

Cover Page

Order ID : P4460

Project ID : Amtrak Sawtooth Bridges 2024

Client : Portal Partners Tri-Venture

Lab Sample Number

P4460-02
P4460-03
P4460-04
P4460-05
P4460-06

Client Sample Number

WB-303-TOP
WB-303-BOT
WB-303-BOT
TB-10182024
WB-303-SW

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

Signature : _____

Date: 10/24/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4460

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SHREENA PATEL

Date: 10/24/2024

LAB CHRONICLE

OrderID:	P4460	OrderDate:	10/18/2024 3:24:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	Location:	K51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4460-02	WB-303-TOP	SOIL	PCB	8082A	10/18/24	10/21/24	10/21/24	10/18/24
P4460-03	WB-303-BOT	SOIL	PCB	8082A	10/18/24	10/21/24	10/21/24	10/18/24
P4460-06	WB-303-SW	WATER	PCB	8082A	10/18/24	10/23/24	10/23/24	10/18/24



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

Hit Summary Sheet
SW-846

SDG No.: P4460

Order ID: P4460

Client: Portal Partners Tri-Venture

Project ID: Amtrak Sawtooth Bridges 2024

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

Client ID :

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: **P4460**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO107183.D	PIBLK-PO107183.D	Tetrachloro-m-xylene	1	20	22.5	112		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.4	117		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.1	110		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.8	114		70 (60)	130 (140)
I.BLK-PO107297.D	PIBLK-PO107297.D	Tetrachloro-m-xylene	1	20	24.1	121		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.0	115		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	24.1	120		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.6	113		70 (60)	130 (140)
PB164287BL	PB164287BL	Tetrachloro-m-xylene	1	20	21.4	107		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	21.7	108		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.4	107		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.9	110		30 (32)	150 (175)
PB164287BS	PB164287BS	Tetrachloro-m-xylene	1	20	21.8	109		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	21.5	107		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.3	106		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	22.9	114		30 (32)	150 (175)
P4455-01MS	SU-4-101824MS	Tetrachloro-m-xylene	1	20	16.1	81		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	16.3	82		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	23.2	116		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	14.3	71		30 (32)	150 (175)
P4455-01MSD	SU-4-101824MSD	Tetrachloro-m-xylene	1	20	18.2	91		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	15.0	75		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	23.4	117		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	13.3	67		30 (32)	150 (175)
I.BLK-PO107312.D	PIBLK-PO107312.D	Tetrachloro-m-xylene	1	20	24.2	121		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	29.0	145	*	70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	24.2	121		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	27.2	136	*	70 (60)	130 (140)
P4460-02	WB-303-TOP	Tetrachloro-m-xylene	1	20	11.7	59		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	10.4	52		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	17.0	85		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	11.3	57		30 (32)	150 (175)
P4460-03	WB-303-BOT	Tetrachloro-m-xylene	1	20	16.4	82		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	14.9	74		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.0	90		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	13.2	66		30 (32)	150 (175)
I.BLK-PO107327.D	PIBLK-PO107327.D	Tetrachloro-m-xylene	1	20	24.4	122		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.9	110		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	24.4	122		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.4	107		70 (60)	130 (140)
I.BLK-PP067586.D	PIBLK-PP067586.D	Tetrachloro-m-xylene	1	20	21.1	105		70 (60)	130 (140)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: **P4460**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP067586.D	PIBLK-PP067586.D	Decachlorobiphenyl	1	20	23.6	118		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.1	110		70 (60)	130 (140)
I.BLK-PP068170.D	PIBLK-PP068170.D	Decachlorobiphenyl	2	20	23.5	117		70 (60)	130 (140)
		Tetrachloro-m-xylene	1	20	20.8	104		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.9	110		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.5	98		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.9	104		70 (60)	130 (140)
PB164342BL	PB164342BL	Tetrachloro-m-xylene	1	20	20.1	101		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	21.6	108		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	19.0	95		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	21.1	105		30 (10)	150 (173)
PB164342BS	PB164342BS	Tetrachloro-m-xylene	1	20	20.8	104		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	21.4	107		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	18.0	90		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	20.9	104		30 (10)	150 (173)
PB164342BSD	PB164342BSD	Tetrachloro-m-xylene	1	20	20.6	103		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	22.2	111		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	18.4	92		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	21.6	108		30 (10)	150 (173)
P4460-06	WB-303-SW	Tetrachloro-m-xylene	1	20	18.5	92		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	20.7	104		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	17.9	89		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	19.9	100		30 (10)	150 (173)
		Tetrachloro-m-xylene	1	20	20.9	105		70 (60)	130 (140)
I.BLK-PP068184.D	PIBLK-PP068184.D	Decachlorobiphenyl	1	20	22.5	112		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.6	98		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.6	108		70 (60)	130 (140)
		Tetrachloro-m-xylene	1	20	20.9	105		70 (60)	130 (140)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

DataFile : PO107305.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Client Sample ID: P4455-01MS	SU-4-101824MS											
	AR1016	182.8	0	158	ug/kg	86				40 (55)	140 (146)	
	AR1260	182.8	0	158	ug/kg	86				40 (45)	140 (144)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

DataFile : PO107306.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	SU-4-101824MSD											
P4455-01MSD	AR1016	183.1	0	171	ug/kg	93		8		40 (55)	140 (146)	30 (20)
	AR1260	183.1	0	160	ug/kg	87		1		40 (45)	140 (144)	30 (20)



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8082A Datafile : PO107300.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB164287BS	AR1016	166.5	154	ug/kg	92				40 (71)	140 (120)	
	AR1260	166.5	160	ug/kg	96				40 (65)	140 (130)	



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8082A Datafile : PP068176.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164342BS	AR1016	5	4.40	ug/L	88				40 (61)	140 (112)	
	AR1260	5	3.90	ug/L	78				40 (66)	140 (113)	



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8082A Datafile : PP068177.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164342BSD	AR1016	5	4.30	ug/L	86	2			40 (61)	140 (112)	20 (20)
	AR1260	5	4.00	ug/L	80	3			40 (66)	140 (113)	20 (20)

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164287BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: P4460

SAS No.: P4460 SDG NO.: P4460

Lab Sample ID: PB164287BL

Lab File ID: PO107299.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/21/2024

Date Analyzed (1): 10/21/2024

Date Analyzed (2): 10/21/2024

Time Analyzed (1): 14:49

Time Analyzed (2): 14:49

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

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

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

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
PB164287BS	PB164287BS	PO107300.D	10/21/2024	10/21/2024
SU-4-101824MS	P4455-01MS	PO107305.D	10/21/2024	10/21/2024
SU-4-101824MSD	P4455-01MSD	PO107306.D	10/21/2024	10/21/2024
WB-303-TOP	P4460-02	PO107315.D	10/21/2024	10/21/2024
WB-303-BOT	P4460-03	PO107316.D	10/21/2024	10/21/2024

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164342BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: P4460

SAS No.: P4460 SDG NO.: P4460

Lab Sample ID: PB164342BL

Lab File ID: PP068175.D

Matrix: (soil/water) WATER

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/23/2024

Date Analyzed (1): 10/23/2024

Date Analyzed (2): 10/23/2024

Time Analyzed (1): 18:22

Time Analyzed (2): 18:22

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164342BS	PB164342BS	PP068176.D	10/23/2024	10/23/2024
PB164342BSD	PB164342BSD	PP068177.D	10/23/2024	10/23/2024
WB-303-SW	P4460-06	PP068179.D	10/23/2024	10/23/2024

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	51.5
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107315.D	1	10/21/24 10:10	10/21/24 20:22	PB164287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	6.60	U	6.60	33.0	ug/kg
11104-28-2	Aroclor-1221	12.4	U	12.4	33.0	ug/kg
11141-16-5	Aroclor-1232	6.60	U	6.60	33.0	ug/kg
53469-21-9	Aroclor-1242	6.60	U	6.60	33.0	ug/kg
12672-29-6	Aroclor-1248	15.3	U	15.3	33.0	ug/kg
11097-69-1	Aroclor-1254	5.30	U	5.30	33.0	ug/kg
37324-23-5	Aroclor-1262	8.90	U	8.90	33.0	ug/kg
11100-14-4	Aroclor-1268	6.70	U	6.70	33.0	ug/kg
11096-82-5	Aroclor-1260	5.60	U	5.60	33.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.0		30 (32) - 150 (144)	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	11.3		30 (32) - 150 (175)	57%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
 Data File : PO107315.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2024 20:22
 Operator : YP/AJ
 Sample : P4460-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 WB-303-TOP

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 07:19:42 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 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...	4.371	3.644	106.8E6	54584324	11.715m	16.960m#
2) SA Decachlor...	10.055	8.636	25512119	30987168	10.399	11.303

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107315.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 20:22
Operator : YP/AJ
Sample : P4460-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

WB-303-TOP

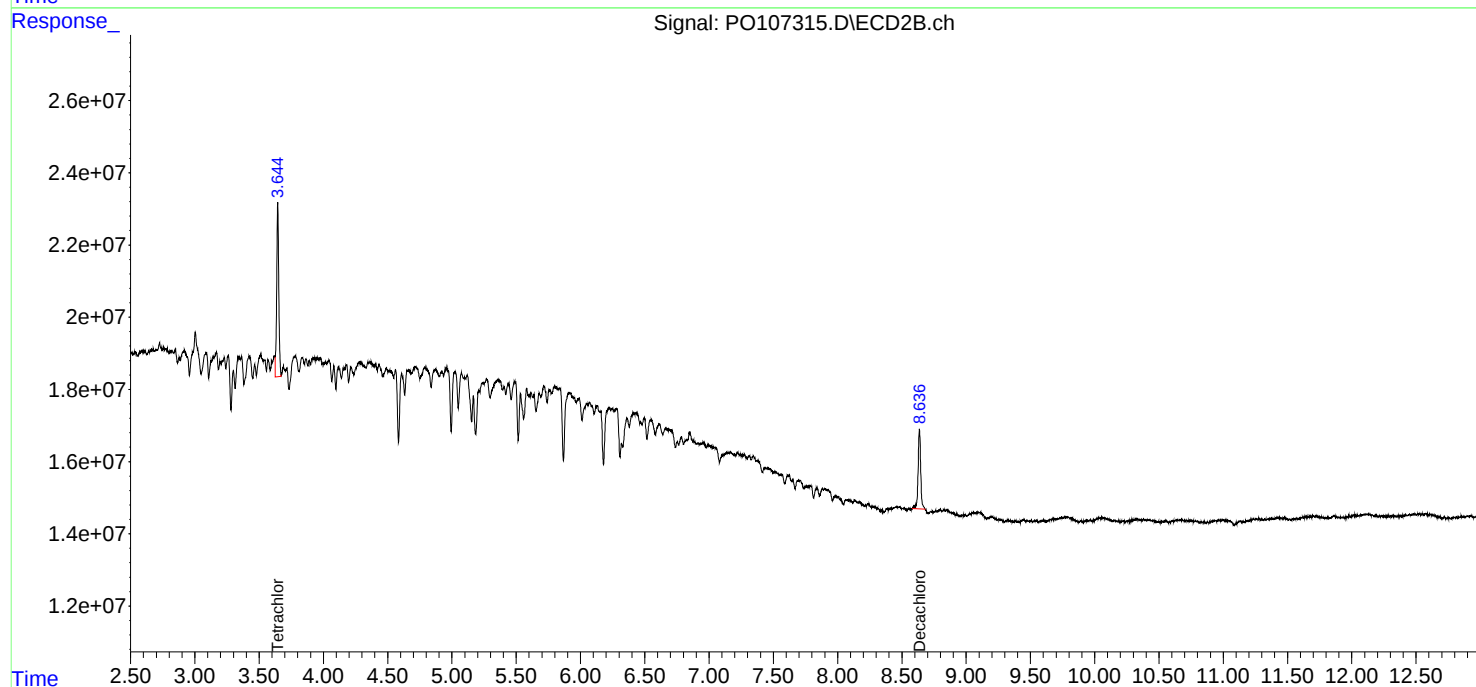
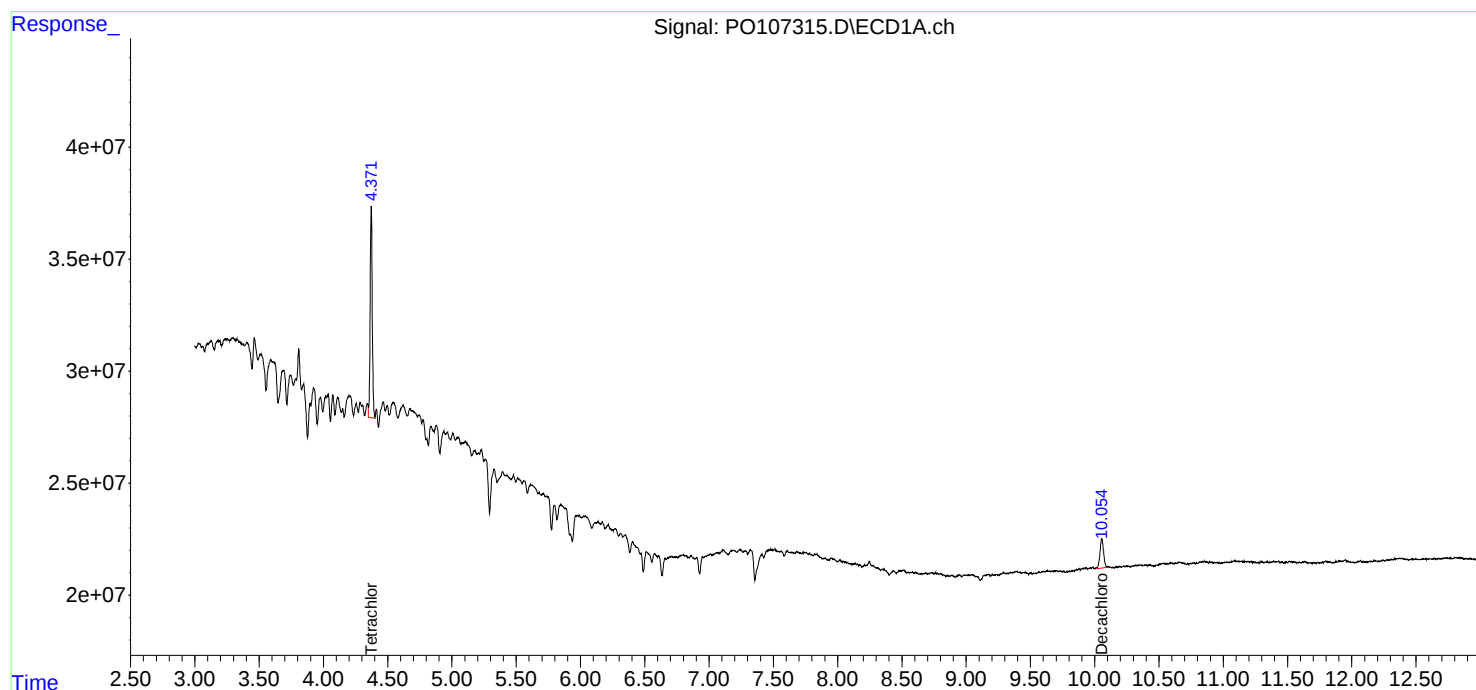
Manual Integrations**APPROVED**

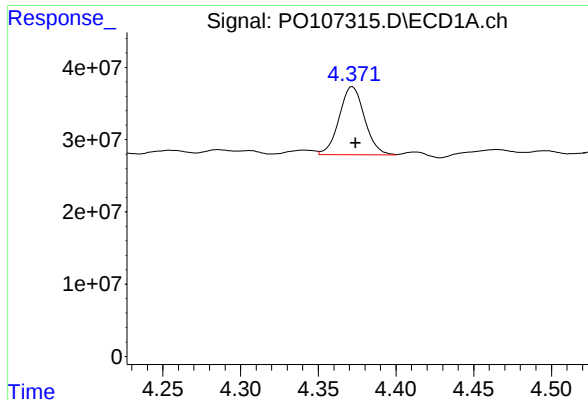
Reviewed By :Yogesh Patel 10/22/2024

Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:19:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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





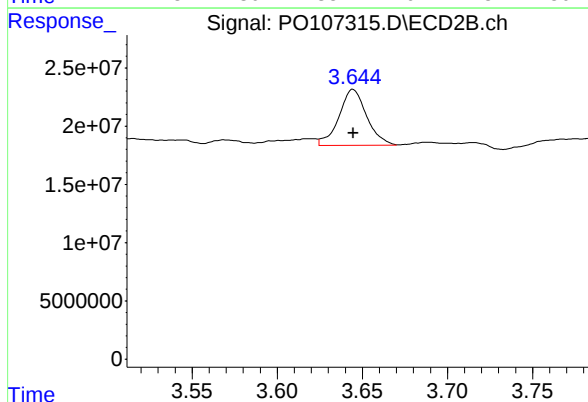
#1 Tetrachloro-m-xylene

R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 106772915
Conc: 11.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
WB-303-TOP

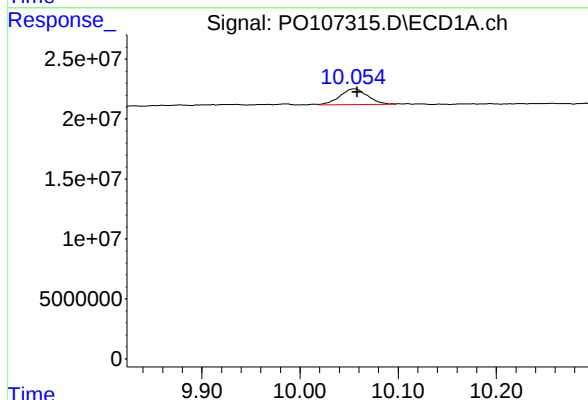
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



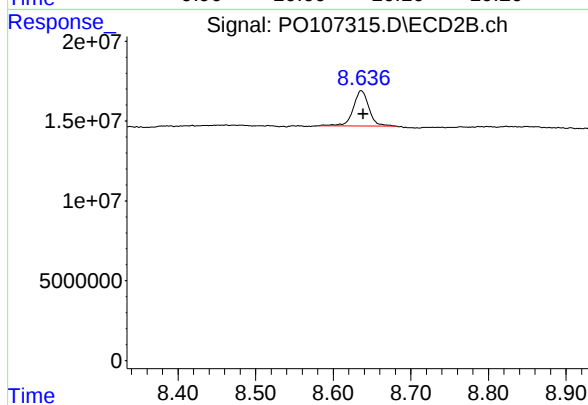
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 54584324
Conc: 16.96 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.055 min
Delta R.T.: -0.003 min
Response: 25512119
Conc: 10.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.636 min
Delta R.T.: -0.003 min
Response: 30987168
Conc: 11.30 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	80.1
Sample Wt/Vol:	30.04	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
PO107316.D	1	10/21/24 10:10	10/21/24 20:40	PB164287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	21.2	ug/kg
11104-28-2	Aroclor-1221	8.00	U	8.00	21.2	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	21.2	ug/kg
53469-21-9	Aroclor-1242	4.20	U	4.20	21.2	ug/kg
12672-29-6	Aroclor-1248	9.80	U	9.80	21.2	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	21.2	ug/kg
37324-23-5	Aroclor-1262	5.70	U	5.70	21.2	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	21.2	ug/kg
11096-82-5	Aroclor-1260	3.60	U	3.60	21.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.0		30 (32) - 150 (144)	90%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.9		30 (32) - 150 (175)	74%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
 Data File : PO107316.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2024 20:40
 Operator : YP/AJ
 Sample : P4460-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 WB-303-BOT

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 07:20:16 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 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...	4.372	3.644	149.5E6	57839912	16.402	17.971
2) SA Decachlor...	10.055	8.636	36482689	36272631	14.870	13.230

Target Compounds

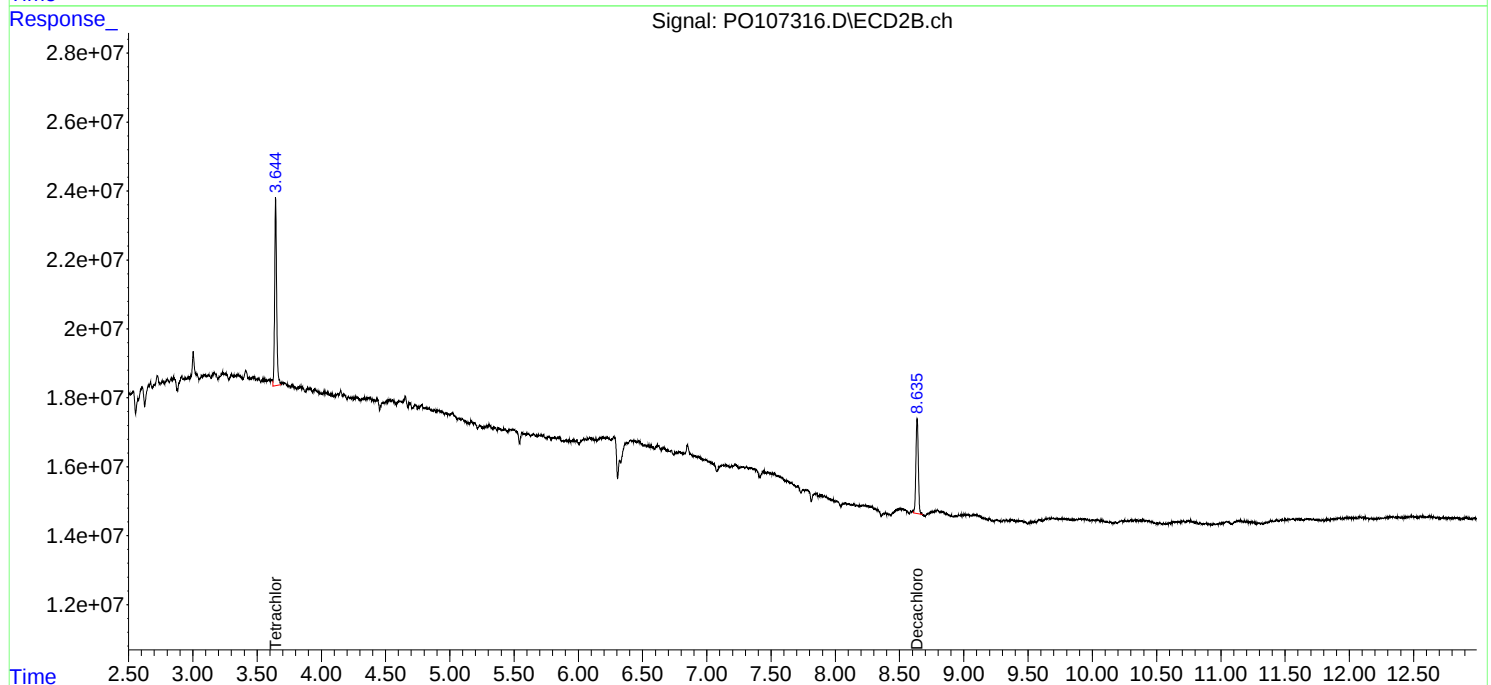
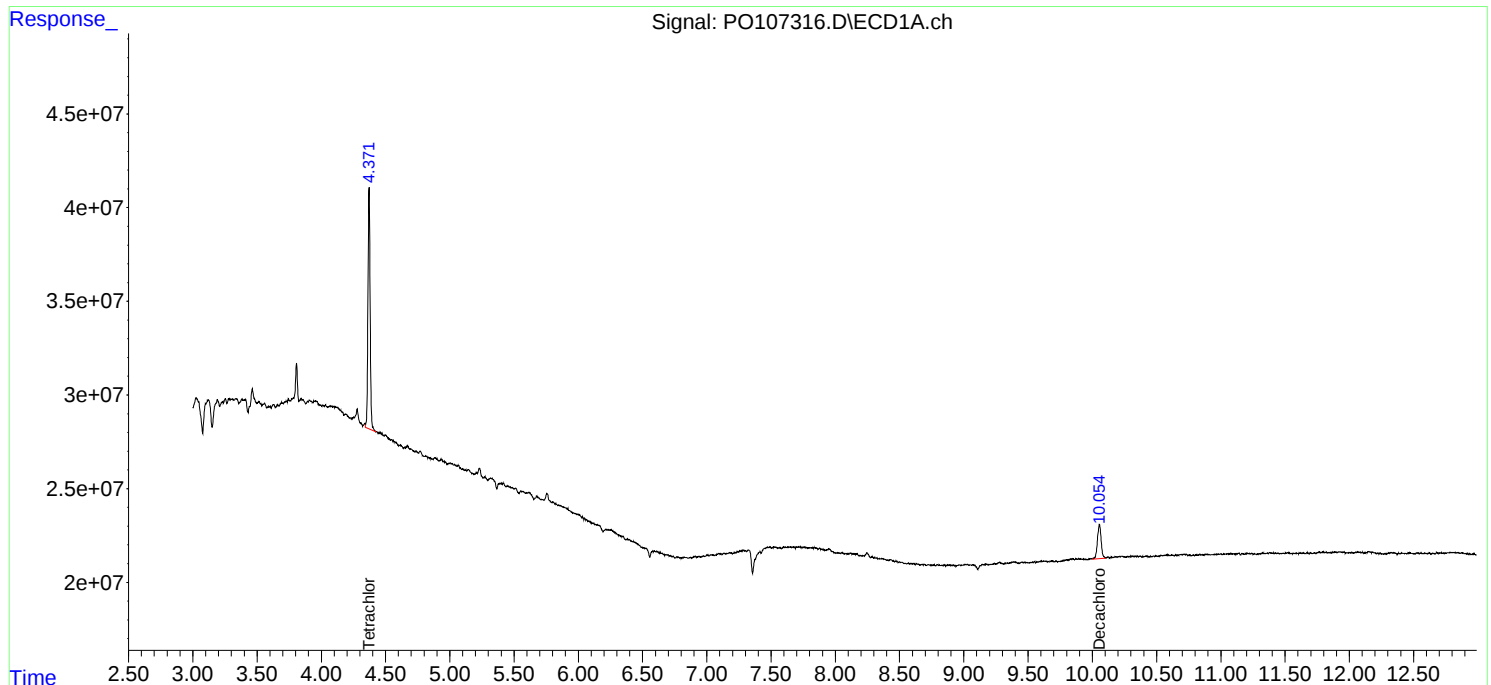
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

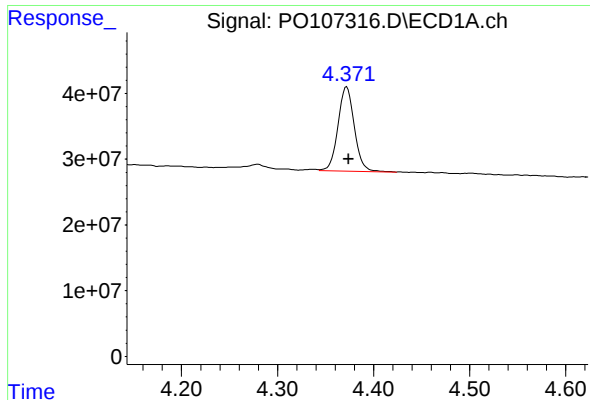
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107316.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 20:40
Operator : YP/AJ
Sample : P4460-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
WB-303-BOT

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:20:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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

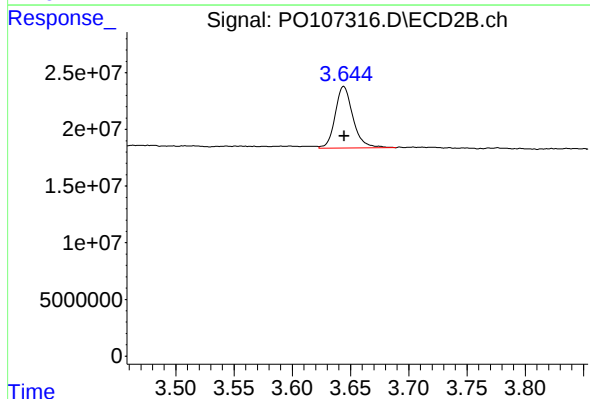




#1 Tetrachloro-m-xylene

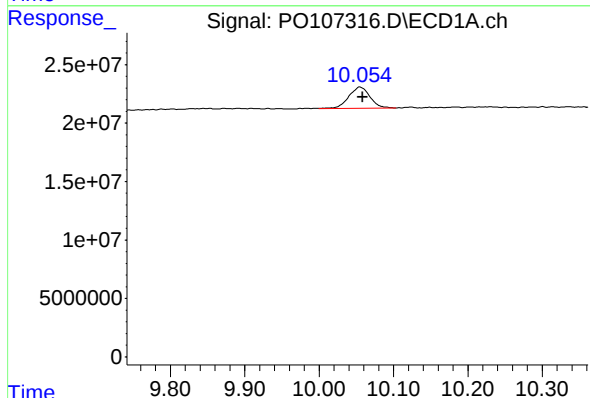
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 149483786
Conc: 16.40 ng/ml

Instrument :
ECD_O
ClientSampleId :
WB-303-BOT



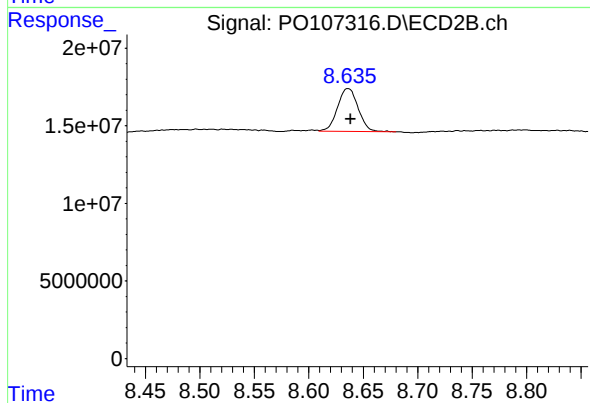
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 57839912
Conc: 17.97 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.055 min
Delta R.T.: -0.003 min
Response: 36482689
Conc: 14.87 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.636 min
Delta R.T.: -0.003 min
Response: 36272631
Conc: 13.23 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	490	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068179.D	1	10/23/24 08:53	10/23/24 19:26	PB164342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.51	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.51	ug/L
11141-16-5	Aroclor-1232	0.38	U	0.38	0.51	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.51	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.51	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.51	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.51	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.51	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.51	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.5		30 (10) - 150 (157)	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.7		30 (10) - 150 (173)	104%	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\PP102324\
 Data File : PP068179.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2024 19:26
 Operator : YP\AJ
 Sample : P4460-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 WB-303-SW

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 21:51:51 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	17102574	18034597	18.476	17.849
2) SA Decachlor...	10.673	9.212	23866345	22331996	20.730	19.913

Target Compounds

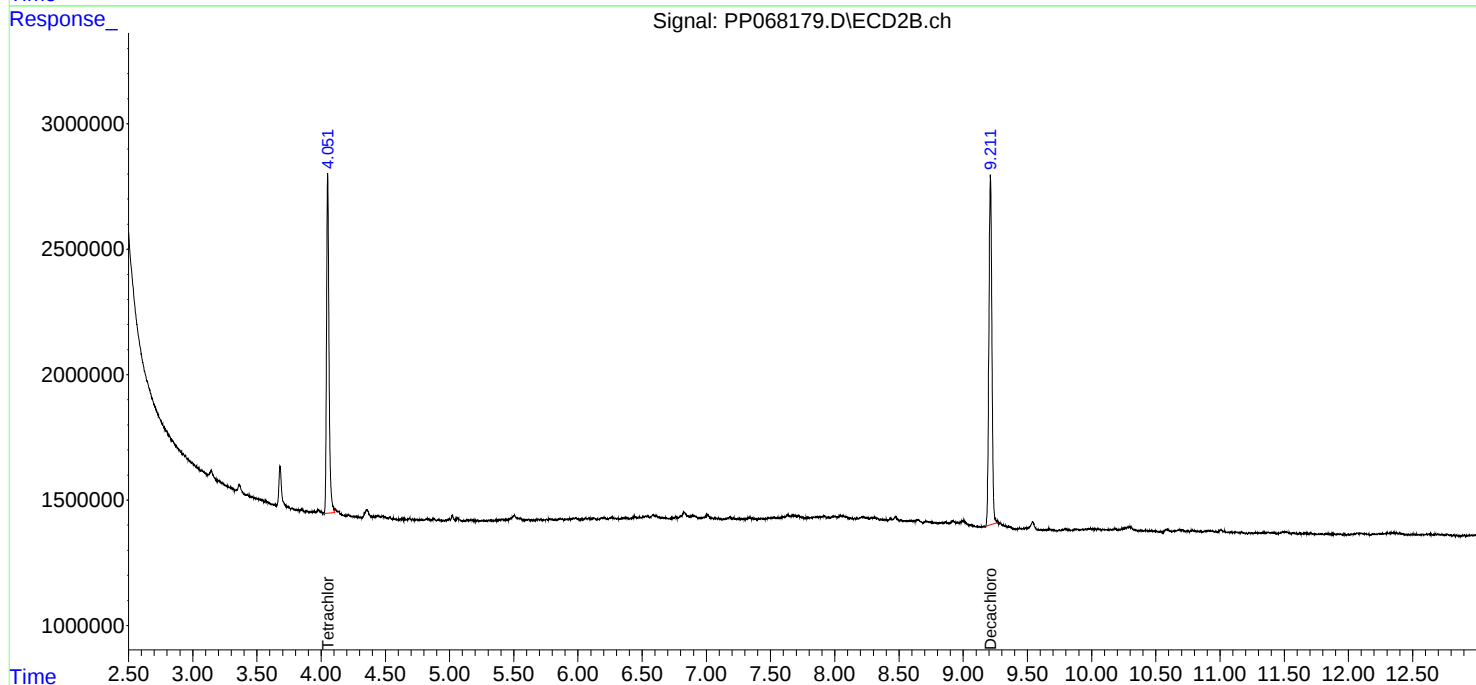
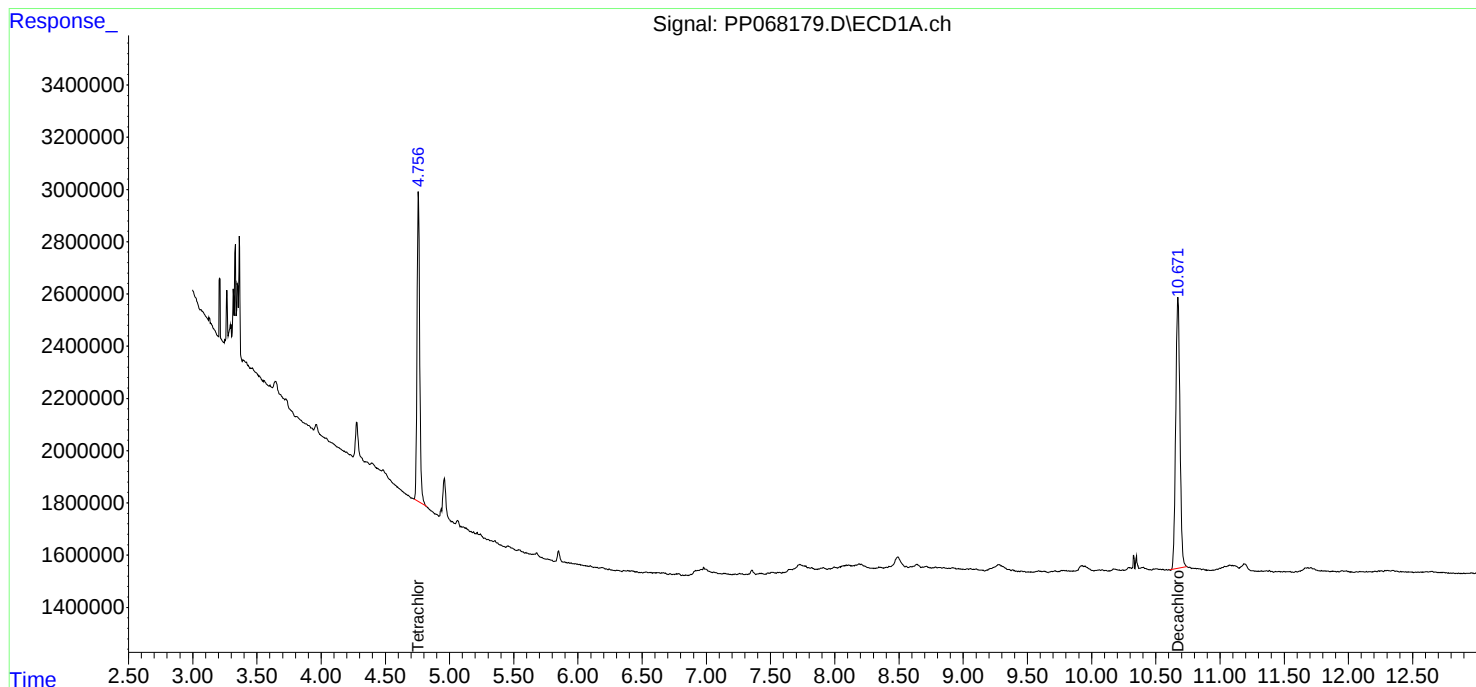
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

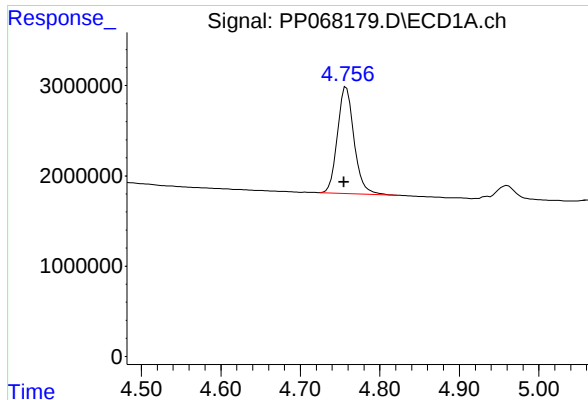
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
Data File : PP068179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 19:26
Operator : YP\AJ
Sample : P4460-06
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
WB-303-SW

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 21:51:51 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

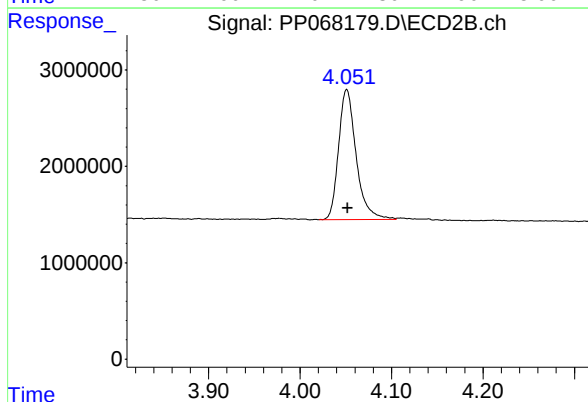




#1 Tetrachloro-m-xylene

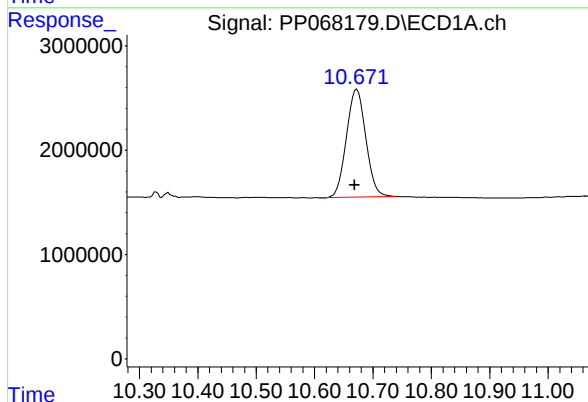
R.T.: 4.758 min
Delta R.T.: 0.003 min
Response: 17102574
Conc: 18.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
WB-303-SW



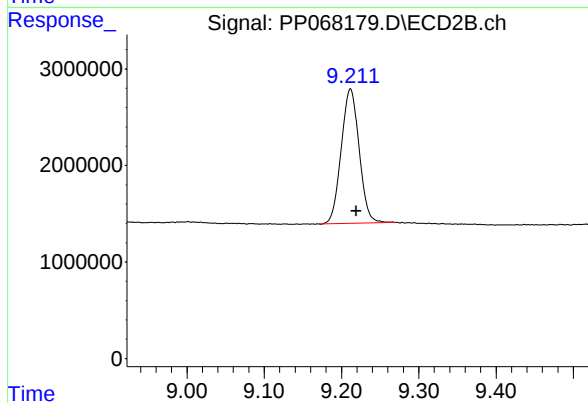
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 18034597
Conc: 17.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.673 min
Delta R.T.: 0.004 min
Response: 23866345
Conc: 20.73 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.212 min
Delta R.T.: -0.007 min
Response: 22331996
Conc: 19.91 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract:	<u>PORT06</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>P4460</u>	SAS No.:	<u>P4460</u>	SDG NO.:	<u>P4460</u>
Instrument ID:	<u>ECD_O</u>	Calibration Date(s):		<u>10/15/2024</u>	<u>10/16/2024</u>		
		Calibration Times:		<u>18:27</u>	<u>02:36</u>		

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

LAB FILE ID:	RT 1000 =	<u>PO107184.D</u>	RT 750 =	<u>PO107185.D</u>
	RT 500 =	PO107186.D	RT 250 =	PO107187.D
			RT 050 =	PO107188.D

[illegible]

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Contract:	<u>PORT06</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>P4460</u>	SAS No.:	<u>P4460</u>	SDG NO.:	<u>P4460</u>
Instrument ID:	<u>ECD_O</u>	Calibration Date(s):		<u>10/15/2024</u>	<u>10/16/2024</u>		
		Calibration Times:		<u>18:27</u>	<u>02:36</u>		

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

LAB FILE ID:	RT 1000 =	<u>PO107184.D</u>	RT 750 =	<u>PO107185.D</u>
	RT 500 =	PO107186.D	RT 250 =	PO107187.D
			RT 050 =	PO107188.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene	3.65	3.64	3.65	3.64	3.65	3.65	3.55	3.75

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06
Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460
Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024
Calibration Times: 18:27 02:36

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

LAB FILE ID:		CF 1000 = <u>PO107184.D</u>		CF 750 = <u>PO107185.D</u>			
CF 500 = <u>PO107186.D</u>		CF 250 = <u>PO107187.D</u>		CF 050 = <u>PO107188.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	252081604	261702867	271939076	291118488	272229420	269814291 5
Aroclor-1016-2	(2)	373760062	383028583	397887352	419075308	410673320	396884925 5
Aroclor-1016-3	(3)	234678633	244145249	256575754	276405664	244042480	251169556 6
Aroclor-1016-4	(4)	185622493	193848624	202963902	215081552	165543020	192611918 10
Aroclor-1016-5	(5)	176326470	182141932	191487930	203514892	159796500	182653545 9
Aroclor-1260-1	(1)	238480871	246497651	259155974	277220676	271587560	258588546 6
Aroclor-1260-2	(2)	243402558	251747185	264083512	284216460	272650860	263220115 6
Aroclor-1260-3	(3)	167353086	171560129	181491762	195138068	183182660	179745141 6
Aroclor-1260-4	(4)	162125557	166999933	175289716	187582032	185522120	175503872 6
Aroclor-1260-5	(5)	268686175	273623828	283035894	299271412	297351500	284393762 5
Decachlorobiphenyl		2362750210	2427138920	2496479000	2603827440	2376686800	2453376474 4
Tetrachloro-m-xylene		8902656430	9087809293	9285762860	9548006280	8745262400	9113899453 3
Aroclor-1242-1	(1)	207947063	205572916	222208808	238956456	243522880	223641625 8
Aroclor-1242-2	(2)	302439626	299949616	323550412	342804408	348858880	323520588 7
Aroclor-1242-3	(3)	191912697	193178427	209638152	224306728	225847640	208976729 8
Aroclor-1242-4	(4)	150447174	145338196	162797508	173135964	168308740	160005516 7
Aroclor-1242-5	(5)	141009343	143408436	153689098	164623016	179679780	156481935 10
Decachlorobiphenyl		2339420350	2427742867	2492700840	2551827400	2426410200	2447620331 3
Tetrachloro-m-xylene		8860043620	8651743680	9146784160	9504075440	9174828800	9067495140 4
Aroclor-1248-1	(1)	155913014	164800668	175191332	184609772	188867720	173876501 8
Aroclor-1248-2	(2)	222845576	238202488	253637968	270074056	280366620	253025342 9
Aroclor-1248-3	(3)	231904923	246233752	259706092	274388212	266197800	255686156 7
Aroclor-1248-4	(4)	237210289	246633865	260533272	272872732	271860120	257822056 6
Aroclor-1248-5	(5)	236273499	246591072	260733536	276314120	280304600	260043365 7
Decachlorobiphenyl		2339780580	2371533013	2504089680	2566158680	2396701200	2435652631 4
Tetrachloro-m-xylene		8719403610	9119992693	9358904180	9492784200	8995773400	9137371617 3
Aroclor-1254-1	(1)	246822697	256579683	264992242	286189960	289157060	268748328 7
Aroclor-1254-2	(2)	348120894	361641555	373031238	401237980	402995760	377405485 6
Aroclor-1254-3	(3)	336293322	345653409	355909306	378498460	372630440	357796987 5
Aroclor-1254-4	(4)	213138598	220171503	227187688	242530220	244046960	229414994 6
Aroclor-1254-5	(5)	194609638	201069208	205869028	220139672	216546640	207646837 5
Decachlorobiphenyl		2357746210	2401897693	2508594000	2601578200	2359367400	2445836701 4
Tetrachloro-m-xylene		8883763230	9164627320	9184369060	9508828480	8791509400	9106619498 3
Aroclor-1268-1	(1)	351862425	352413819	364622844	381760528	369380480	364008019 3



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	313096403	314491445	324862806	339637696	320299560	322477582	3
Aroclor-1268-3	(3)	272236453	272760276	282620036	293538700	275661940	279363481	3
Aroclor-1268-4	(4)	112236308	111261111	114714594	116428084	101458340	111219687	5
Aroclor-1268-5	(5)	836674479	833098204	847063314	864357444	781067560	832452200	4
Decachlorobiphenyl		4074190590	4136234160	4241958160	4399826360	4004084600	4171258774	4
Tetrachloro-m-xylene		9139601460	8935957933	9311606620	9495189880	8951901000	9166851379	3

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06
Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460
Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024
Calibration Times: 18:27 02:36

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

LAB FILE ID:		CF 1000 = <u>PO107184.D</u>		CF 750 = <u>PO107185.D</u>				
CF 500 = <u>PO107186.D</u>		CF 250 = <u>PO107187.D</u>		CF 050 = <u>PO107188.D</u>				
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	98519363	99934743	102532802	106601384	108740020	103265662	4
Aroclor-1016-2	(2)	140533795	142751421	144315942	146877552	130360060	140967754	5
Aroclor-1016-3	(3)	75819146	77111448	78799028	81783348	80215260	78745646	3
Aroclor-1016-4	(4)	61532960	63413097	65607722	69564368	70423600	66108349	6
Aroclor-1016-5	(5)	78878086	80970861	83522668	86940988	80356660	82133853	4
Aroclor-1260-1	(1)	150450531	152030172	155131756	161942364	156218200	155154605	3
Aroclor-1260-2	(2)	173752920	181526657	184104290	189736236	151457920	176115605	8
Aroclor-1260-3	(3)	168454604	170292340	172108108	175991544	151894120	167748143	6
Aroclor-1260-4	(4)	143637024	144895129	147115166	150514212	137242140	144680734	3
Aroclor-1260-5	(5)	340738400	339782780	336796716	340391952	289493480	329440666	7
Decachlorobiphenyl		2730622670	2745732653	2784792900	2852828640	2594005000	2741596373	3
Tetrachloro-m-xylene		3312014480	3338472613	3349065240	3230716080	2862214000	3218496483	6
Aroclor-1242-1	(1)	80390662	80447493	83937762	87266896	86674240	83743411	4
Aroclor-1242-2	(2)	114487494	111266404	117741916	120667112	114031640	115638913	3
Aroclor-1242-3	(3)	61817452	60461905	64396992	66865868	63624080	63433259	4
Aroclor-1242-4	(4)	60582529	60636219	64384594	68045260	66598220	64049364	5
Aroclor-1242-5	(5)	73763103	75675432	77215916	80736528	80226620	77523520	4
Decachlorobiphenyl		2686985320	2764418280	2764436780	2798541920	2665265400	2735929540	2
Tetrachloro-m-xylene		3315724680	3241948653	3341198040	3335574400	2920075400	3230904235	6
Aroclor-1248-1	(1)	60218805	63038185	64879120	66667236	62402400	63441149	4
Aroclor-1248-2	(2)	85173308	89108361	93061950	96541480	93540340	91485088	5
Aroclor-1248-3	(3)	89257070	93226611	97377878	100891904	96212540	95393201	5
Aroclor-1248-4	(4)	105934439	110533117	114760412	117772688	111691080	112138347	4
Aroclor-1248-5	(5)	102828085	105359652	109801380	114217964	119140640	110269544	6
Decachlorobiphenyl		2669365810	2682497173	2791873700	2836714480	2679938000	2732077833	3
Tetrachloro-m-xylene		3278417600	3389239440	3425836480	3362184040	2965722400	3284279992	6
Aroclor-1254-1	(1)	159855276	163854537	165548332	171717704	162964860	164788142	3
Aroclor-1254-2	(2)	138468840	142269335	144546922	151325972	148203140	144962842	3
Aroclor-1254-3	(3)	227061110	231385951	232213406	238575248	218867080	229620559	3
Aroclor-1254-4	(4)	128242906	130249965	131325350	135207044	122091880	129423429	4
Aroclor-1254-5	(5)	191904554	195153152	195378104	201188864	171636600	191052255	6
Decachlorobiphenyl		2726927150	2738190720	2773447120	2836815760	2598739800	2734824110	3
Tetrachloro-m-xylene		3347799560	3397335627	3354246660	3362236280	2930639600	3278451545	6
Aroclor-1268-1	(1)	419191400	409991492	413863584	410849472	368955300	404570250	5



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	389672996	380096764	383518208	378699872	334345600	373266688	6
Aroclor-1268-3	(3)	345284332	337828173	339535756	338755760	307004380	333681680	5
Aroclor-1268-4	(4)	129107993	127445005	127285362	129260796	113749480	125369727	5
Aroclor-1268-5	(5)	1049237500	1019311260	1017080130	996315476	856840280	987756929	8
Decachlorobiphenyl		4873889790	4739451973	4823511780	4890043960	4430545400	4751488581	4
Tetrachloro-m-xylene		3440286630	3329771373	3416104800	3331345720	2963806400	3296262985	6



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Instrument ID: ECD_O Date(s) Analyzed: 10/15/2024 10/16/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.57	4.47	4.67	110010000
		2	4.66	4.56	4.76	78836600
		3	4.73	4.63	4.83	234100000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.73	4.63	4.83	195844000
		2	5.26	5.16	5.36	103025000
		3	5.54	5.44	5.64	179001000
		4	5.70	5.60	5.80	90165400
		5	5.80	5.70	5.90	65903200
Aroclor-1262	500	1	7.74	7.64	7.84	245548000
		2	8.28	8.18	8.38	309420000
		3	8.59	8.49	8.69	209196000
		4	8.68	8.58	8.78	163066000
		5	9.32	9.22	9.42	102764000



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Instrument ID: ECD_O Date(s) Analyzed: 10/15/2024 10/16/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.86	3.76	3.96	34895600
		2	3.94	3.84	4.04	26624800
		3	4.02	3.92	4.12	81218600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.02	3.92	4.12	67327000
		2	4.75	4.65	4.85	63205200
		3	4.92	4.82	5.02	34475000
		4	5.00	4.90	5.10	31466000
		5	5.18	5.08	5.28	33083400
Aroclor-1262	500	1	6.76	6.66	6.86	212876000
		2	7.26	7.16	7.36	363332000
		3	7.54	7.44	7.64	137384000
		4	7.61	7.51	7.71	264574000
		5	8.10	8.00	8.20	112833000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107184.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 18:27
 Operator : YP/AJ
 Sample : AR1660ICC1000
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 01:24:11 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:21:45 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...	4.372	3.644	890.3E6	331.2E6	95.874	98.894
2) SA Decachlor...	10.059	8.639	236.3E6	273.1E6	94.643	98.055
Target Compounds						
3) L1 AR-1016-1	5.521	4.726	252.1E6	98519363	926.978	960.857
4) L1 AR-1016-2	5.544	4.745	373.8E6	140.5E6	939.362	973.793
5) L1 AR-1016-3	5.606	4.921	234.7E6	75819146	914.656	962.184
6) L1 AR-1016-4	5.703	4.962	185.6E6	61532960	914.559	937.892
7) L1 AR-1016-5	5.998	5.175	176.3E6	78878086	920.823	944.391
31) L7 AR-1260-1	7.124	6.207	238.5E6	150.5E6	920.221	969.824
32) L7 AR-1260-2	7.381	6.393	243.4E6	173.8E6	921.688	943.774
33) L7 AR-1260-3	7.743	6.547	167.4E6	168.5E6	922.097	978.772
34) L7 AR-1260-4	7.967	7.018	162.1E6	143.6E6	924.901	976.358
35) L7 AR-1260-5	8.281	7.258	268.7E6	340.7E6	949.301	1011.703

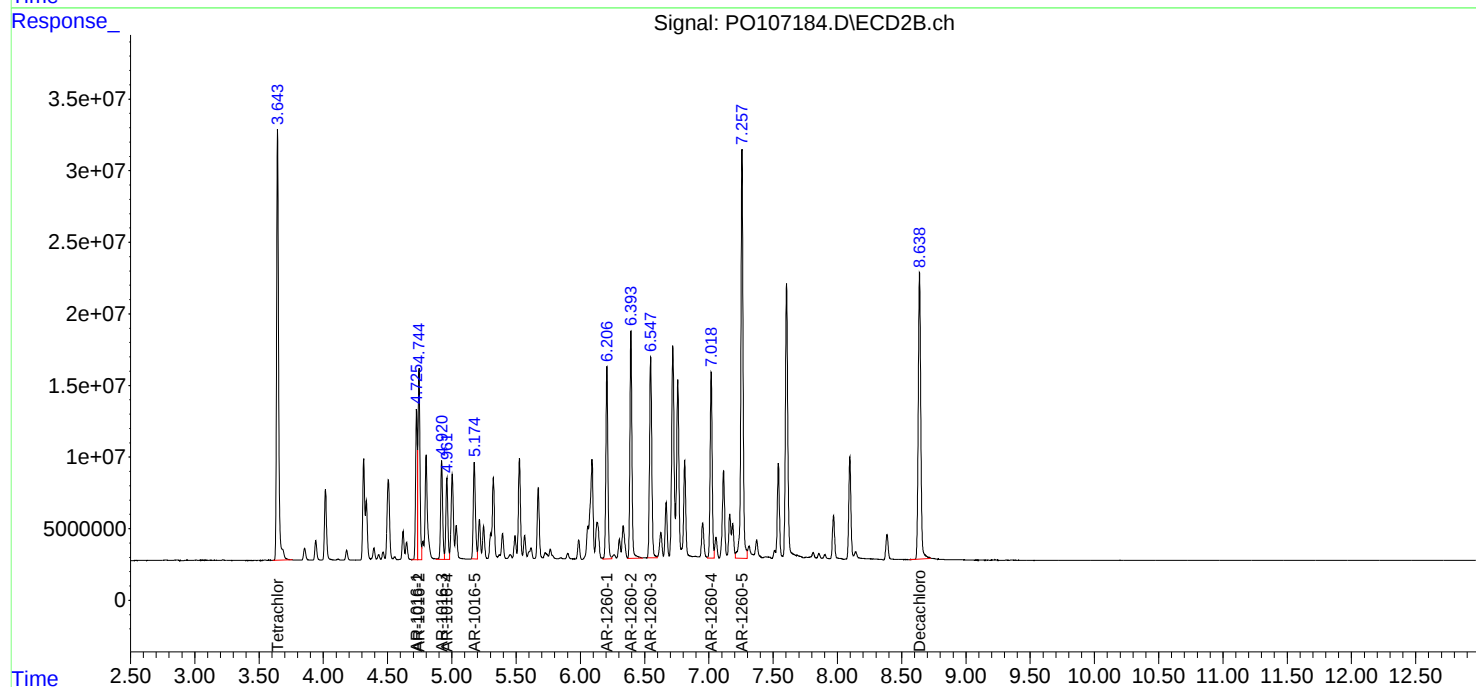
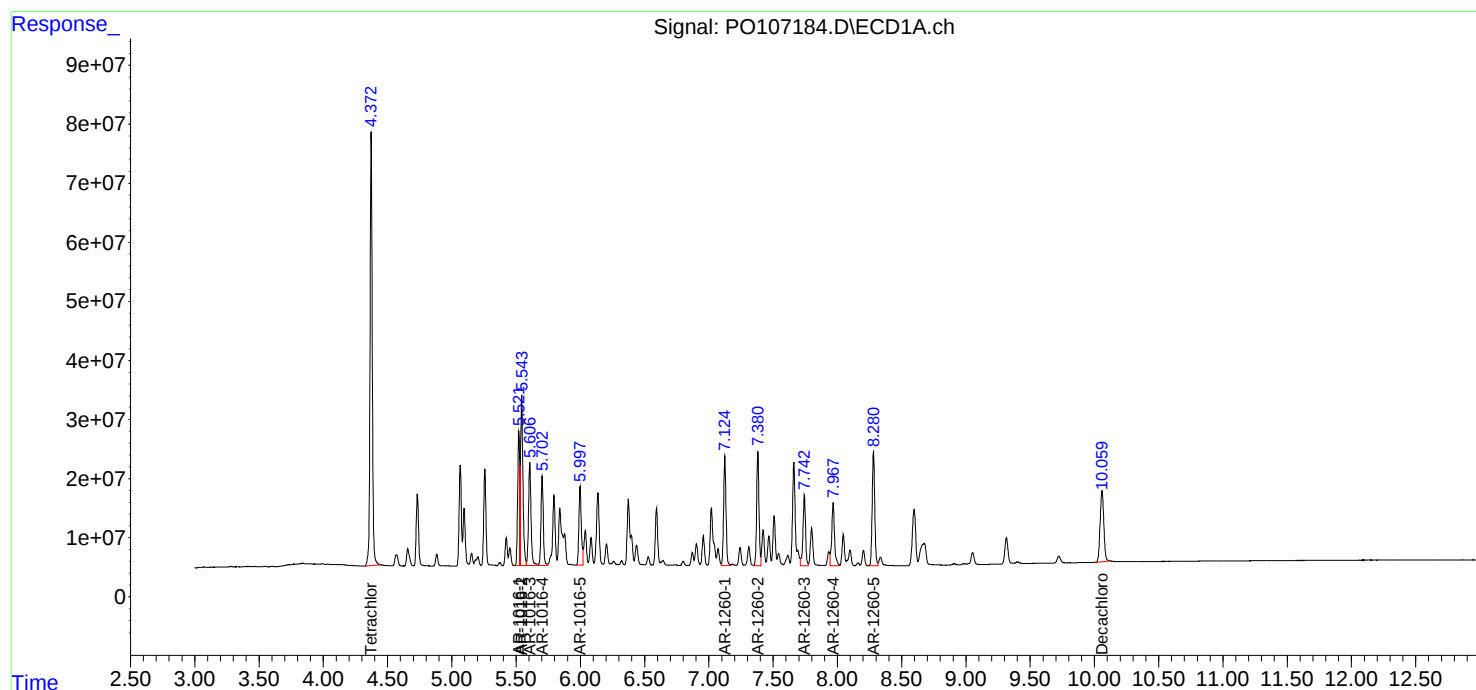
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:27
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:24:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 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_O\Data\P0101524\
 Data File : P0107185.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 18:45
 Operator : YP/AJ
 Sample : AR1660ICC750
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 01:24:41 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:21:45 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...	4.374	3.644	681.6E6	250.4E6	73.401	74.763
2) SA Decachlor...	10.059	8.639	182.0E6	205.9E6	72.917	73.948
Target Compounds						
3) L1 AR-1016-1	5.523	4.726	196.3E6	74951057	721.769	730.996
4) L1 AR-1016-2	5.545	4.745	287.3E6	107.1E6	721.992	741.869
5) L1 AR-1016-3	5.607	4.921	183.1E6	57833586	713.664	733.938
6) L1 AR-1016-4	5.704	4.962	145.4E6	47559823	716.317	724.912
7) L1 AR-1016-5	5.999	5.176	136.6E6	60728146	713.395	727.086
31) L7 AR-1260-1	7.125	6.207	184.9E6	114.0E6	713.367	735.005
32) L7 AR-1260-2	7.382	6.394	188.8E6	136.1E6	714.965	739.499
33) L7 AR-1260-3	7.743	6.548	128.7E6	127.7E6	708.958	742.087
34) L7 AR-1260-4	7.968	7.018	125.2E6	108.7E6	714.531	738.682
35) L7 AR-1260-5	8.281	7.258	205.2E6	254.8E6	725.060	756.650

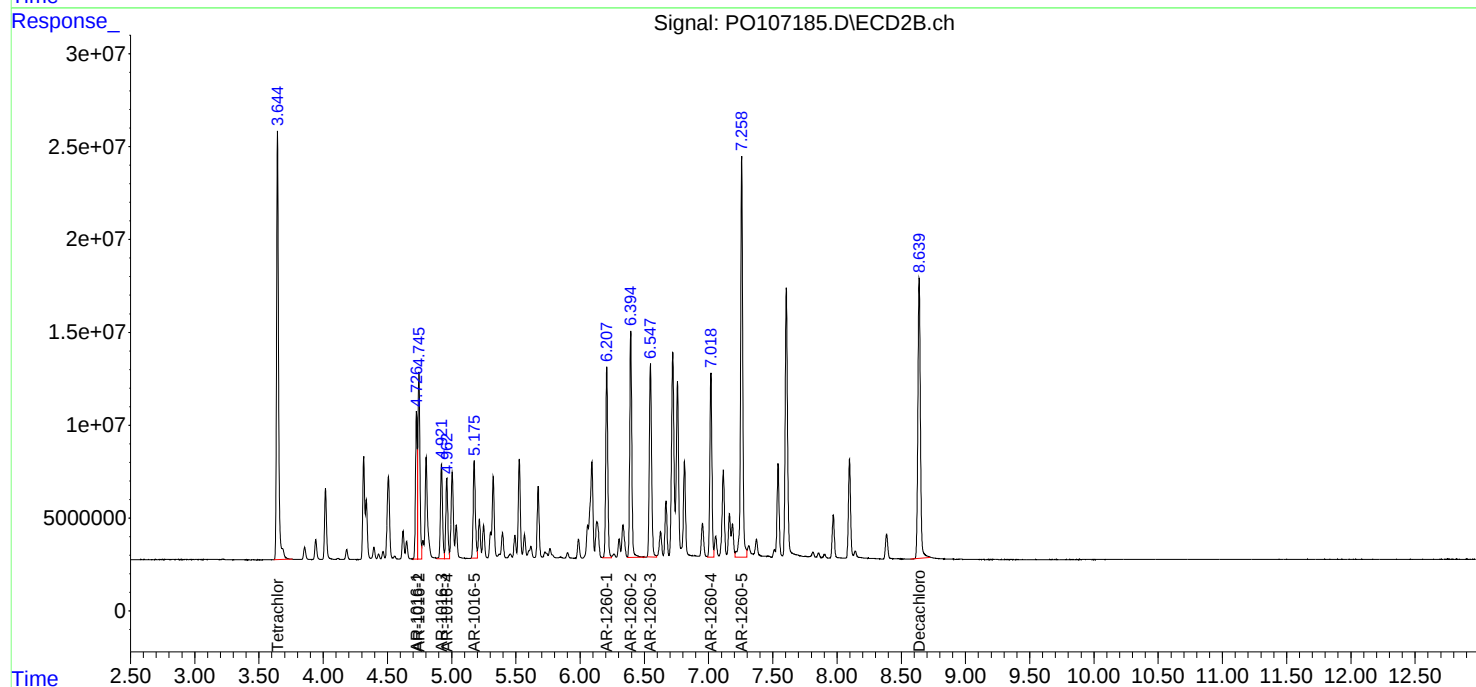
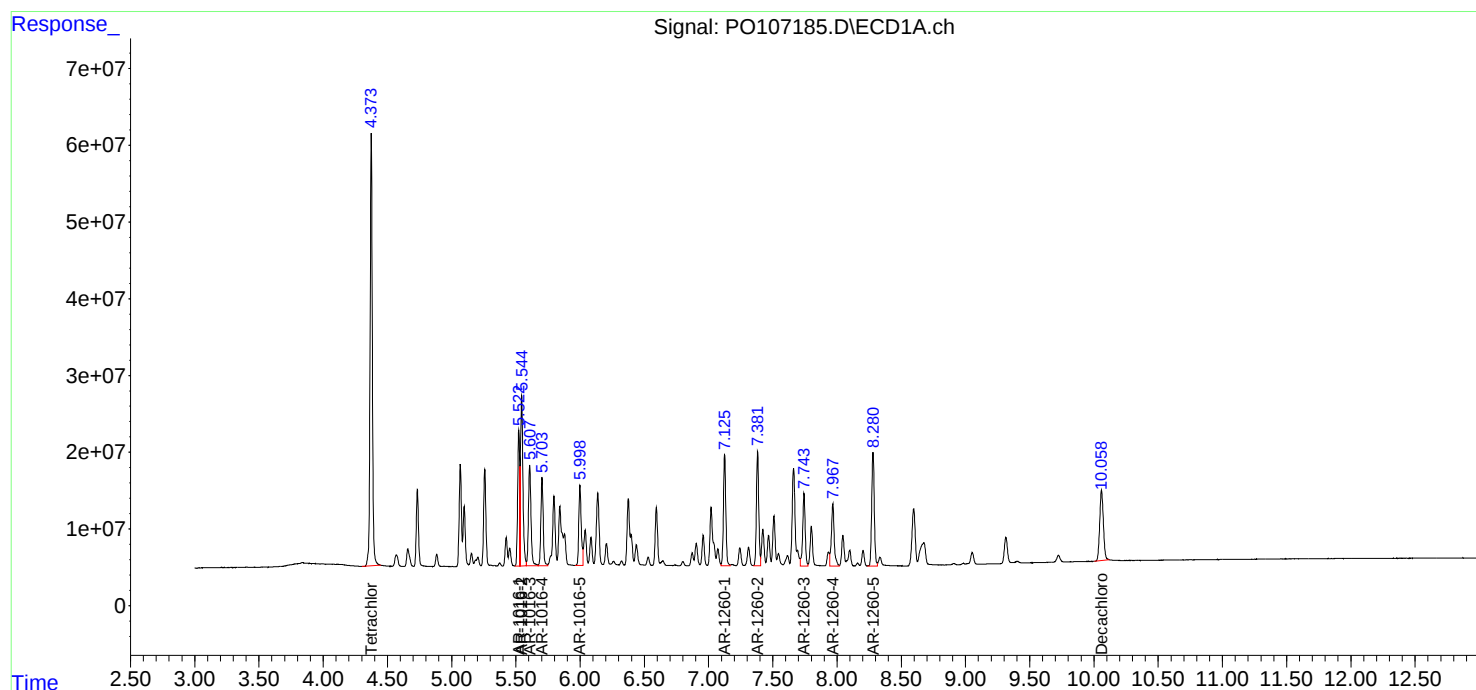
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:45
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:24:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 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_O\Data\P0101524\
 Data File : P0107186.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 19:03
 Operator : YP/AJ
 Sample : AR1660ICC500
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 01:25:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:21:45 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...	4.374	3.645	464.3E6	167.5E6	50.000	50.000
2) SA Decachlor...	10.058	8.639	124.8E6	139.2E6	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	5.523	4.726	136.0E6	51266401	500.000	500.000
4) L1 AR-1016-2	5.545	4.745	198.9E6	72157971	500.000	500.000
5) L1 AR-1016-3	5.607	4.921	128.3E6	39399514	500.000	500.000
6) L1 AR-1016-4	5.704	4.962	101.5E6	32803861	500.000	500.000
7) L1 AR-1016-5	5.999	5.176	95743965	41761334	500.000	500.000
31) L7 AR-1260-1	7.126	6.207	129.6E6	77565878	500.000	500.000
32) L7 AR-1260-2	7.382	6.394	132.0E6	92052145	500.000	500.000
33) L7 AR-1260-3	7.743	6.548	90745881	86054054	500.000	500.000
34) L7 AR-1260-4	7.968	7.018	87644858	73557583	500.000	500.000
35) L7 AR-1260-5	8.281	7.259	141.5E6	168.4E6	500.000	500.000

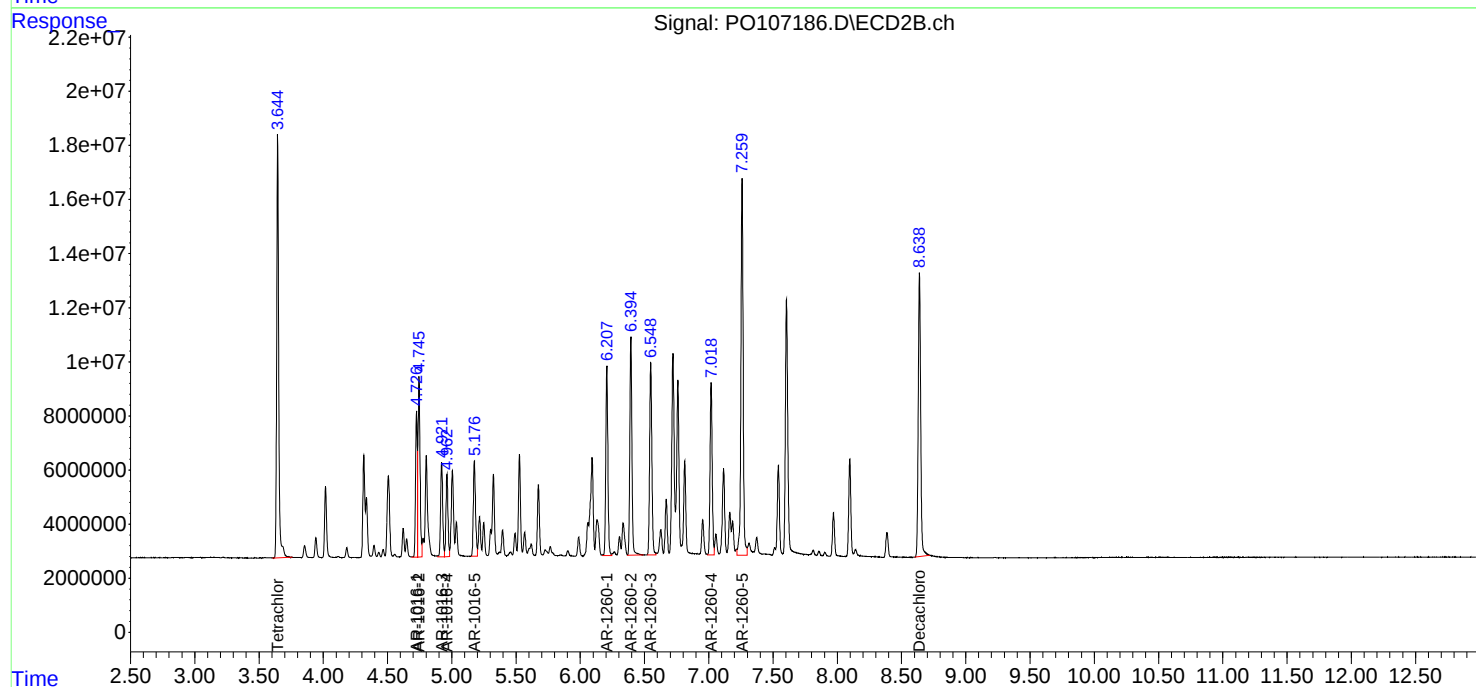
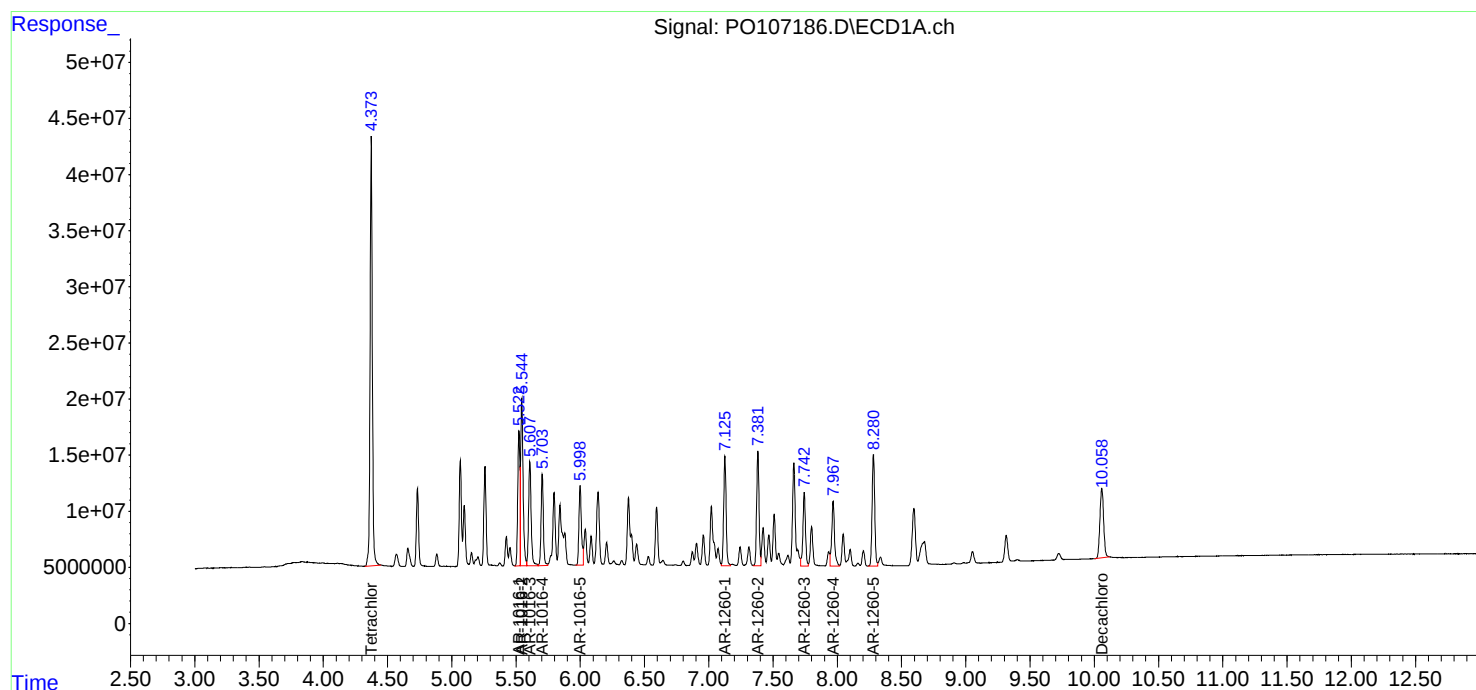
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:03
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:25:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 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_O\Data\P0101524\
 Data File : P0107187.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 19:21
 Operator : YP/AJ
 Sample : AR1660ICC250
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 01:25:35 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:21:45 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...	4.373	3.644	238.7E6	80767902	25.706	24.117
2) SA Decachlor...	10.059	8.640	65095686	71320716	26.075	25.611
Target Compounds						
3) L1 AR-1016-1	5.522	4.727	72779622	26650346	267.632	259.920
4) L1 AR-1016-2	5.544	4.746	104.8E6	36719388	263.313	254.438
5) L1 AR-1016-3	5.606	4.921	69101416	20445837	269.322	259.468
6) L1 AR-1016-4	5.704	4.962	53770388	17391092	264.926	265.077
7) L1 AR-1016-5	5.998	5.176	50878723	21735247	265.702	260.232
31) L7 AR-1260-1	7.124	6.207	69305169	40485591	267.426	260.976
32) L7 AR-1260-2	7.381	6.394	71054115	47434059	269.059	257.648
33) L7 AR-1260-3	7.743	6.548	48784517	43997886	268.797	255.641
34) L7 AR-1260-4	7.966	7.018	46895508	37628553	267.531	255.776
35) L7 AR-1260-5	8.281	7.259	74817853	85097988	264.341	252.669

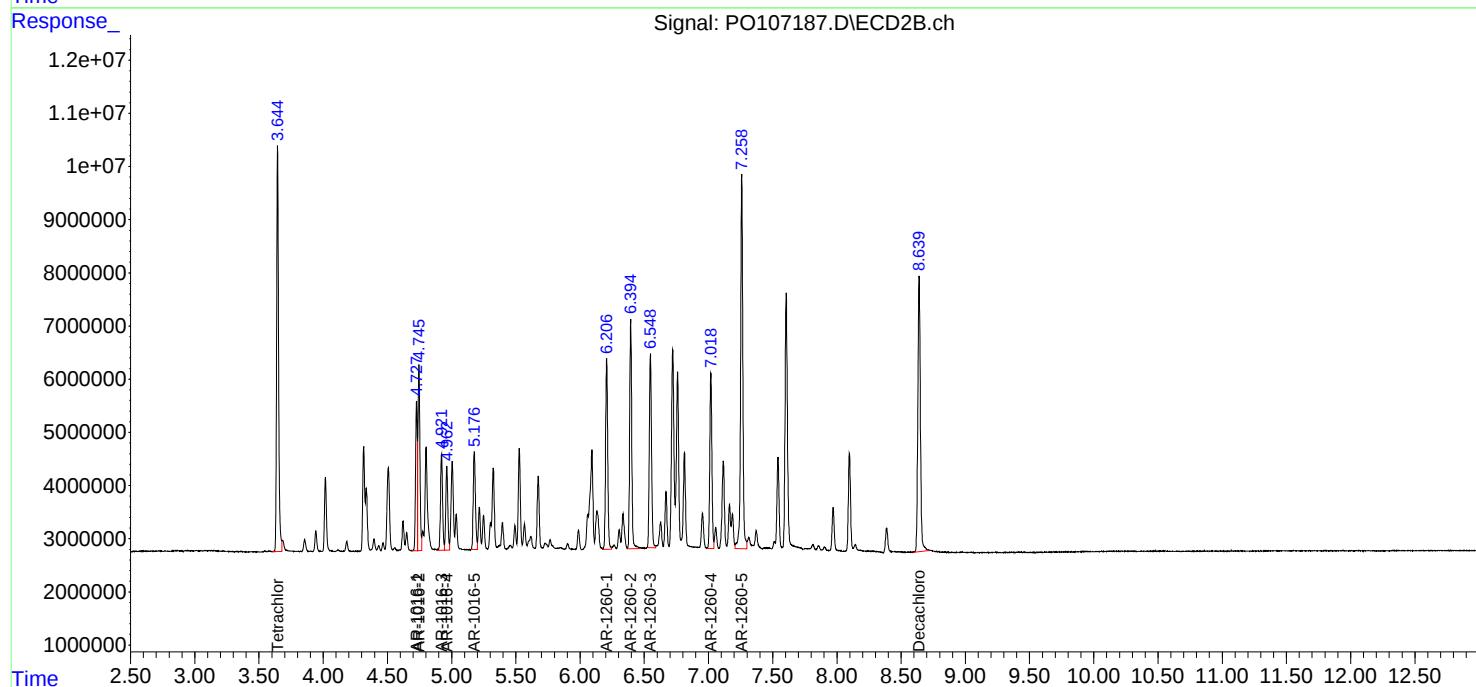
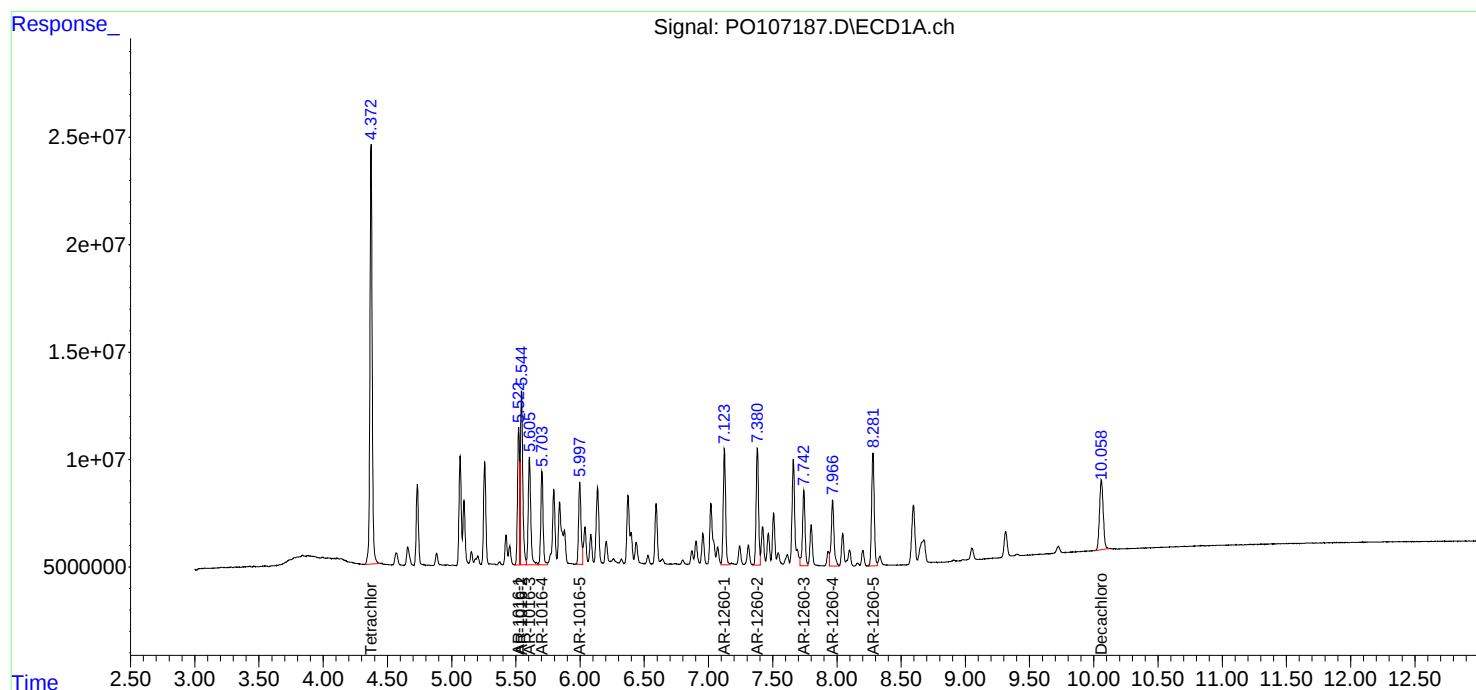
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:21
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:25:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 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_O\Data\P0101524\
 Data File : P0107188.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 19:39
 Operator : YP/AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/16/2024
 Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 01:26:01 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:21:45 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...	4.374	3.644	43726312	14311070	4.709	4.273
2) SA Decachlor...	10.060	8.639	11883434	12970025	4.760	4.657m
Target Compounds						
3) L1 AR-1016-1	5.523	4.727	13611471	5437001	50.053	53.027
4) L1 AR-1016-2	5.544	4.745	20533666	6518003	51.607	45.165
5) L1 AR-1016-3	5.607	4.922	12202124	4010763	47.558	50.899
6) L1 AR-1016-4	5.704	4.963	8277151	3521180	40.781	53.670 #
7) L1 AR-1016-5	5.999	5.176	7989825	4017833	41.725	48.105
31) L7 AR-1260-1	7.125	6.207	13579378	7810910	52.398	50.350m
32) L7 AR-1260-2	7.380	6.395	13632543	7572896	51.622m	41.134m
33) L7 AR-1260-3	7.743	6.548	9159133	7594706	50.466m	44.128m
34) L7 AR-1260-4	7.967	7.019	9276106	6862107	52.919	46.644m
35) L7 AR-1260-5	8.280	7.258	14867575	14474674	52.529m	42.977m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:39
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

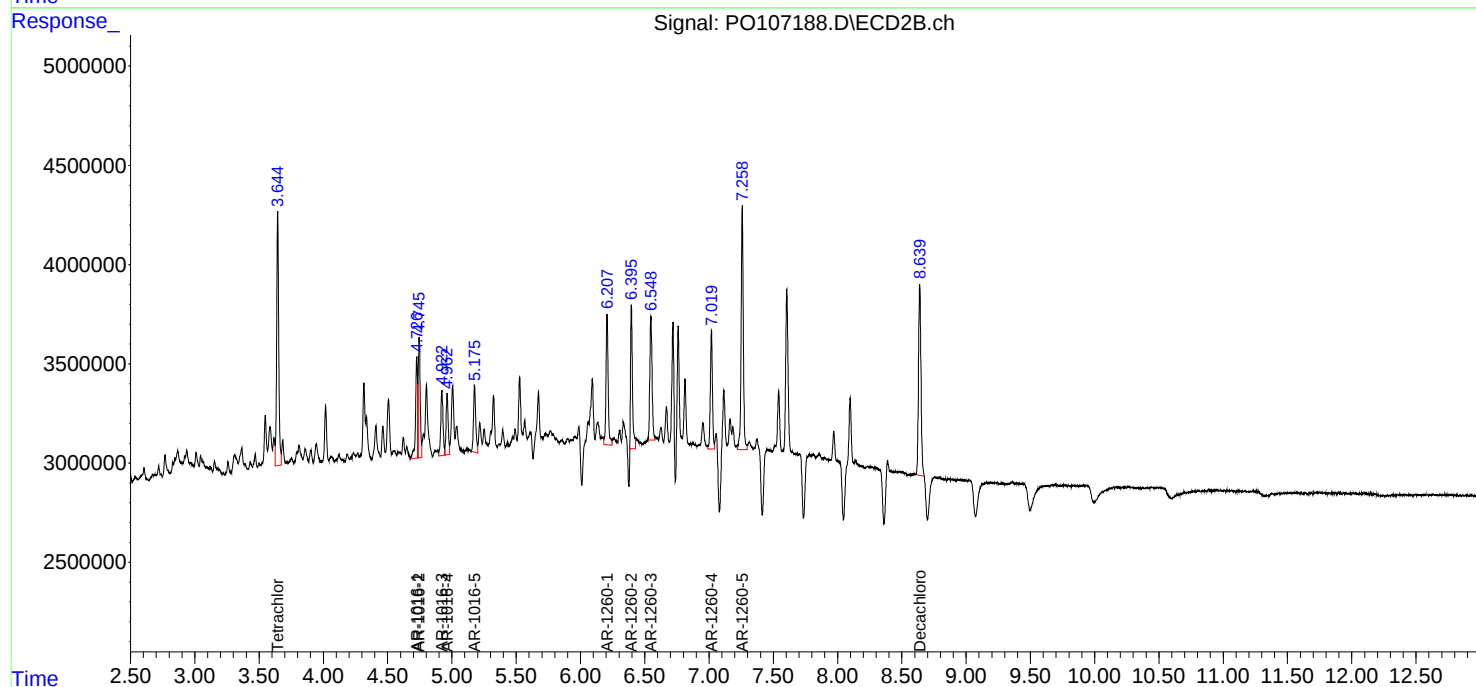
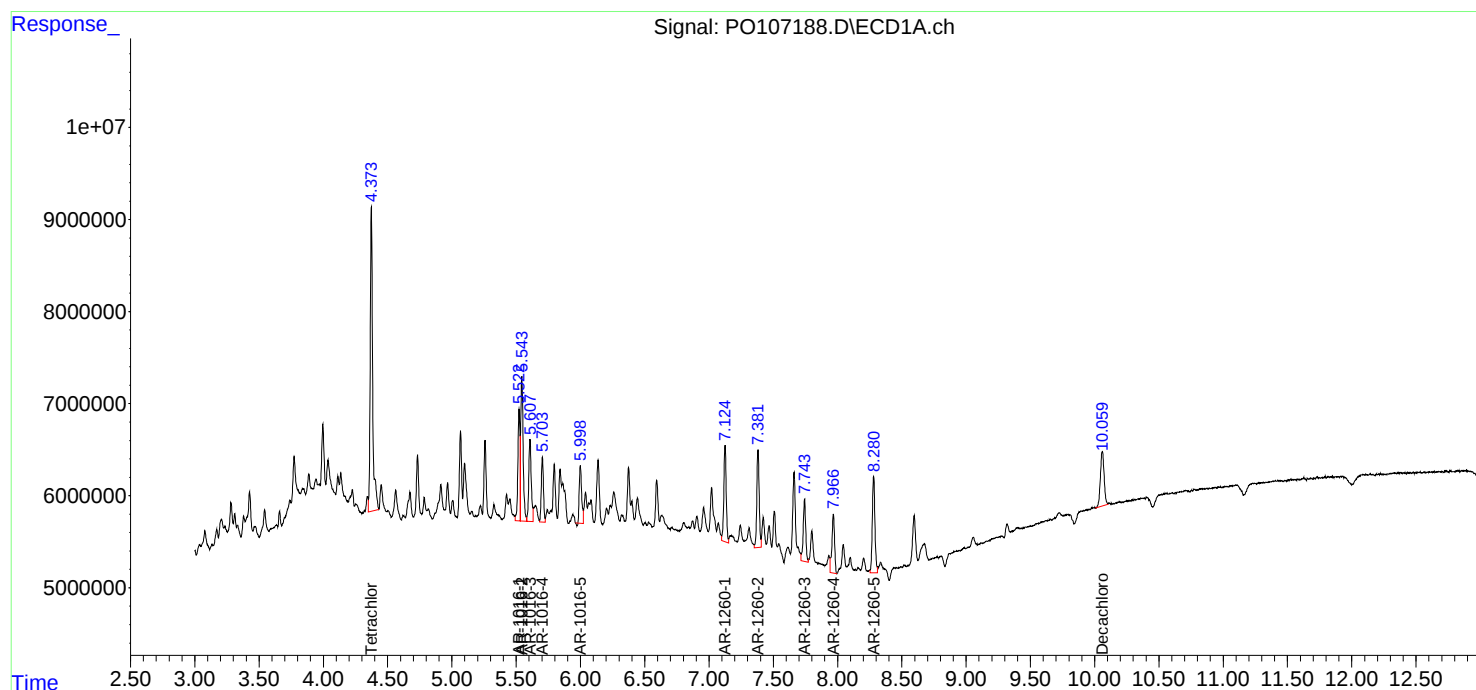
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:26:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 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_O\Data\P0101524\
 Data File : P0107189.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 19:57
 Operator : YP/AJ
 Sample : AR1221ICC500
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1221ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 01:41:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:40:45 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...	4.373	3.644	449.1E6	154.1E6	50.000	50.000
2) SA Decachlor...	10.060	8.639	121.6E6	134.8E6	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	4.573	3.856	55004944	17447760	500.000	500.000
9) L2 AR-1221-2	4.658	3.942	39418330	13312448	500.000	500.000
10) L2 AR-1221-3	4.733	4.018	117.0E6	40609299	500.000	500.000

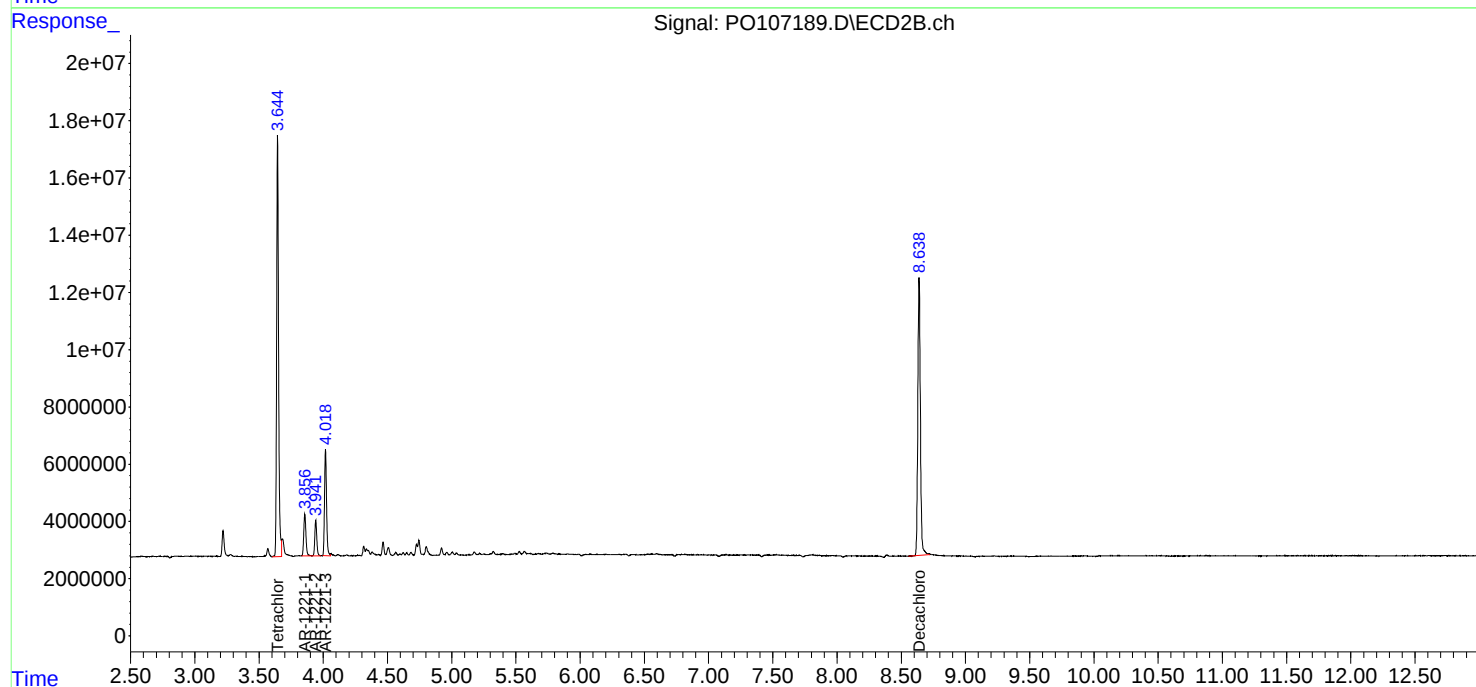
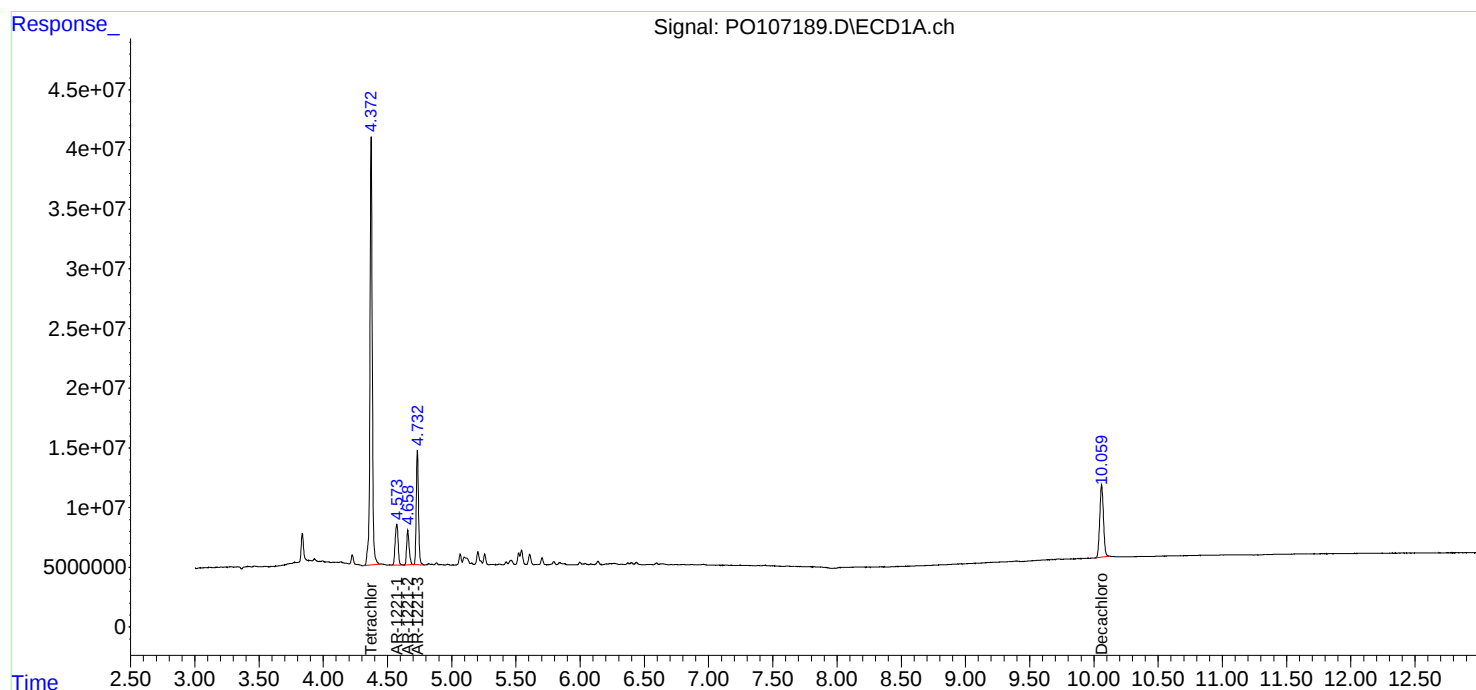
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:57
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:41:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:40:45 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_O\Data\P0101524\
 Data File : P0107190.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 20:15
 Operator : YP/AJ
 Sample : AR1232ICC500
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1232ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 01:46:02 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:45:38 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...	4.373	3.644	454.2E6	157.5E6	50.000	50.000
2) SA Decachlor...	10.059	8.639	121.6E6	135.6E6	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	4.733	4.017	97921824	33663502	500.000	500.000
12) L3 AR-1232-2	5.258	4.745	51512576	31602645	500.000	500.000
13) L3 AR-1232-3	5.544	4.921	89500289	17237464	500.000	500.000
14) L3 AR-1232-4	5.704	5.004	45082743	15732978	500.000	500.000
15) L3 AR-1232-5	5.796	5.176	32951614	16541659	500.000	500.000

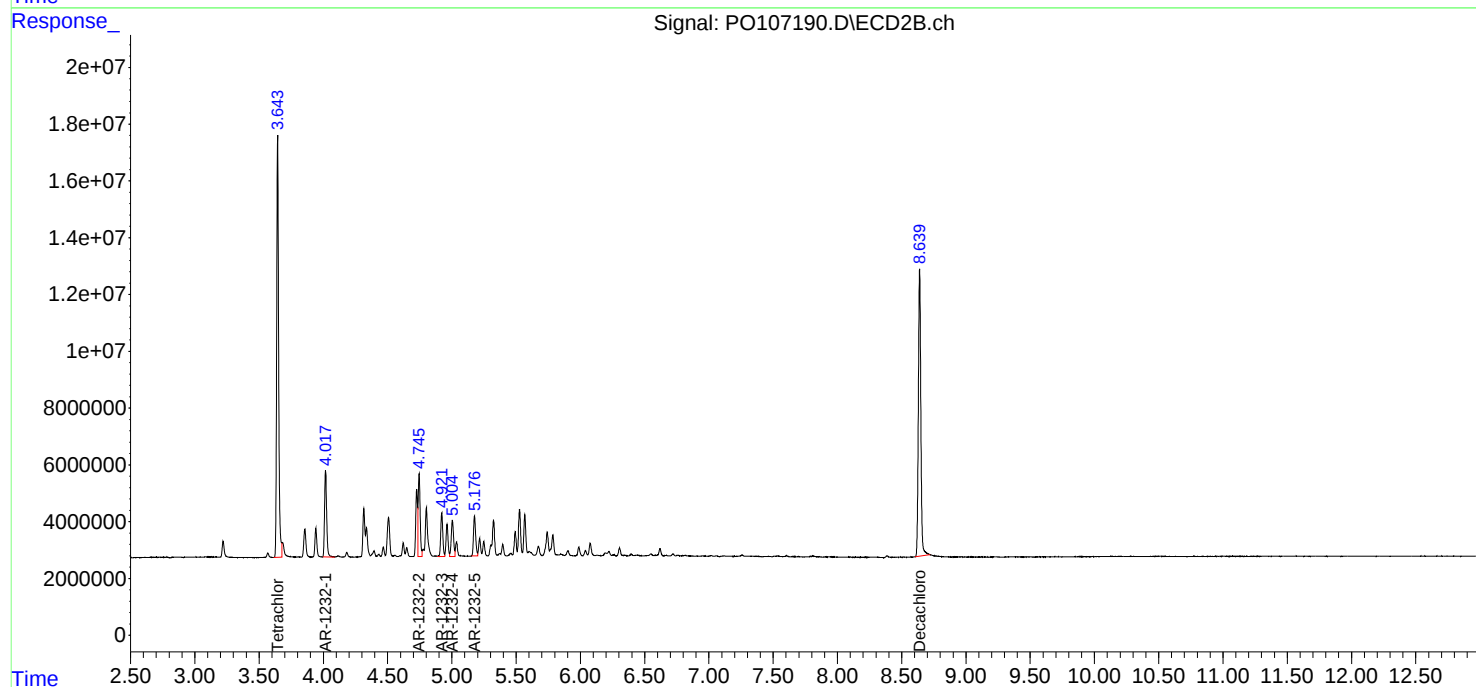
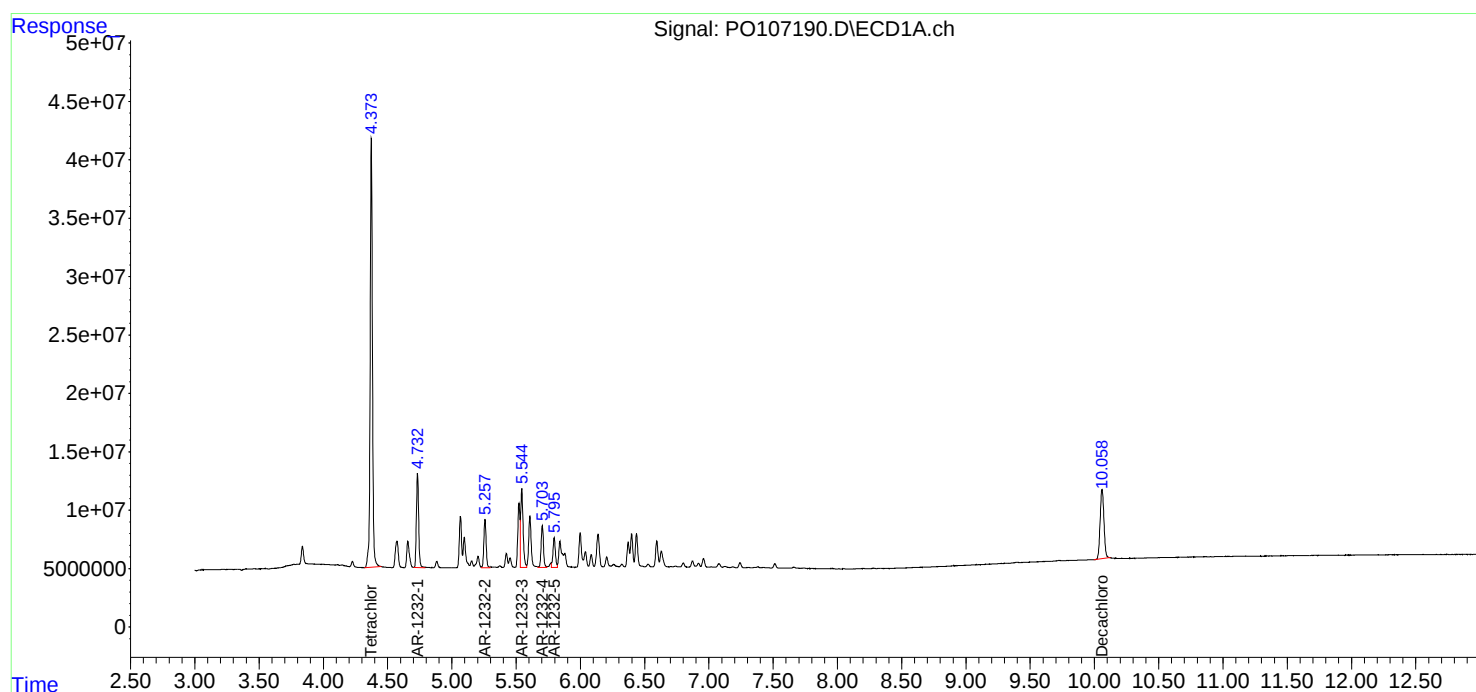
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107190.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:15
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:46:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:45:38 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_O\Data\P0101524\
 Data File : P0107191.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 20:34
 Operator : YP/AJ
 Sample : AR1242ICC1000
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 01:49:28 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:48:50 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...	4.373	3.644	886.0E6	331.6E6	96.865	99.238
2) SA Decachlor...	10.061	8.638	233.9E6	268.7E6	93.851	97.198
Target Compounds						
16) L4 AR-1242-1	5.522	4.726	207.9E6	80390662	935.818	957.741
17) L4 AR-1242-2	5.545	4.745	302.4E6	114.5E6	934.753	972.360
18) L4 AR-1242-3	5.607	4.921	191.9E6	61817452	915.447	959.943
19) L4 AR-1242-4	5.704	5.004	150.4E6	60582529	924.137	940.948
20) L4 AR-1242-5	6.437	5.526	141.0E6	73763103	917.497	955.284

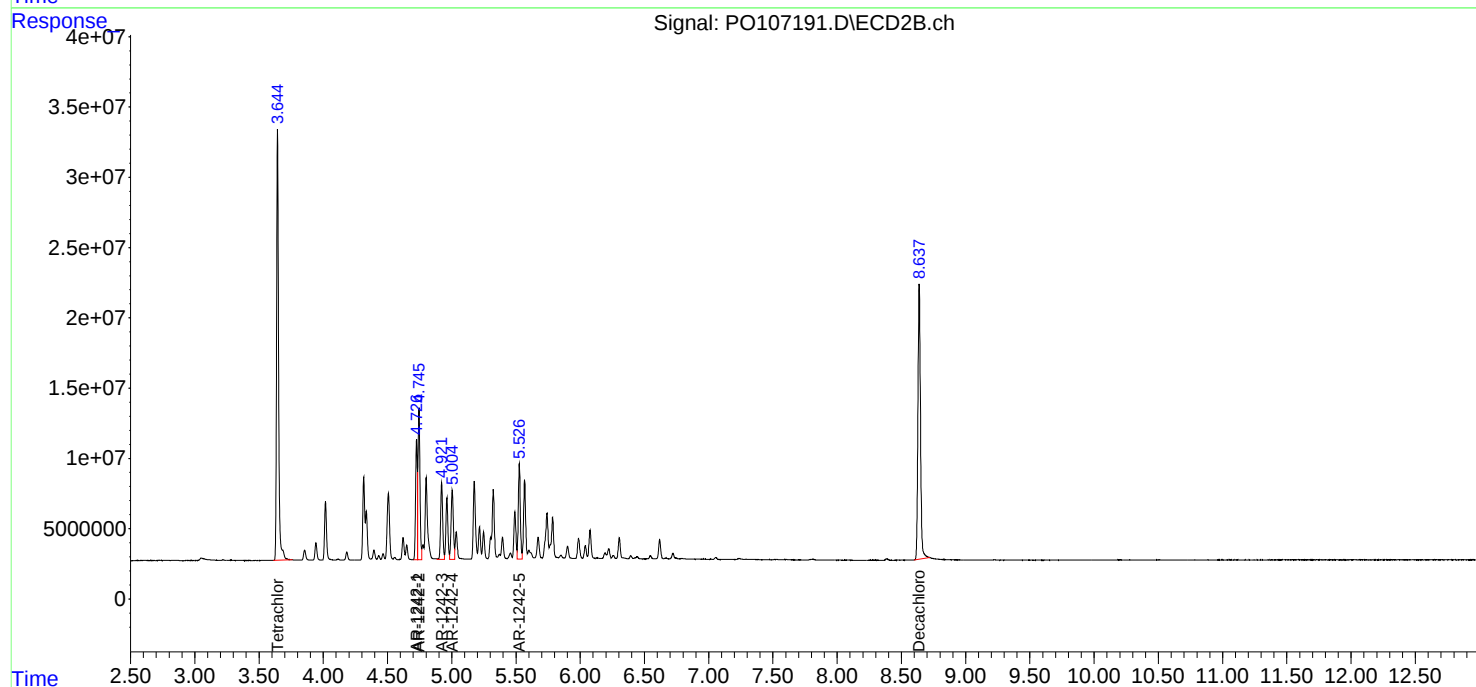
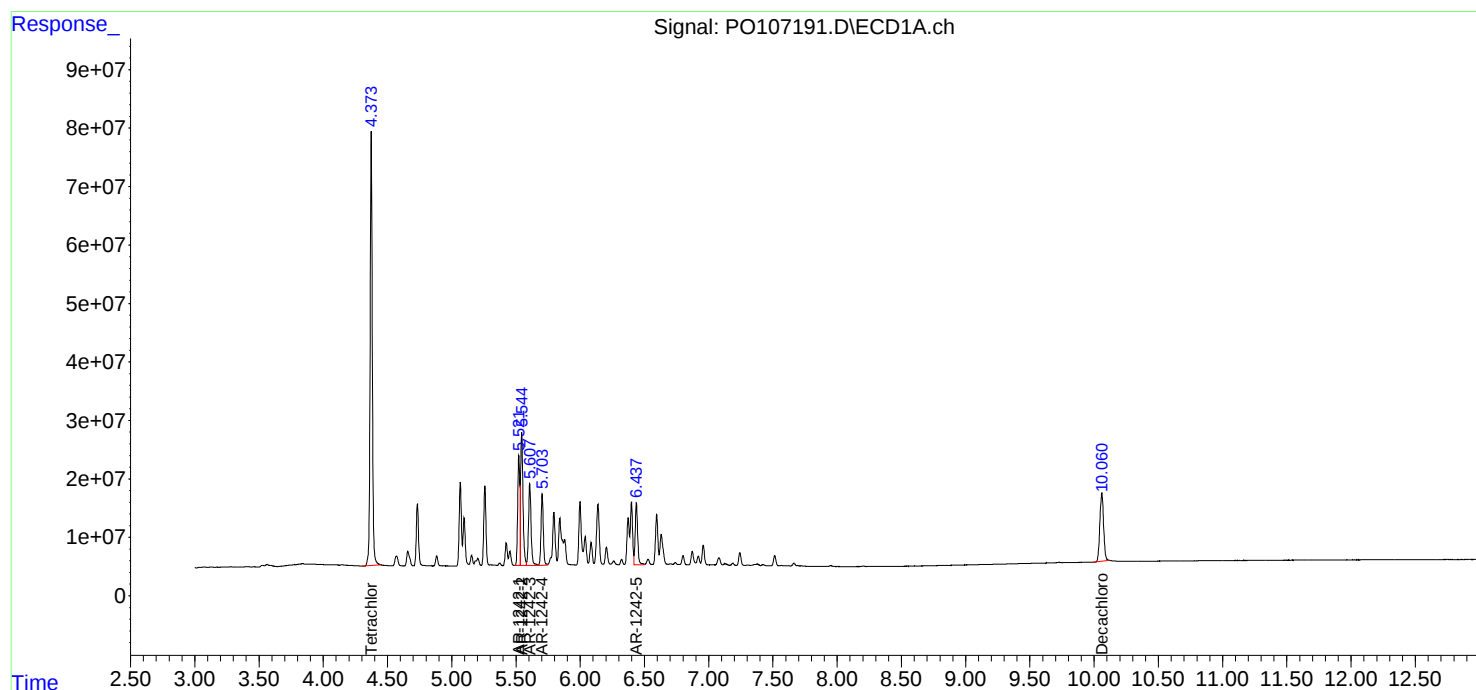
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:34
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:49:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107192.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 20:52
 Operator : YP/AJ
 Sample : AR1242ICC750
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 01:49:55 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:48:50 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...	4.373	3.644	648.9E6	243.1E6	70.941	72.772
2) SA Decachlor...	10.059	8.639	182.1E6	207.3E6	73.046	74.999
Target Compounds						
16) L4 AR-1242-1	5.521	4.726	154.2E6	60335620	693.850	718.814
17) L4 AR-1242-2	5.544	4.746	225.0E6	83449803	695.293	708.752
18) L4 AR-1242-3	5.606	4.922	144.9E6	45346429	691.114	704.170
19) L4 AR-1242-4	5.703	5.005	109.0E6	45477164	669.566	706.336
20) L4 AR-1242-5	6.437	5.526	107.6E6	56756574	699.831	735.037

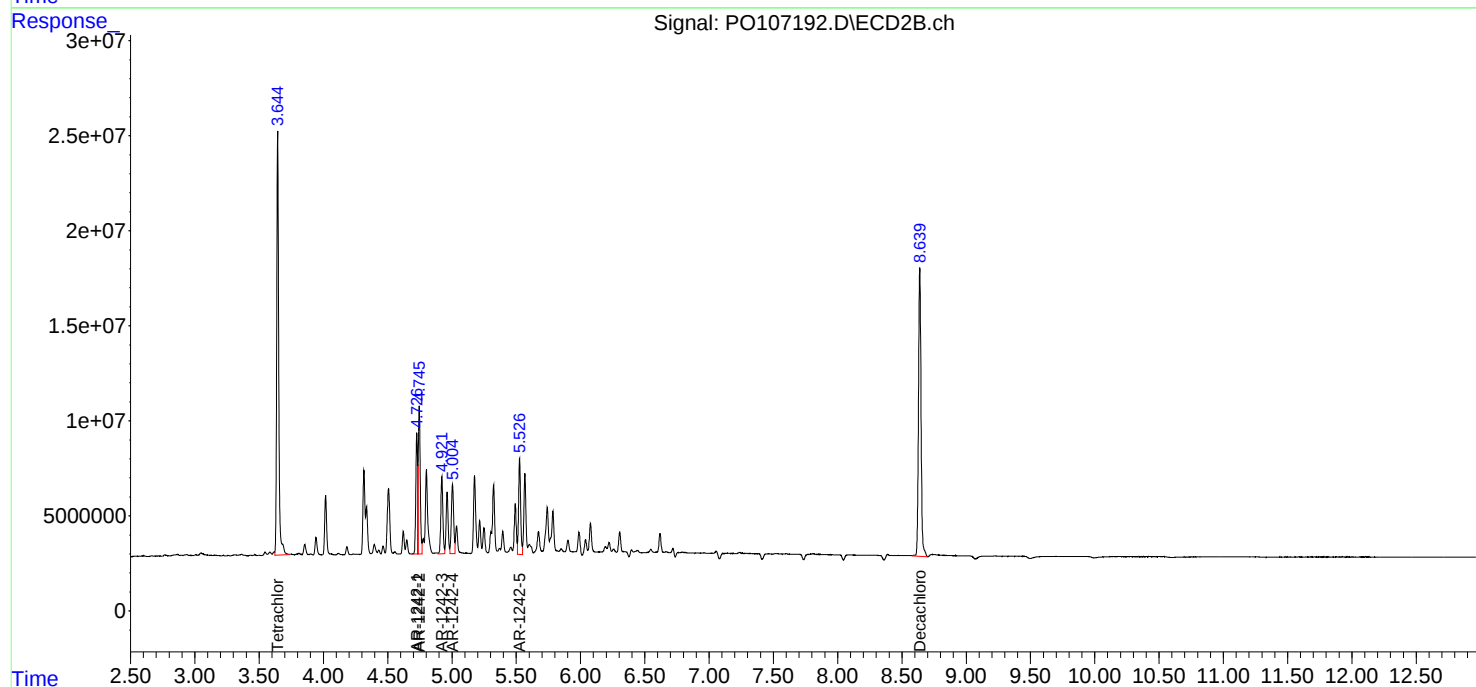
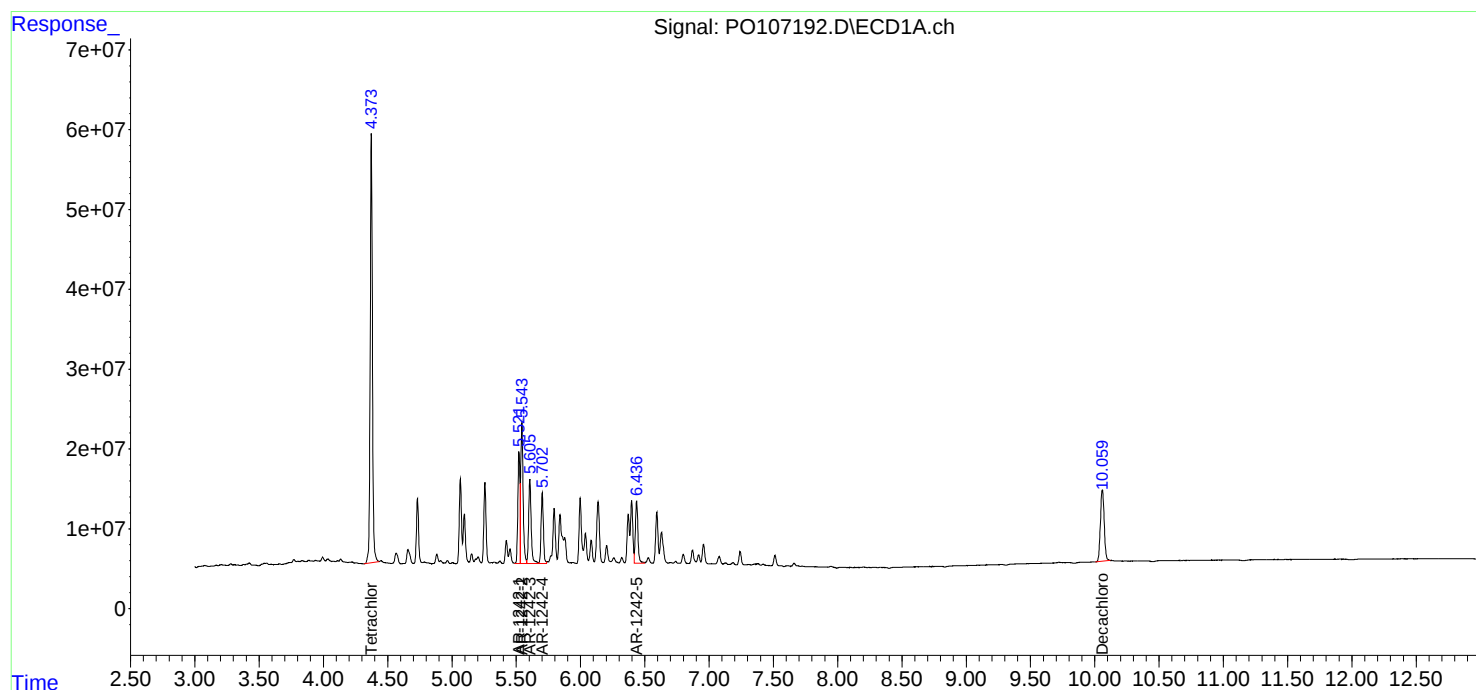
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:52
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:49:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 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_O\Data\P0101524\
 Data File : P0107193.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 21:10
 Operator : YP/AJ
 Sample : AR1242ICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 01:50:23 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:48:50 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...	4.373	3.644	457.3E6	167.1E6	50.000	50.000
2) SA Decachlor...	10.057	8.639	124.6E6	138.2E6	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	5.522	4.726	111.1E6	41968881	500.000	500.000
17) L4 AR-1242-2	5.544	4.745	161.8E6	58870958	500.000	500.000
18) L4 AR-1242-3	5.607	4.922	104.8E6	32198496	500.000	500.000
19) L4 AR-1242-4	5.703	5.004	81398754	32192297	500.000	500.000
20) L4 AR-1242-5	6.437	5.526	76844549	38607958	500.000	500.000

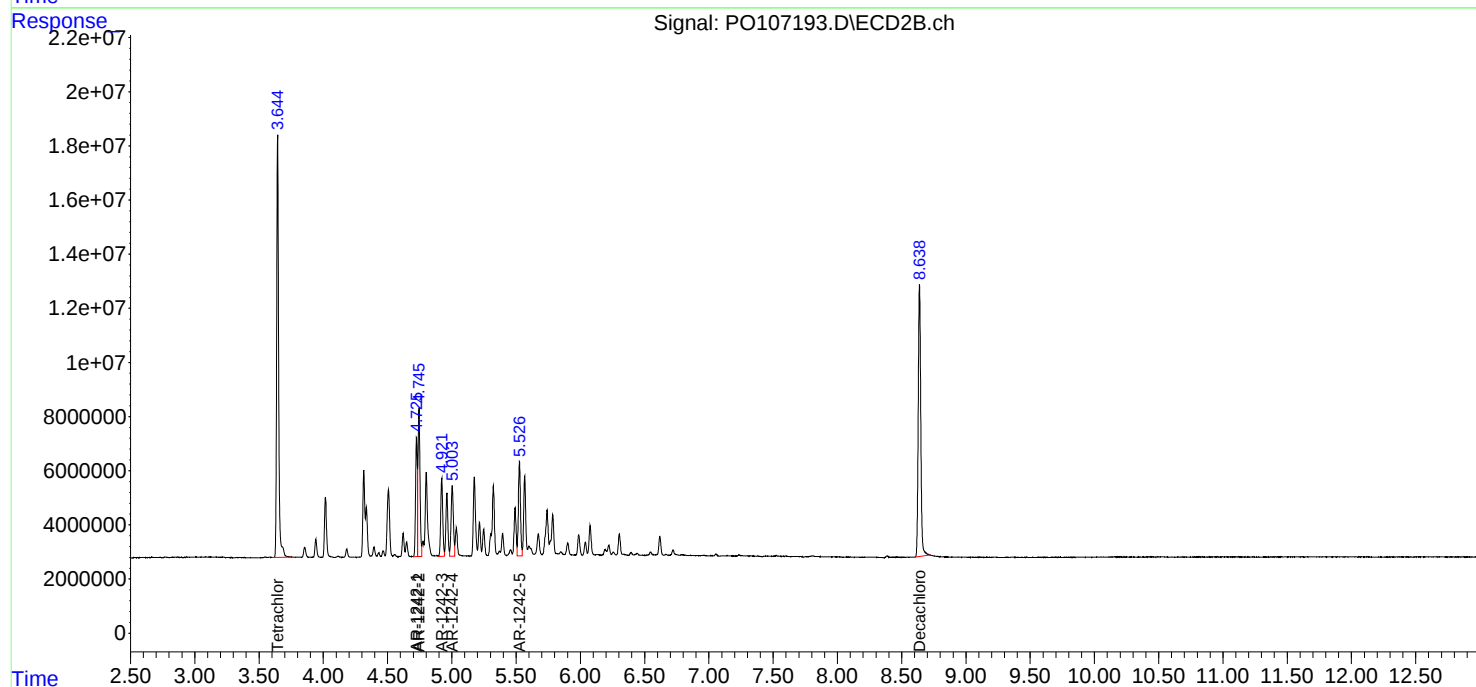
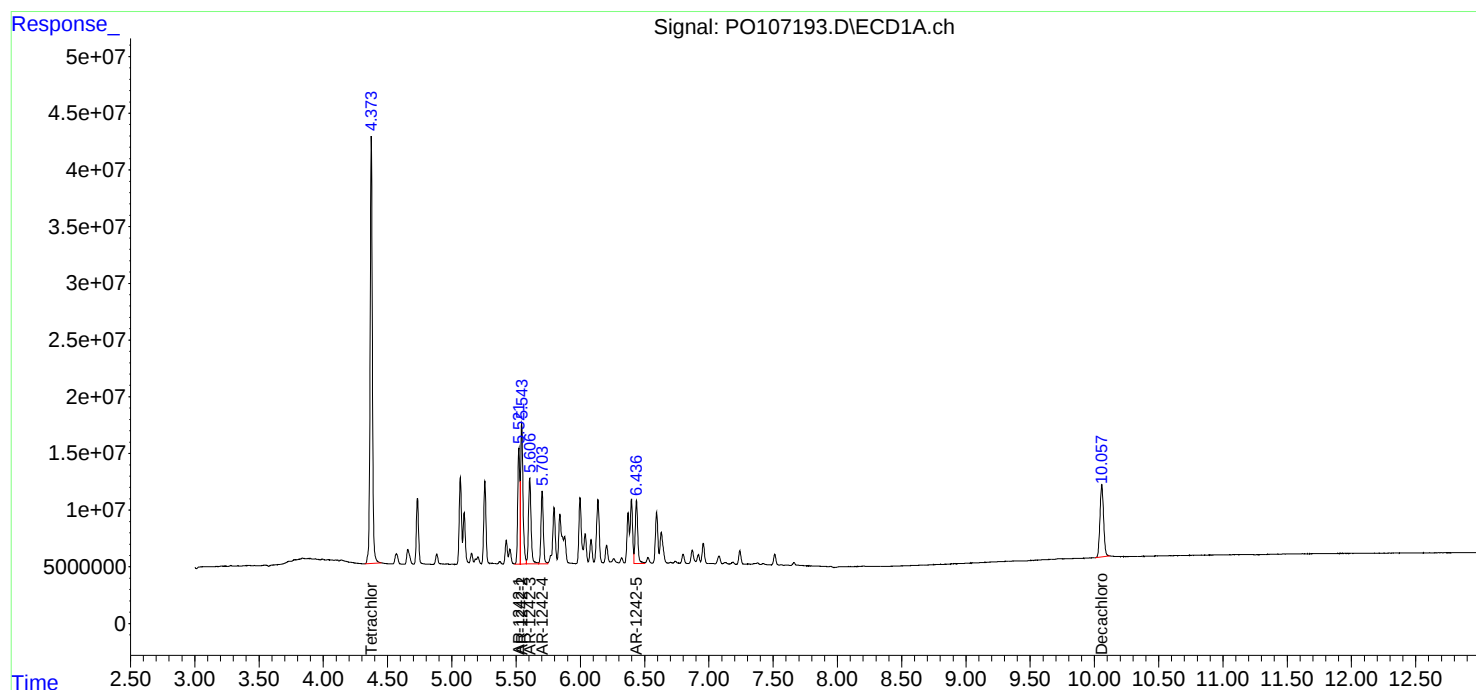
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:10
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:50:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107194.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 21:28
 Operator : YP/AJ
 Sample : AR1242ICC250
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 01:50:53 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:48:50 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...	4.373	3.645	237.6E6	83389360	25.977	24.958
2) SA Decachlor...	10.057	8.639	63795685	69963548	25.593	25.308
Target Compounds						
16) L4 AR-1242-1	5.522	4.727	59739114	21816724	268.842	259.915
17) L4 AR-1242-2	5.544	4.746	85701102	30166778	264.877	256.211
18) L4 AR-1242-3	5.607	4.922	56076682	16716467	267.493	259.585
19) L4 AR-1242-4	5.703	5.005	43283991	17011315	265.876	264.214
20) L4 AR-1242-5	6.437	5.526	41155754	20184132	267.786	261.399

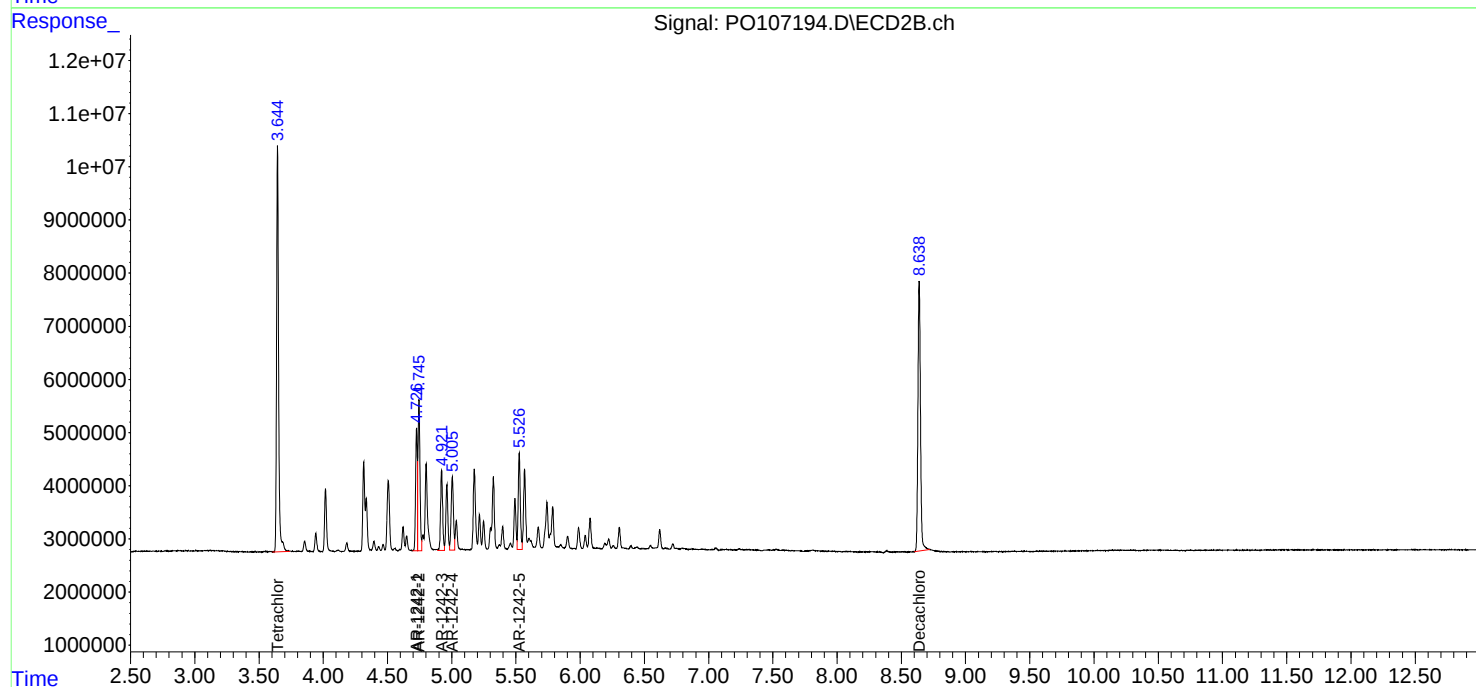
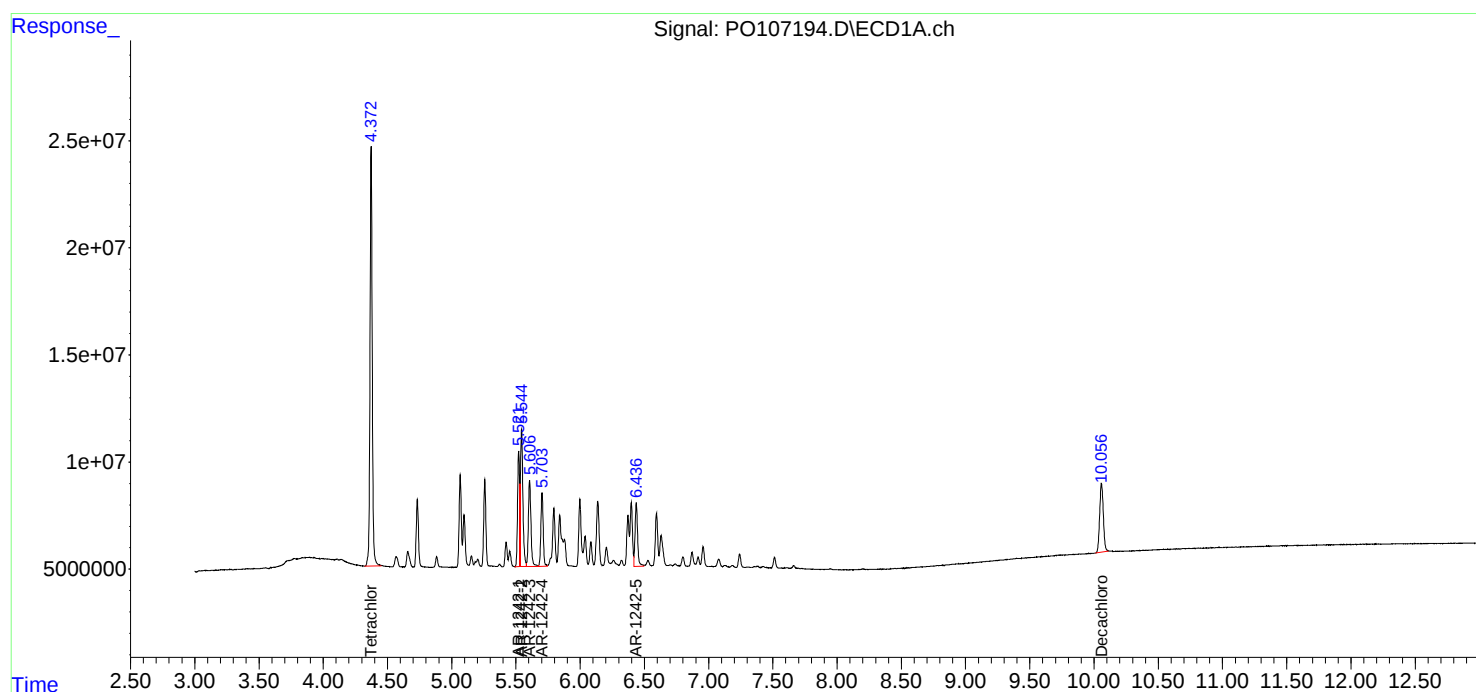
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107194.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:28
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:50:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 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_O\Data\P0101524\
 Data File : P0107195.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 21:46
 Operator : YP/AJ
 Sample : AR1242ICC050
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 01:51:26 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 01:48:50 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...	4.373	3.644	45874144	14600377	5.015	4.370
2) SA Decachlor...	10.055	8.638	12132051	13326327	4.867	4.821
Target Compounds						
16) L4 AR-1242-1	5.521	4.726	12176144	4333712	54.796	51.630
17) L4 AR-1242-2	5.544	4.745	17442944	5701582	53.911	48.424
18) L4 AR-1242-3	5.606	4.921	11292382	3181204	53.866	49.400
19) L4 AR-1242-4	5.703	5.004	8415437	3329911	51.693	51.719
20) L4 AR-1242-5	6.437	5.526	8983989	4011331	58.456	51.950

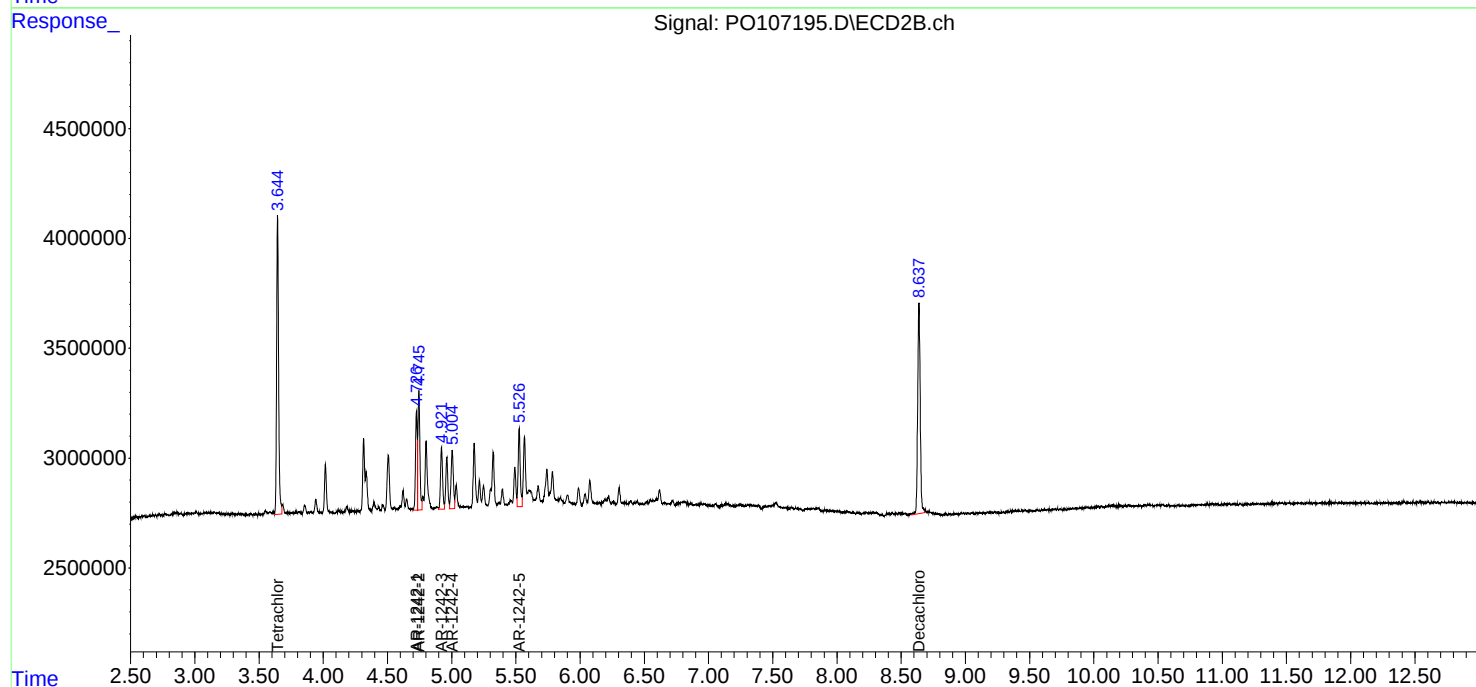
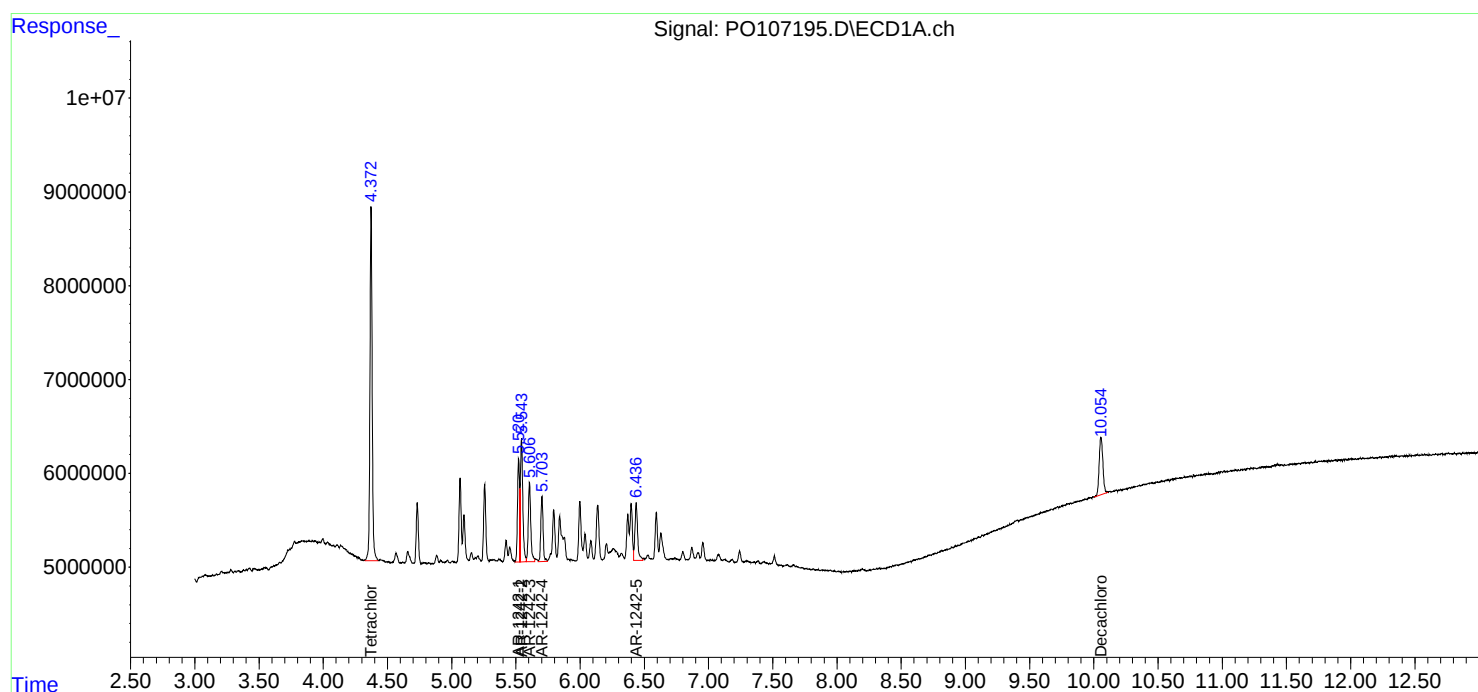
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:46
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:51:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 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_O\Data\P0101524\
 Data File : P0107196.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 22:04
 Operator : YP/AJ
 Sample : AR1248ICC1000
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 02:08:46 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:08:16 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...	4.372	3.644	871.9E6	327.8E6	93.167	95.697
2) SA Decachlor...	10.057	8.638	234.0E6	266.9E6	93.438	95.612
Target Compounds						
21) L5 AR-1248-1	5.521	4.726	155.9E6	60218805	889.958	928.169
22) L5 AR-1248-2	5.795	4.962	222.8E6	85173308	878.597	915.232
23) L5 AR-1248-3	5.997	5.004	231.9E6	89257070	892.951	916.605
24) L5 AR-1248-4	6.398	5.176	237.2E6	105.9E6	910.480	923.092
25) L5 AR-1248-5	6.437	5.567	236.3E6	102.8E6	906.188	936.492

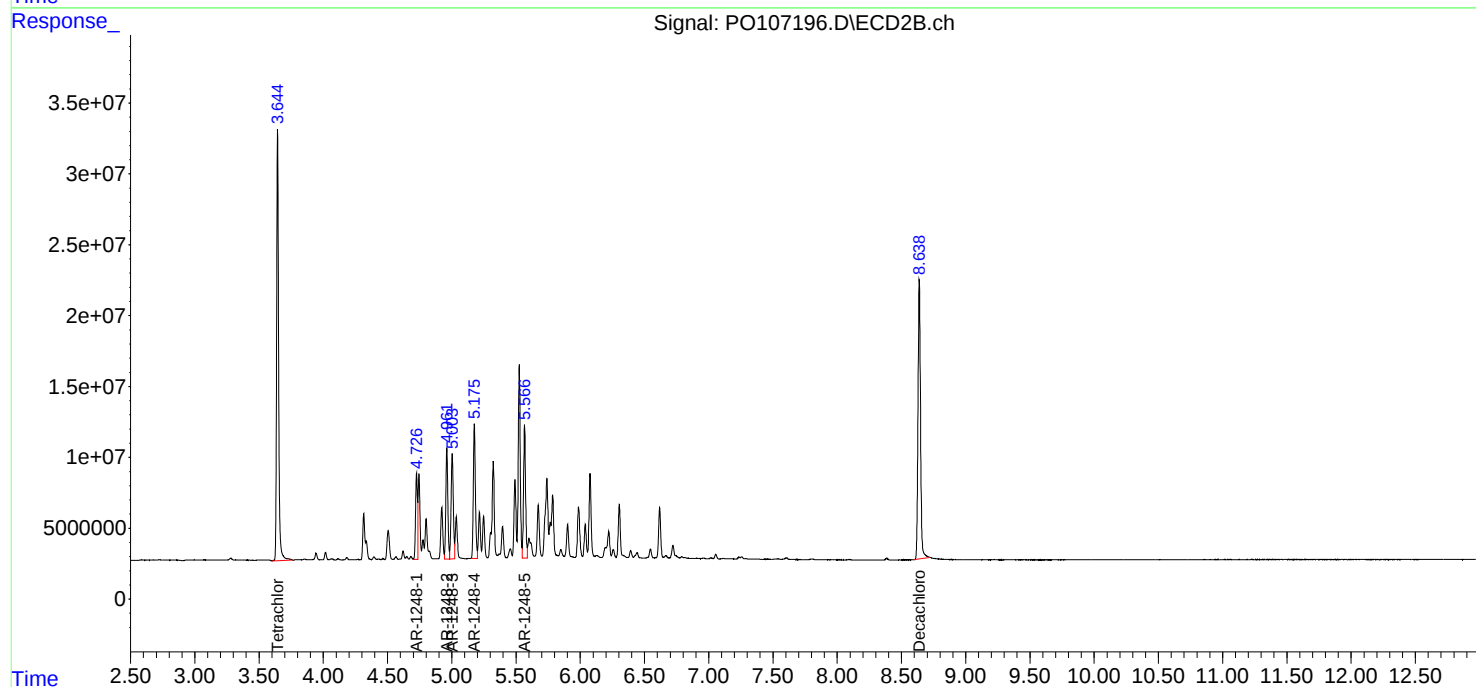
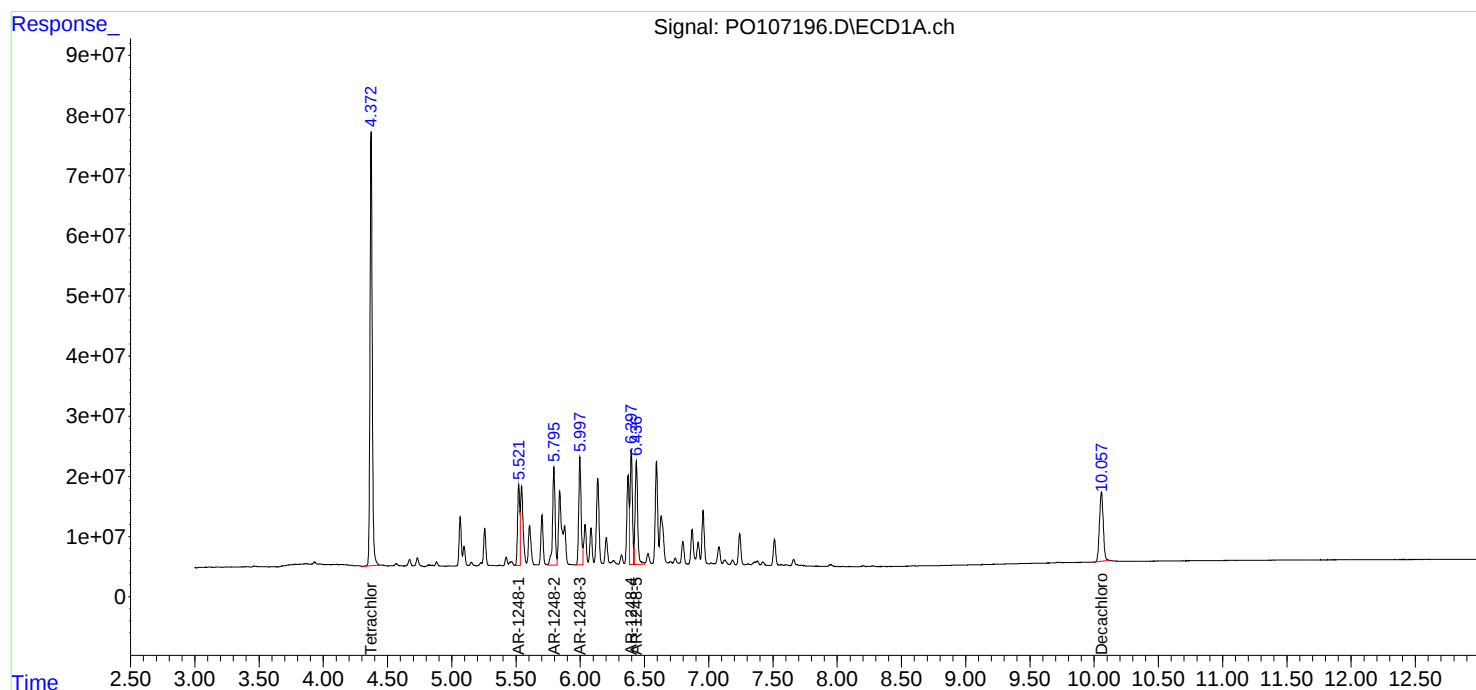
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:04
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:08:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 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_O\Data\P0101524\
 Data File : P0107197.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 22:22
 Operator : YP/AJ
 Sample : AR1248ICC750
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 02:09:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:08:16 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...	4.373	3.644	684.0E6	254.2E6	73.085	74.199
2) SA Decachlor...	10.056	8.638	177.9E6	201.2E6	71.030	72.062
Target Compounds						
21) L5 AR-1248-1	5.521	4.726	123.6E6	47278639	705.517	728.719
22) L5 AR-1248-2	5.795	4.962	178.7E6	66831271	704.358	718.137
23) L5 AR-1248-3	5.997	5.004	184.7E6	69919958	711.094	718.027
24) L5 AR-1248-4	6.398	5.176	185.0E6	82899838	709.988	722.373
25) L5 AR-1248-5	6.437	5.568	184.9E6	79019739	709.319	719.661

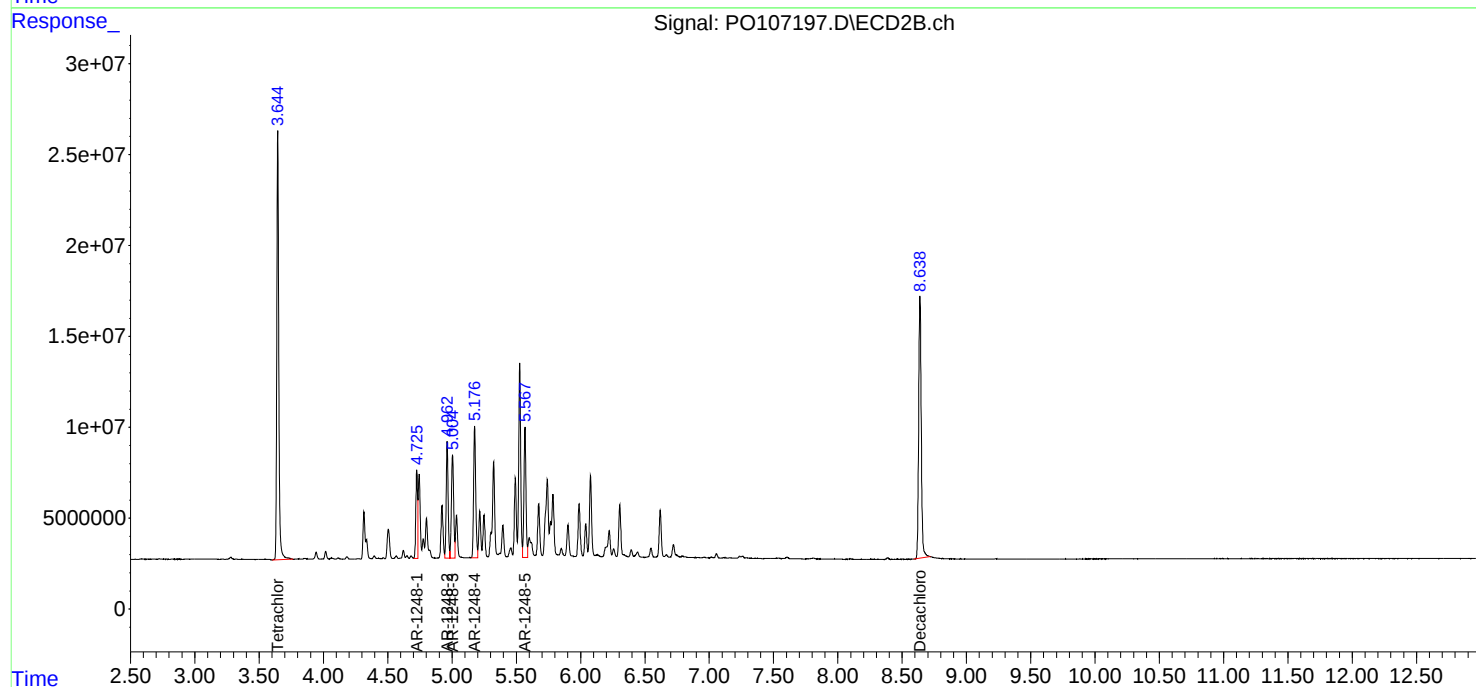
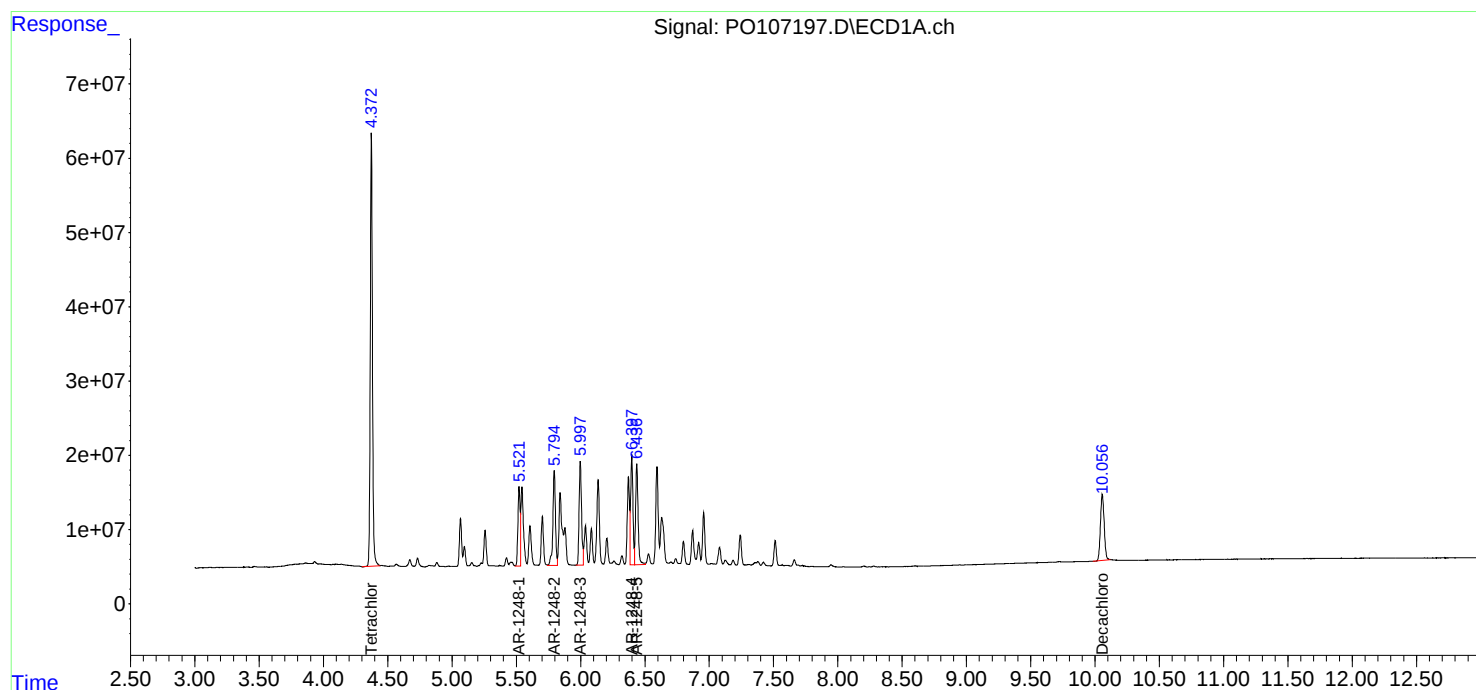
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:22
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:09:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 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_O\Data\P0101524\
 Data File : P0107198.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 22:41
 Operator : YP/AJ
 Sample : AR1248ICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 02:09:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:08:16 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...	4.373	3.644	467.9E6	171.3E6	50.000	50.000
2) SA Decachlor...	10.058	8.638	125.2E6	139.6E6	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	5.521	4.726	87595666	32439560	500.000	500.000
22) L5 AR-1248-2	5.795	4.962	126.8E6	46530975	500.000	500.000
23) L5 AR-1248-3	5.998	5.004	129.9E6	48688939	500.000	500.000
24) L5 AR-1248-4	6.398	5.176	130.3E6	57380206	500.000	500.000
25) L5 AR-1248-5	6.437	5.567	130.4E6	54900690	500.000	500.000

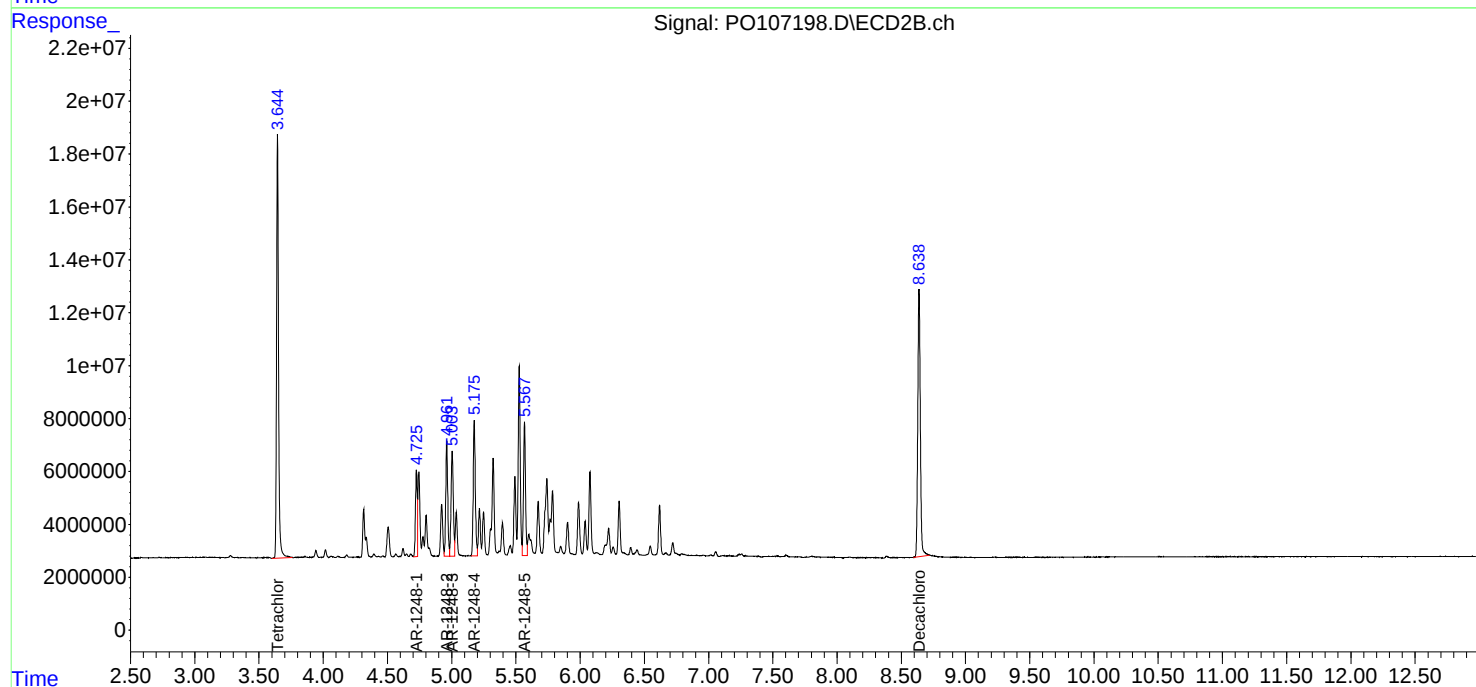
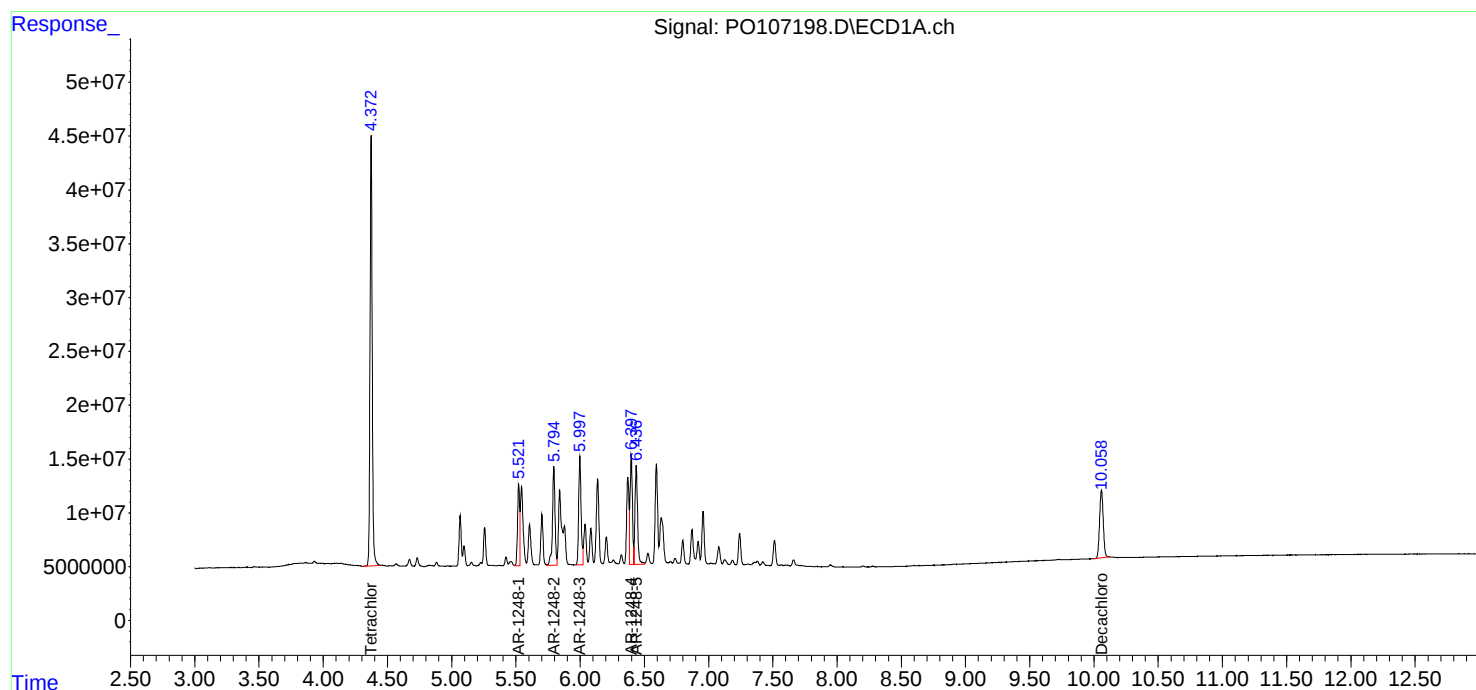
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:41
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:09:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 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_O\Data\P0101524\
 Data File : P0107199.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 22:59
 Operator : YP/AJ
 Sample : AR1248ICC250
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 02:09:57 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:08:16 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...	4.373	3.644	237.3E6	84054601	25.358	24.535
2) SA Decachlor...	10.056	8.639	64153967	70917862	25.620	25.402
Target Compounds						
21) L5 AR-1248-1	5.522	4.725	46152443	16666809	263.440	256.890
22) L5 AR-1248-2	5.796	4.962	67518514	24135370	266.200	259.347
23) L5 AR-1248-3	5.998	5.003	68597053	25222976	264.133	259.022
24) L5 AR-1248-4	6.399	5.175	68218183	29443172	261.841	256.562
25) L5 AR-1248-5	6.437	5.567	69078530	28554491	264.939	260.056

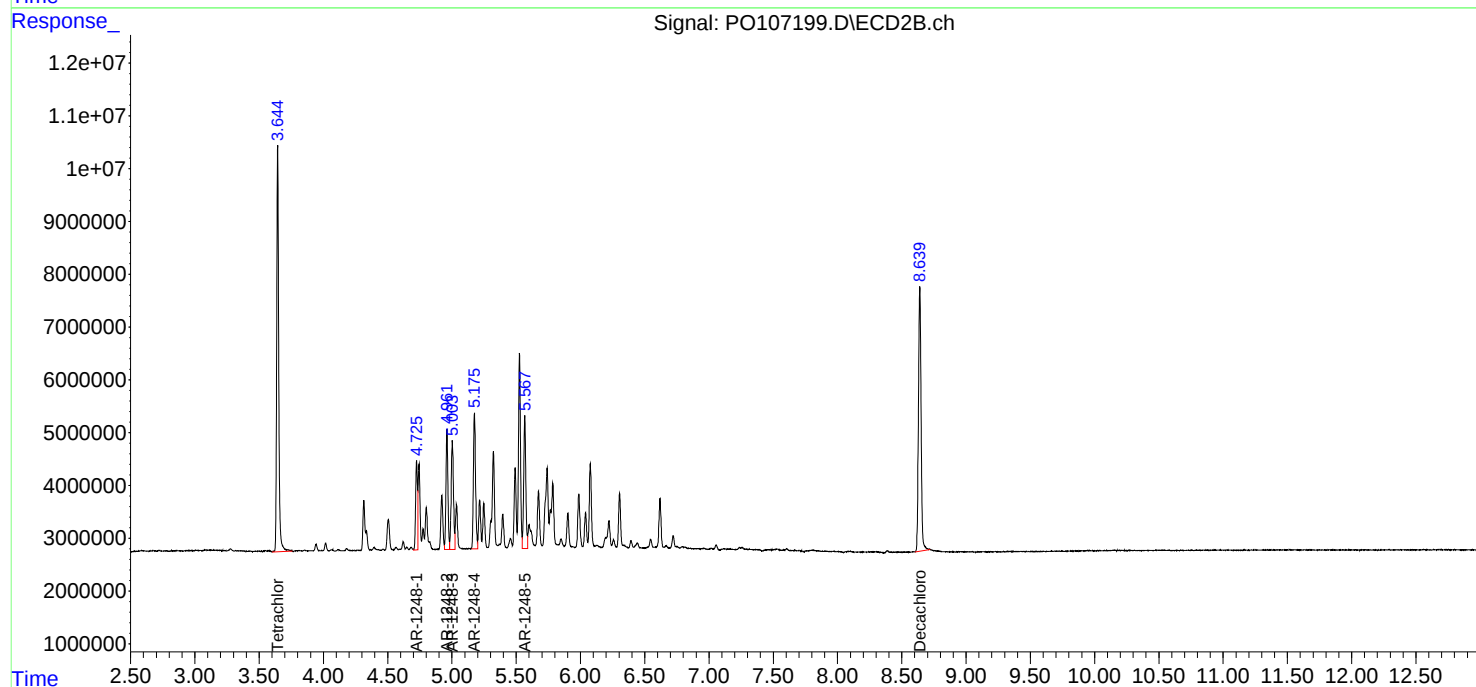
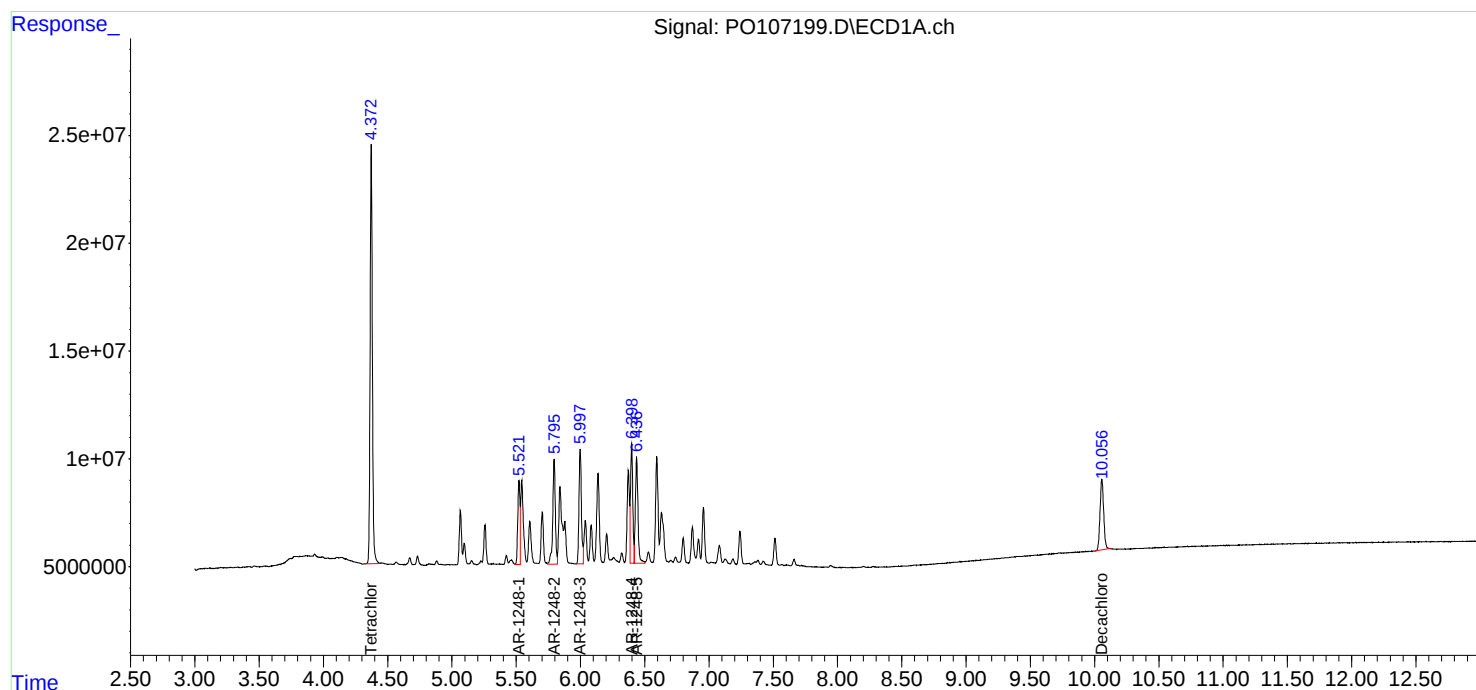
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:59
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:09:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 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_O\Data\P0101524\
 Data File : P0107200.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 23:17
 Operator : YP/AJ
 Sample : AR1248ICC050
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 02:10:22 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:08:16 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...	4.372	3.644	44978867	14828612	4.806	4.328
2) SA Decachlor...	10.057	8.638	11983506	13399690	4.786	4.800
Target Compounds						
21) L5 AR-1248-1	5.521	4.726	9443386	3120120	53.903	48.091
22) L5 AR-1248-2	5.795	4.962	14018331	4677017	55.269	50.257
23) L5 AR-1248-3	5.997	5.004	13309890	4810627	51.250	49.402
24) L5 AR-1248-4	6.398	5.176	13593006	5584554	52.174	48.663
25) L5 AR-1248-5	6.436	5.567	14015230	5957032	53.753	54.253

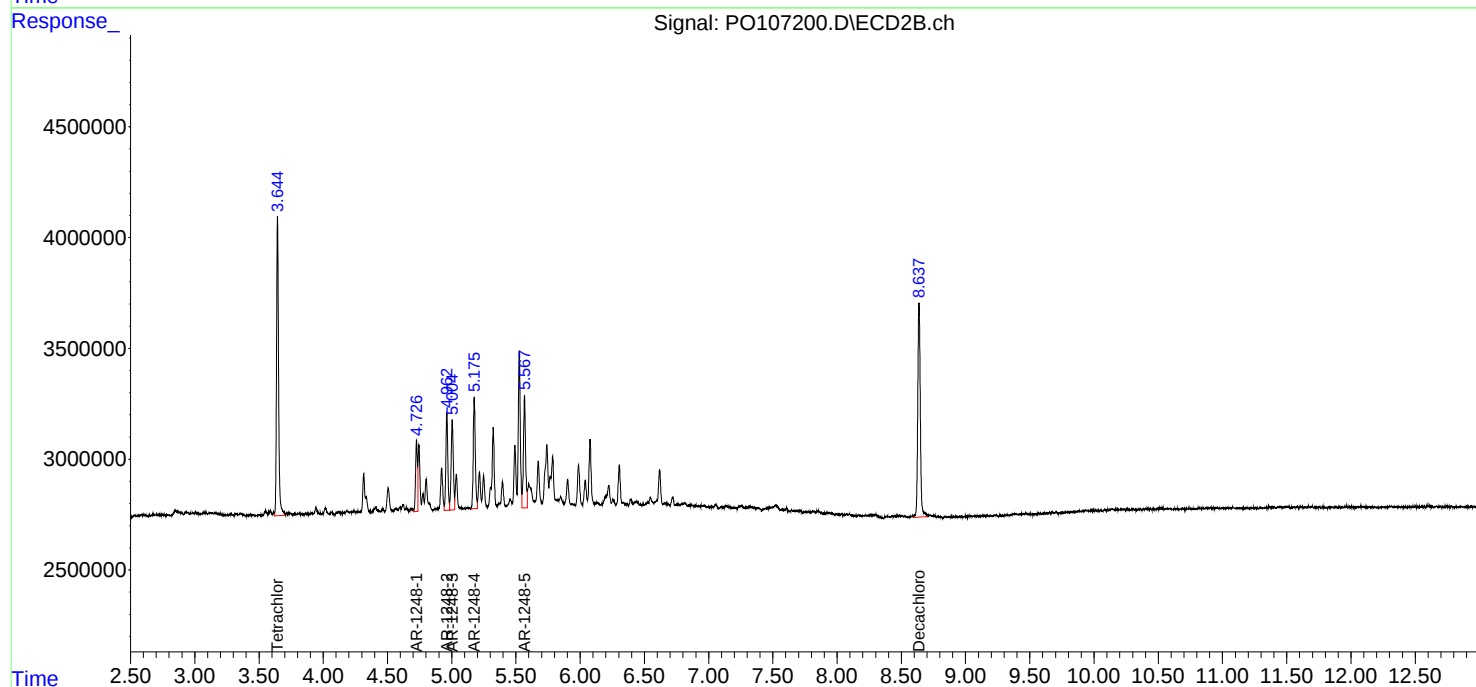
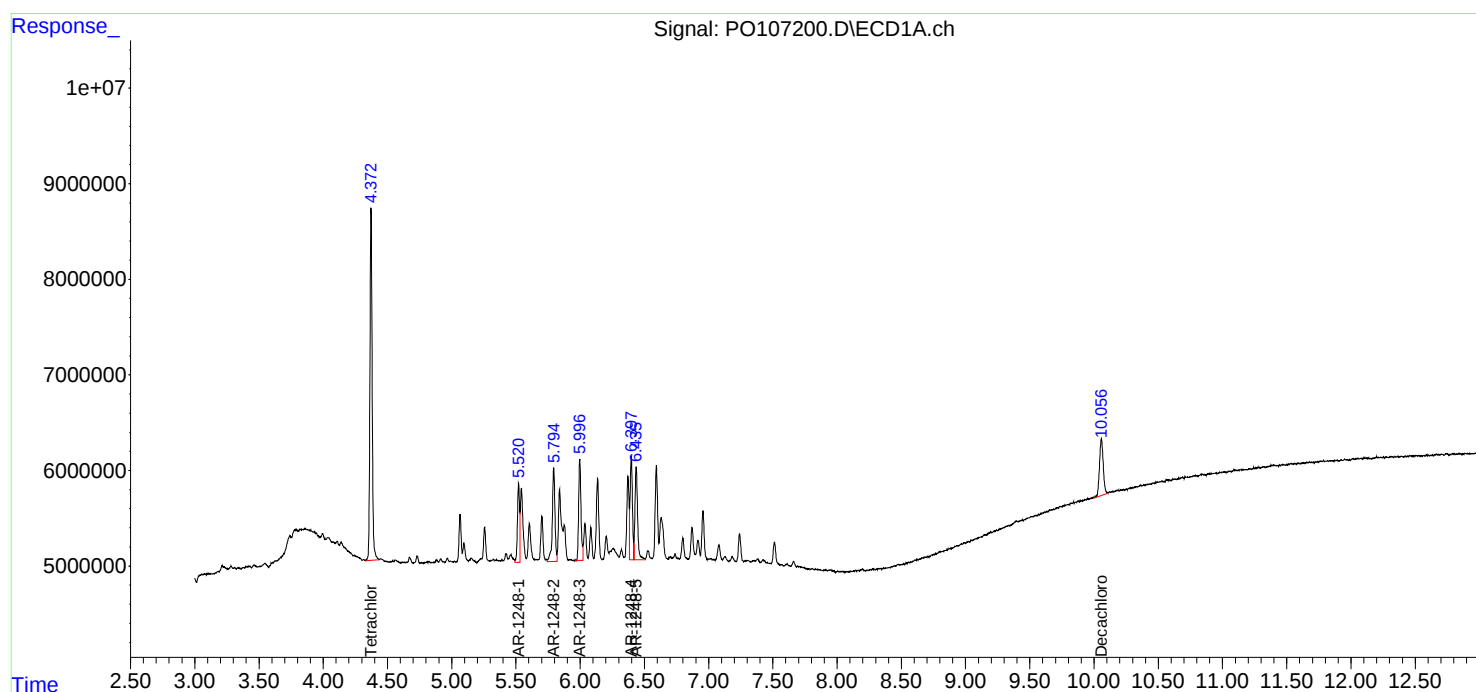
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:17
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:10:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 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_O\Data\P0101524\
 Data File : P0107201.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 23:35
 Operator : YP/AJ
 Sample : AR1254ICC1000
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 02:21:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:21:05 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...	4.373	3.645	888.4E6	334.8E6	96.727	99.808
2) SA Decachlor...	10.058	8.638	235.8E6	272.7E6	93.987	98.323
Target Compounds						
26) L6 AR-1254-1	6.374	5.526	246.8E6	159.9E6	931.434	965.611
27) L6 AR-1254-2	6.593	5.674	348.1E6	138.5E6	933.222	957.951
28) L6 AR-1254-3	6.957	6.077	336.3E6	227.1E6	944.885	977.812
29) L6 AR-1254-4	7.242	6.304	213.1E6	128.2E6	938.161	976.528
30) L6 AR-1254-5	7.663	6.721	194.6E6	191.9E6	945.308	982.221

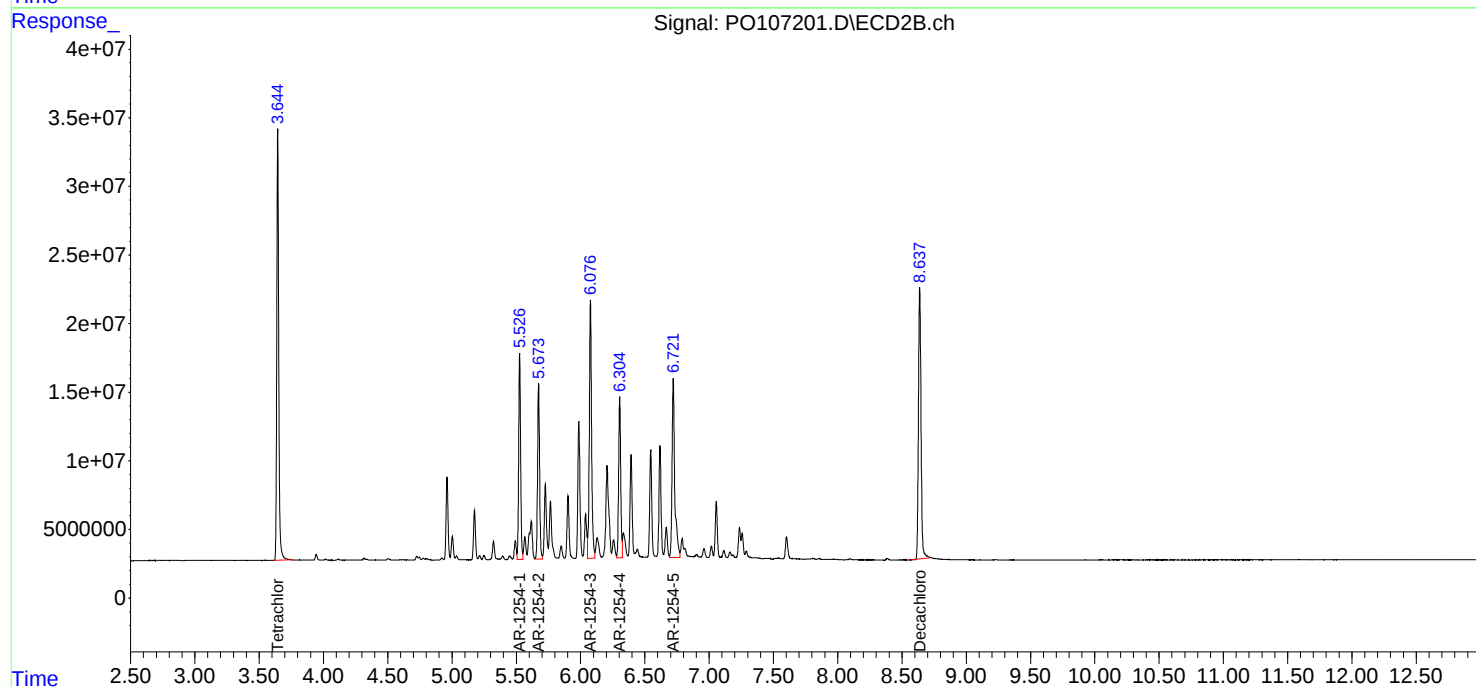
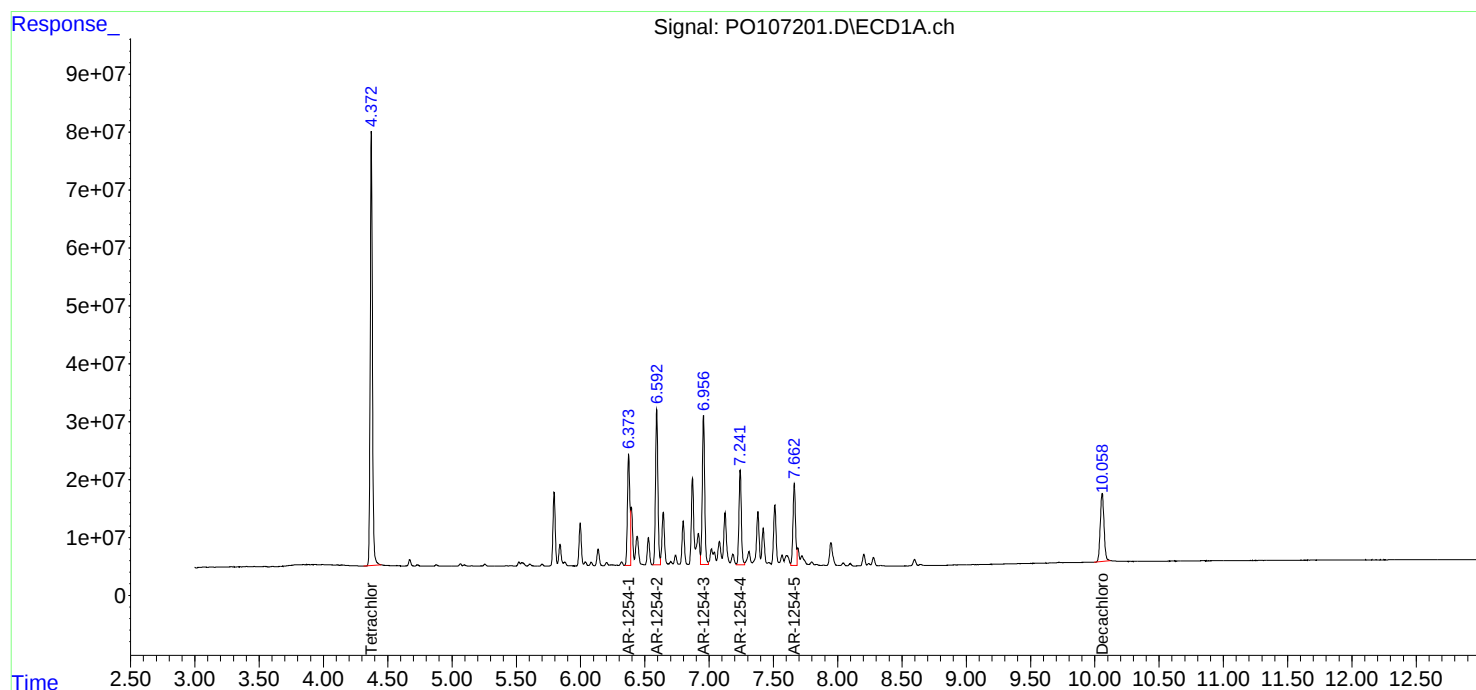
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:35
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:21:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107202.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 23:53
 Operator : YP/AJ
 Sample : AR1254ICC750
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 02:22:23 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:21:05 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...	4.373	3.644	687.3E6	254.8E6	74.839	75.963
2) SA Decachlor...	10.058	8.638	180.1E6	205.4E6	71.810	74.047
Target Compounds						
26) L6 AR-1254-1	6.374	5.526	192.4E6	122.9E6	726.190	742.326
27) L6 AR-1254-2	6.593	5.673	271.2E6	106.7E6	727.100	738.182
28) L6 AR-1254-3	6.957	6.076	259.2E6	173.5E6	728.388	747.327
29) L6 AR-1254-4	7.241	6.303	165.1E6	97687474	726.838	743.858
30) L6 AR-1254-5	7.662	6.721	150.8E6	146.4E6	732.514	749.136

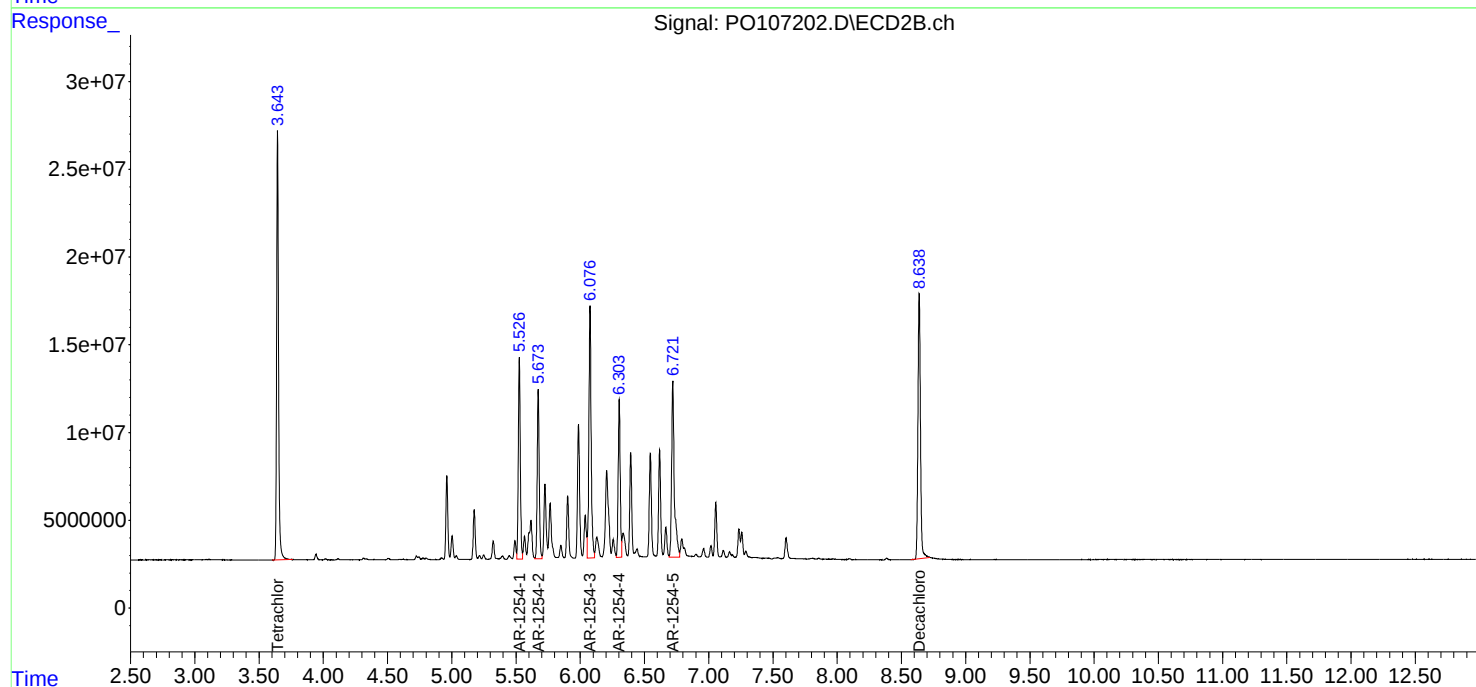
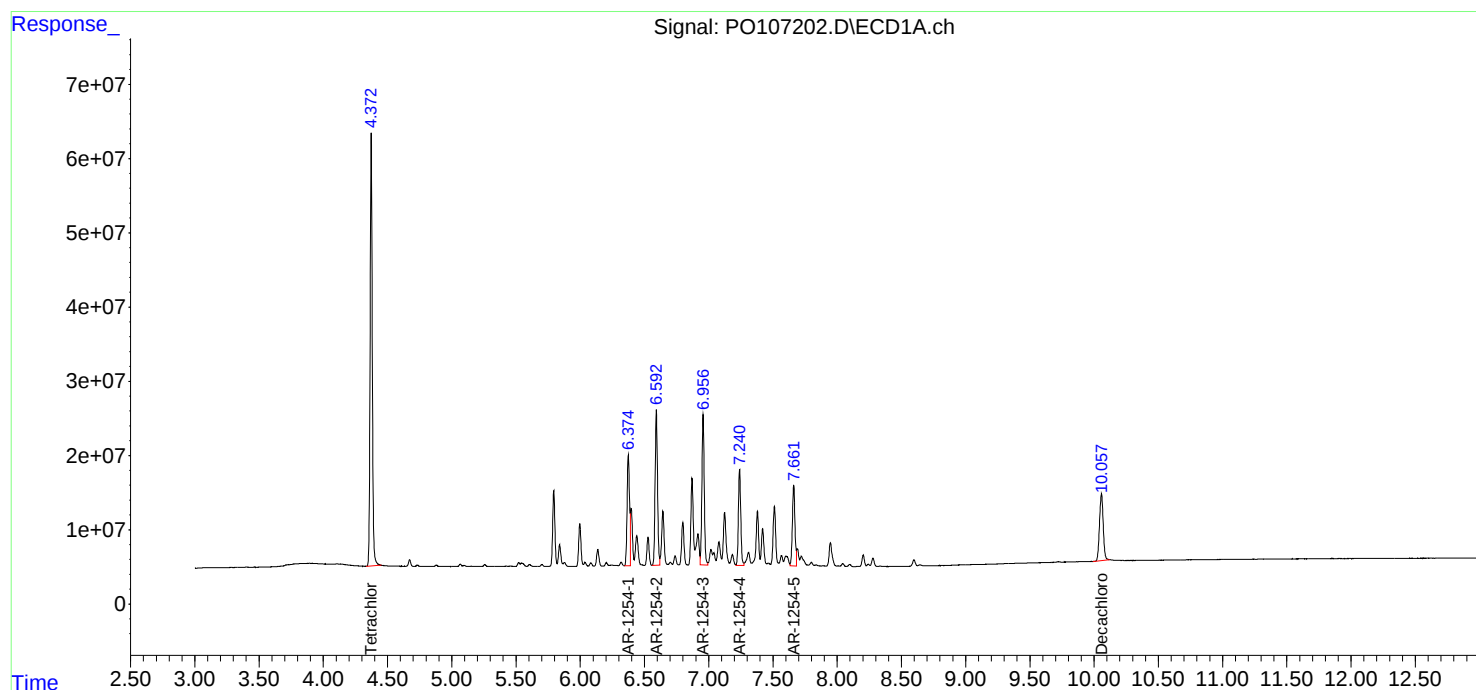
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:53
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:22:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107203.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 00:11
 Operator : YP/AJ
 Sample : AR1254ICC500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 02:22:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:21:05 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...	4.373	3.644	459.2E6	167.7E6	50.000	50.000
2) SA Decachlor...	10.059	8.637	125.4E6	138.7E6	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	6.375	5.526	132.5E6	82774166	500.000	500.000
27) L6 AR-1254-2	6.593	5.673	186.5E6	72273461	500.000	500.000
28) L6 AR-1254-3	6.957	6.077	178.0E6	116.1E6	500.000	500.000
29) L6 AR-1254-4	7.241	6.304	113.6E6	65662675	500.000	500.000
30) L6 AR-1254-5	7.662	6.721	102.9E6	97689052	500.000	500.000

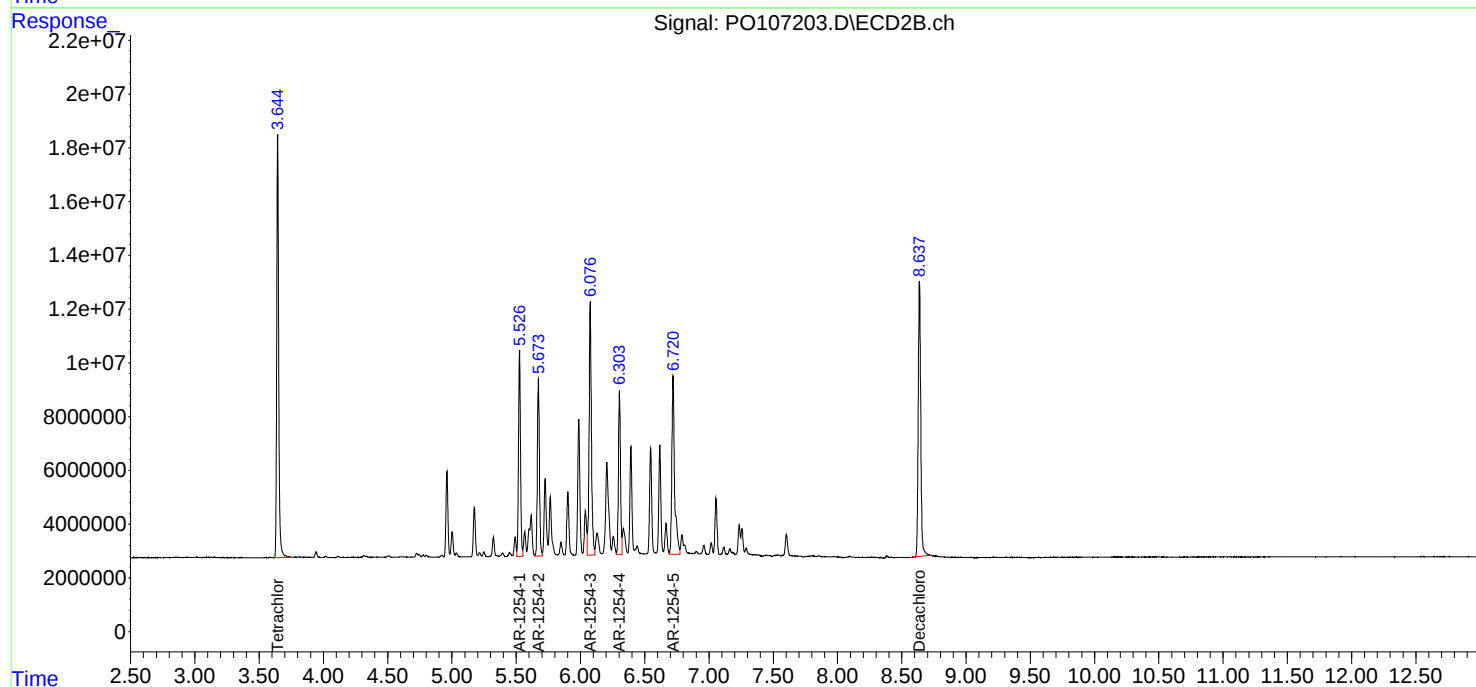
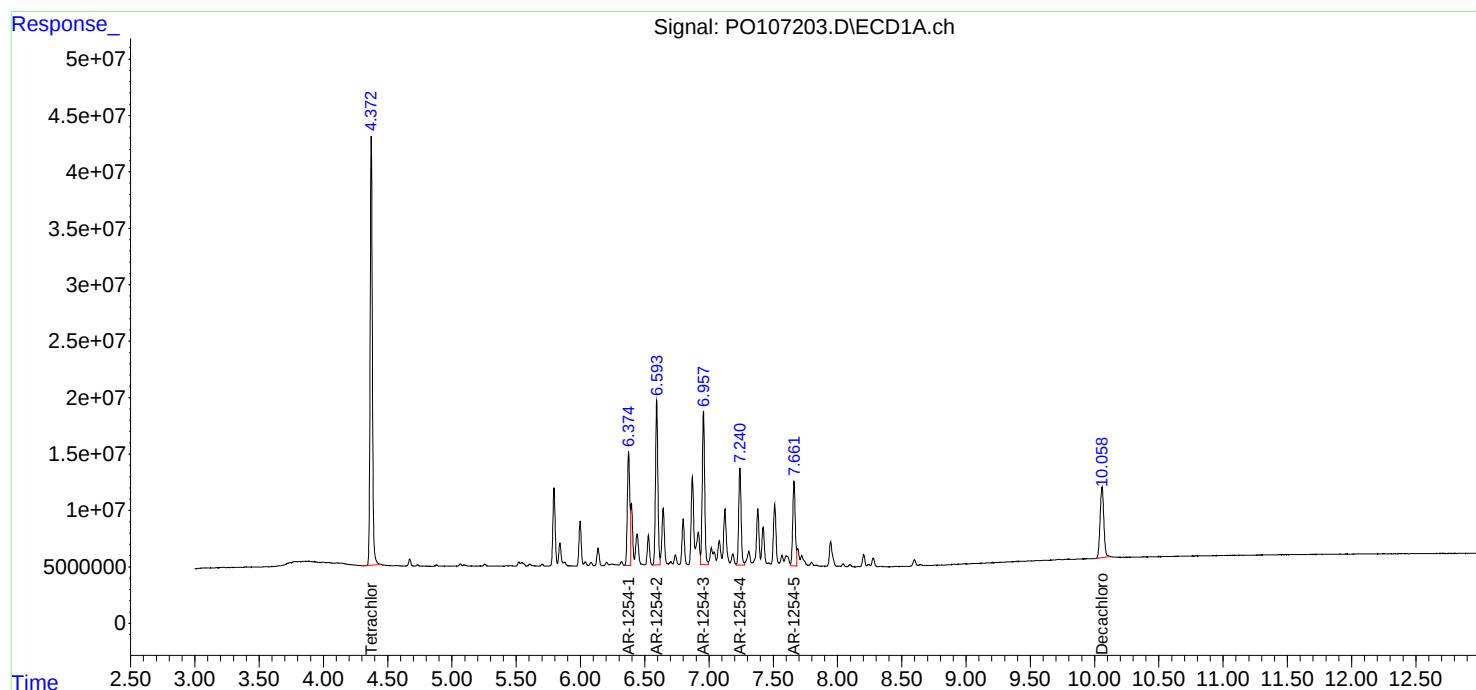
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107203.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:11
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:22:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107204.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 00:29
 Operator : YP/AJ
 Sample : AR1254ICC250
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 02:23:11 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:21:05 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...	4.372	3.644	237.7E6	84055907	25.883	25.060
2) SA Decachlor...	10.058	8.638	65039455	70920394	25.927	25.571
Target Compounds						
26) L6 AR-1254-1	6.374	5.527	71547490	42929426	269.998	259.317
27) L6 AR-1254-2	6.593	5.674	100.3E6	37831493	268.904	261.725
28) L6 AR-1254-3	6.956	6.078	94624615	59643812	265.867	256.849
29) L6 AR-1254-4	7.241	6.305	60632555	33801761	266.883	257.389
30) L6 AR-1254-5	7.662	6.721	55034918	50297216	267.330	257.435

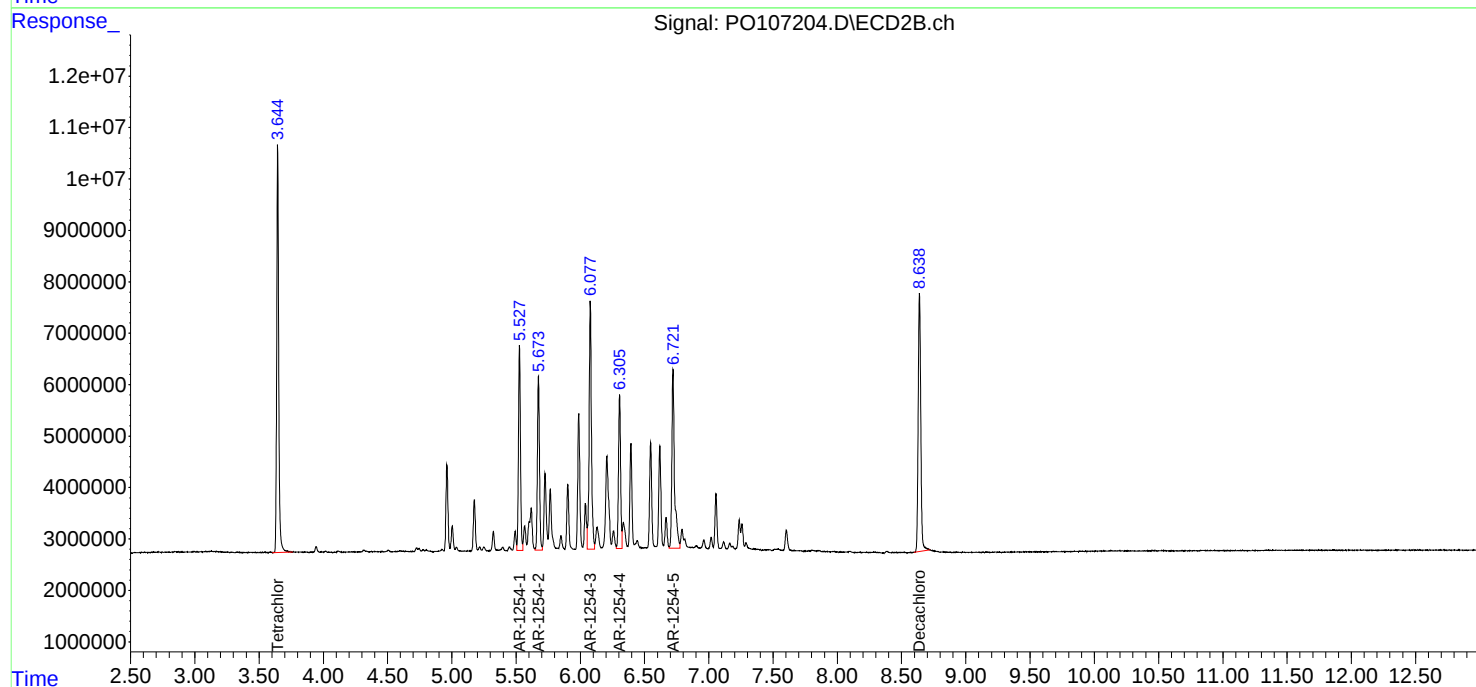
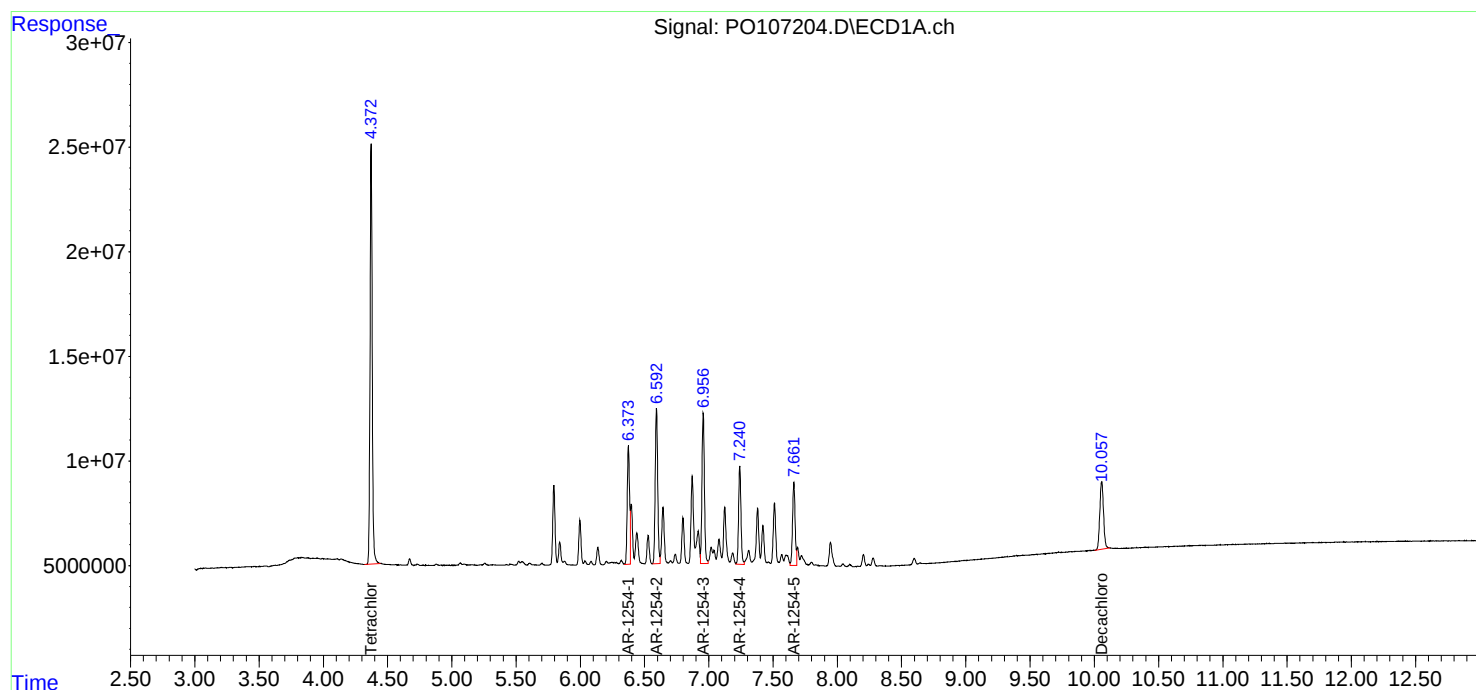
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107204.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:29
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:23:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0101524\
 Data File : P0107205.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 00:47
 Operator : YP/AJ
 Sample : AR1254ICC050
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 02:23:36 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:21:05 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...	4.373	3.645	43957547	14653198	4.786	4.369
2) SA Decachlor...	10.057	8.638	11796837	12993699	4.703	4.685
Target Compounds						
26) L6 AR-1254-1	6.375	5.527	14457853	8148243	54.560	49.220
27) L6 AR-1254-2	6.593	5.674	20149788	7410157	54.016	51.265
28) L6 AR-1254-3	6.956	6.077	18631522	10943354	52.349	47.126
29) L6 AR-1254-4	7.241	6.304	12202348	6104594	53.710	46.485
30) L6 AR-1254-5	7.662	6.721	10827332	8581830	52.593	43.924

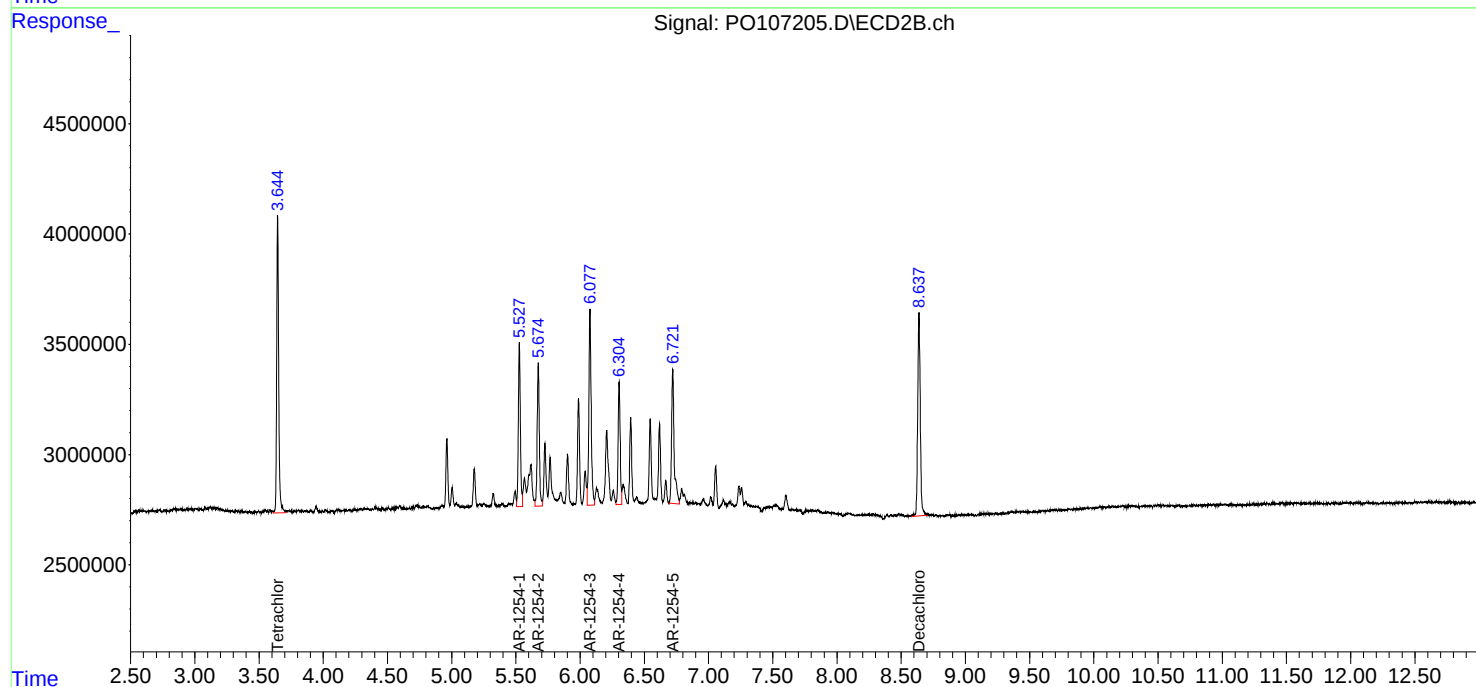
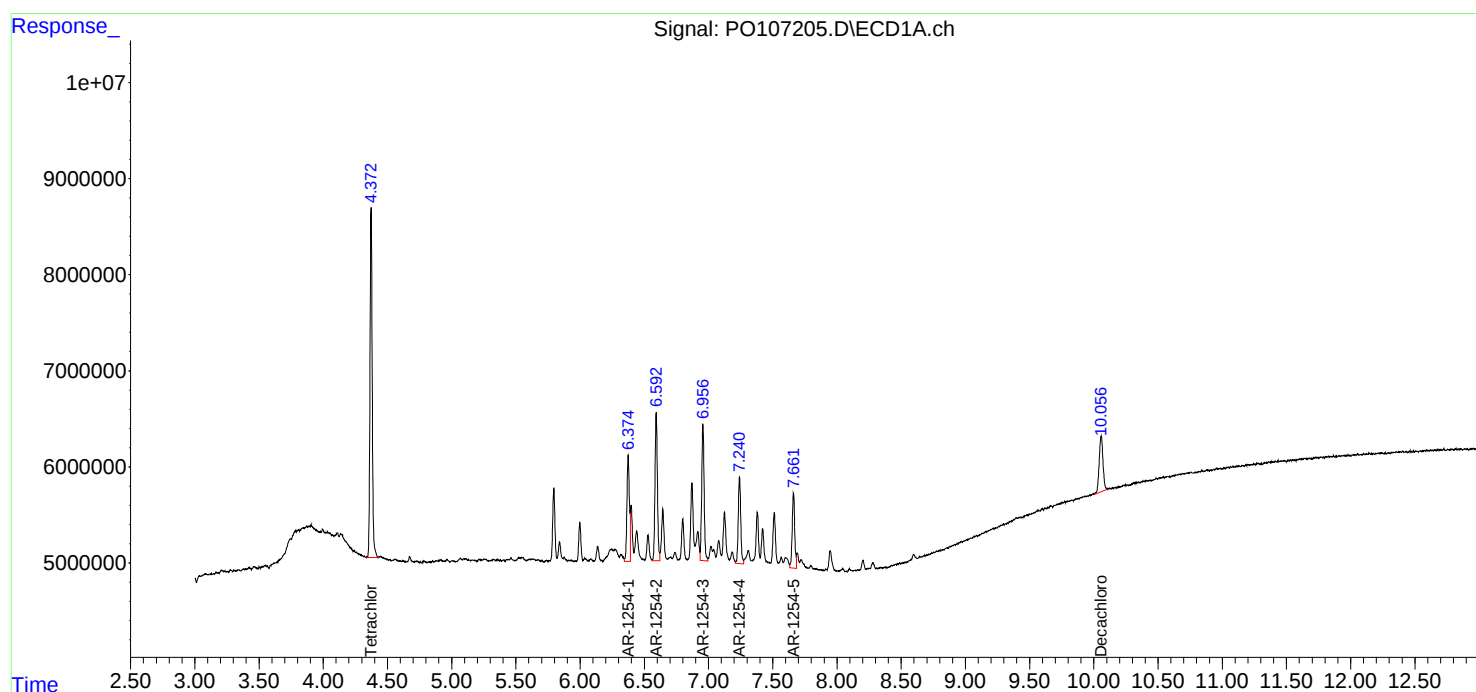
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107205.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:47
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:23:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 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_O\Data\P0101524\
 Data File : P0107206.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 01:05
 Operator : YP/AJ
 Sample : AR1262ICC500
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1262ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 02:32:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:31:54 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...	4.372	3.644	446.6E6	163.0E6	50.000	50.000
2) SA Decachlor...	10.059	8.638	123.1E6	135.8E6	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	7.742	6.759	122.8E6	106.4E6	500.000	500.000
37) L8 AR-1262-2	8.279	7.258	154.7E6	181.7E6	500.000	500.000
38) L8 AR-1262-3	8.592	7.541	104.6E6	68691960	500.000	500.000
39) L8 AR-1262-4	8.677	7.605	81533074	132.3E6	500.000	500.000
40) L8 AR-1262-5	9.315	8.096	51381891	56416259	500.000	500.000

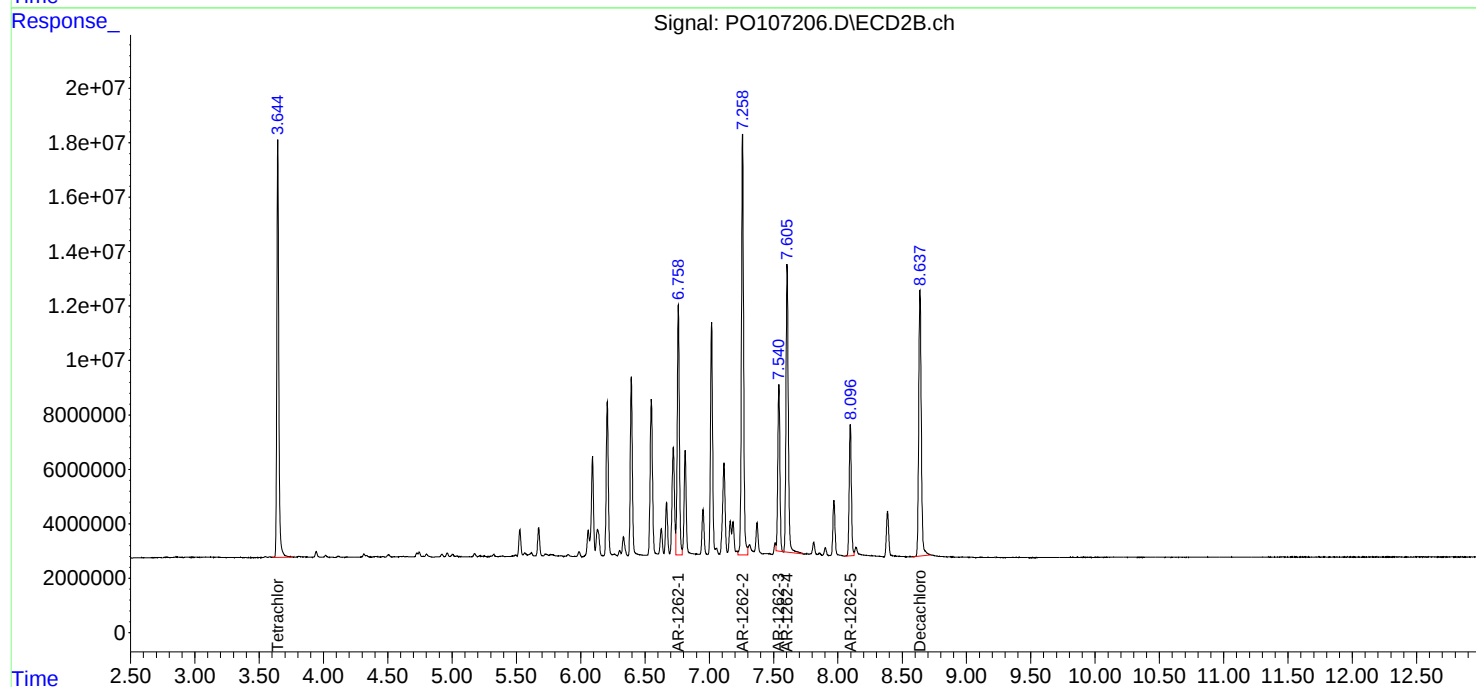
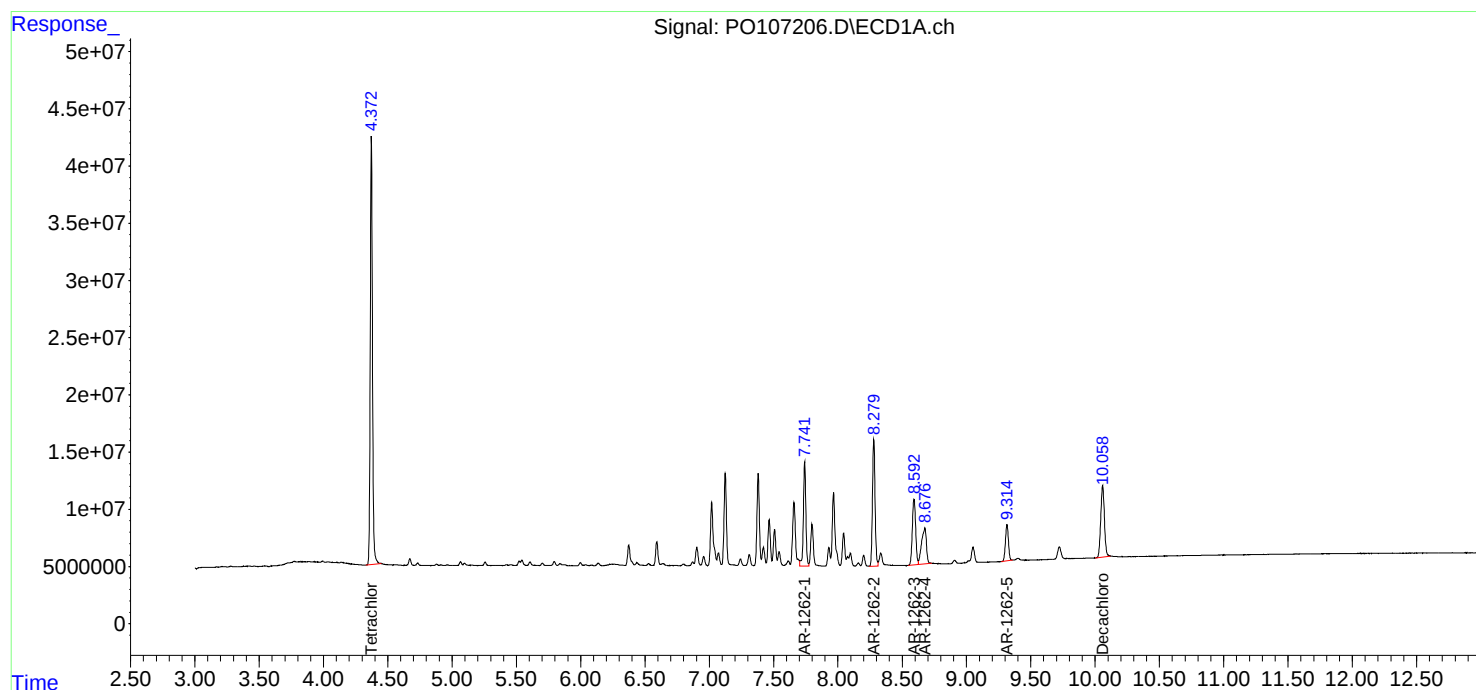
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107206.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:05
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:32:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:31:54 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_O\Data\P0101524\
 Data File : P0107207.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 01:23
 Operator : YP/AJ
 Sample : AR1268ICC1000
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 02:40:02 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:38:17 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...	4.373	3.645	914.0E6	344.0E6	98.153	100.708
2) SA Decachlor...	10.057	8.639	407.4E6	487.4E6	96.045	101.044
Target Compounds						
41) L9 AR-1268-1	8.587	7.541	351.9E6	419.2E6	965.004	1012.873
42) L9 AR-1268-2	8.679	7.606	313.1E6	389.7E6	963.780	1016.048
43) L9 AR-1268-3	8.907	7.812	272.2E6	345.3E6	963.260	1016.931
44) L9 AR-1268-4	9.313	8.097	112.2E6	129.1E6	978.396	1014.319
45) L9 AR-1268-5	9.721	8.386	836.7E6	1049.2E6	987.735	1031.617

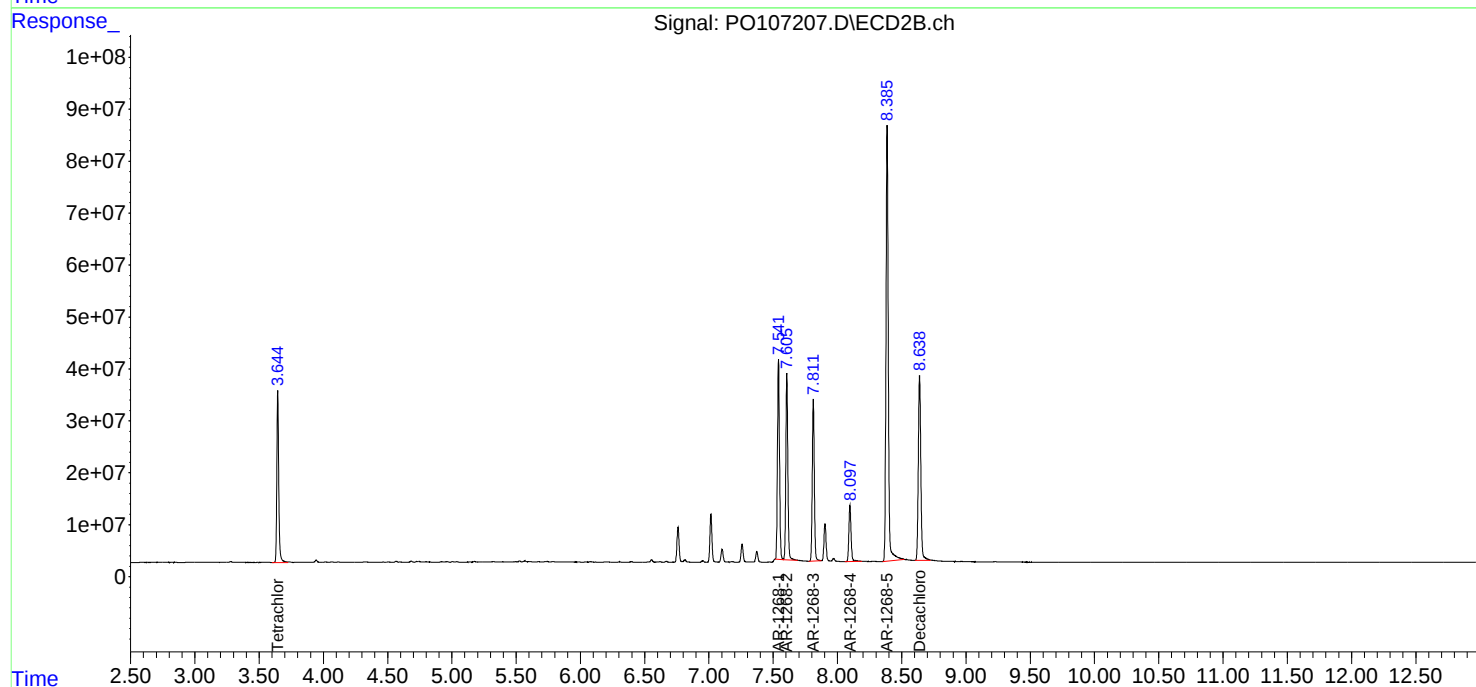
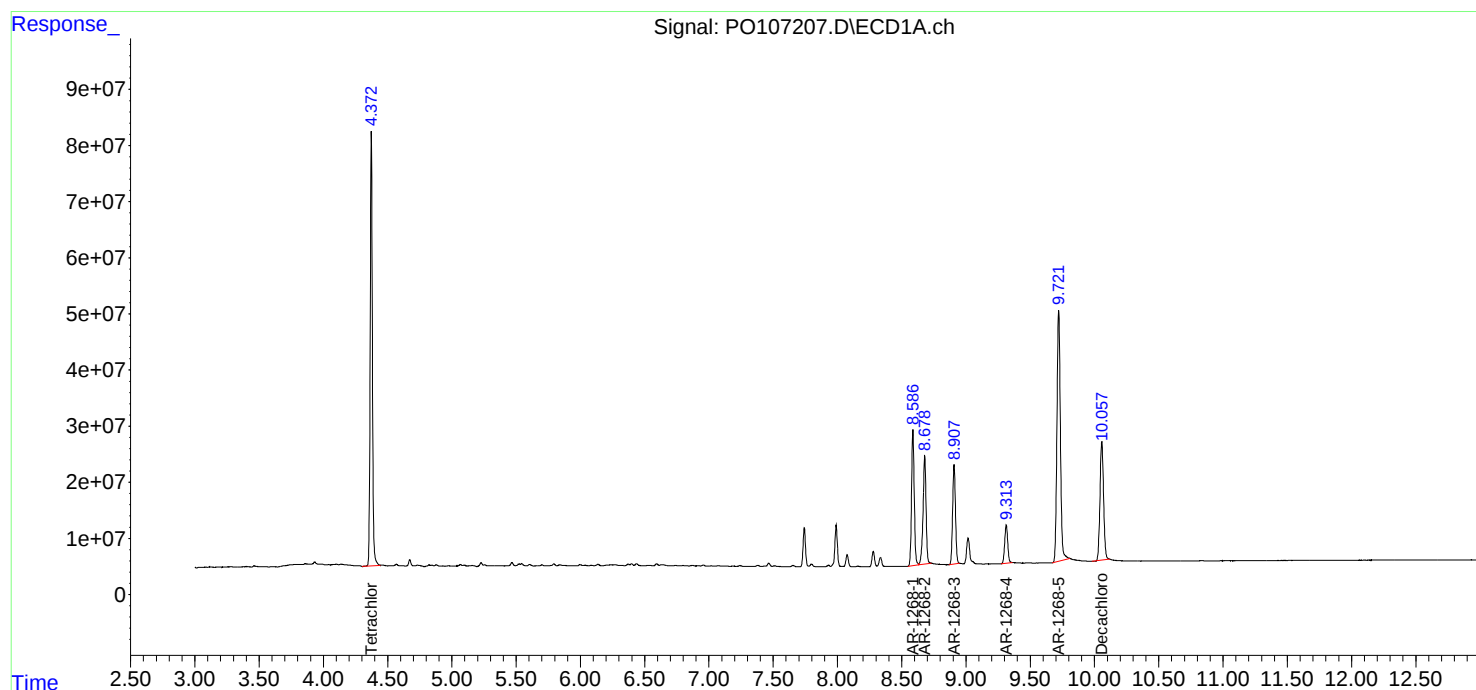
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107207.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:23
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:40:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 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_O\Data\P0101524\
 Data File : P0107208.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 01:41
 Operator : YP/AJ
 Sample : AR1268ICC750
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 02:40:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:38:17 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...	4.373	3.644	670.2E6	249.7E6	71.974	73.105
2) SA Decachlor...	10.058	8.638	310.2E6	355.5E6	73.131	73.693
Target Compounds						
41) L9 AR-1268-1	8.587	7.541	264.3E6	307.5E6	724.887	742.983
42) L9 AR-1268-2	8.678	7.605	235.9E6	285.1E6	726.056	743.309
43) L9 AR-1268-3	8.908	7.812	204.6E6	253.4E6	723.835	746.228
44) L9 AR-1268-4	9.312	8.096	83445833	95583754	727.421	750.941
45) L9 AR-1268-5	9.722	8.386	624.8E6	764.5E6	737.635	751.645

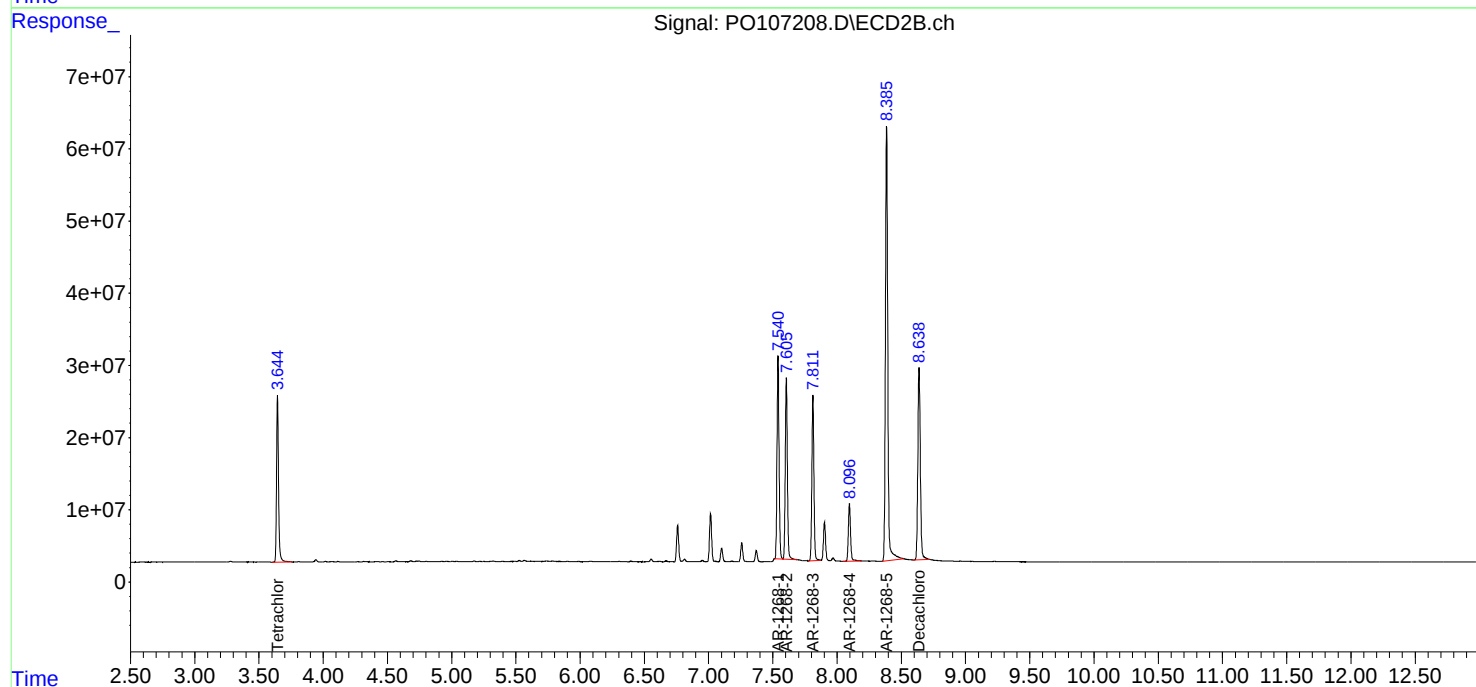
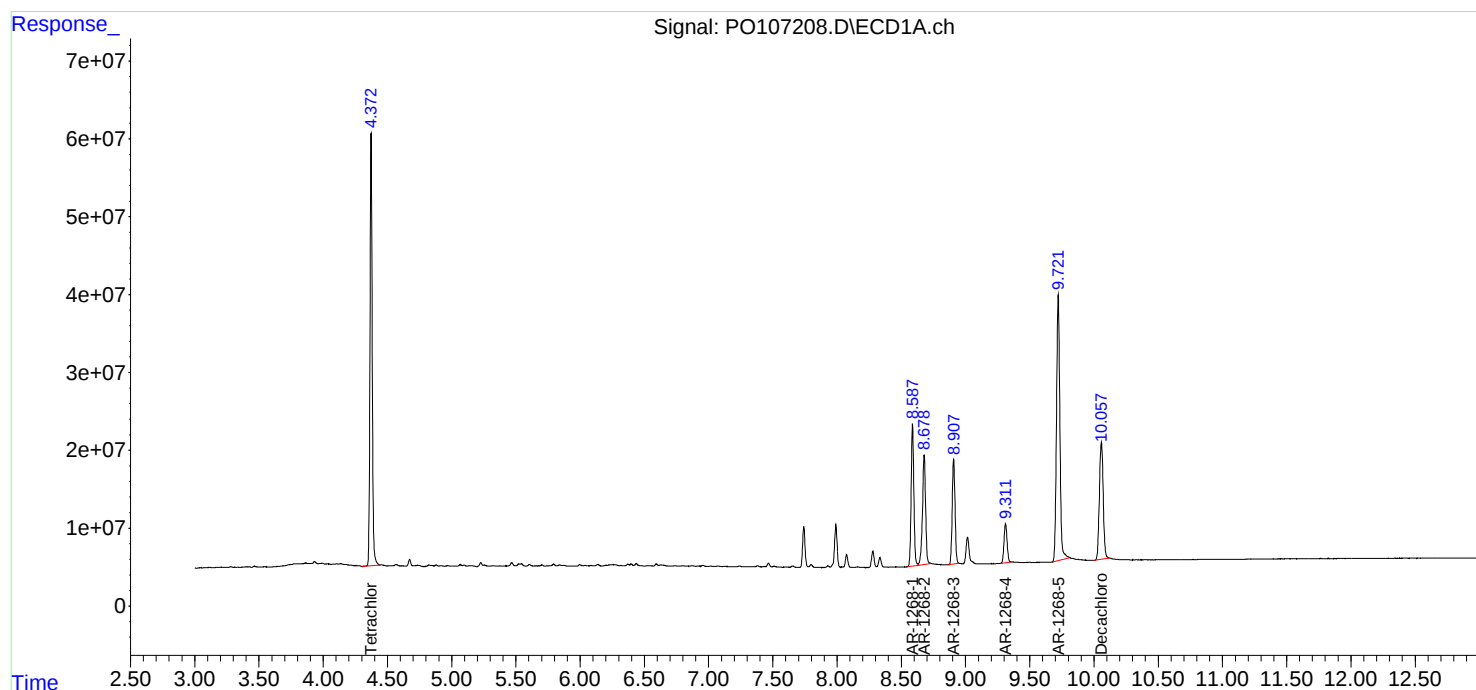
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107208.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:41
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:40:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 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_O\Data\P0101524\
 Data File : P0107209.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 01:59
 Operator : YP/AJ
 Sample : AR1268ICC500
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 02:40:49 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:38:17 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...	4.373	3.645	465.6E6	170.8E6	50.000	50.000
2) SA Decachlor...	10.057	8.637	212.1E6	241.2E6	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	8.587	7.541	182.3E6	206.9E6	500.000	500.000
42) L9 AR-1268-2	8.678	7.605	162.4E6	191.8E6	500.000	500.000
43) L9 AR-1268-3	8.907	7.811	141.3E6	169.8E6	500.000	500.000
44) L9 AR-1268-4	9.312	8.096	57357297	63642681	500.000	500.000
45) L9 AR-1268-5	9.721	8.385	423.5E6	508.5E6	500.000	500.000

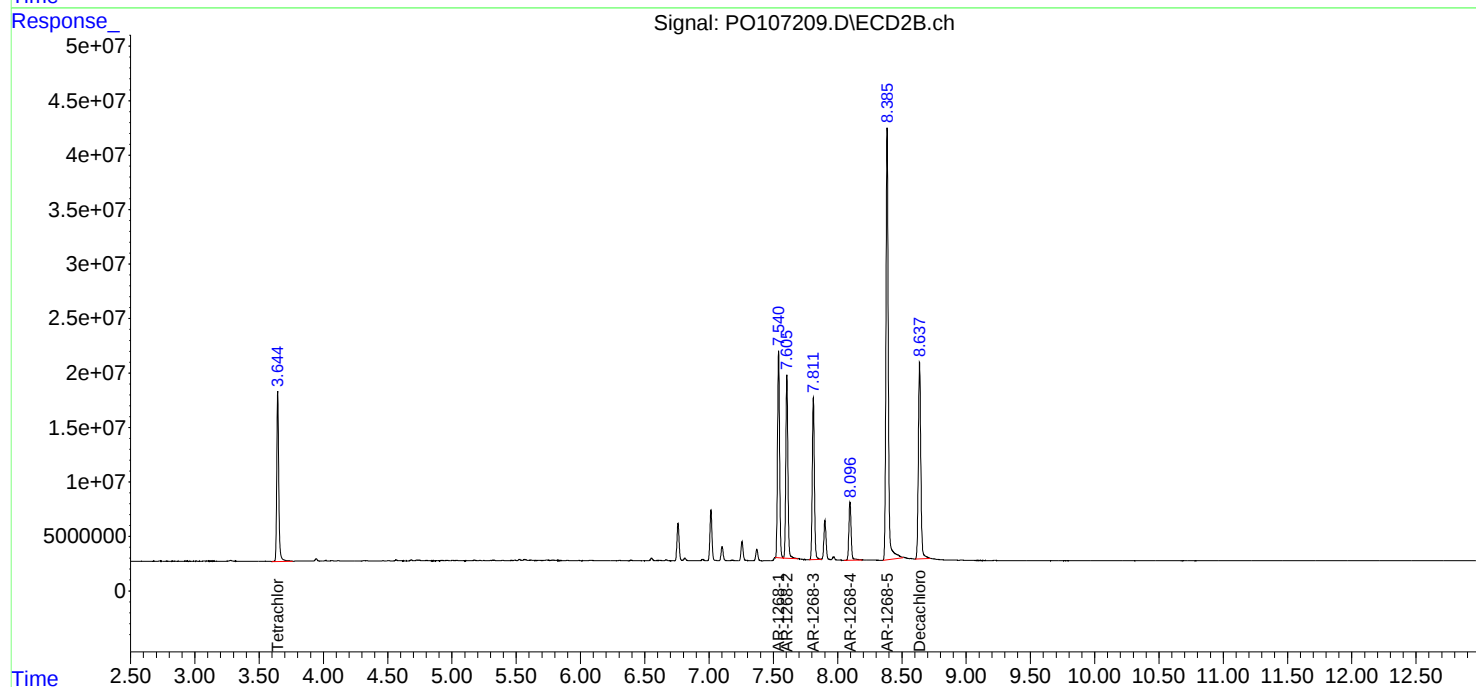
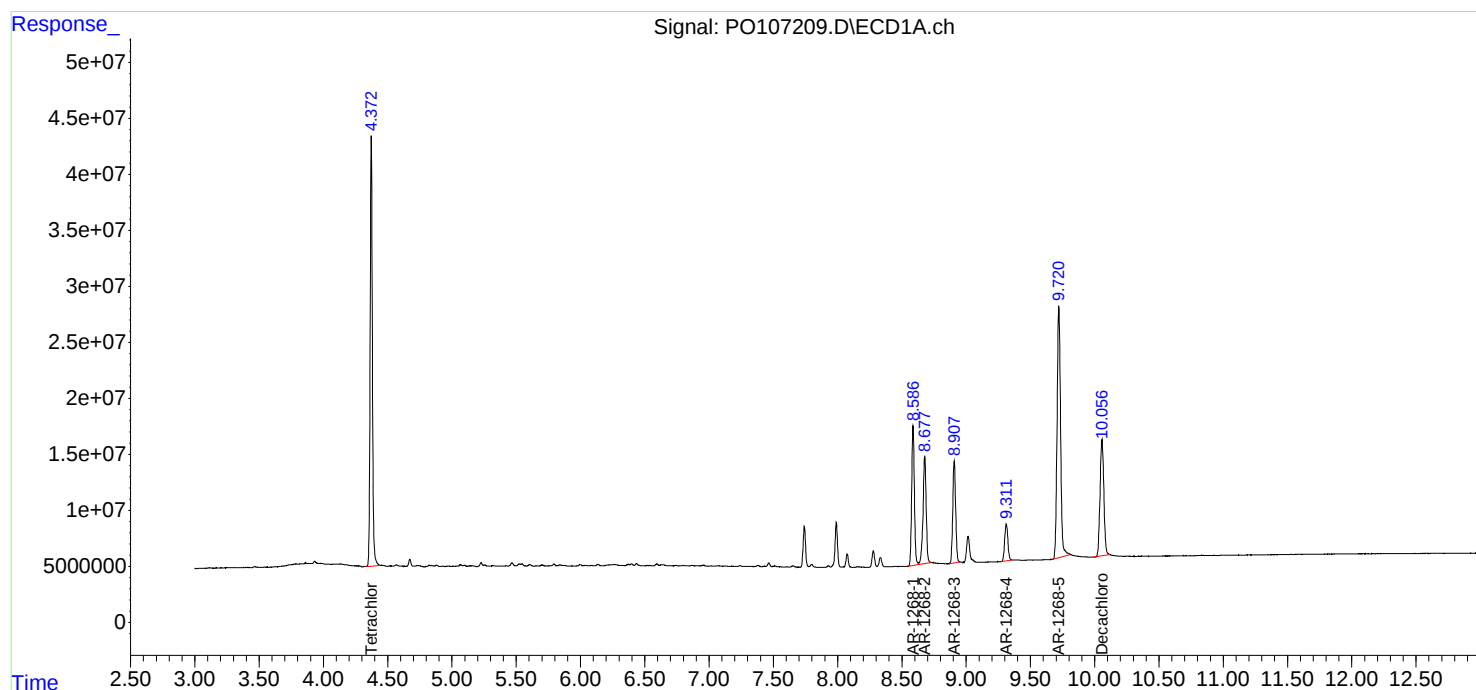
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107209.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:59
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:40:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 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_O\Data\P0101524\
 Data File : P0107210.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 02:18
 Operator : YP/AJ
 Sample : AR1268ICC250
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 04:21:55 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:38:17 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...	4.373	3.644	237.4E6	83283643	25.493	24.380
2) SA Decachlor...	10.058	8.638	110.0E6	122.3E6	25.930	25.345
Target Compounds						
41) L9 AR-1268-1	8.588	7.541	95440132	102.7E6	261.750	248.179
42) L9 AR-1268-2	8.679	7.606	84909424	94674968	261.370	246.859
43) L9 AR-1268-3	8.908	7.812	73384675	84688940	259.658	249.426
44) L9 AR-1268-4	9.314	8.097	29107021	32315199	253.734	253.880
45) L9 AR-1268-5	9.721	8.386	216.1E6	249.1E6	255.104	244.896

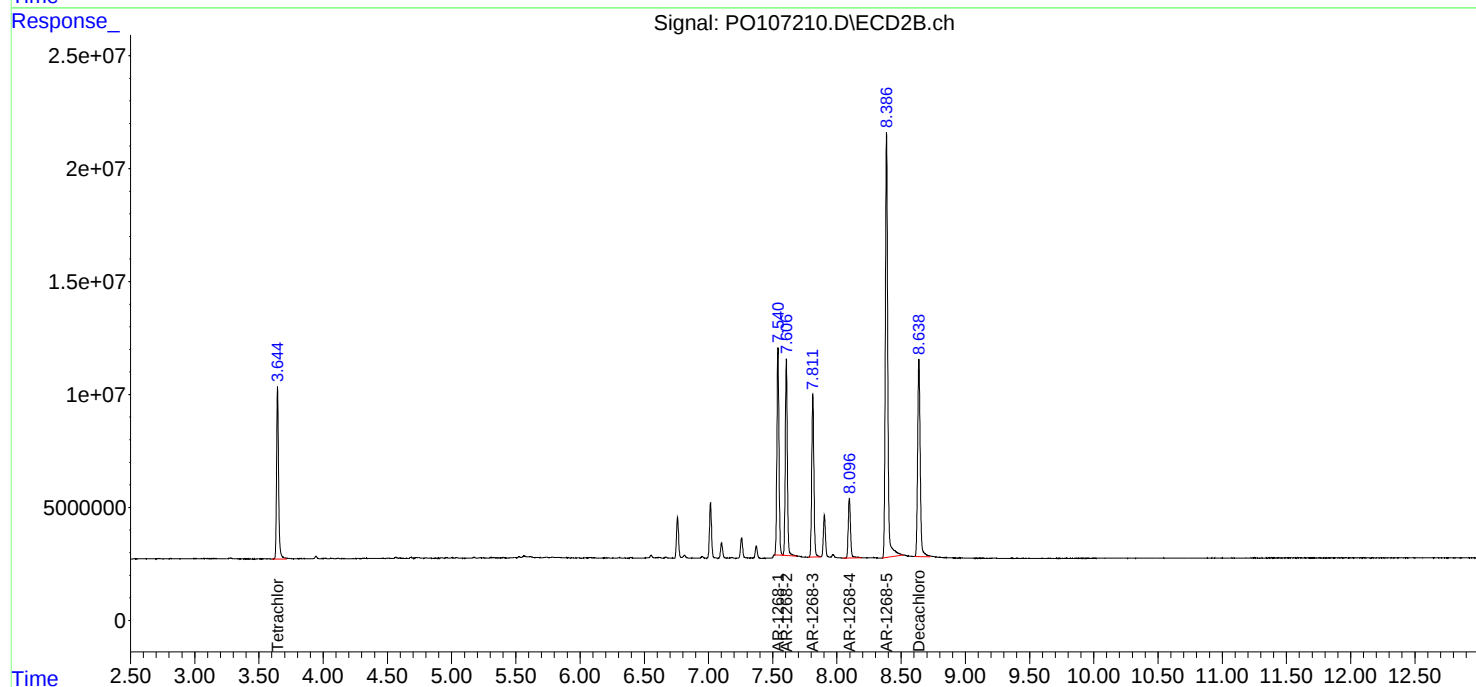
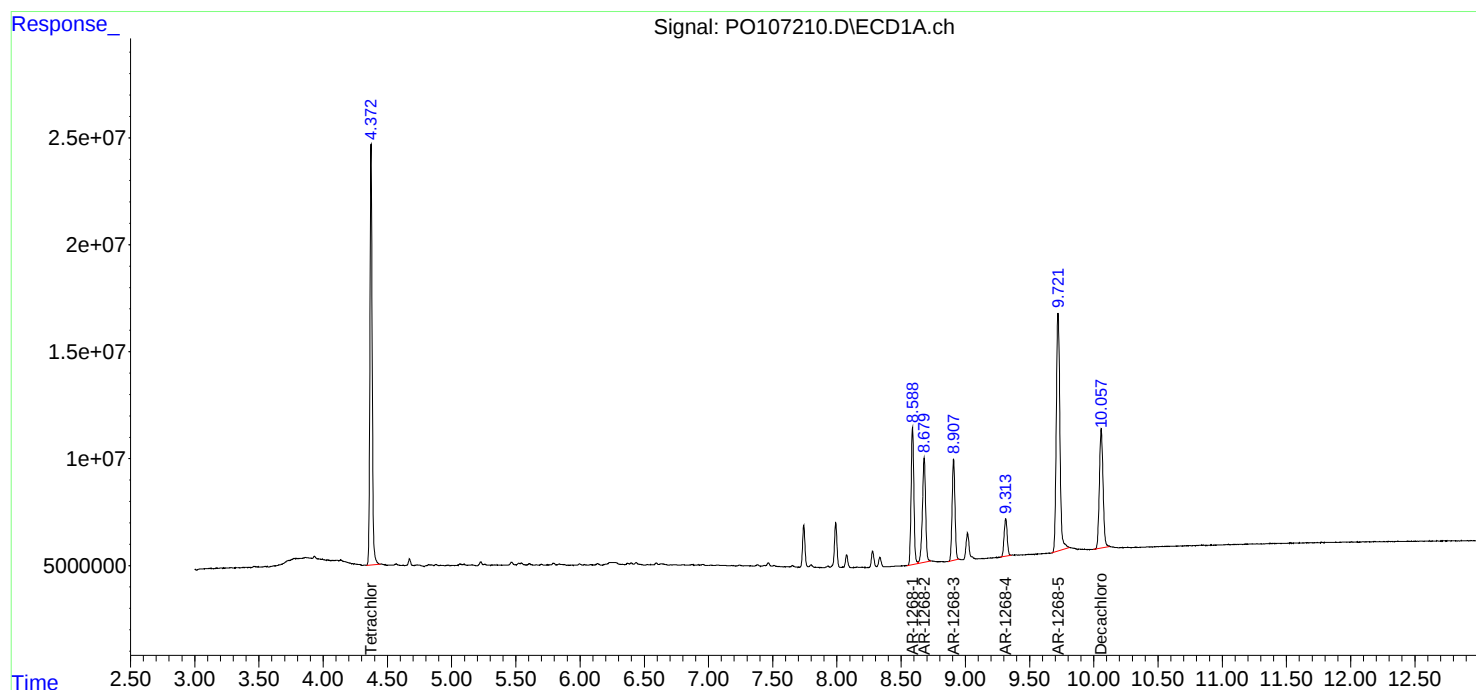
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107210.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:18
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:21:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 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_O\Data\P0101524\
 Data File : P0107211.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 02:36
 Operator : YP/AJ
 Sample : AR1268ICC050
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/16/2024
 Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 04:22:18 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:38:17 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...	4.373	3.645	44759505	14819032	4.807	4.338
2) SA Decachlor...	10.056	8.638	20020423	22152727	4.720	4.593
Target Compounds						
41) L9 AR-1268-1	8.587	7.541	18469024	18447765	50.652m	44.575
42) L9 AR-1268-2	8.679	7.606	16014978	16717280	49.298	43.589
43) L9 AR-1268-3	8.908	7.811	13783097	15350219	48.769	45.209
44) L9 AR-1268-4	9.314	8.097	5072917	5687474	44.222	44.683
45) L9 AR-1268-5	9.723	8.385	39053378	42842014	46.104	42.123

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107211.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:36
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

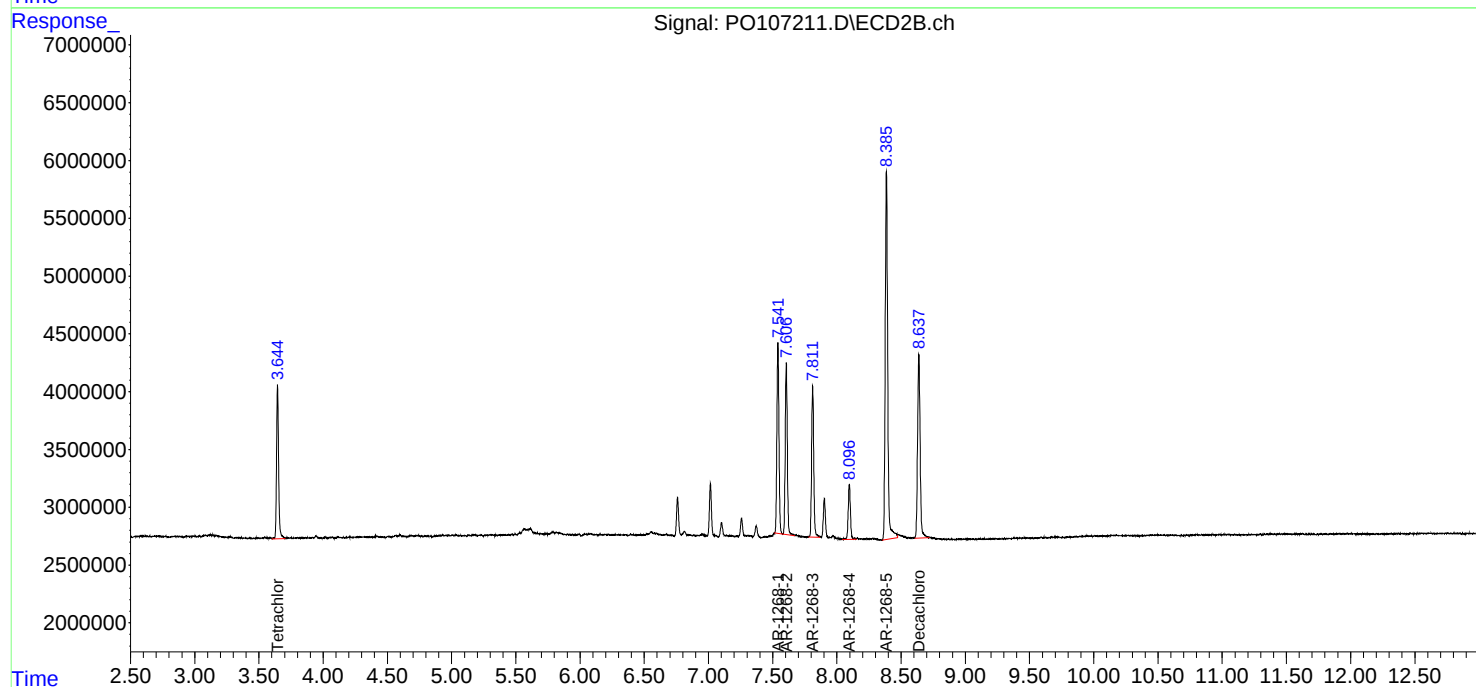
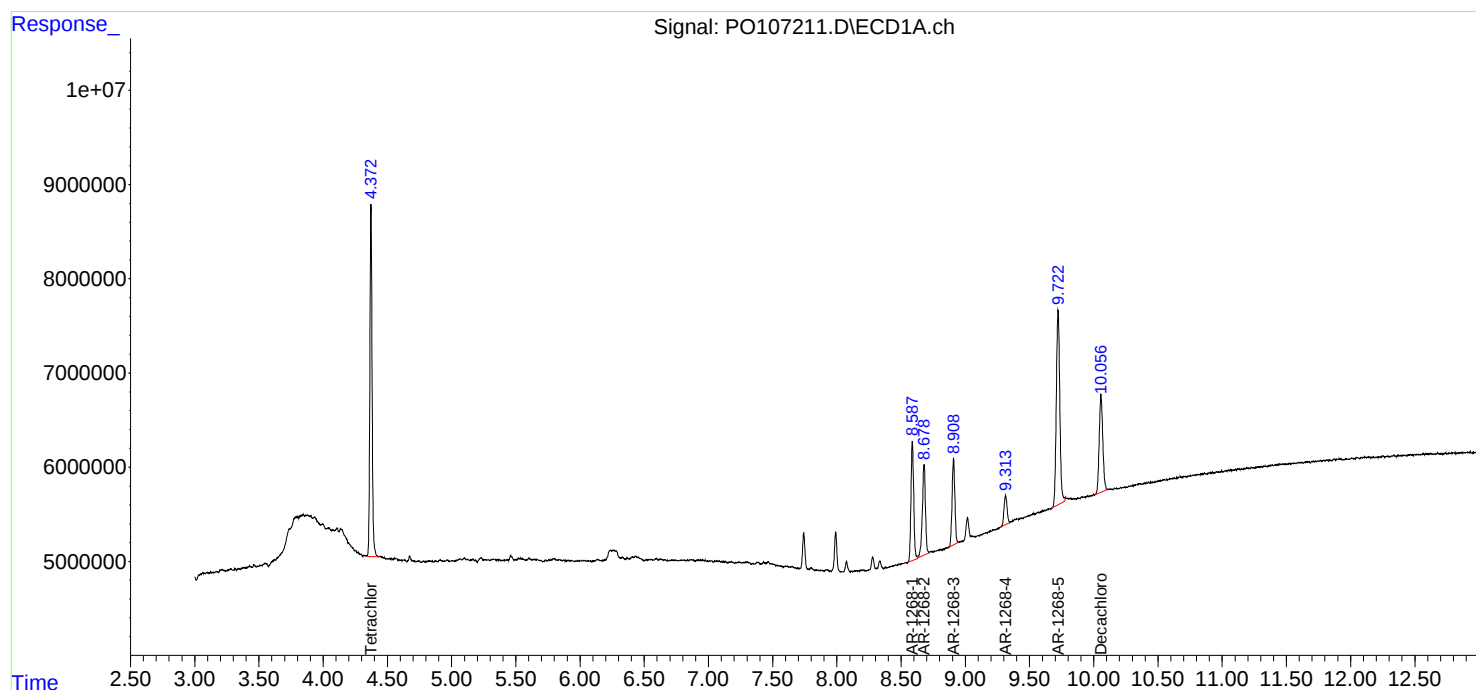
Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:22:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 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_O\Data\P0101524\
 Data File : P0107212.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 02:54
 Operator : YP/AJ
 Sample : P0101524ICV500
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO101524

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 04:33:26 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:32:43 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...	4.372	3.644	465.3E6	164.4E6	51.058	51.086
2) SA Decachlor...	10.056	8.638	123.9E6	136.1E6	50.497	49.626
Target Compounds						
3) L1 AR-1016-1	5.521	4.726	134.9E6	51843655	500.111	502.042
4) L1 AR-1016-2	5.543	4.745	197.8E6	72270469	498.259	512.674
5) L1 AR-1016-3	5.606	4.920	128.2E6	39765886	510.233	504.992
6) L1 AR-1016-4	5.702	4.962	100.3E6	33242228	520.863	502.845
7) L1 AR-1016-5	5.997	5.175	96027789	42039253	525.737	511.838
31) L7 AR-1260-1	7.123	6.207	127.8E6	78048903	494.246	503.040
32) L7 AR-1260-2	7.380	6.394	129.5E6	92023271	492.099	522.516
33) L7 AR-1260-3	7.741	6.547	88394667	86099269	491.778	513.265
34) L7 AR-1260-4	7.966	7.018	84877632	73152631	483.623	505.614
35) L7 AR-1260-5	8.279	7.258	138.1E6	168.0E6	485.508	510.033

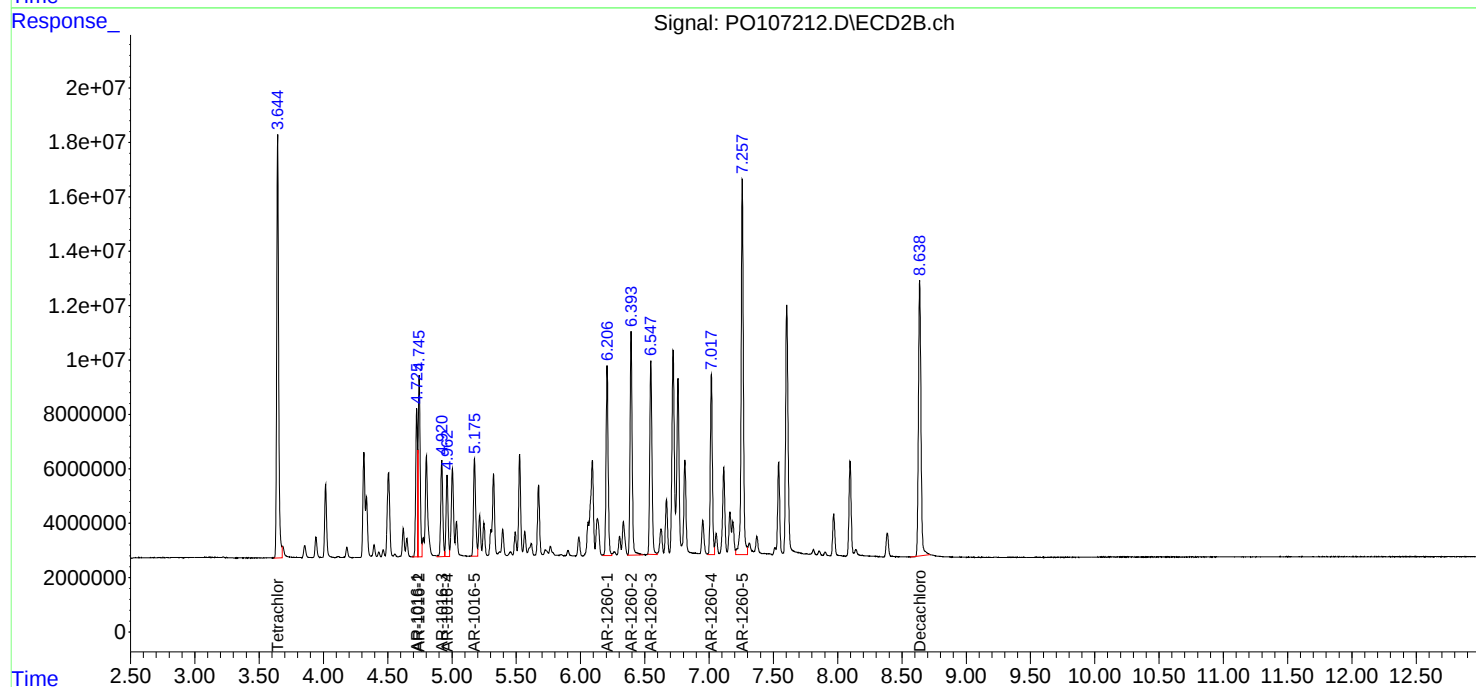
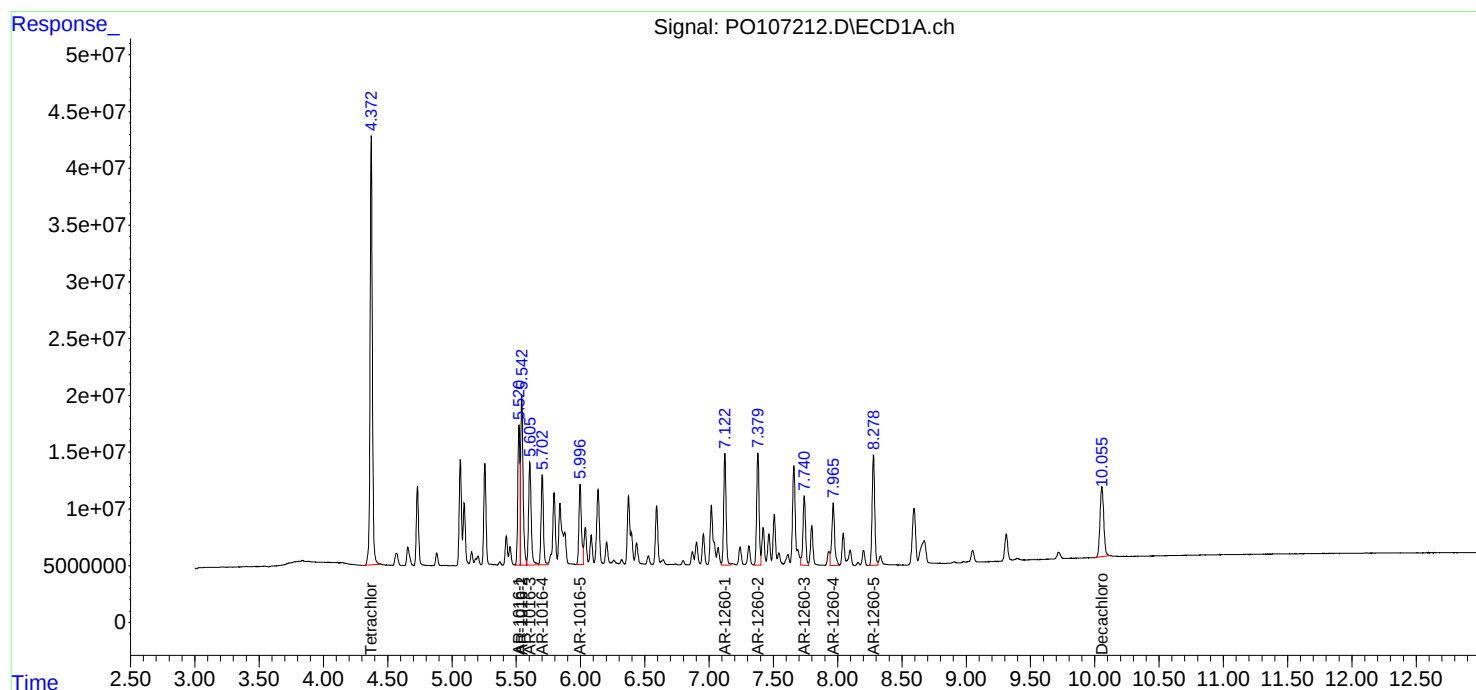
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107212.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:54
Operator : YP/AJ
Sample : PO101524ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO101524

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:33:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:32:43 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_O\Data\P0101524\
 Data File : P0107213.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 03:12
 Operator : YP/AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO101524AR1242

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 04:37:09 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:36:18 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...	4.373	3.644	462.5E6	169.0E6	51.003	52.312
2) SA Decachlor...	10.058	8.637	124.4E6	137.6E6	50.838	50.298
Target Compounds						
16) L4 AR-1242-1	5.522	4.726	112.5E6	42391283	503.251	506.204
17) L4 AR-1242-2	5.544	4.745	161.7E6	59212746	499.677	512.049
18) L4 AR-1242-3	5.606	4.921	104.8E6	32647360	501.419	514.673
19) L4 AR-1242-4	5.703	5.004	80827975	32698937	505.157	510.527
20) L4 AR-1242-5	6.436	5.526	77500840	39282831	495.270	506.721

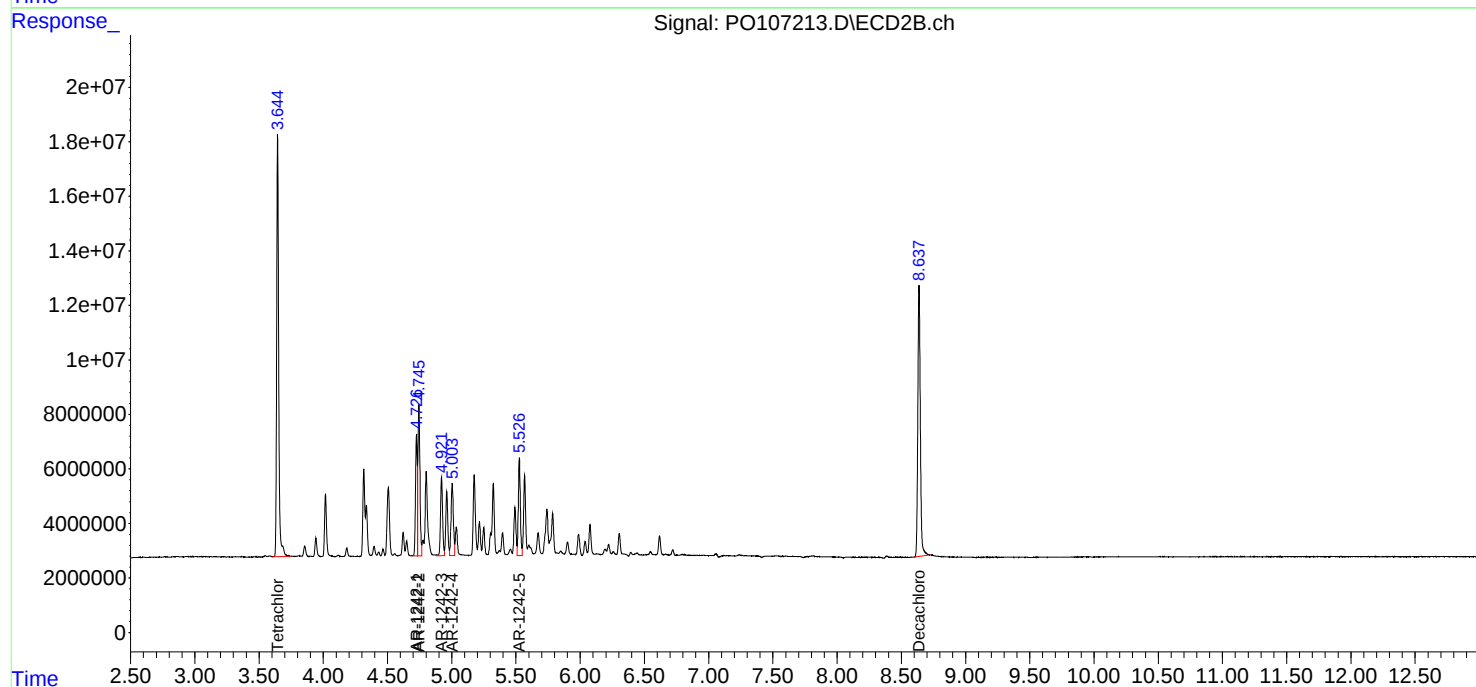
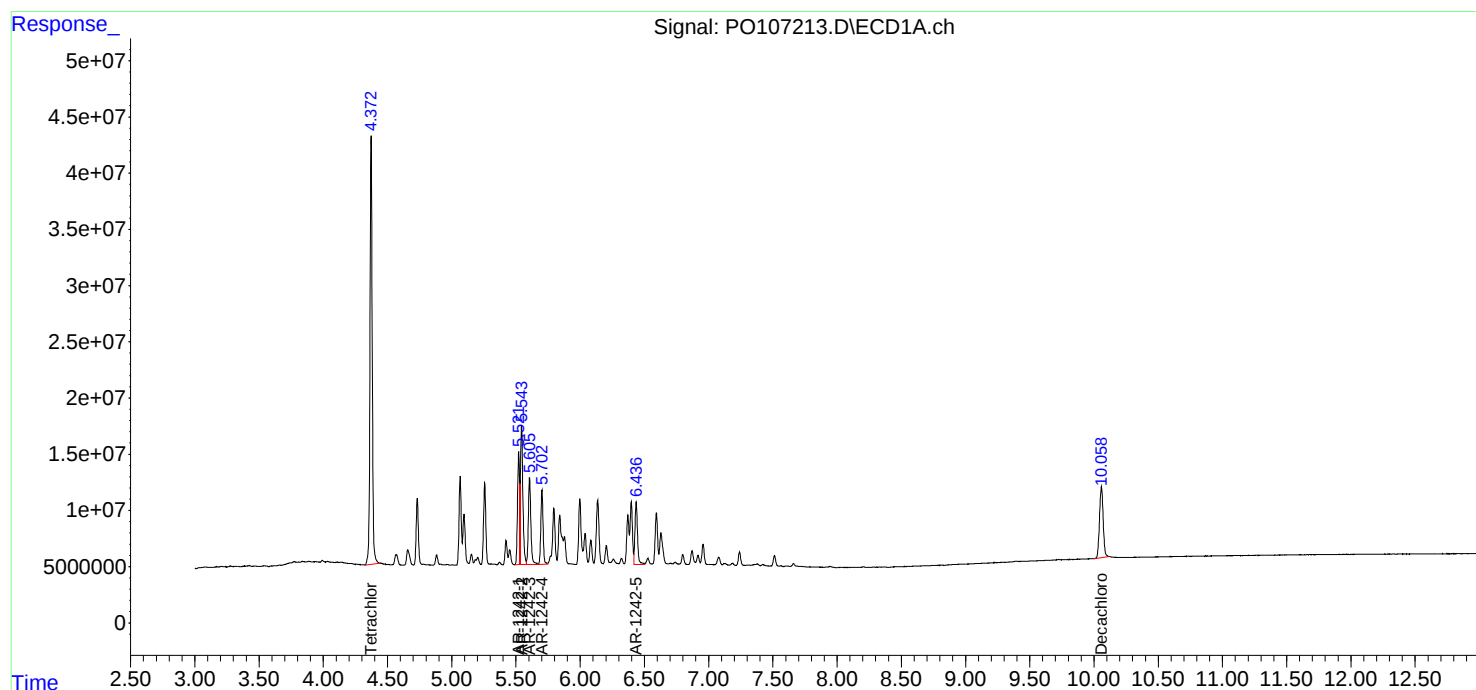
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107213.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:12
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:37:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:36:18 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_O\Data\P0101524\
 Data File : P0107214.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 03:30
 Operator : YP/AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO101524AR1248

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 04:41:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:40:31 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...	4.372	3.644	468.2E6	171.8E6	51.242	52.316
2) SA Decachlor...	10.056	8.637	126.4E6	139.3E6	51.882	50.991
Target Compounds						
21) L5 AR-1248-1	5.521	4.726	87306267	32470217	502.117	511.816
22) L5 AR-1248-2	5.794	4.962	126.0E6	46450269	498.018	507.736
23) L5 AR-1248-3	5.997	5.004	130.0E6	48736000	508.271	510.896
24) L5 AR-1248-4	6.397	5.175	129.0E6	57212370	500.494	510.195
25) L5 AR-1248-5	6.436	5.567	130.2E6	54714064	500.737	496.185

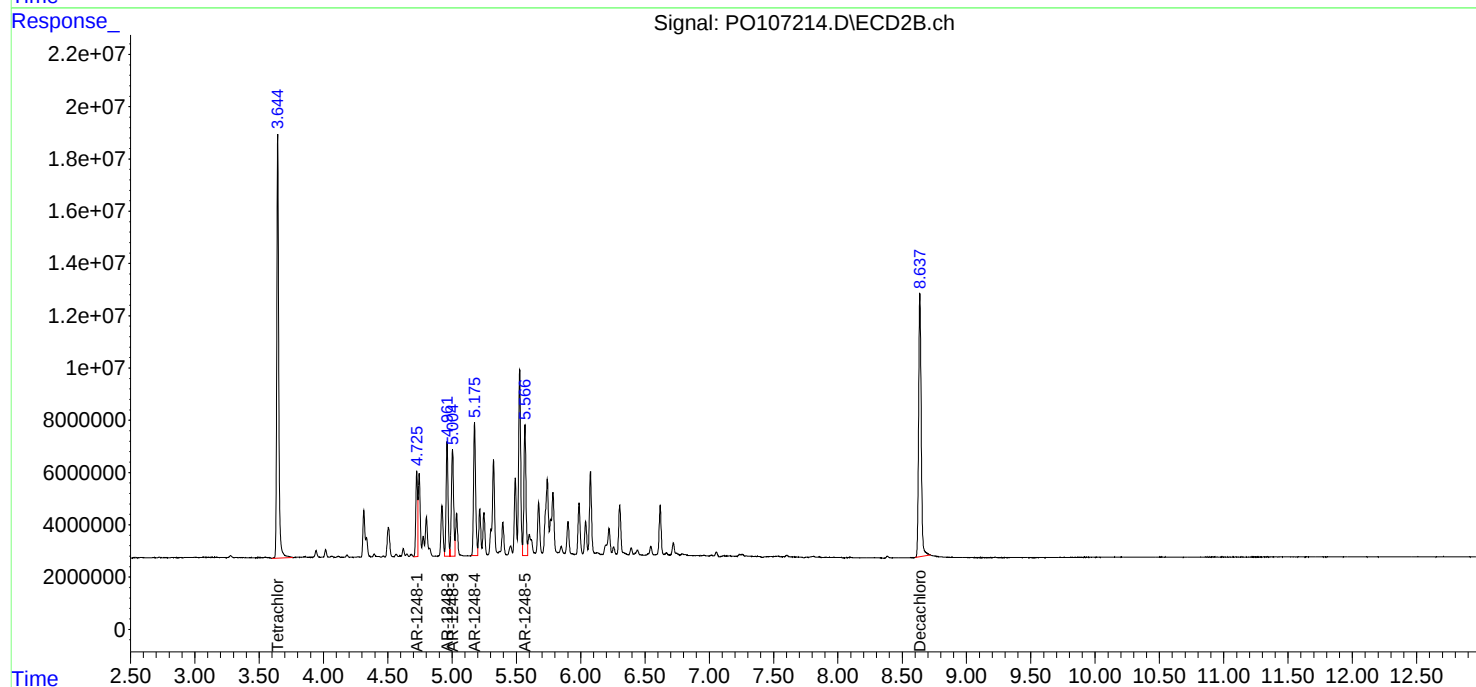
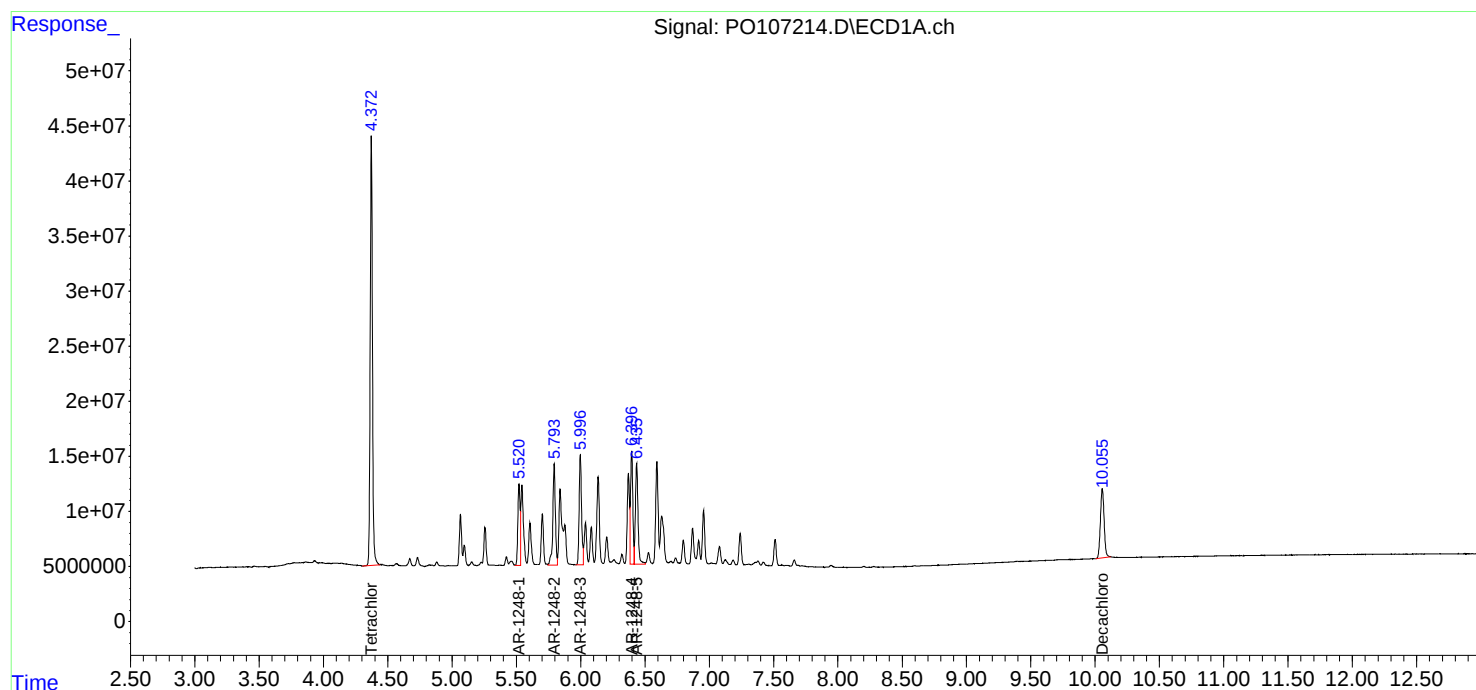
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107214.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:30
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:41:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:40:31 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_O\Data\P0101524\
 Data File : P0107215.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 03:48
 Operator : YP/AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO101524AR1254

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 04:44:55 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:44:14 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...	4.372	3.644	461.3E6	168.2E6	50.657	51.320
2) SA Decachlor...	10.057	8.638	125.1E6	138.4E6	51.131	50.597
Target Compounds						
26) L6 AR-1254-1	6.374	5.527	132.5E6	83096071	492.928	504.260
27) L6 AR-1254-2	6.592	5.673	186.6E6	72524753	494.424	500.299
28) L6 AR-1254-3	6.956	6.077	177.6E6	116.6E6	496.443	508.012
29) L6 AR-1254-4	7.242	6.304	112.6E6	65655140	490.851	507.289
30) L6 AR-1254-5	7.661	6.722	102.5E6	98535916	493.779	515.754

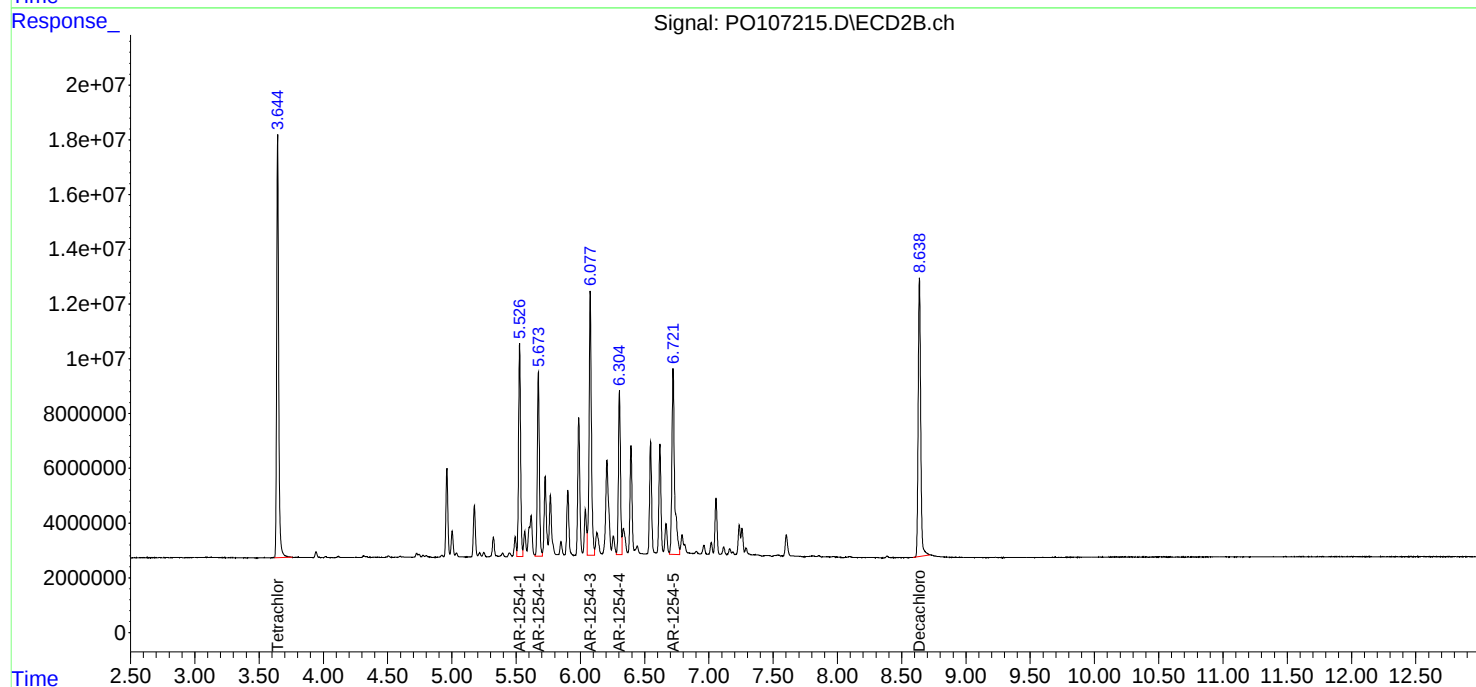
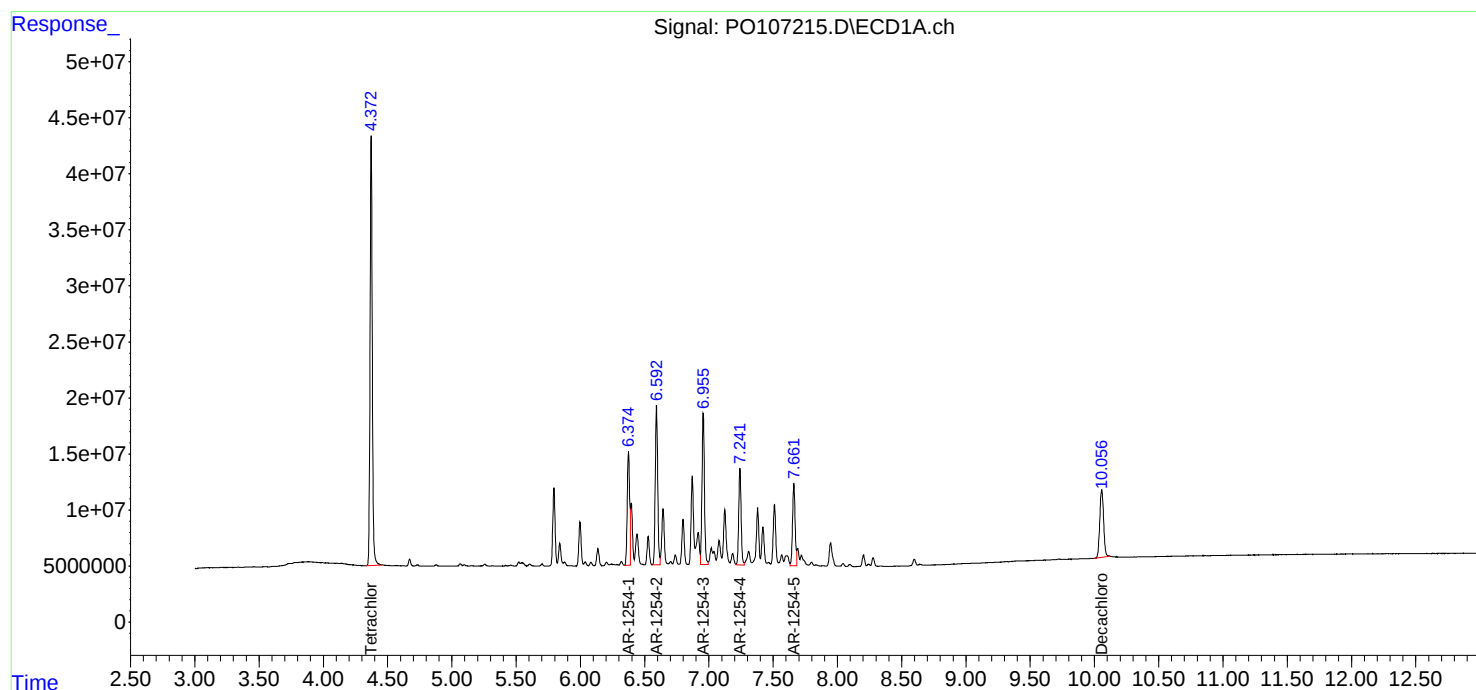
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:48
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:44:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:44:14 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_O\Data\P0101524\
 Data File : P0107216.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2024 04:06
 Operator : YP/AJ
 Sample : AR1268ICV500
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO101524AR1268

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 04:22:39 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 02:38:17 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...	4.372	3.644	461.5E6	169.8E6	49.559	49.696
2) SA Decachlor...	10.057	8.638	214.2E6	240.5E6	50.485	49.870
Target Compounds						
41) L9 AR-1268-1	8.588	7.541	182.7E6	207.4E6	501.152	501.118
42) L9 AR-1268-2	8.678	7.606	163.0E6	192.3E6	501.726	501.439
43) L9 AR-1268-3	8.907	7.812	141.7E6	170.9E6	501.280	503.353
44) L9 AR-1268-4	9.313	8.096	57558867	64279608	501.757	505.004
45) L9 AR-1268-5	9.721	8.385	423.5E6	510.6E6	499.926	501.994

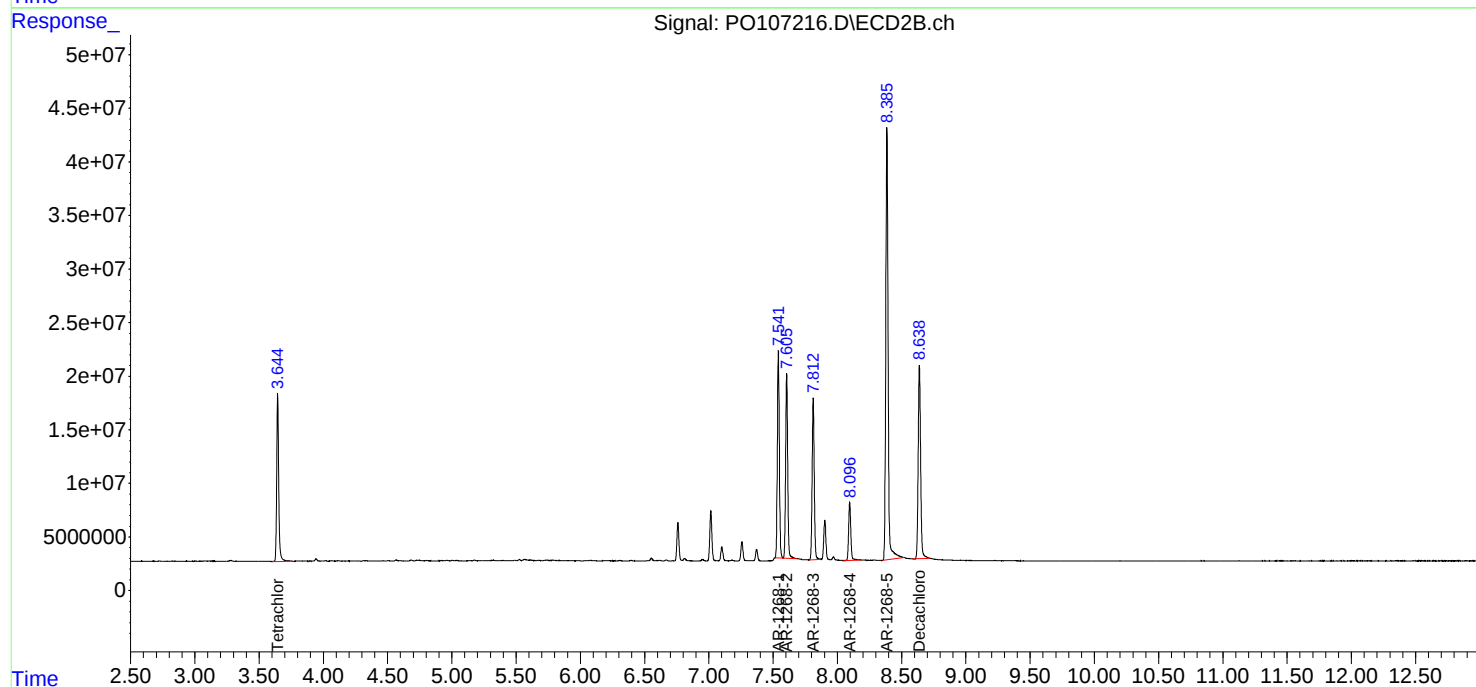
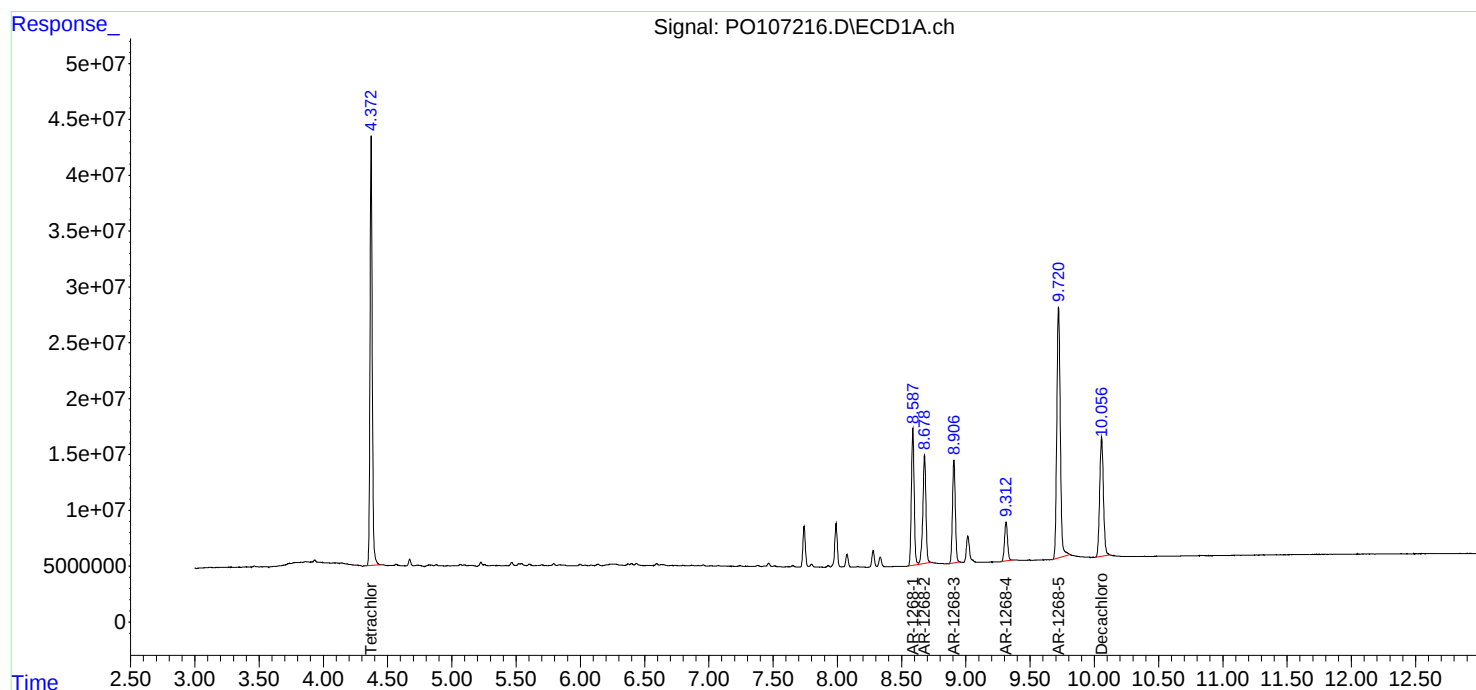
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 04:06
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO101524AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:22:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 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



RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06
Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460
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: PORT06
Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460
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



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

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: PORT06
Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460
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



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

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



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

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



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

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

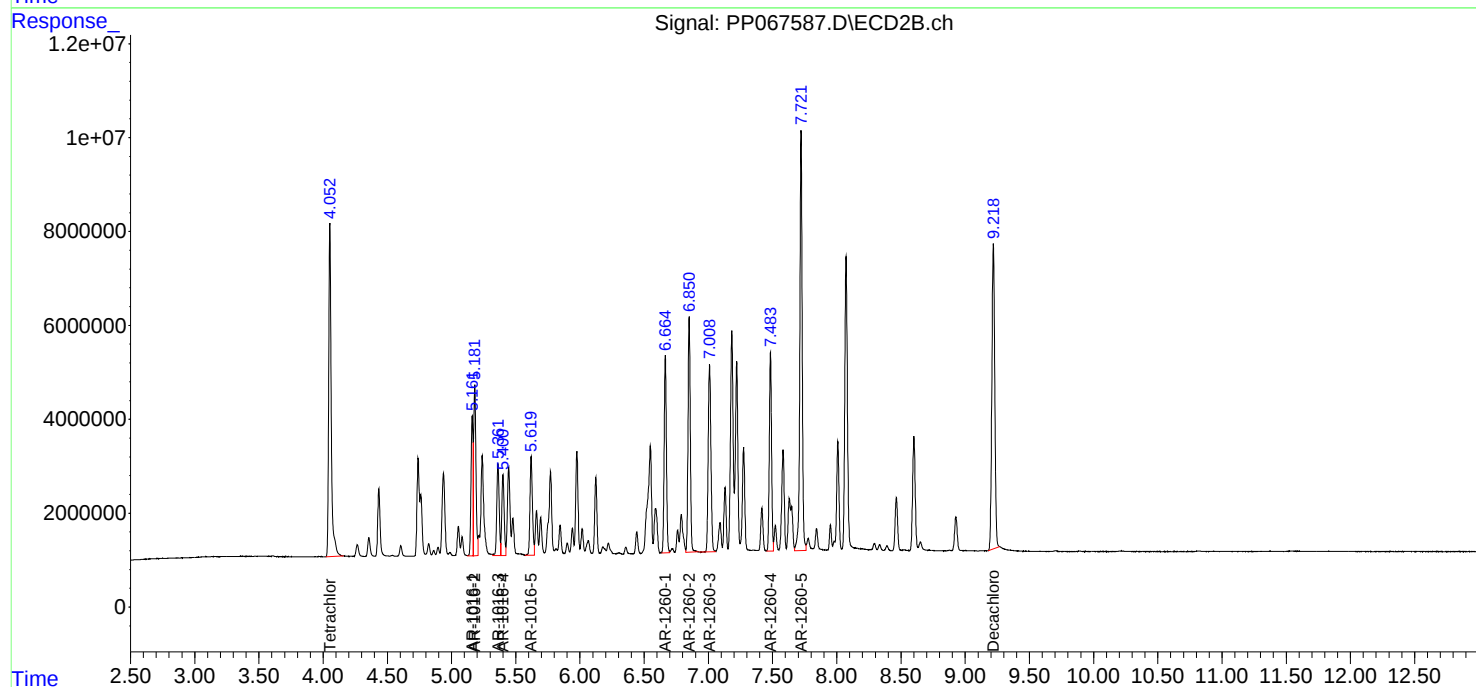
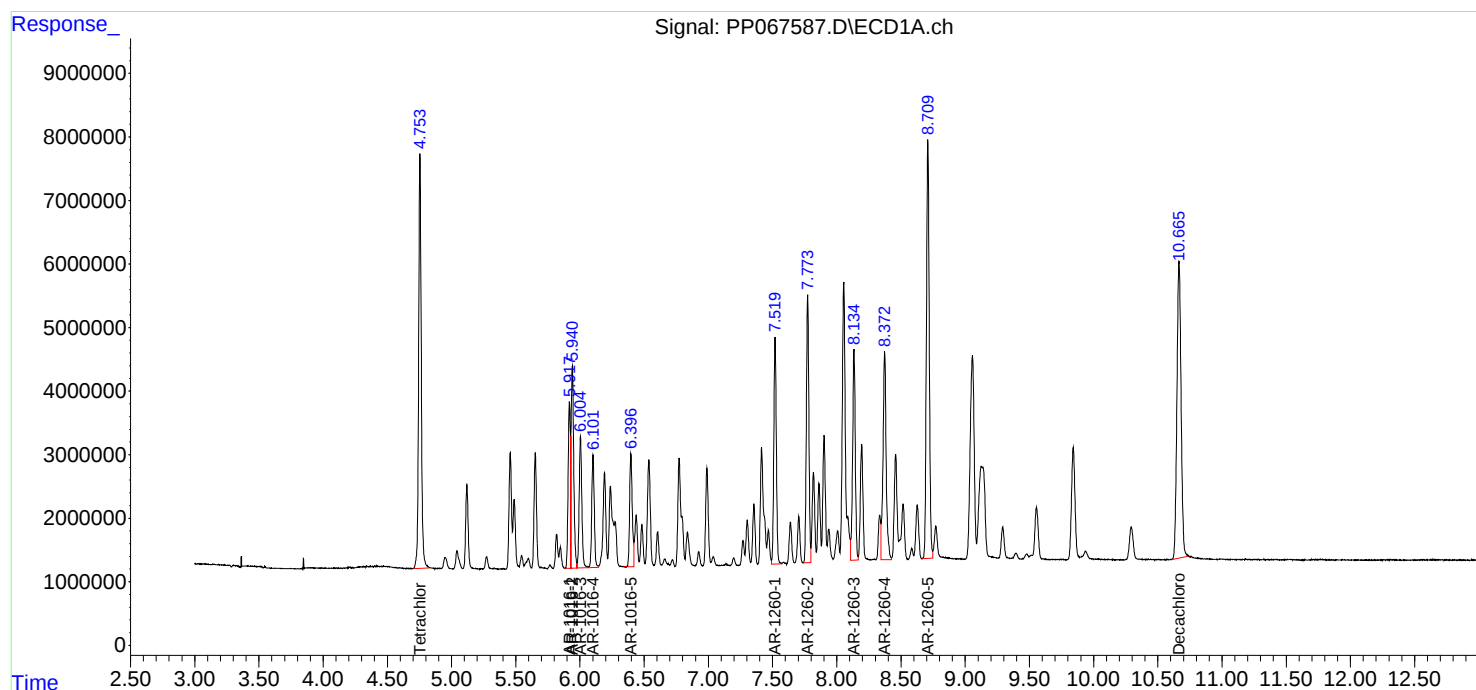
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

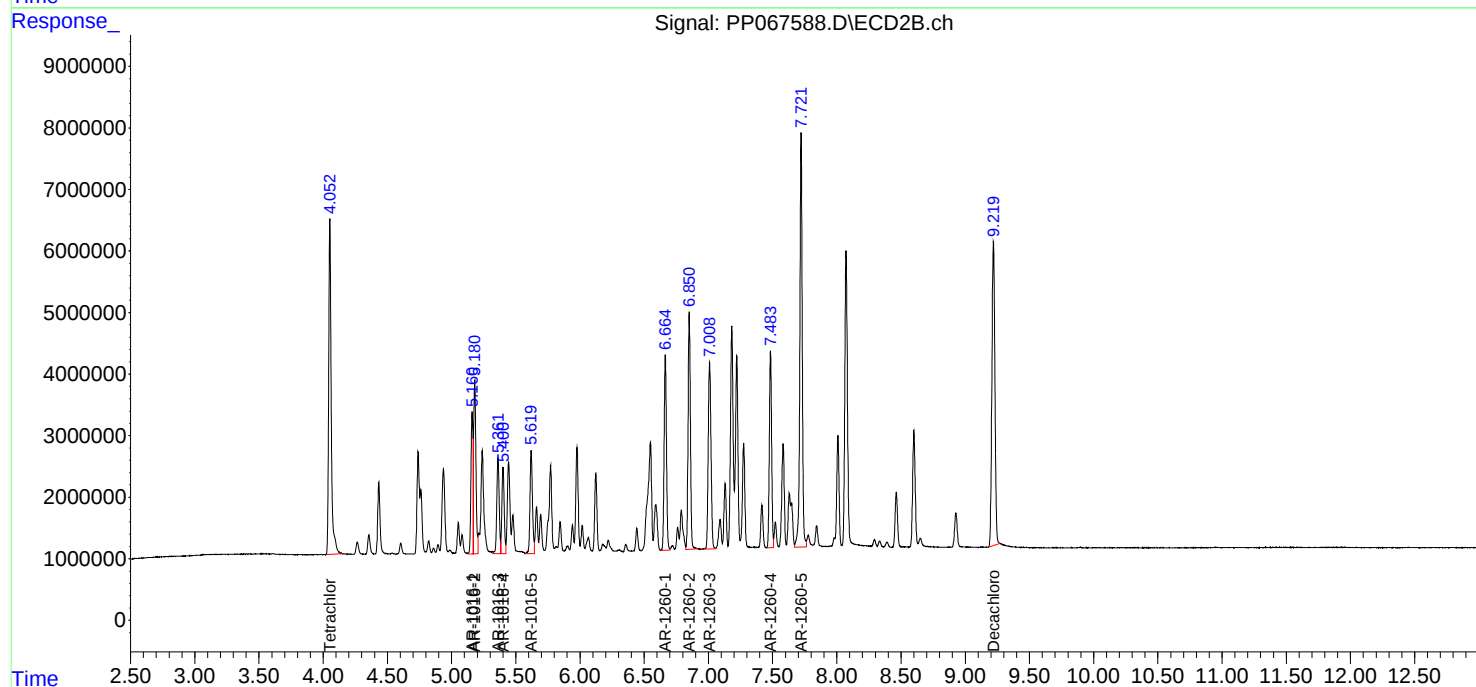
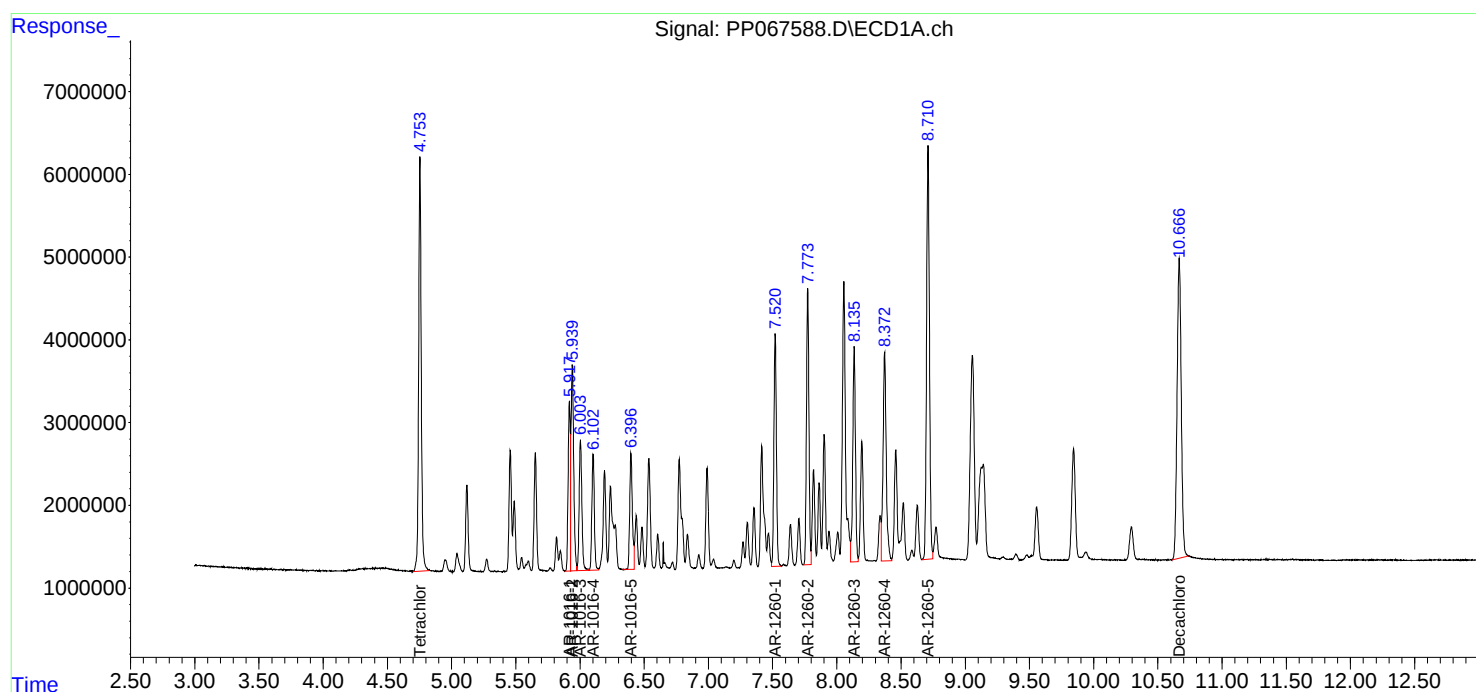
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

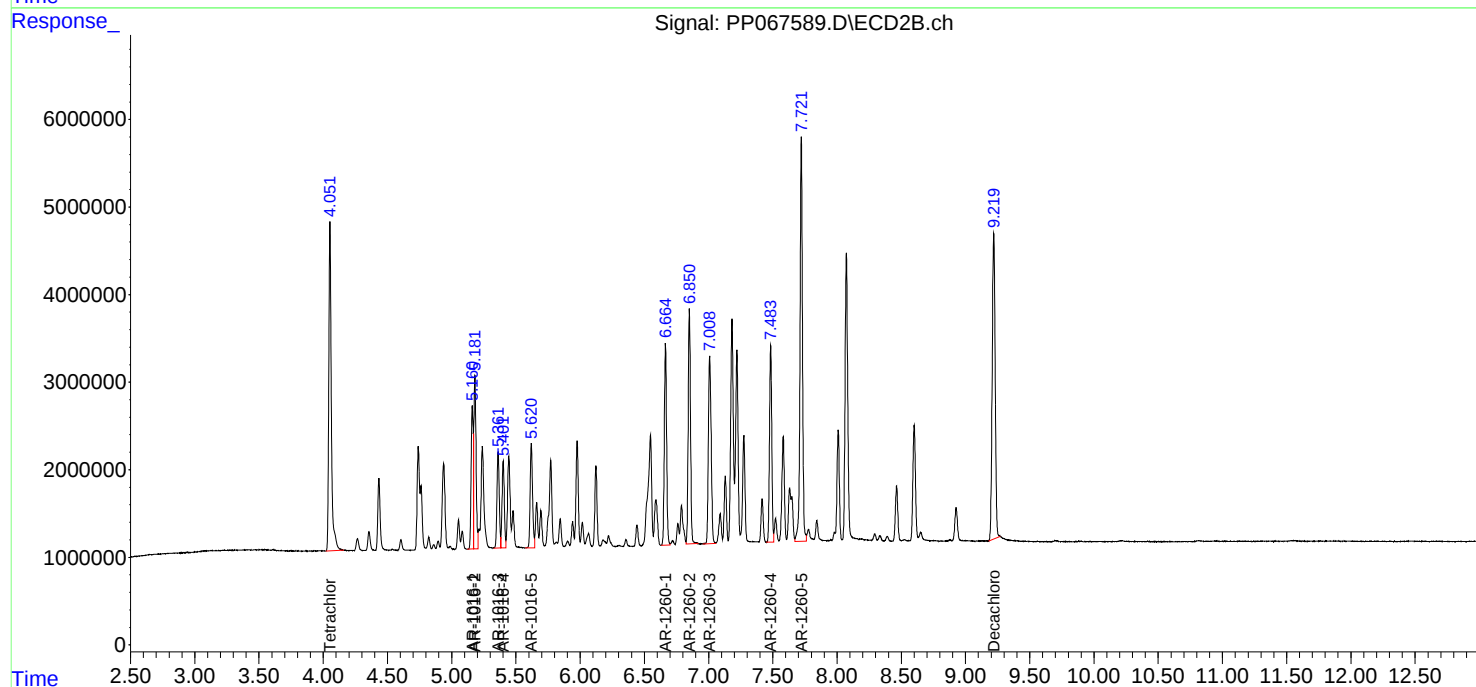
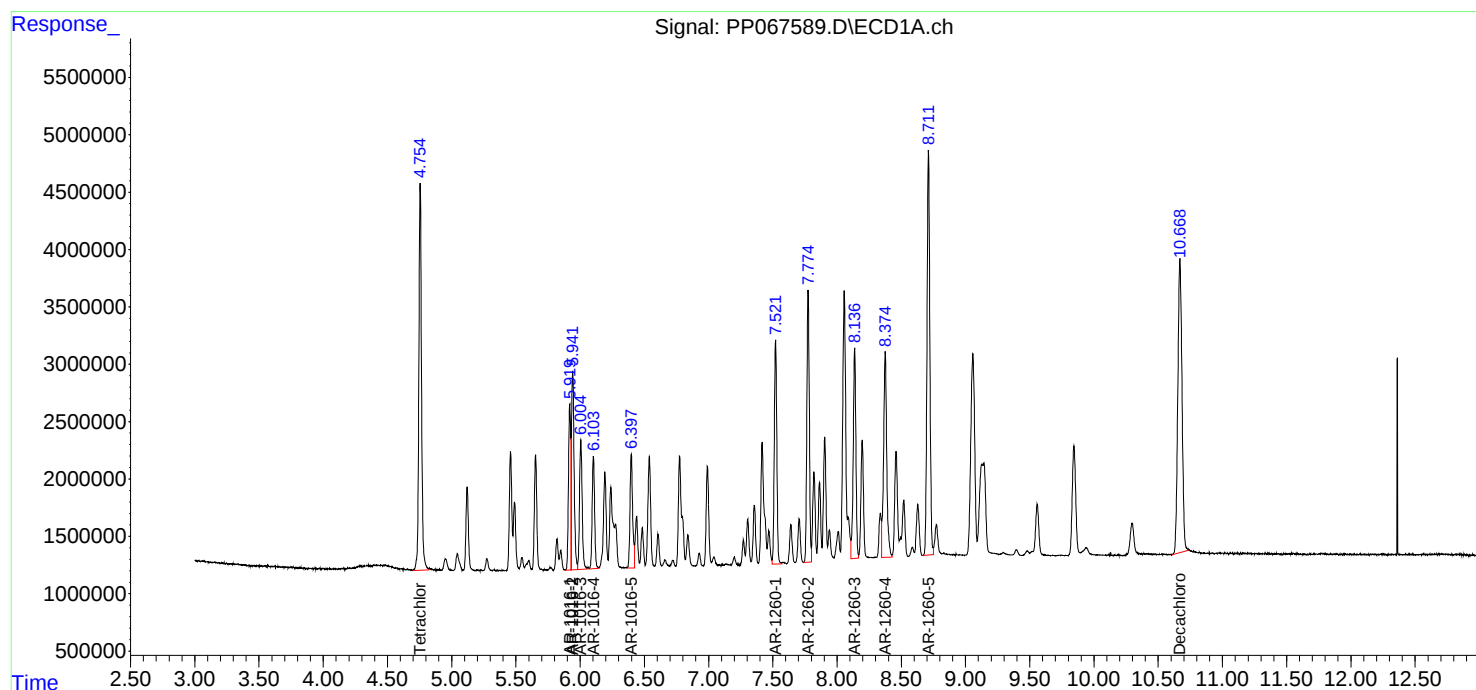
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

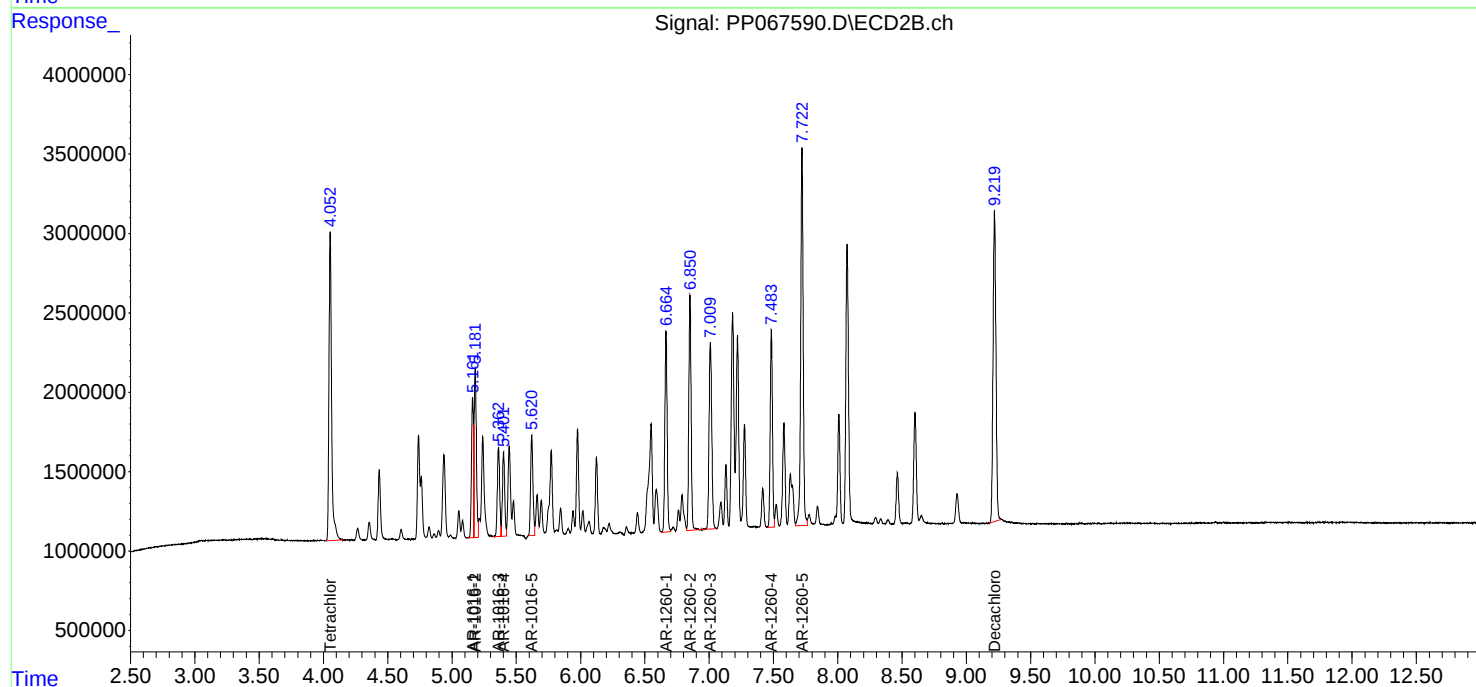
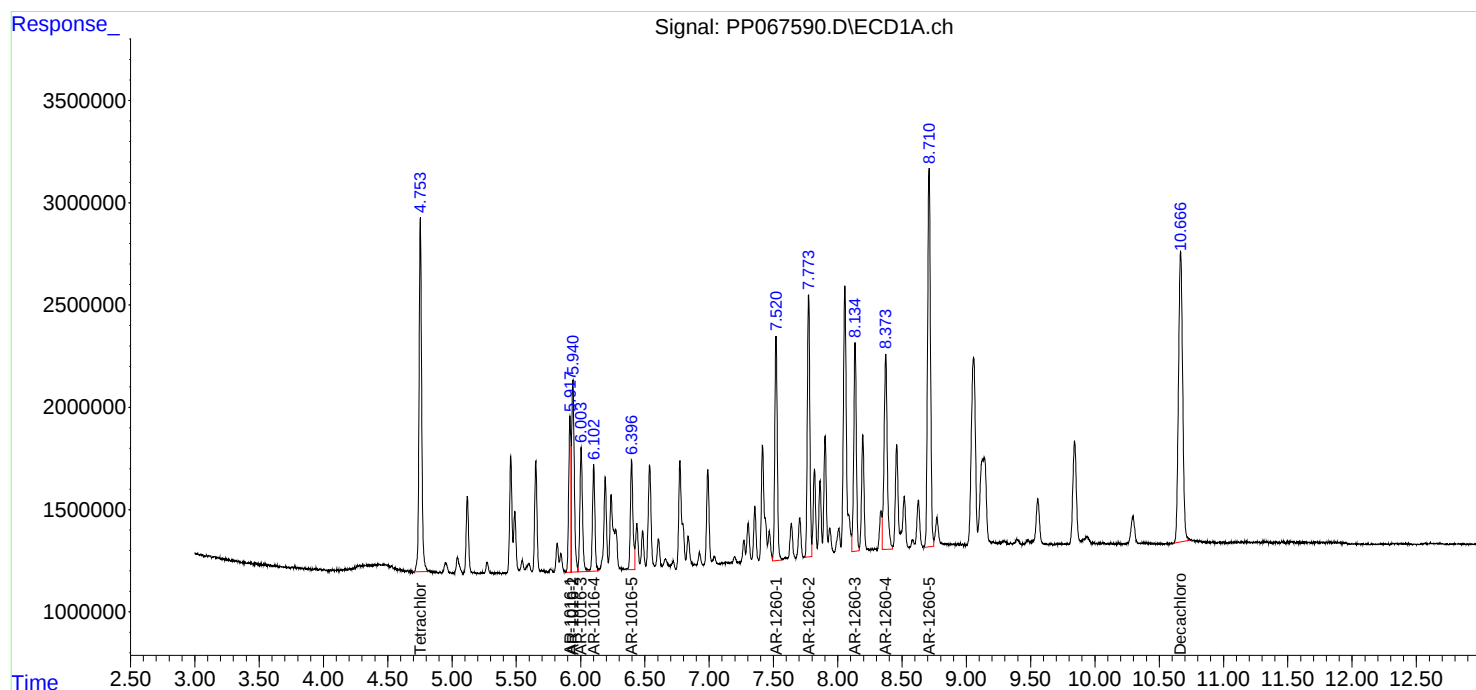
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

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

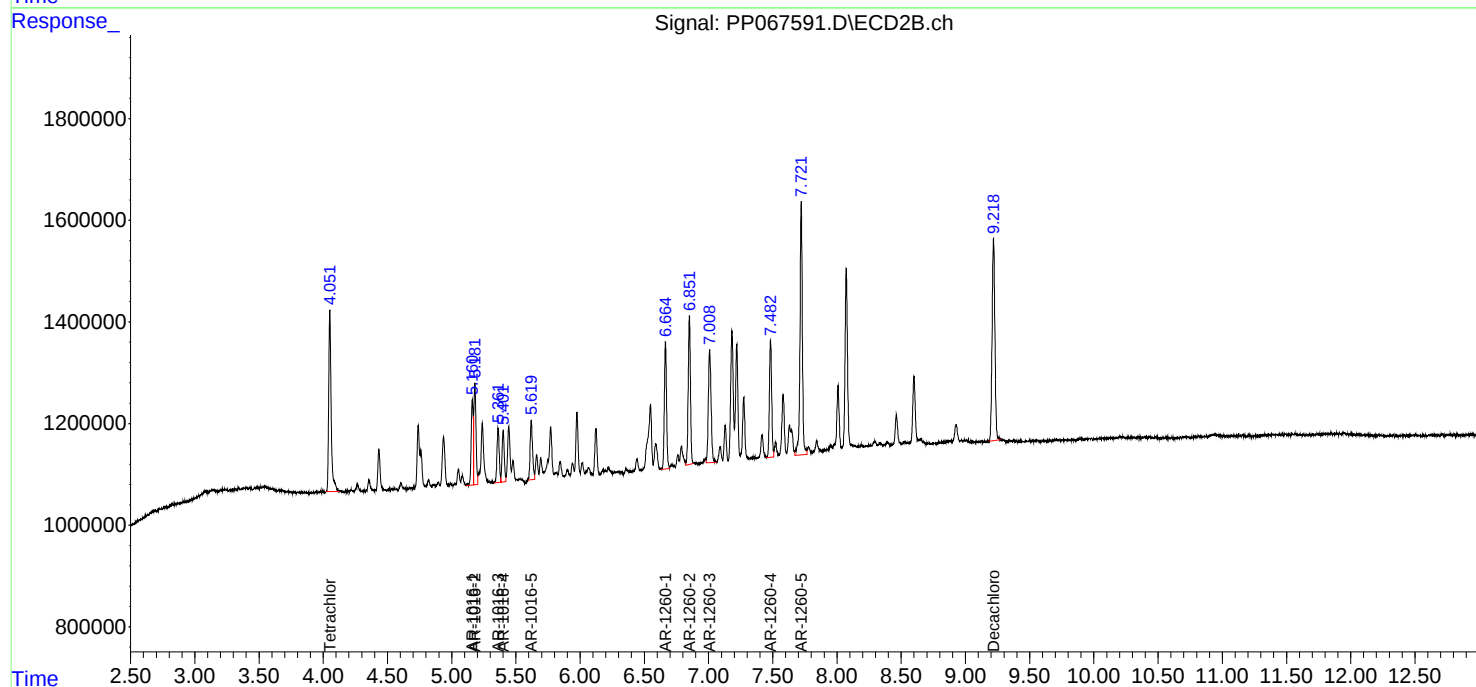
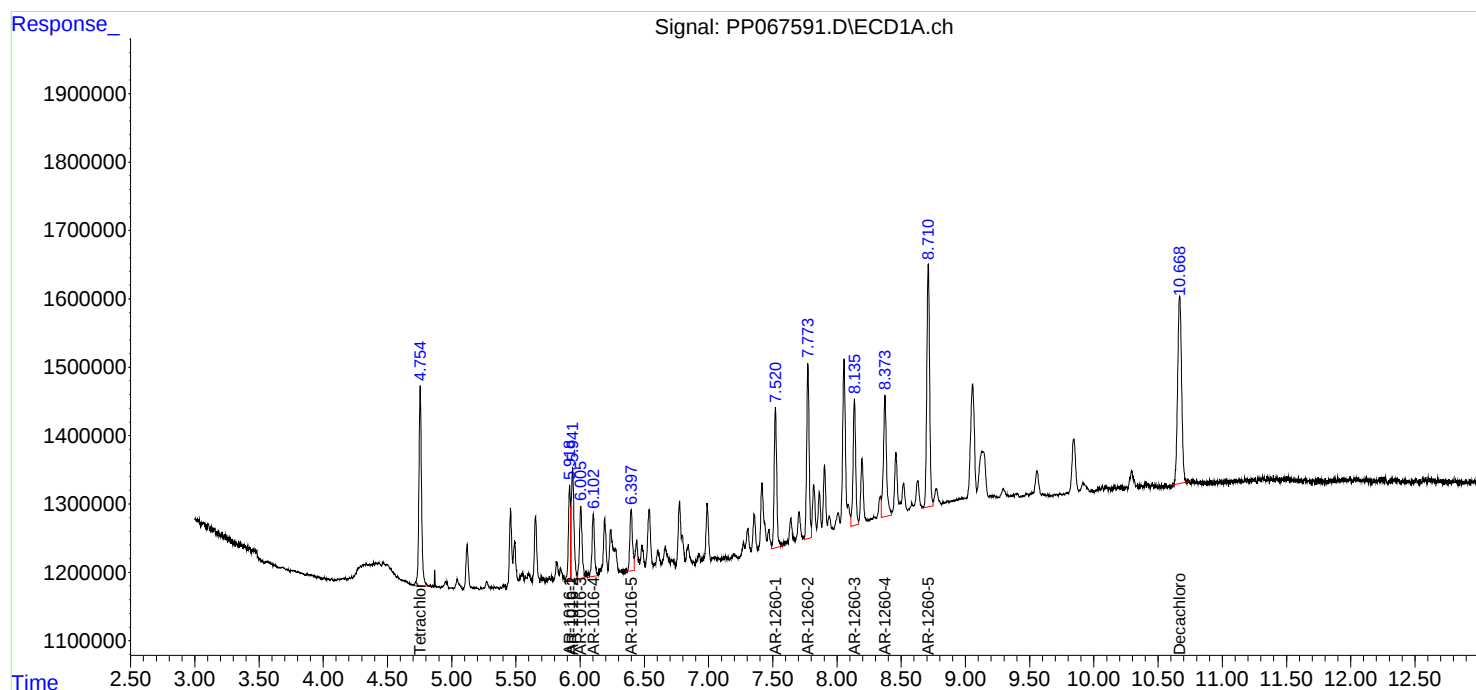
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

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

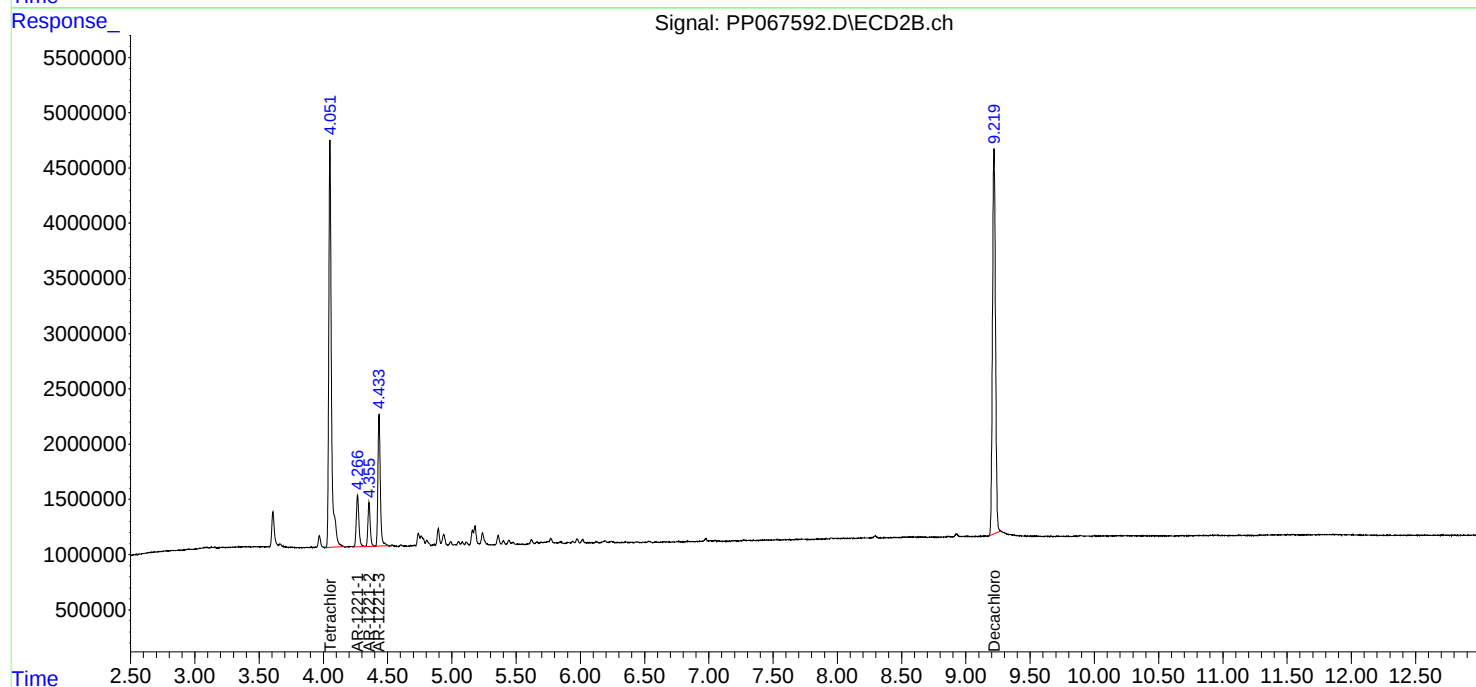
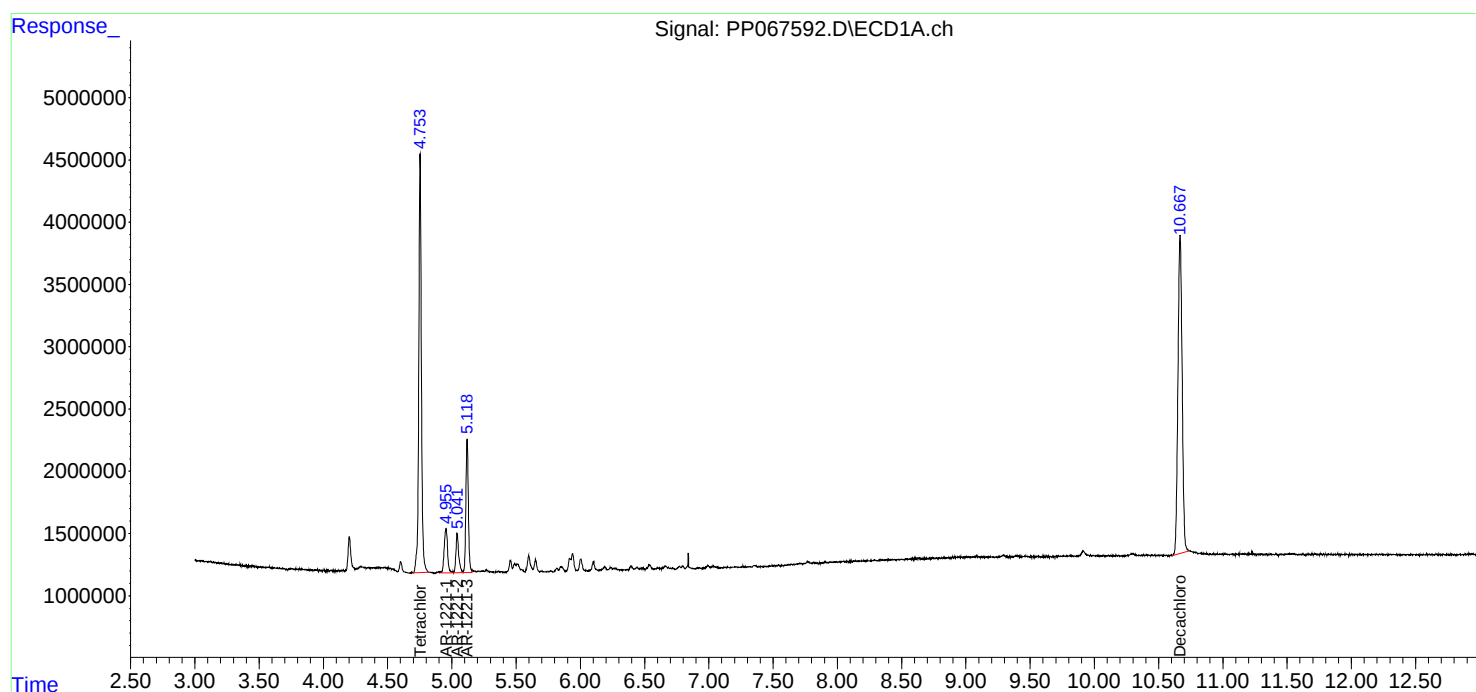
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

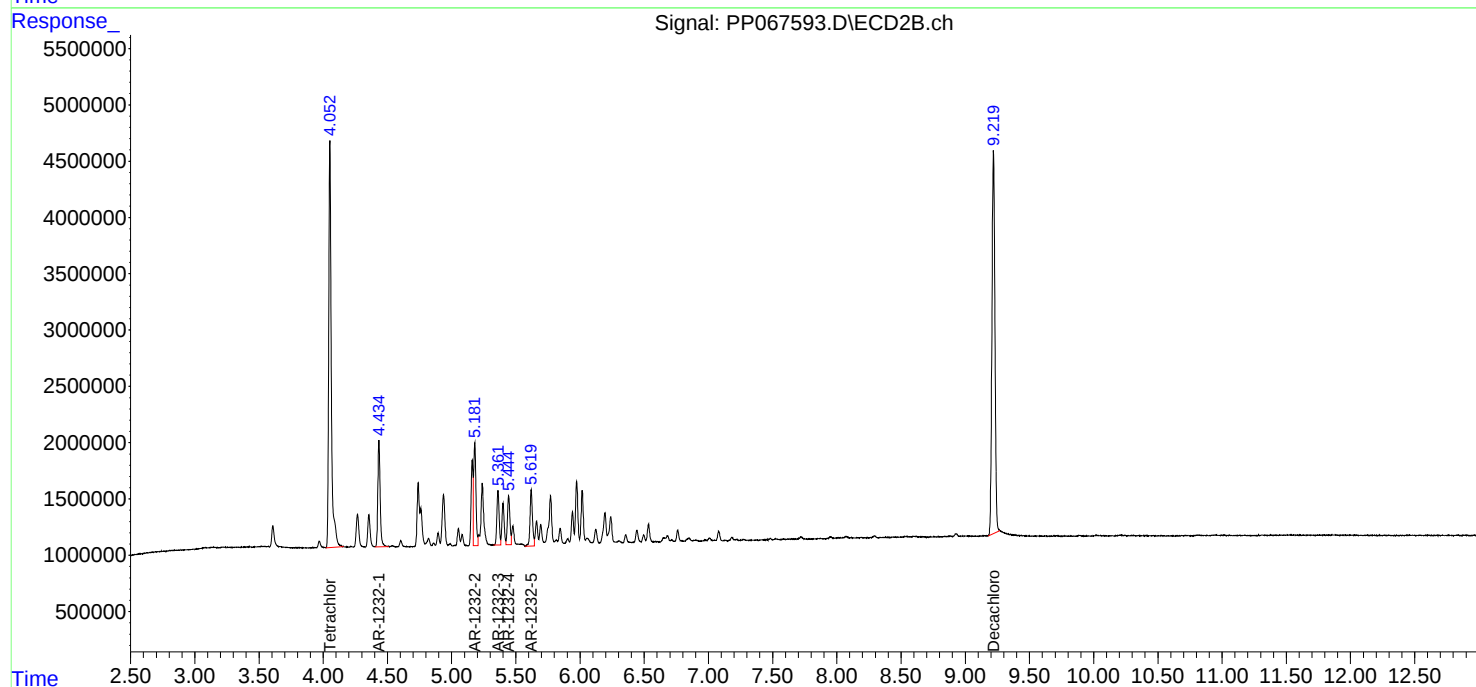
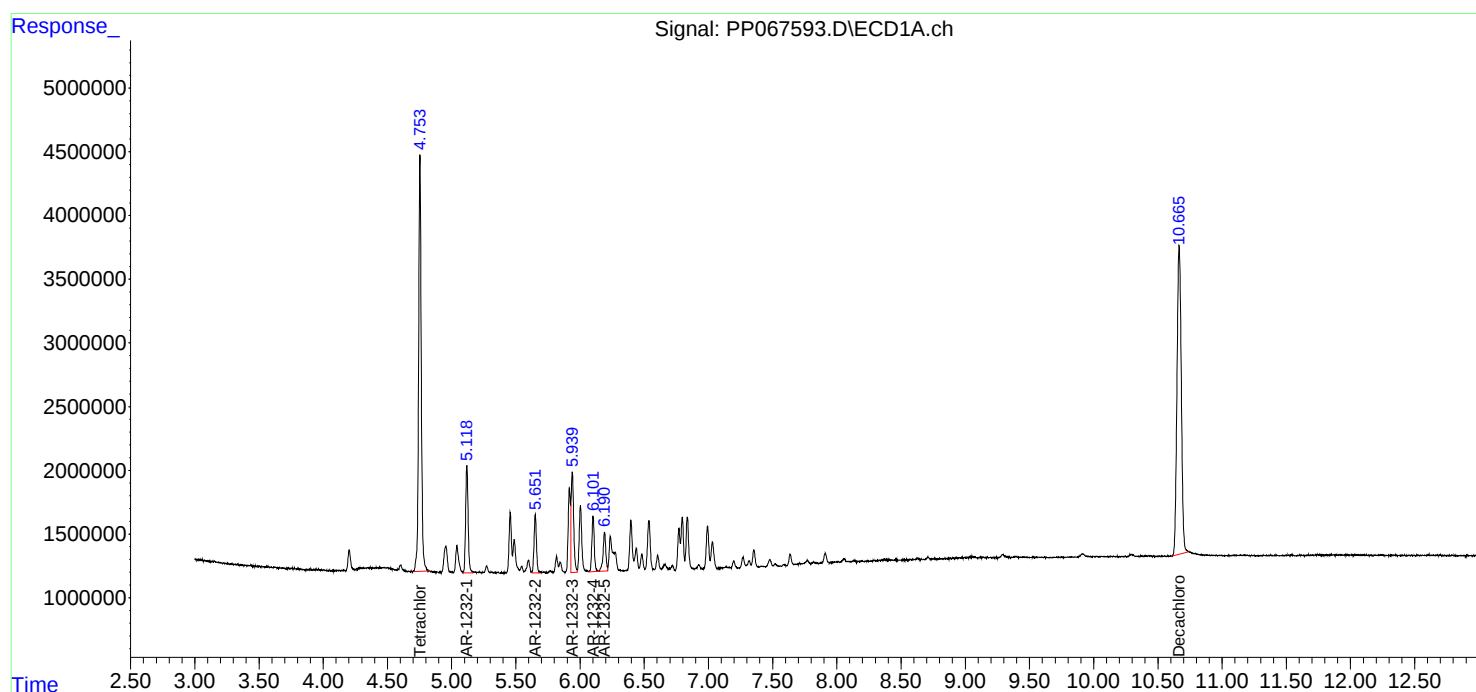
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

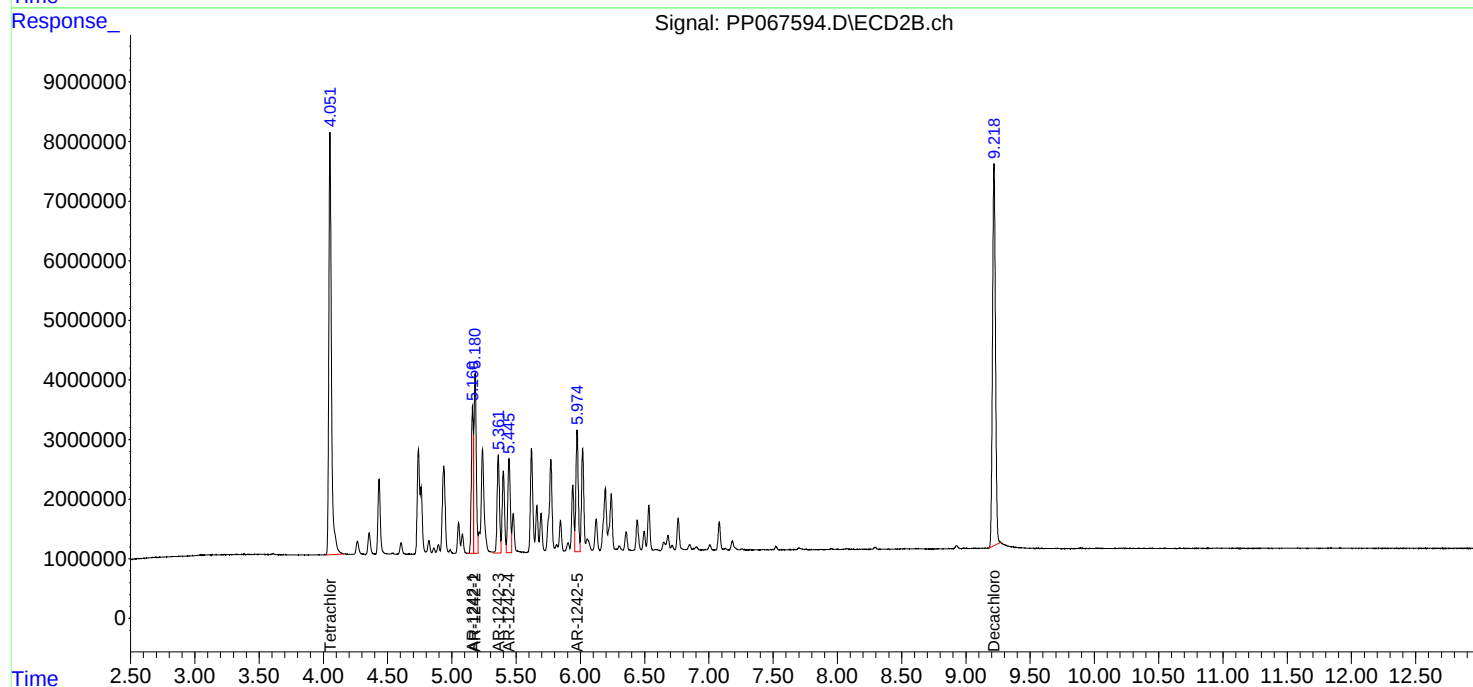
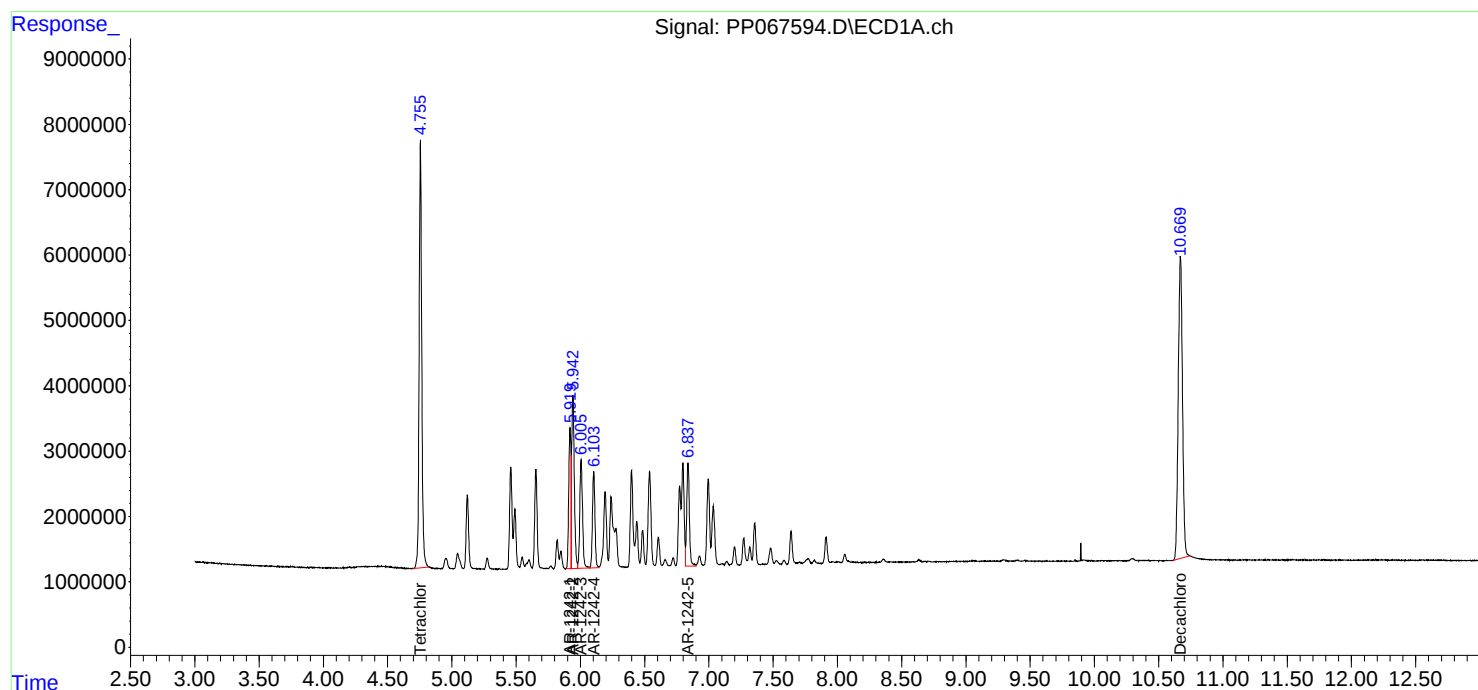
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

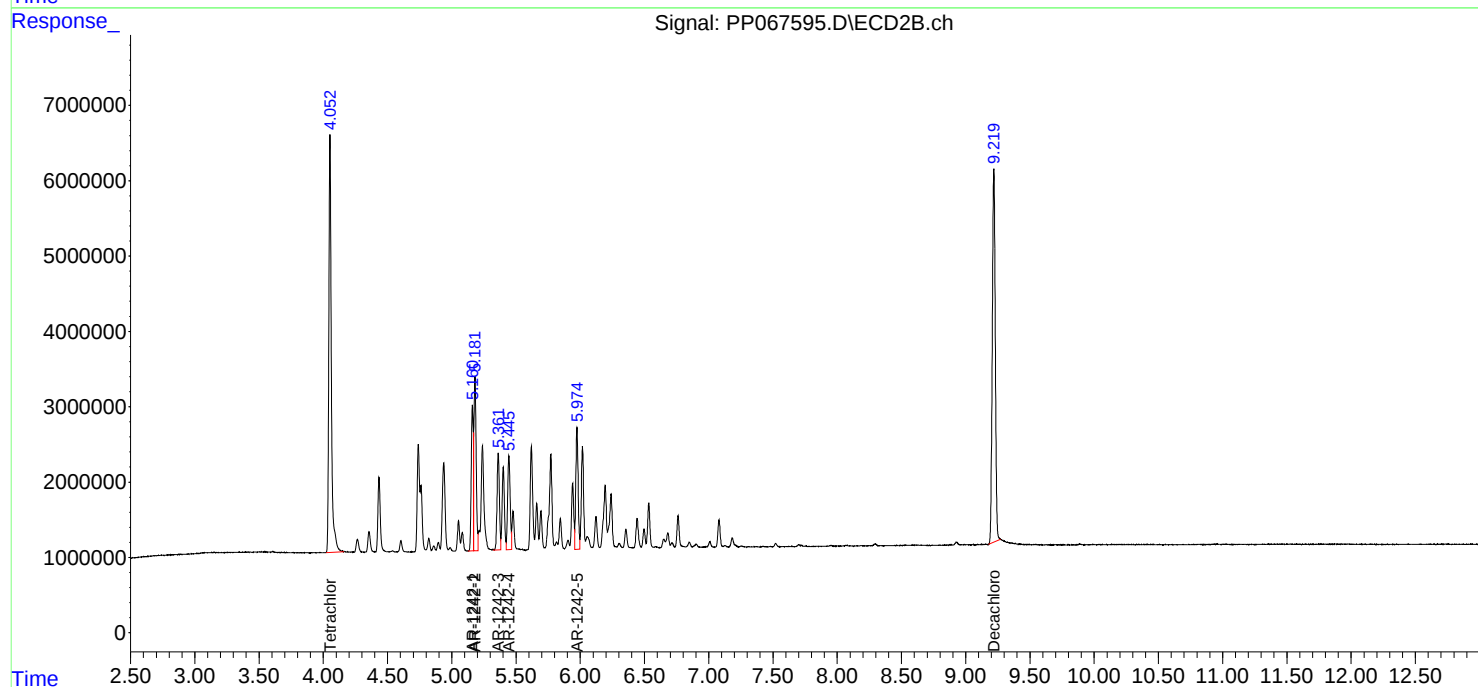
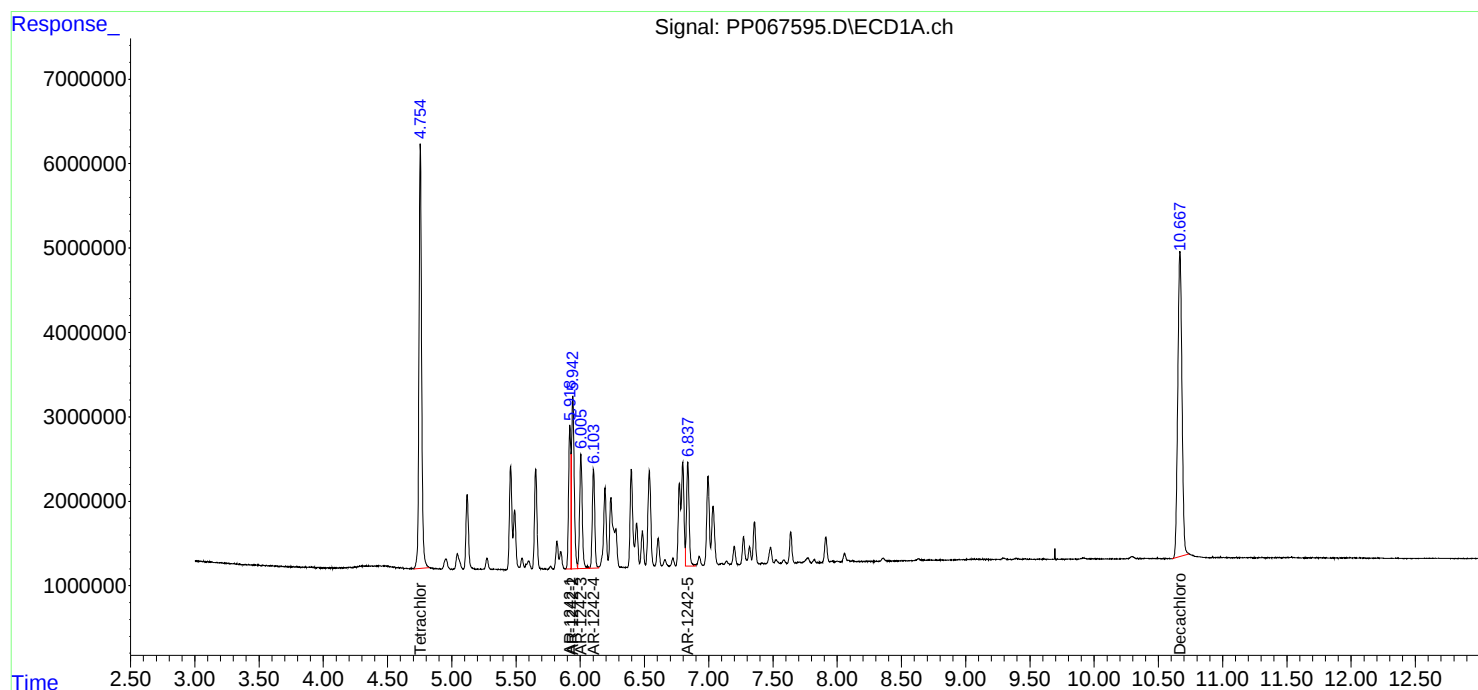
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

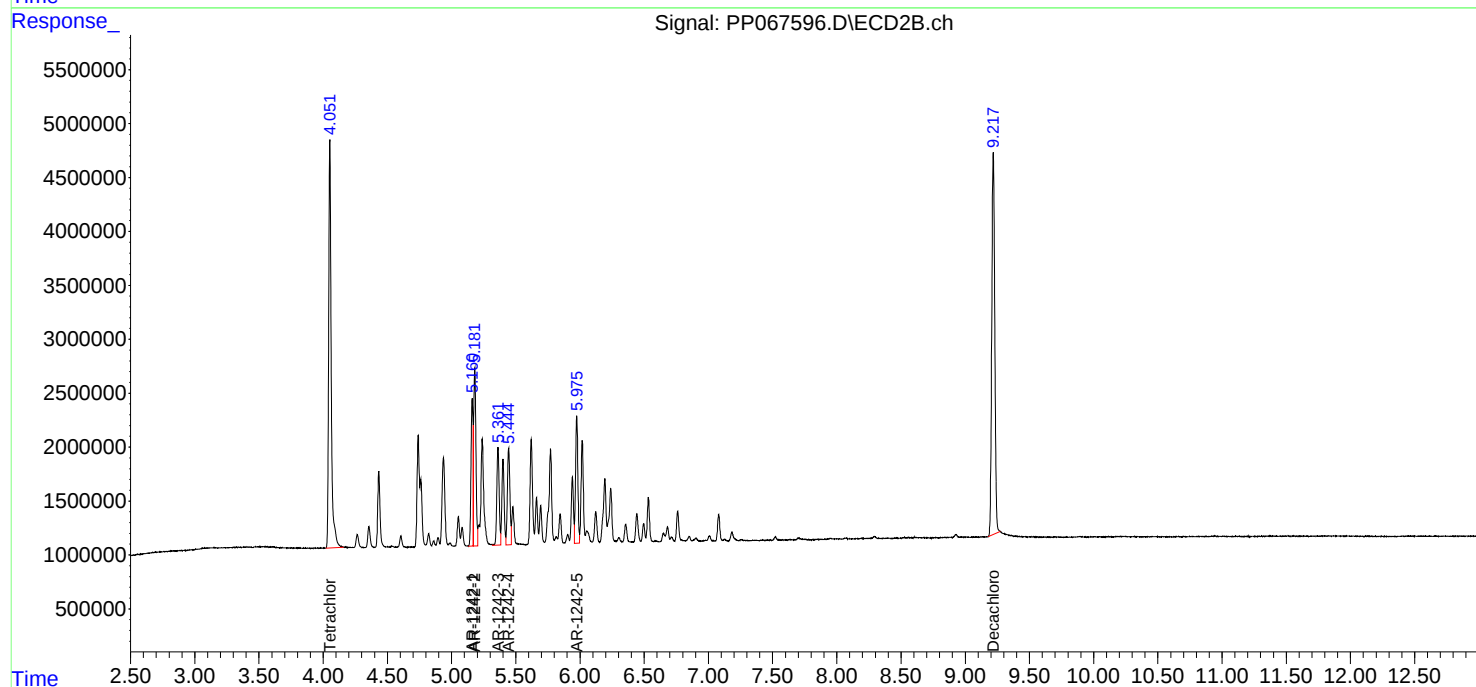
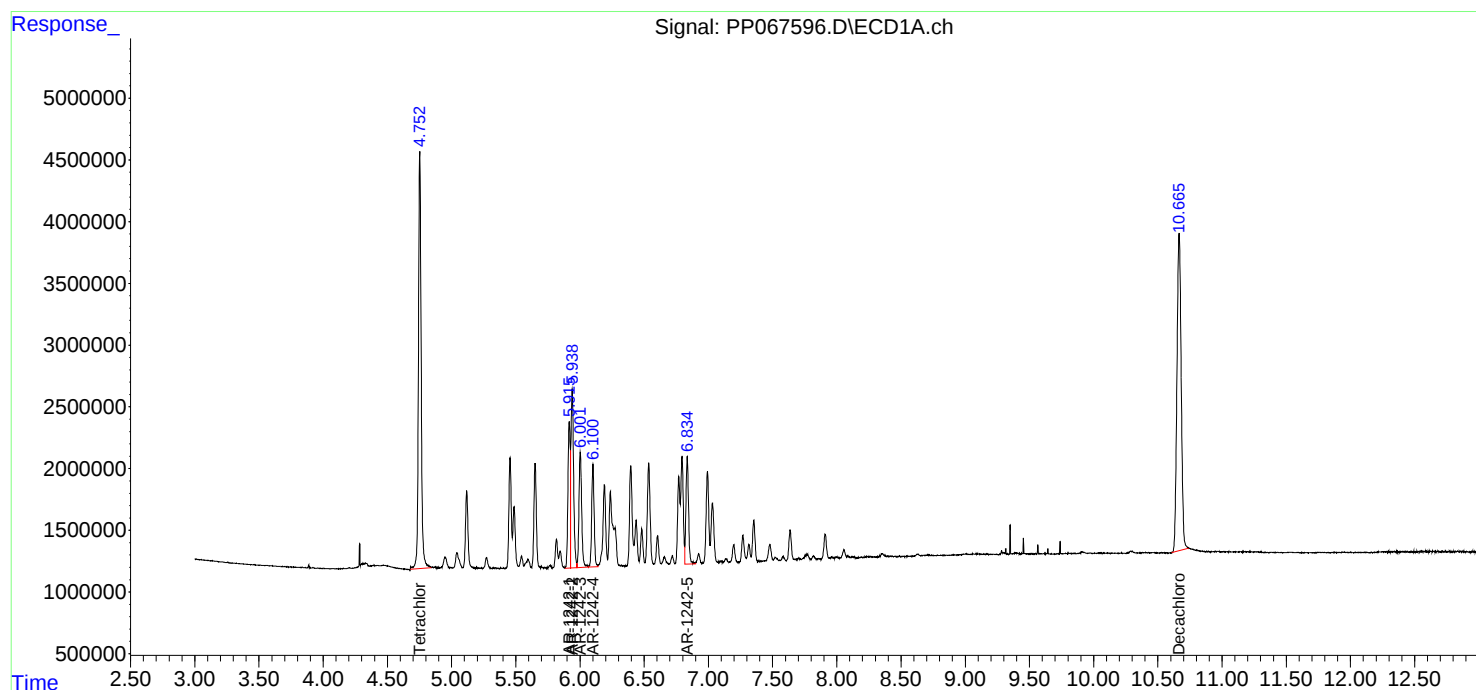
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

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

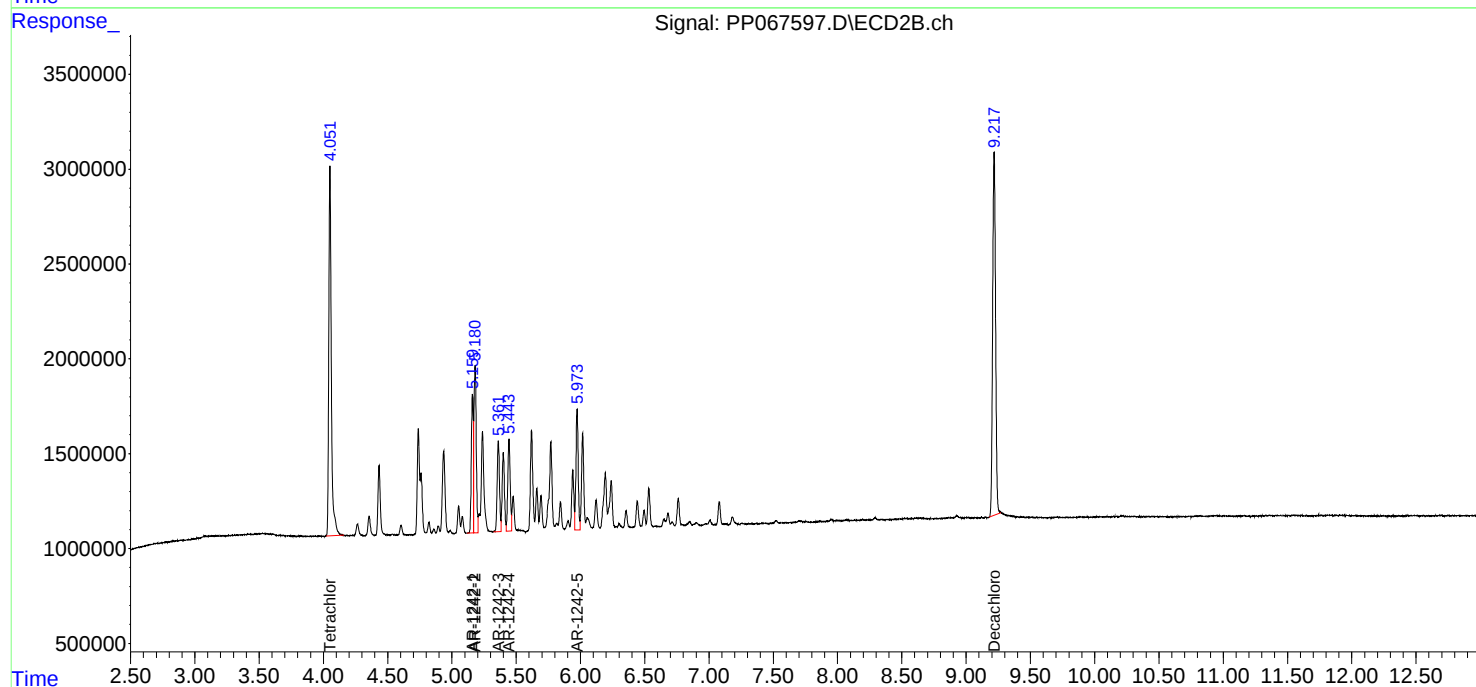
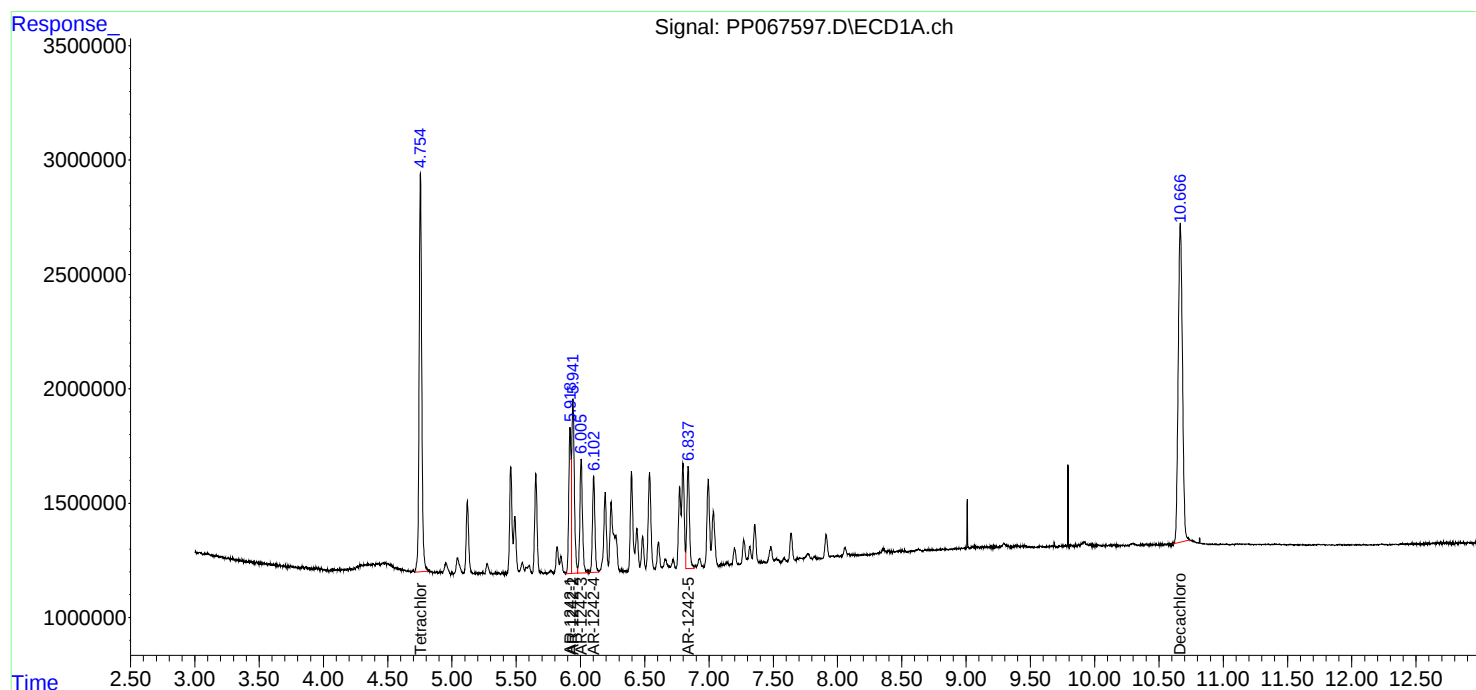
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

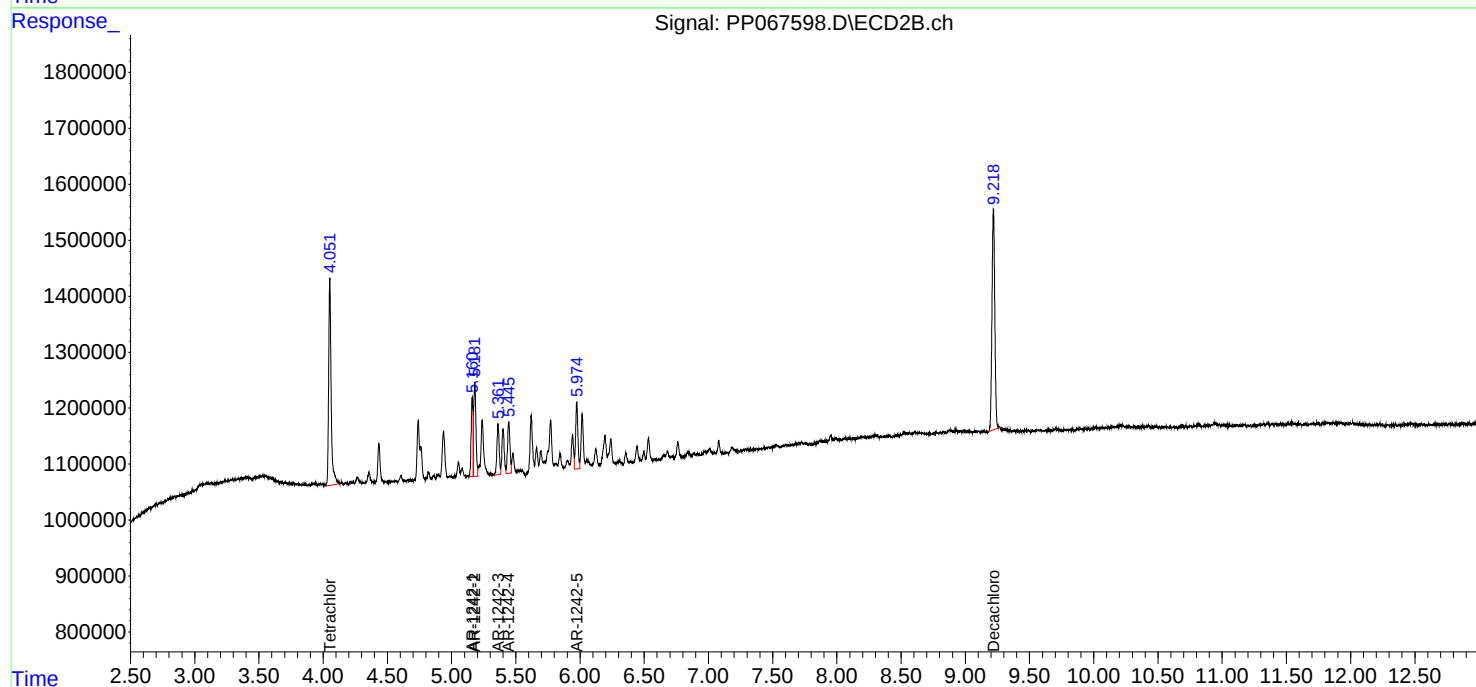
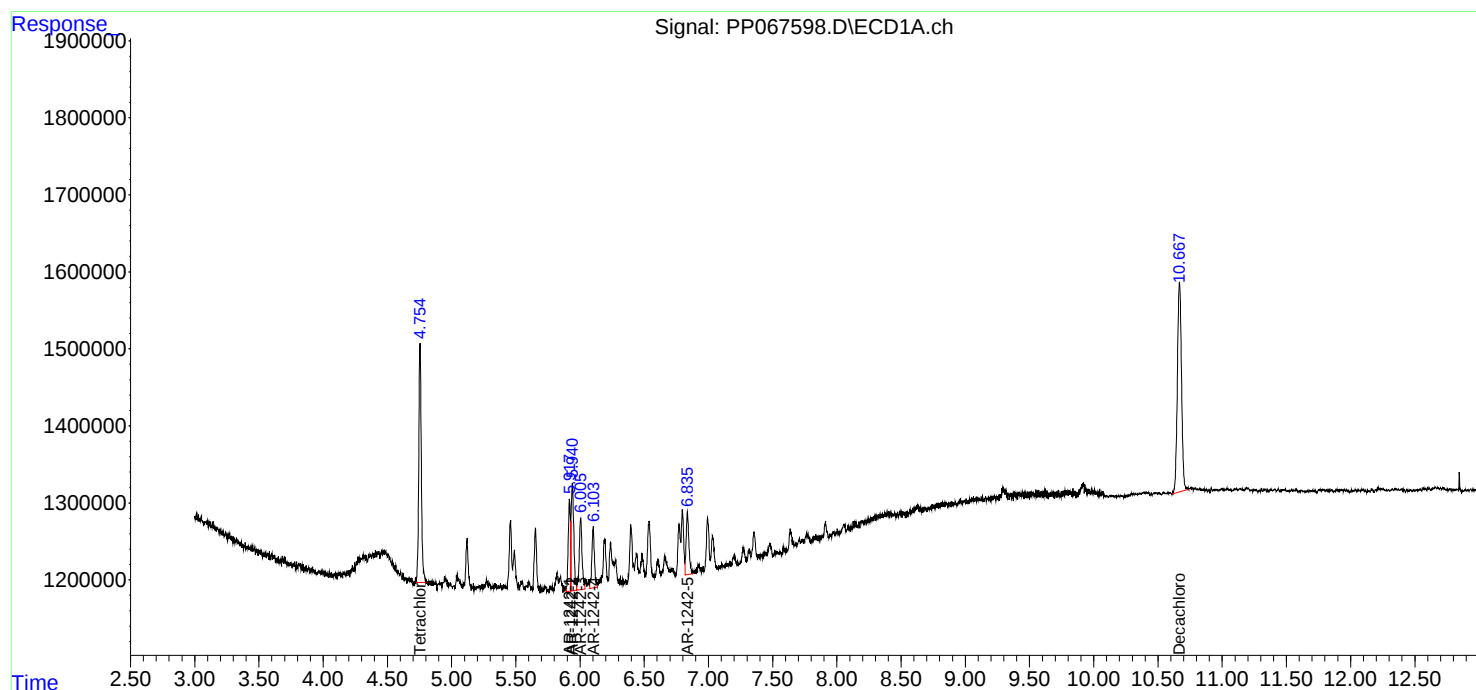
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

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

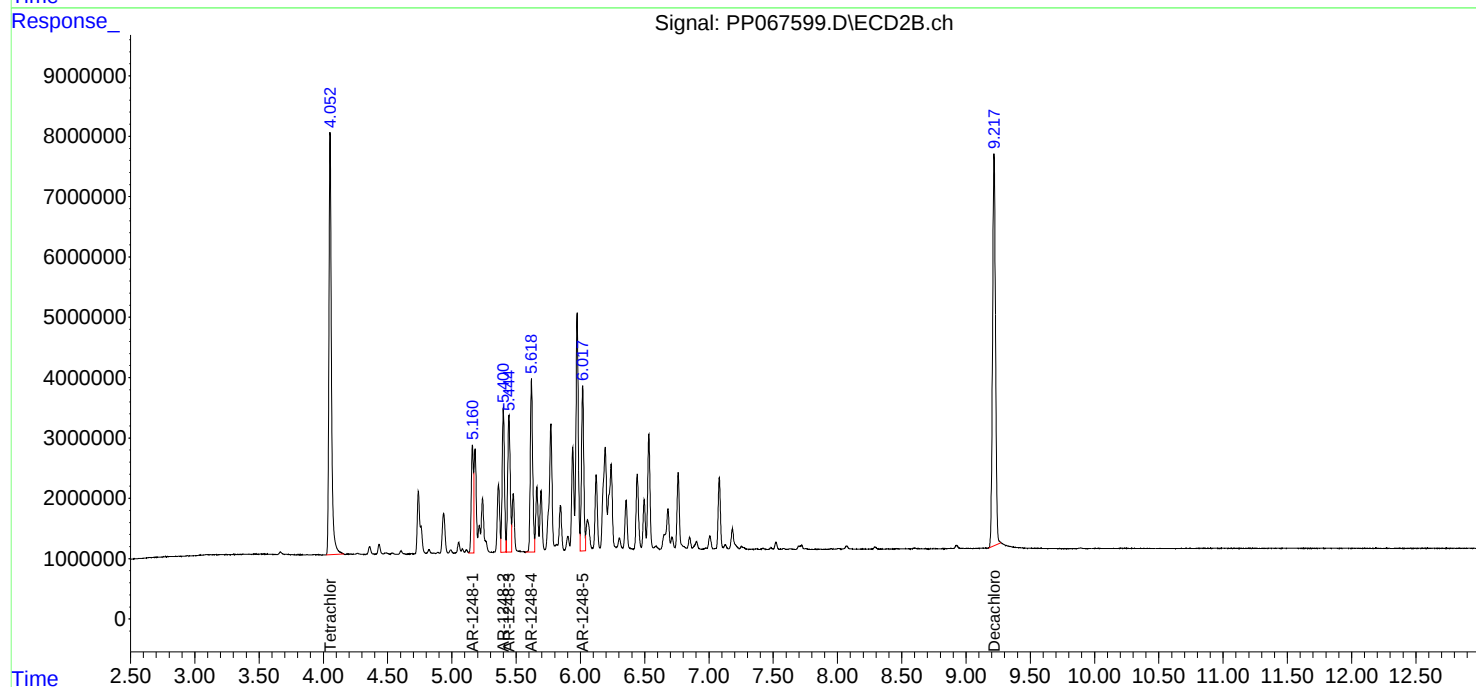
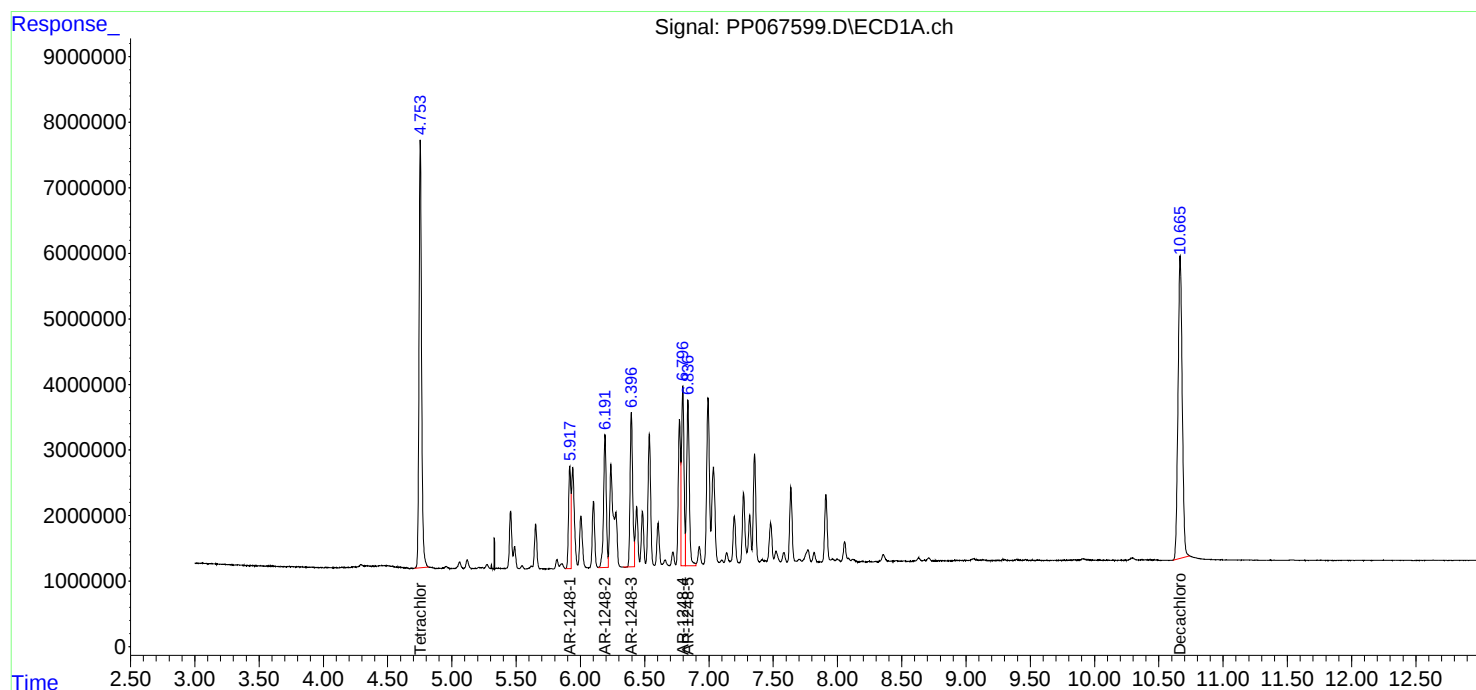
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

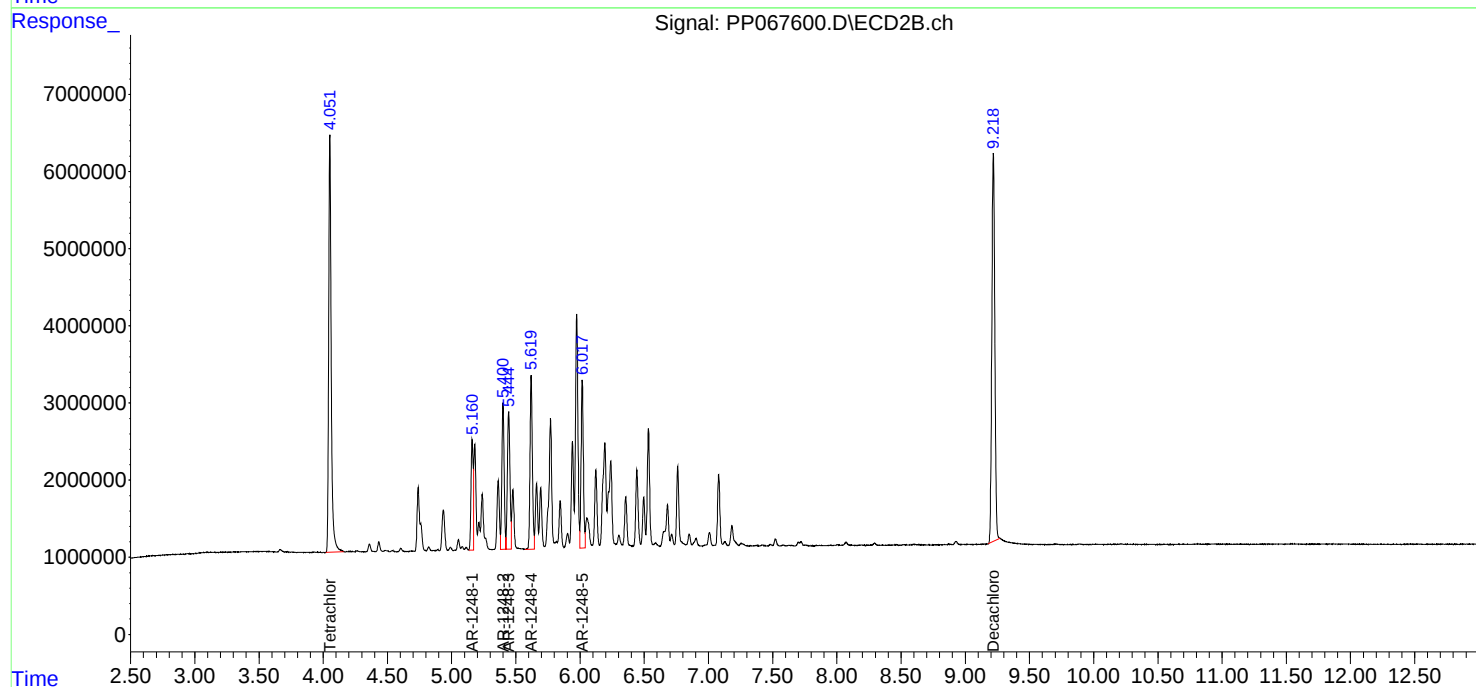
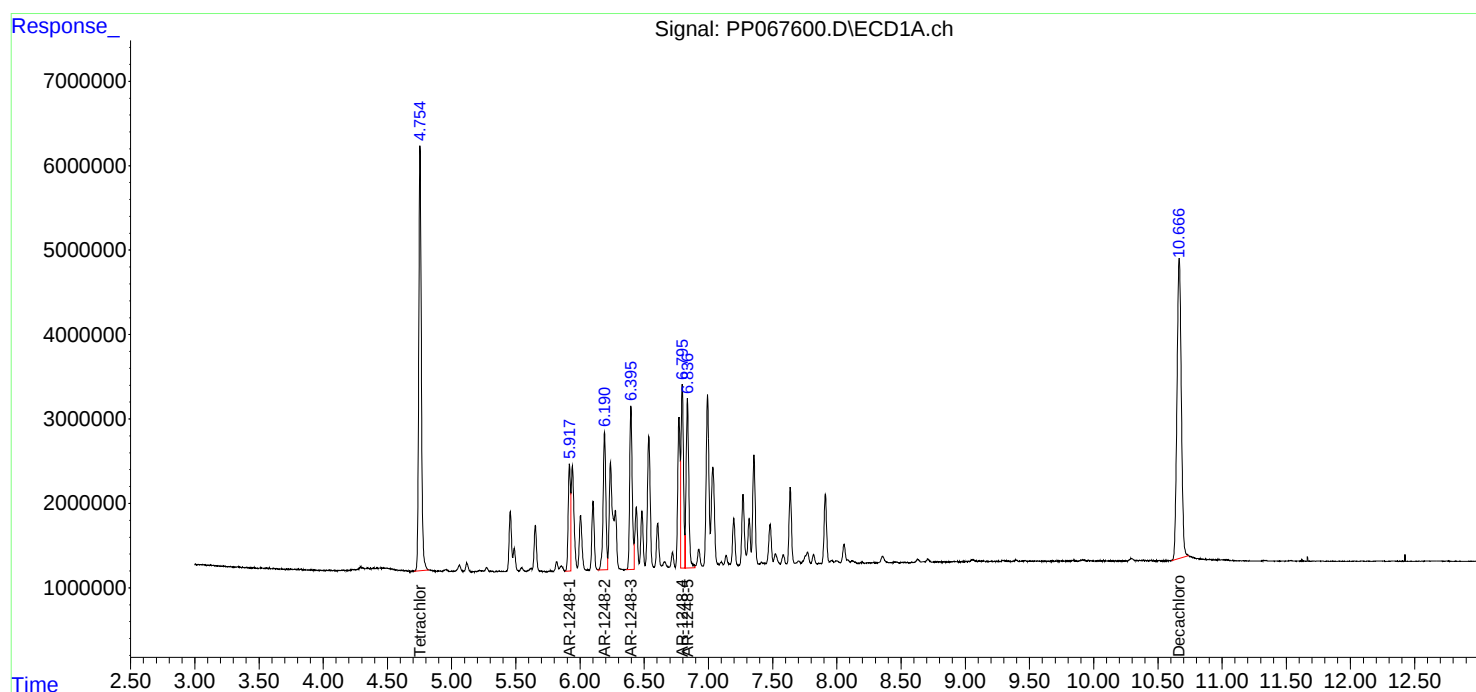
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

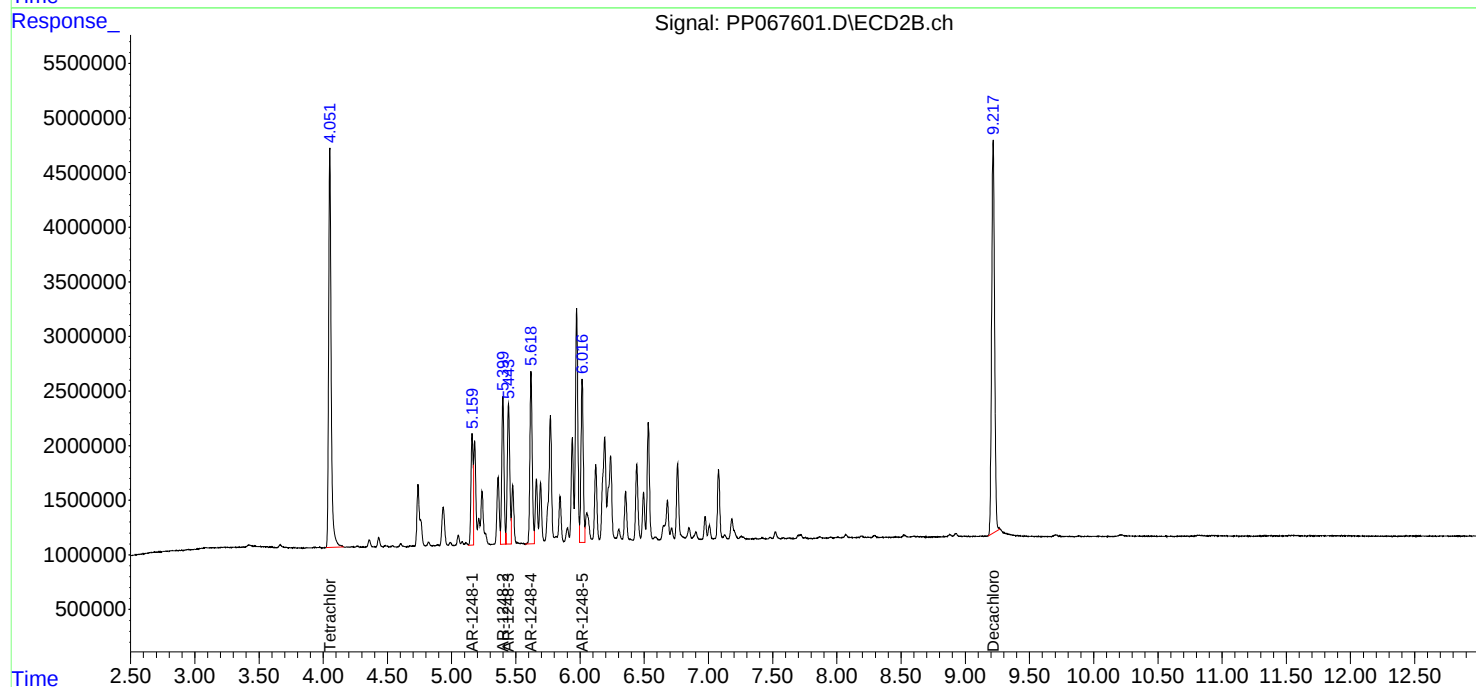
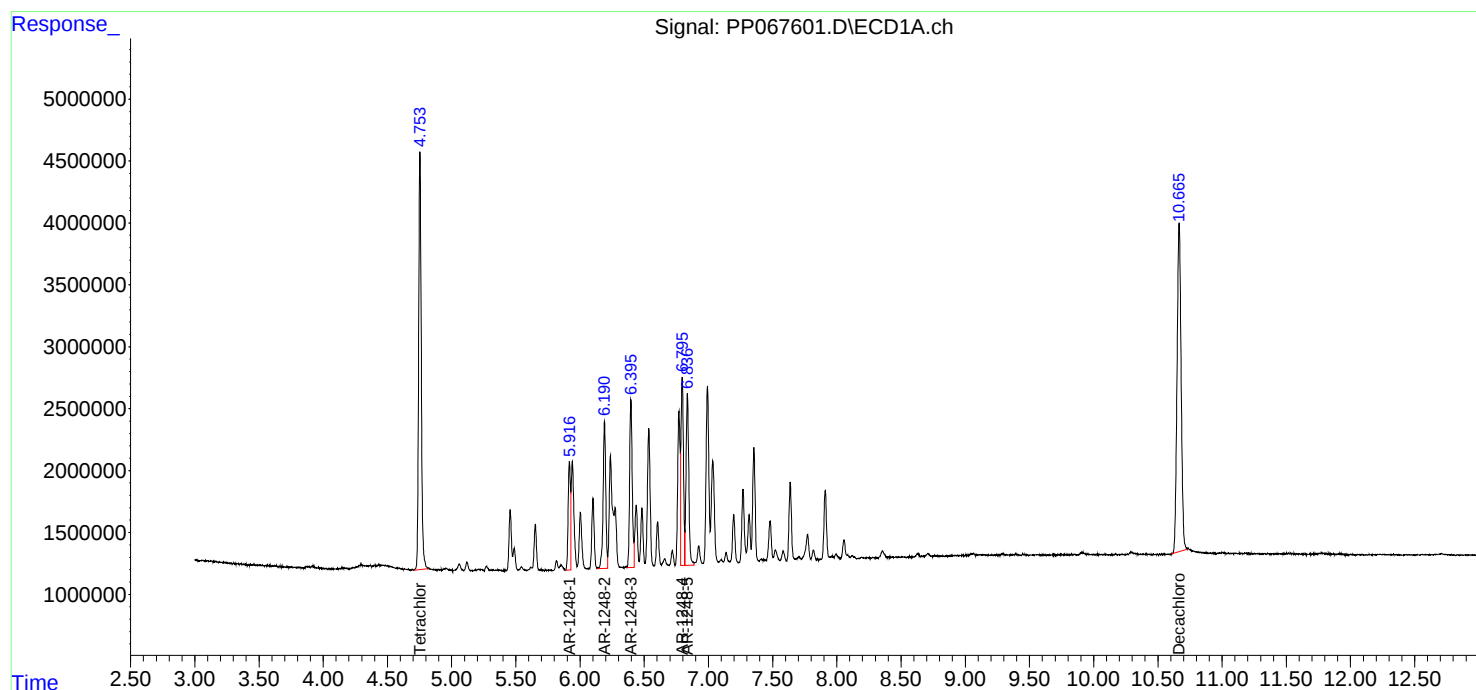
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

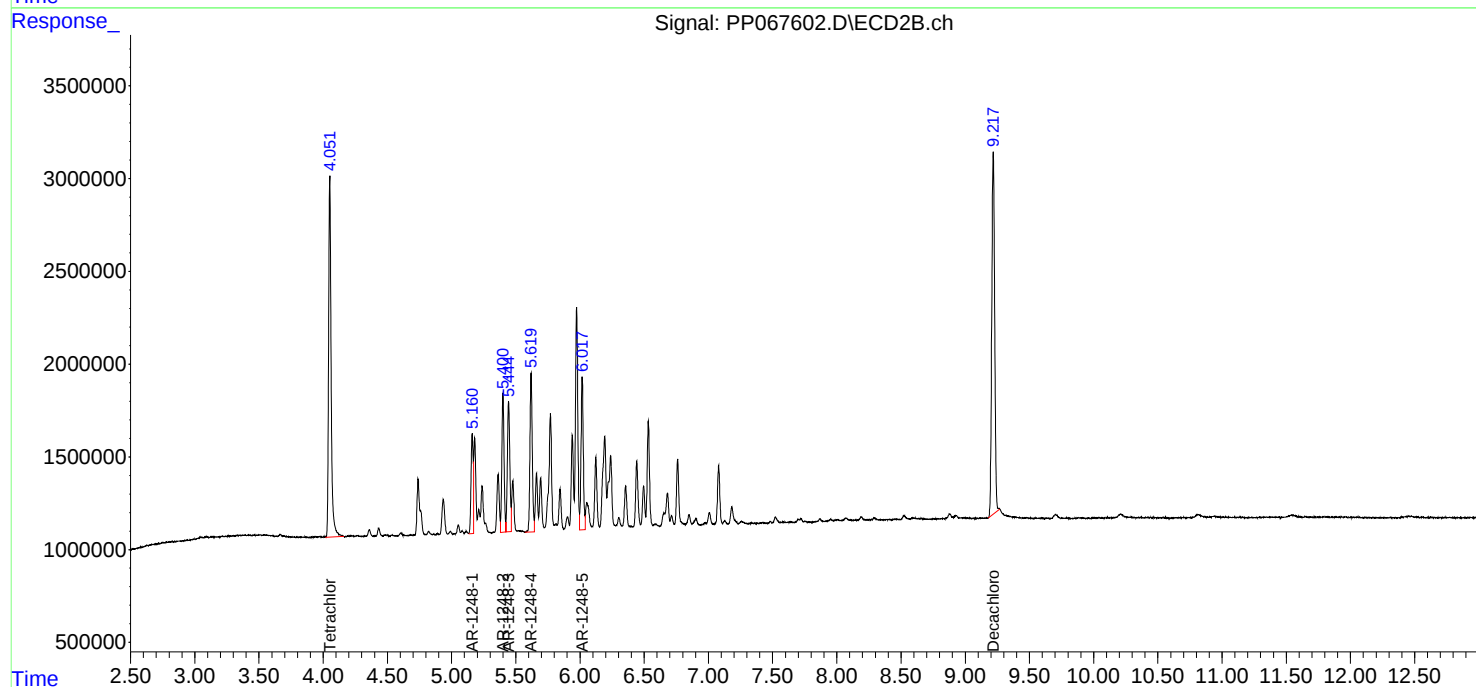
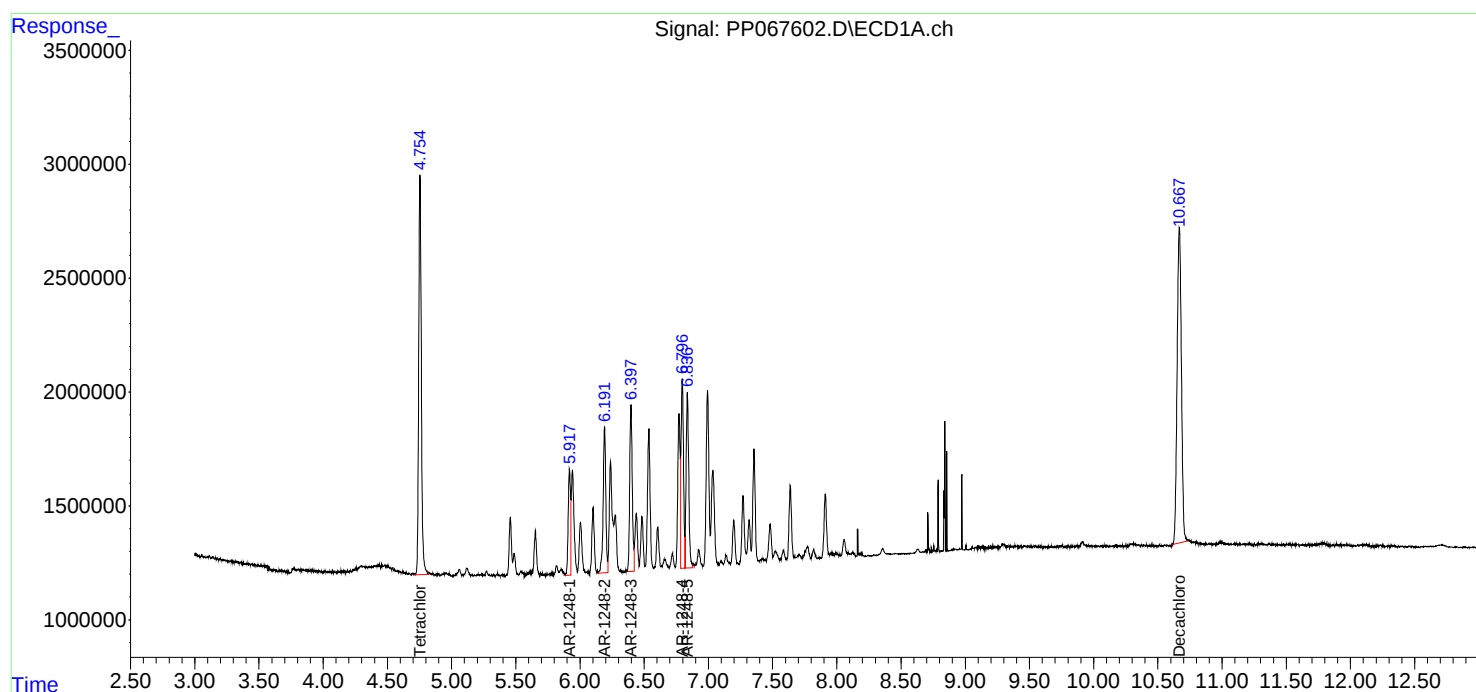
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

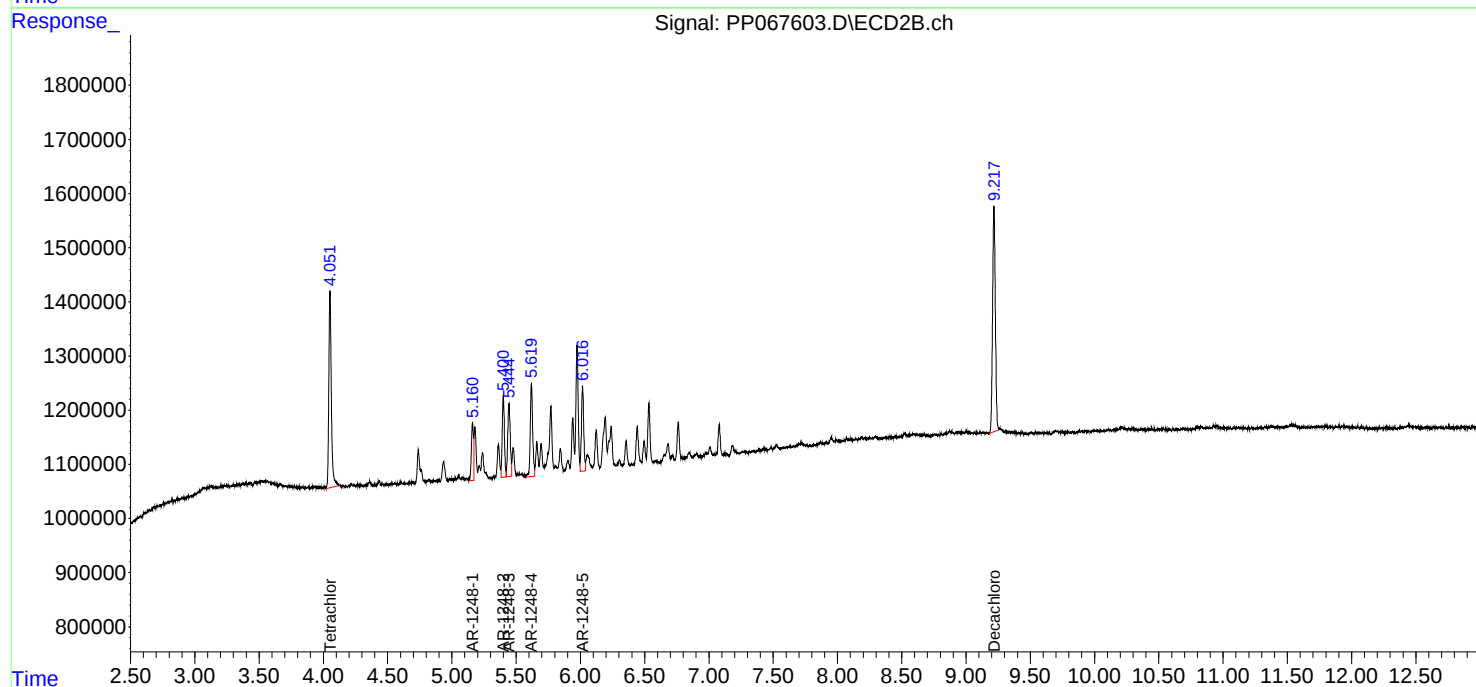
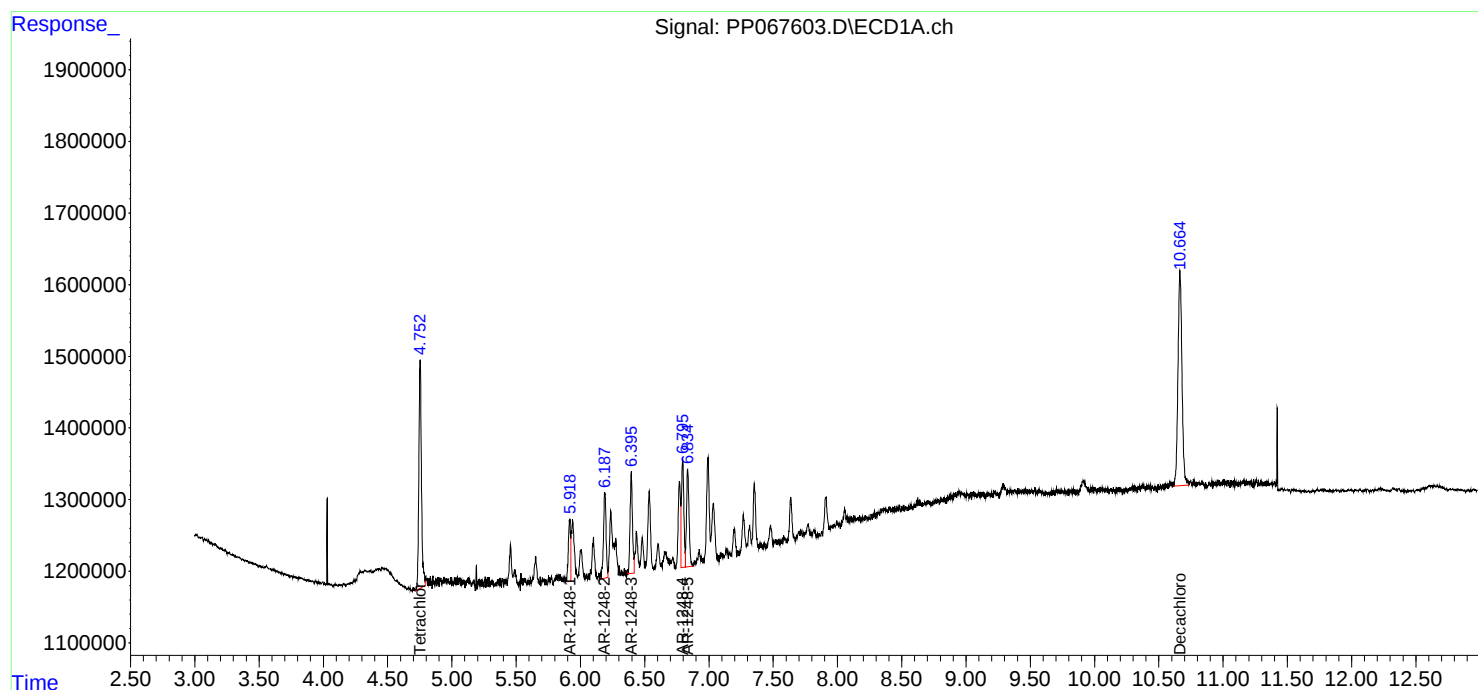
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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 0.50µ 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

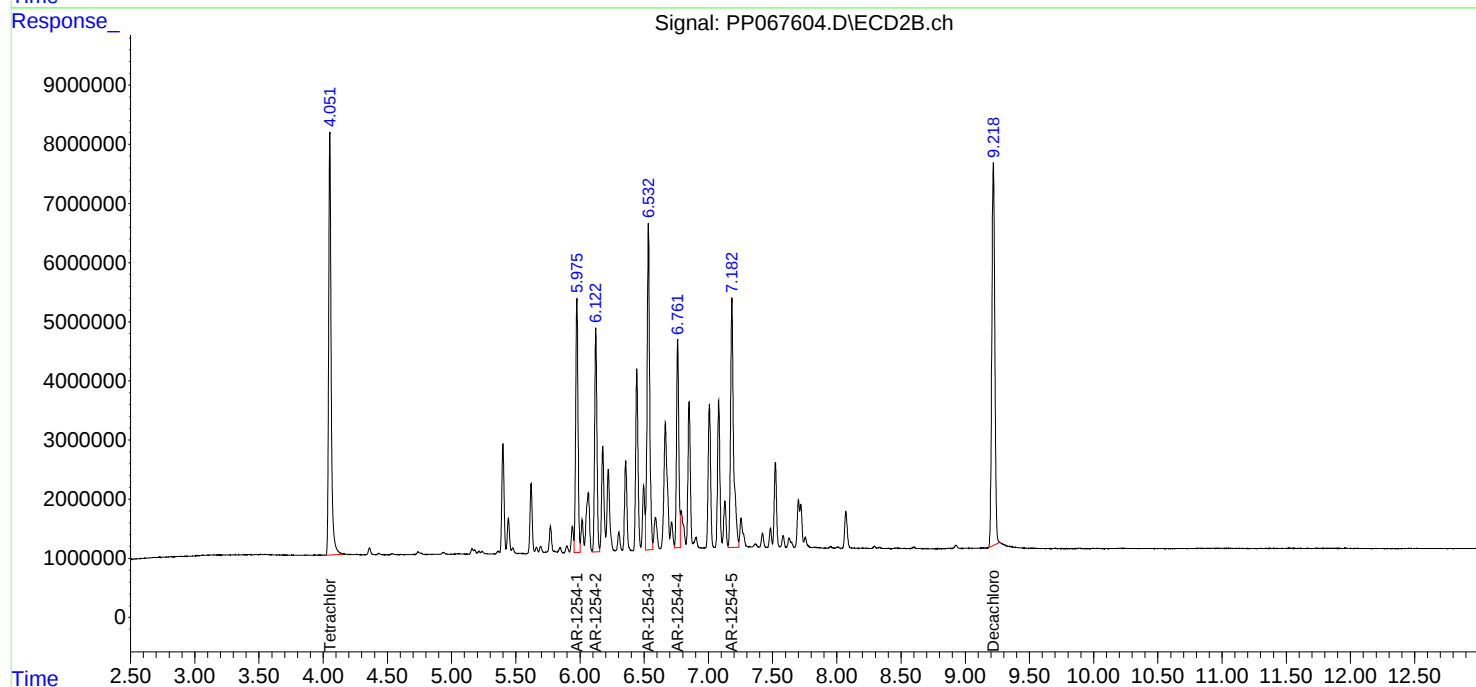
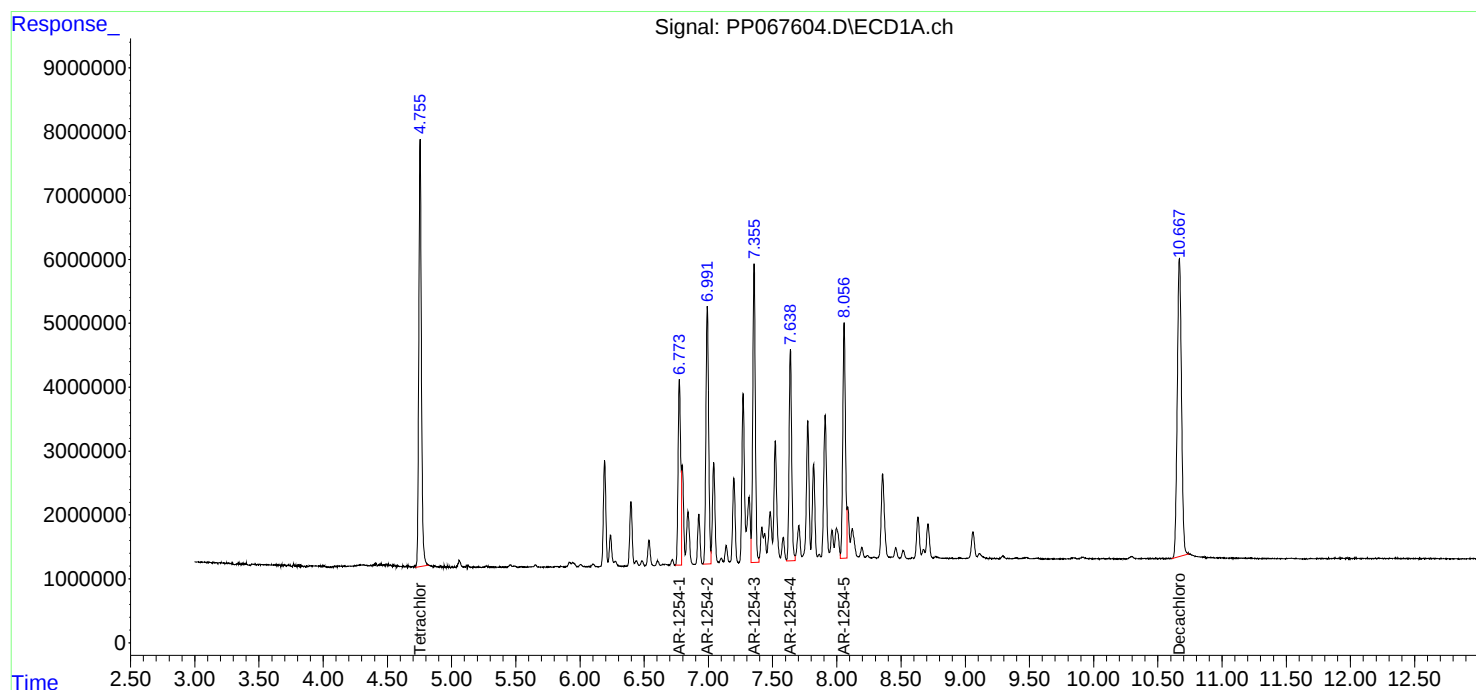
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

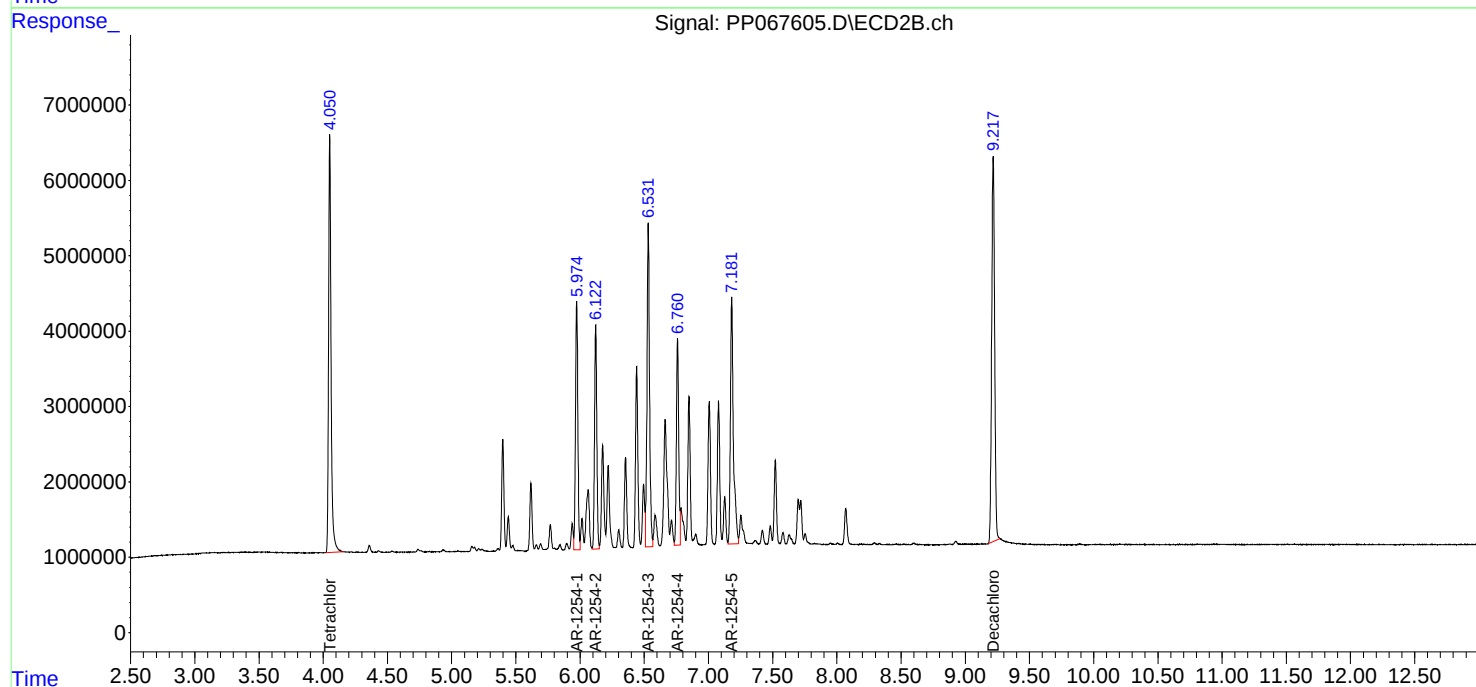
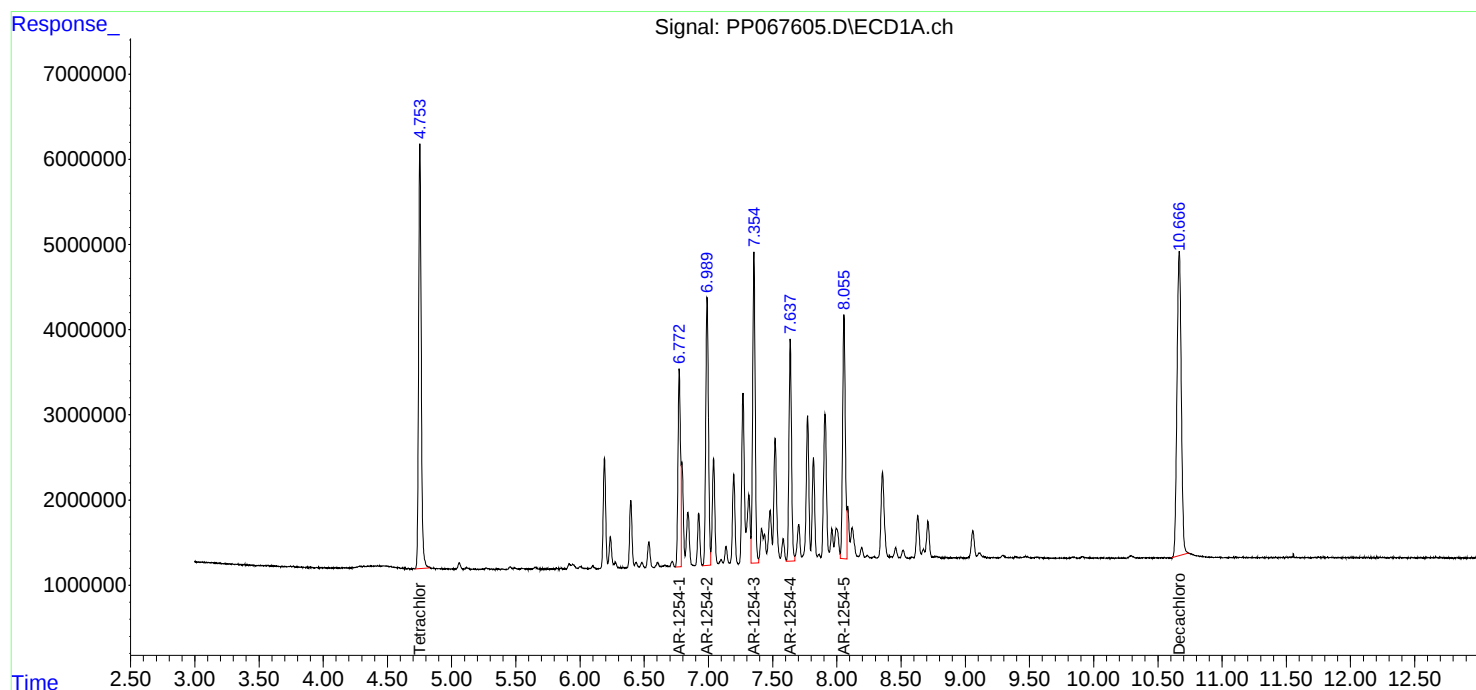
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

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

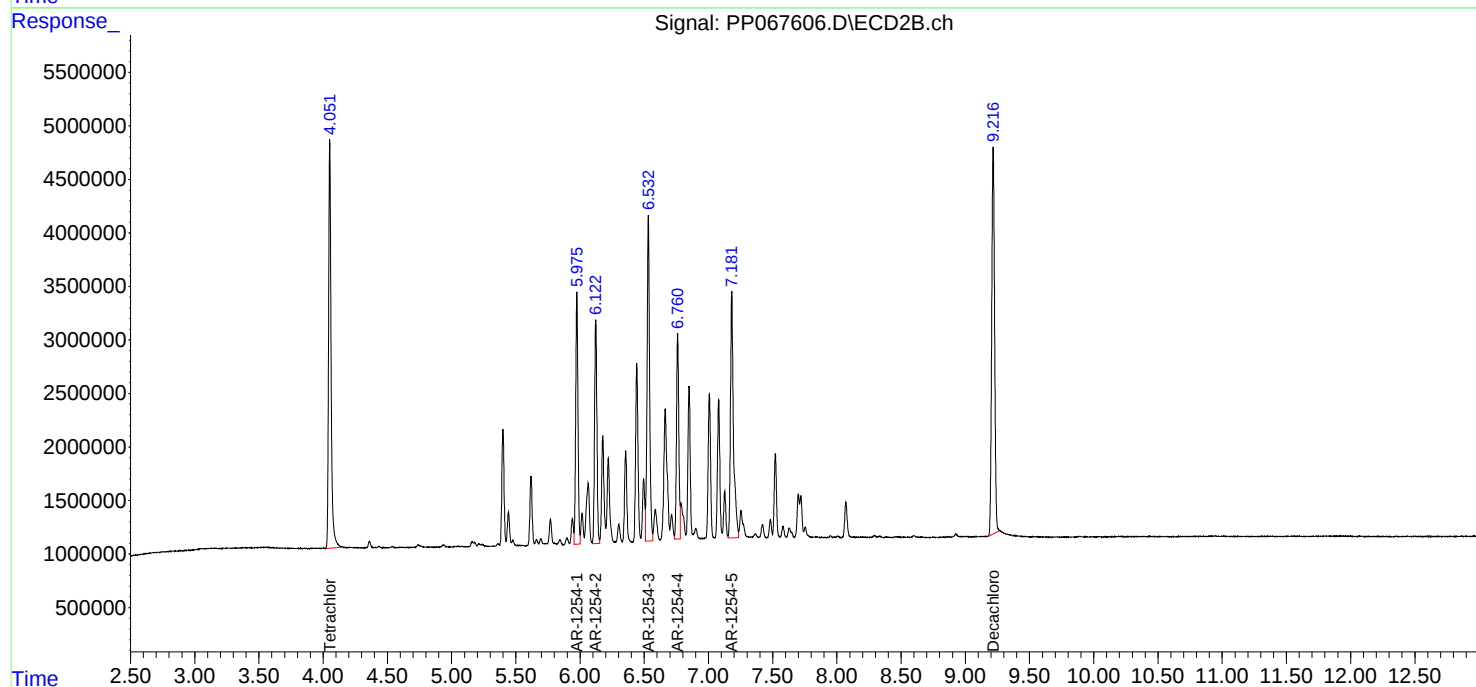
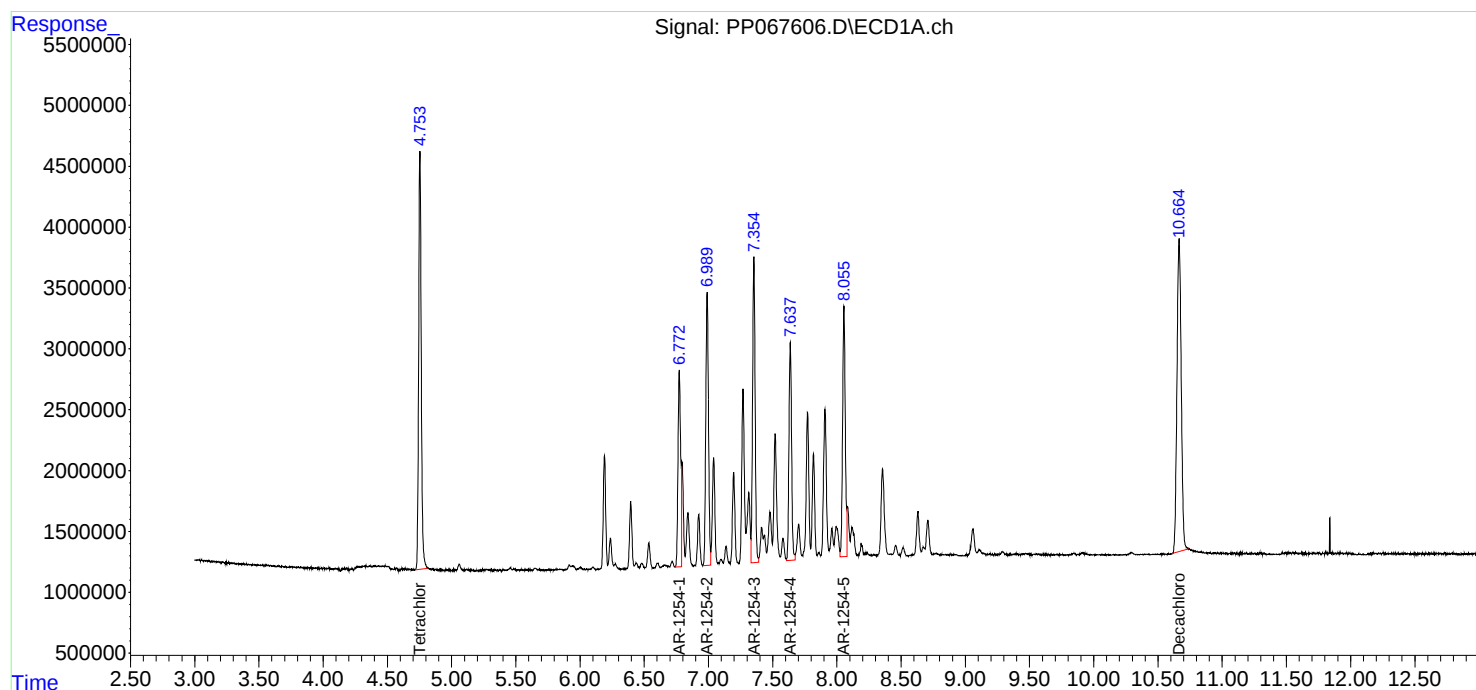
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

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

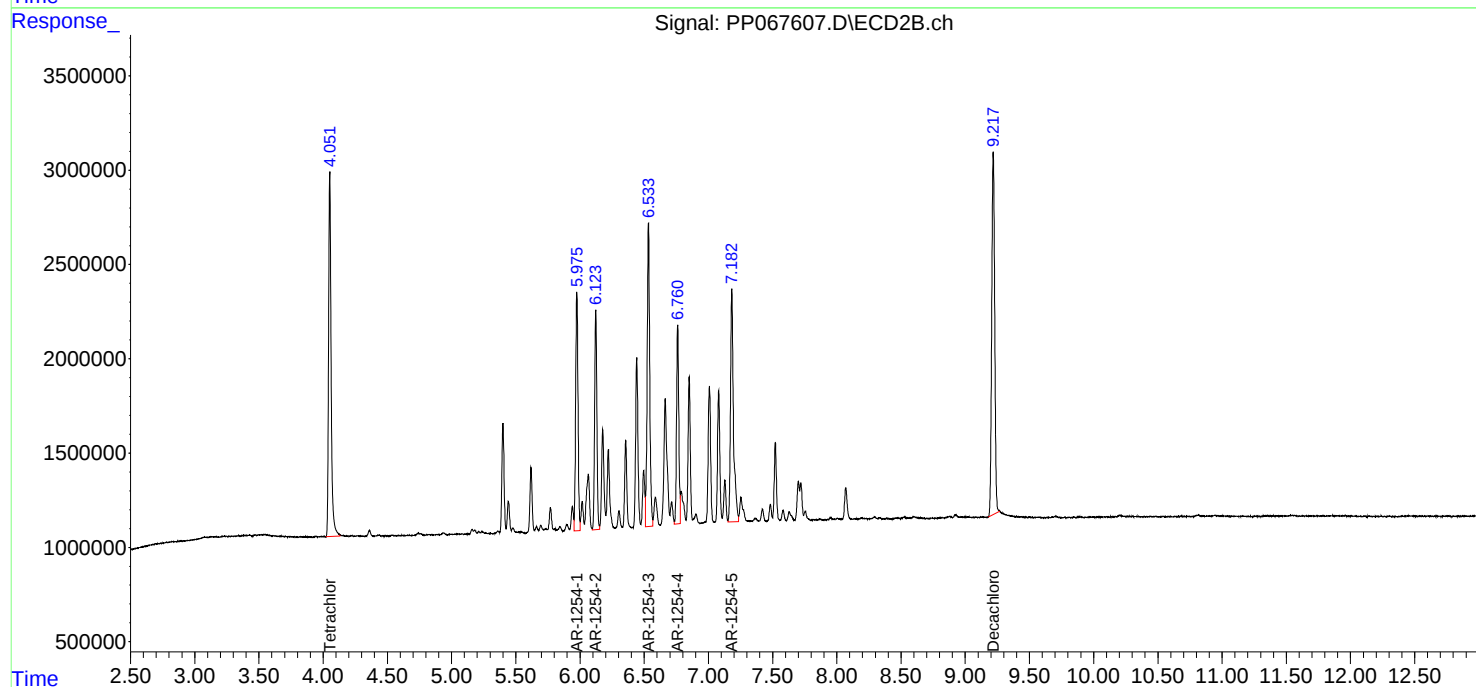
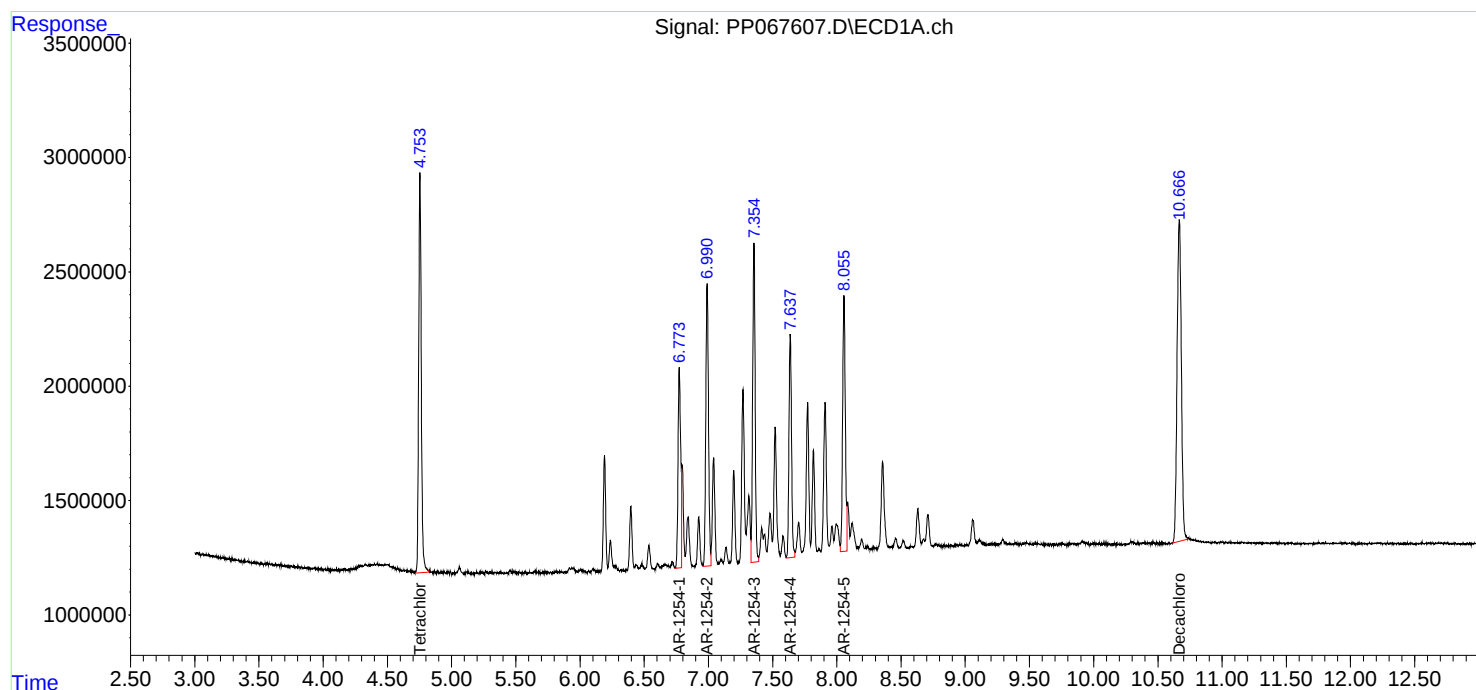
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

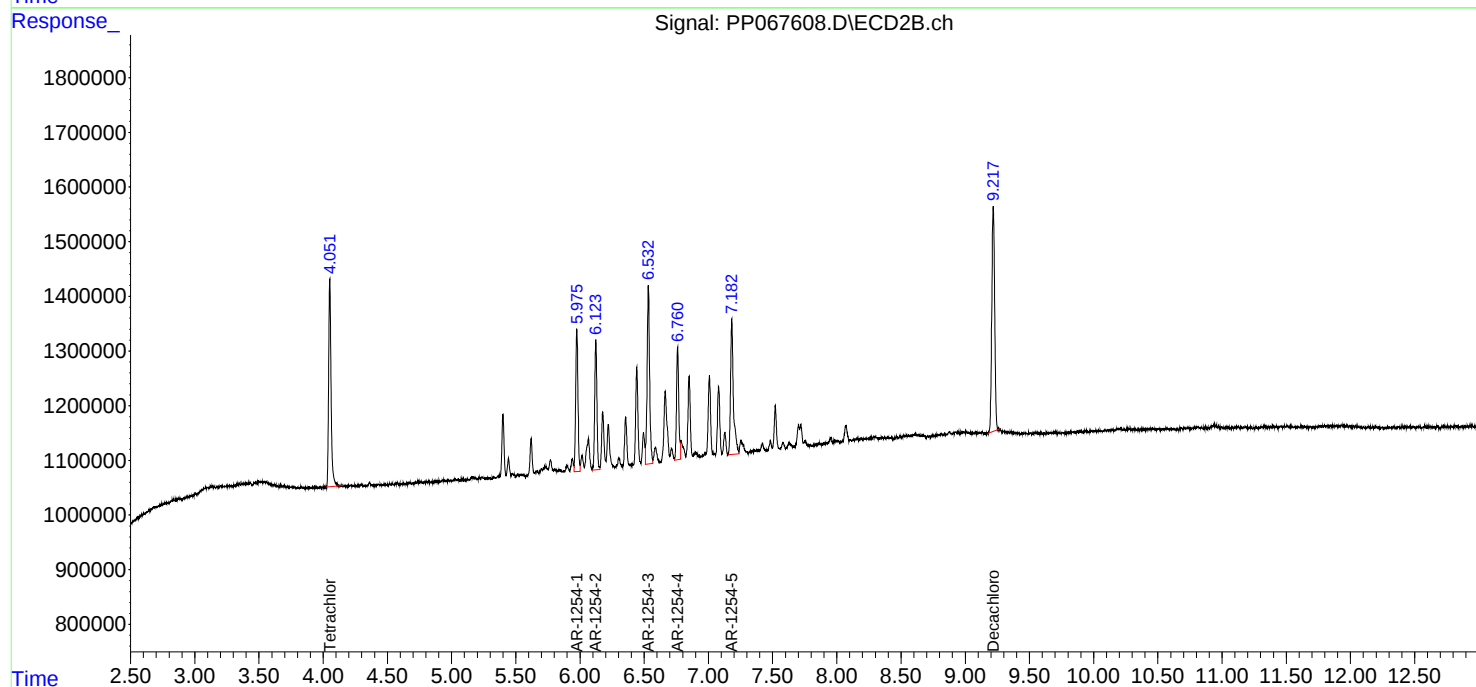
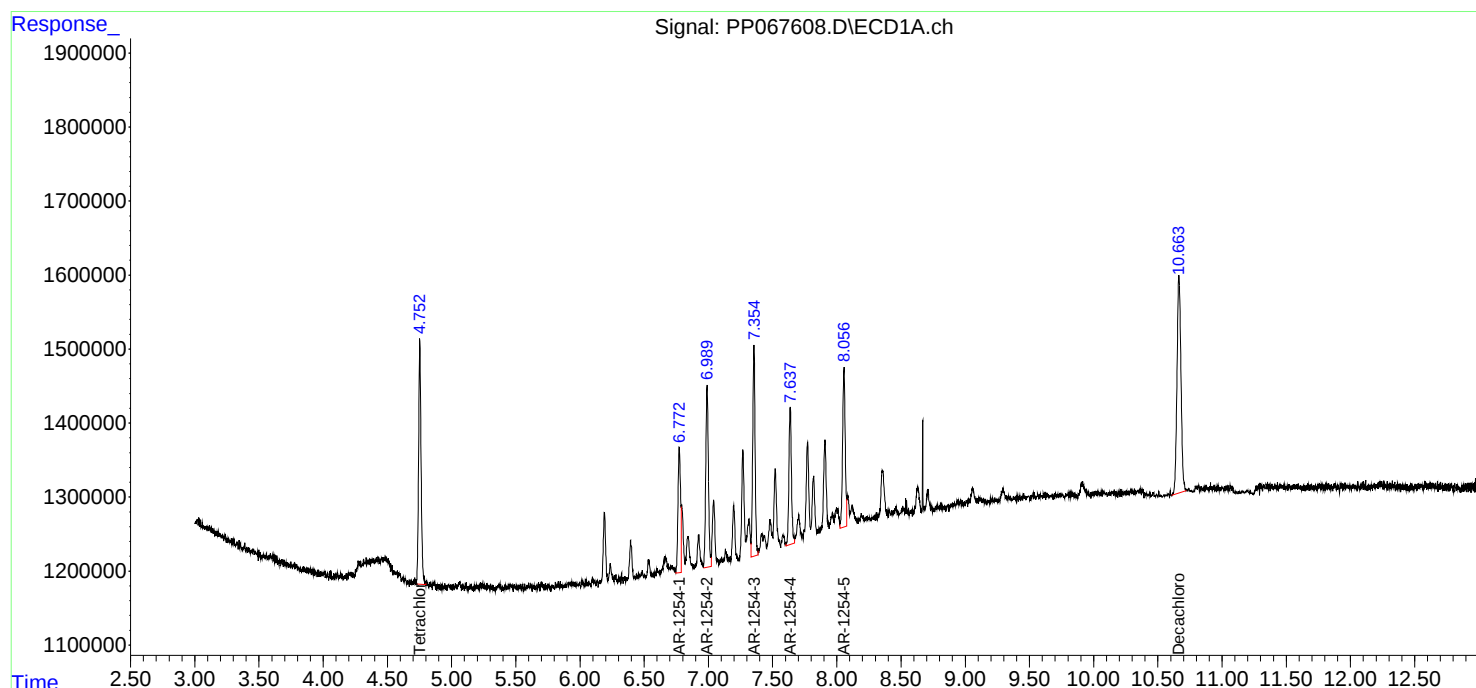
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

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

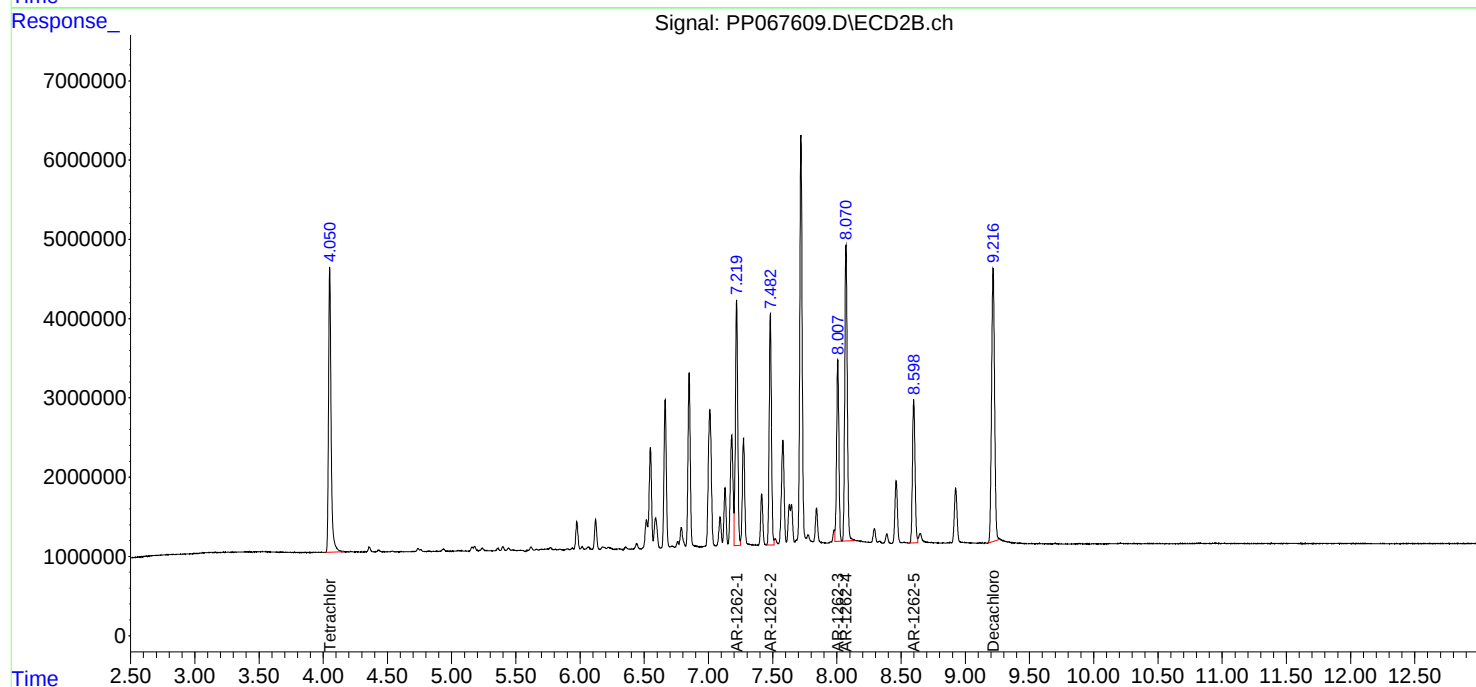
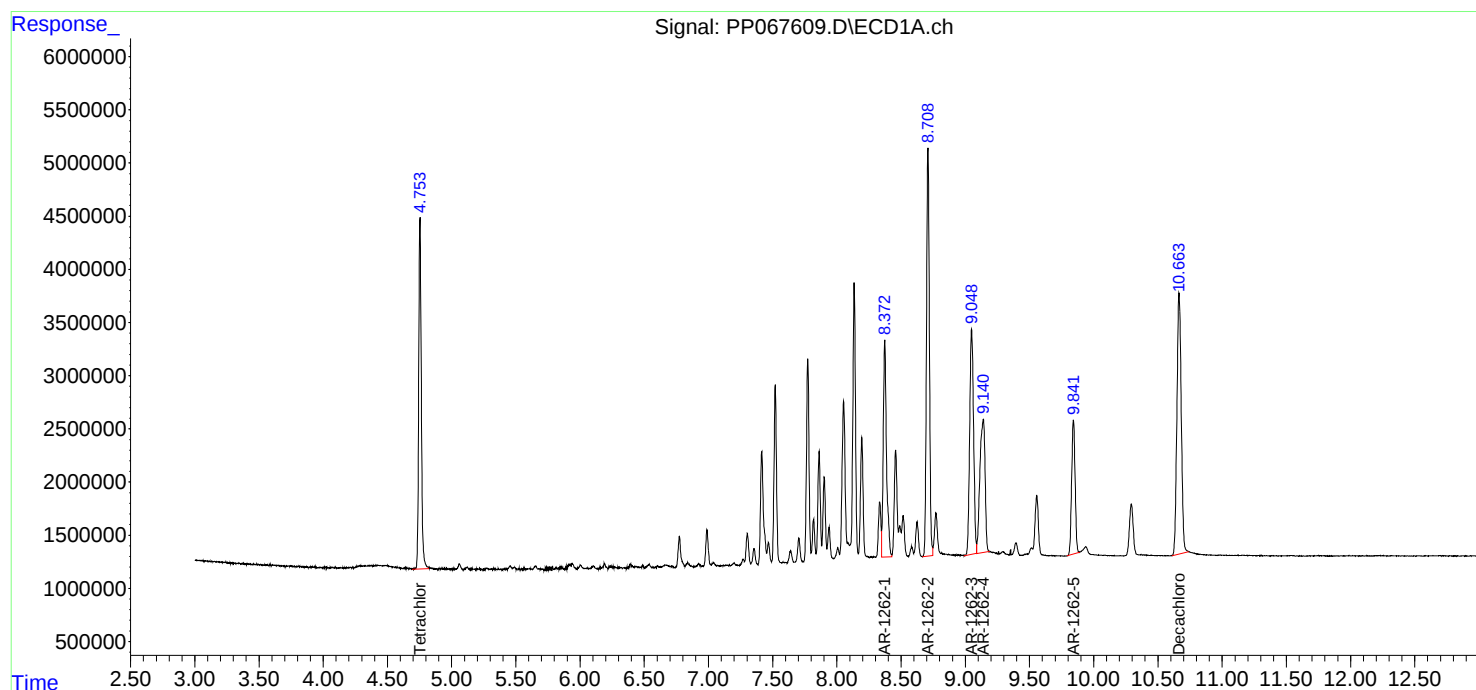
Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

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

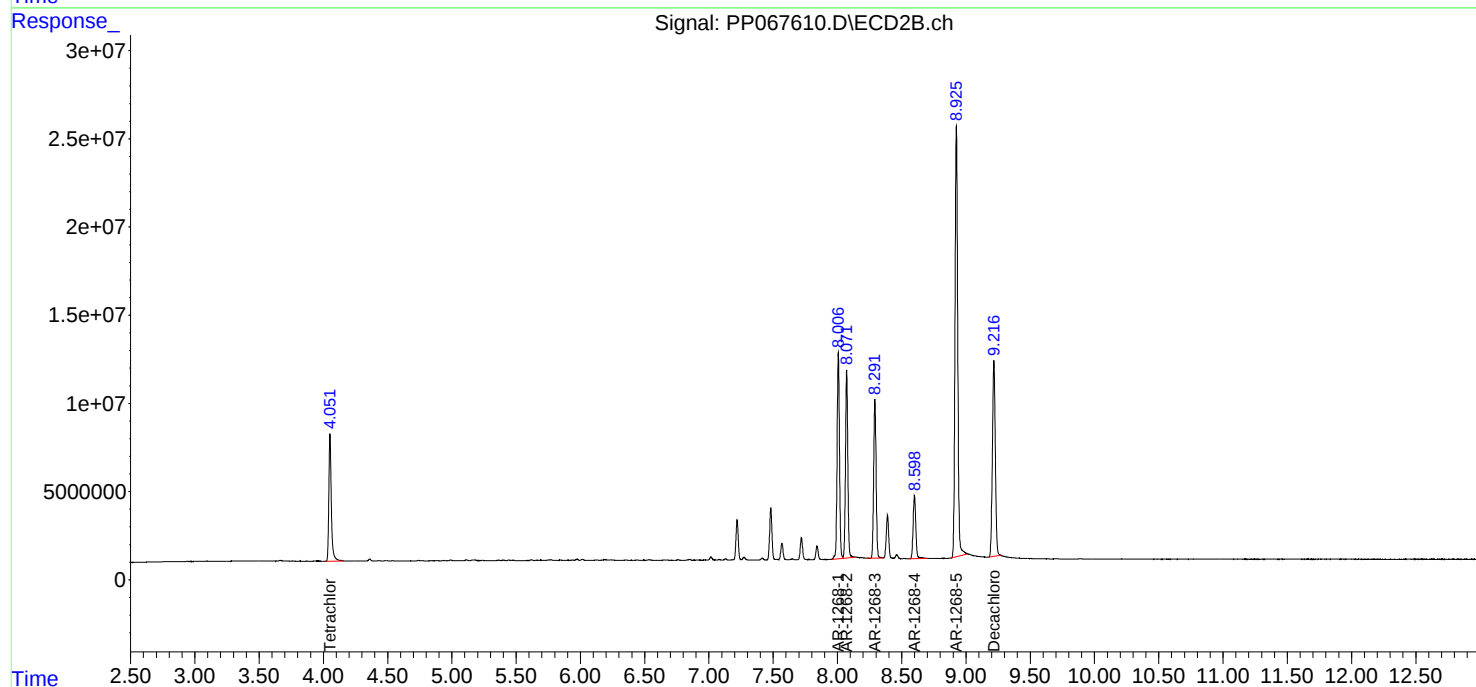
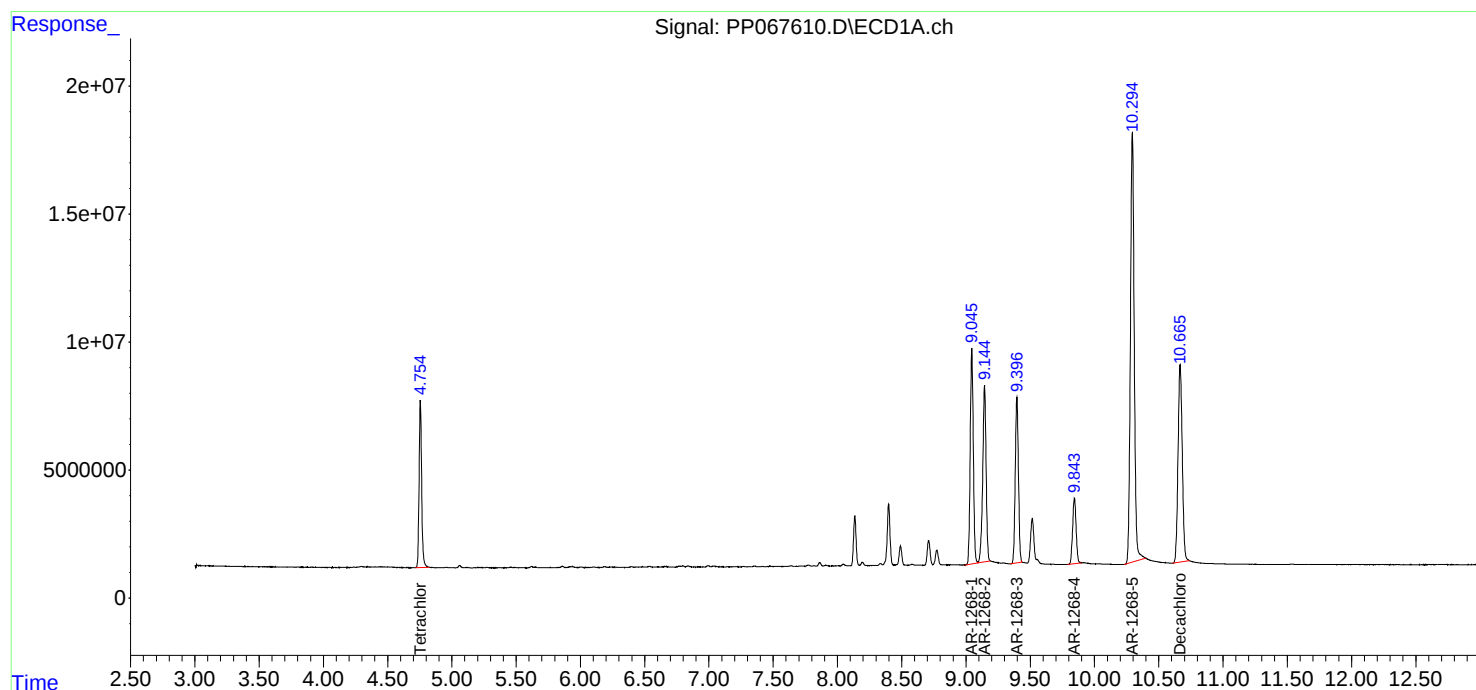
APPROVED

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

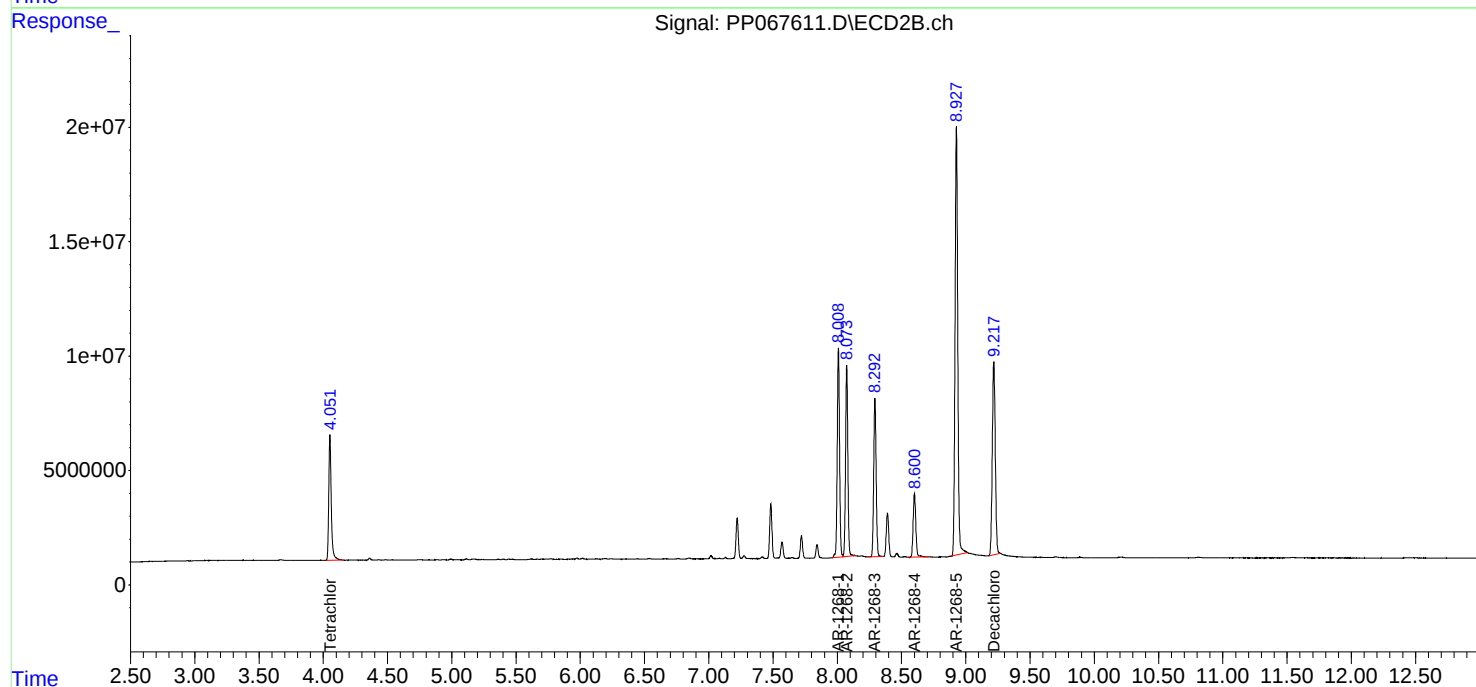
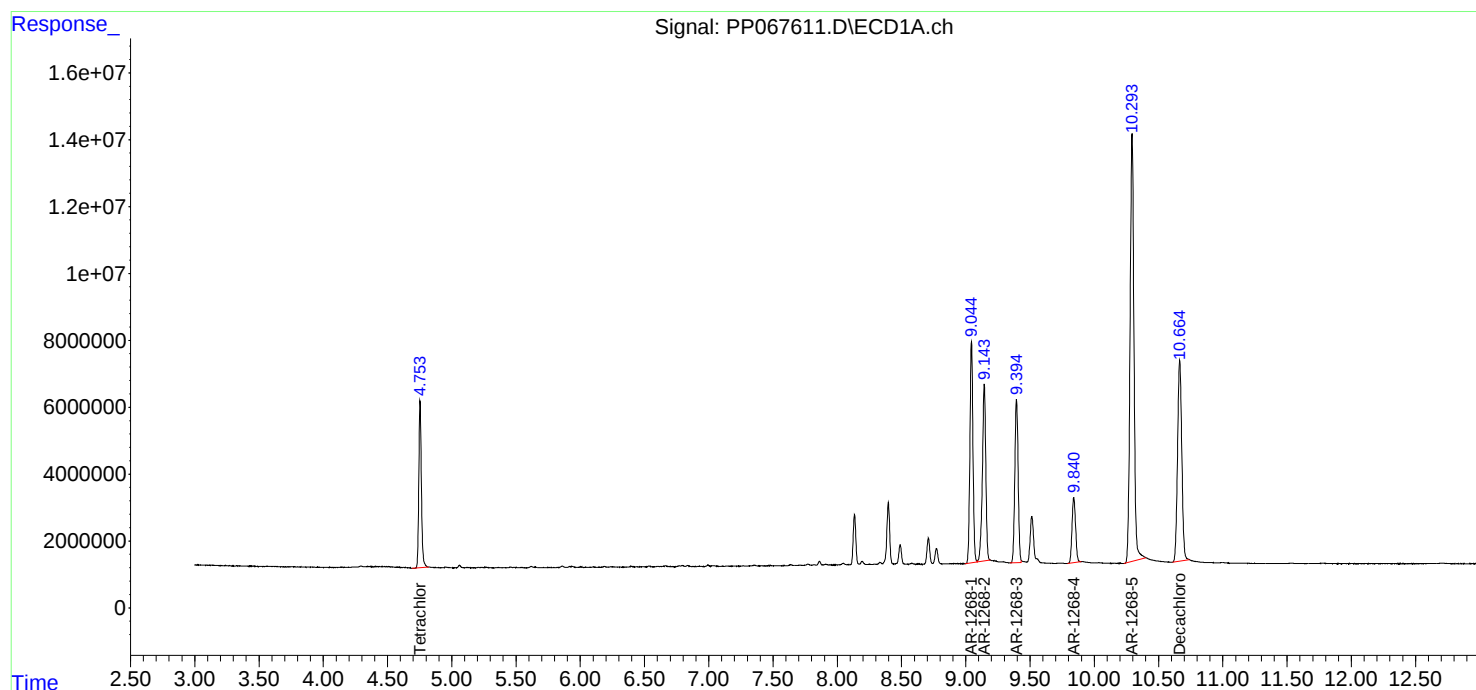
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

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

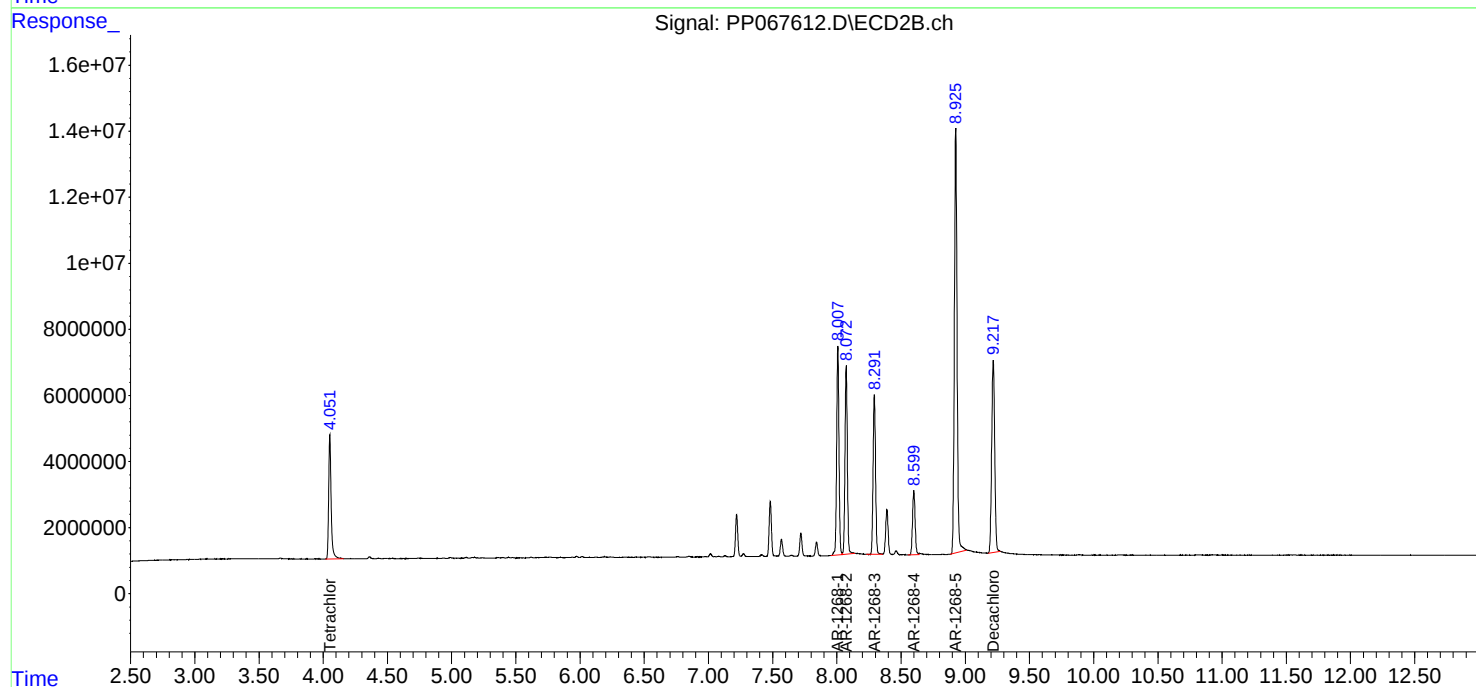
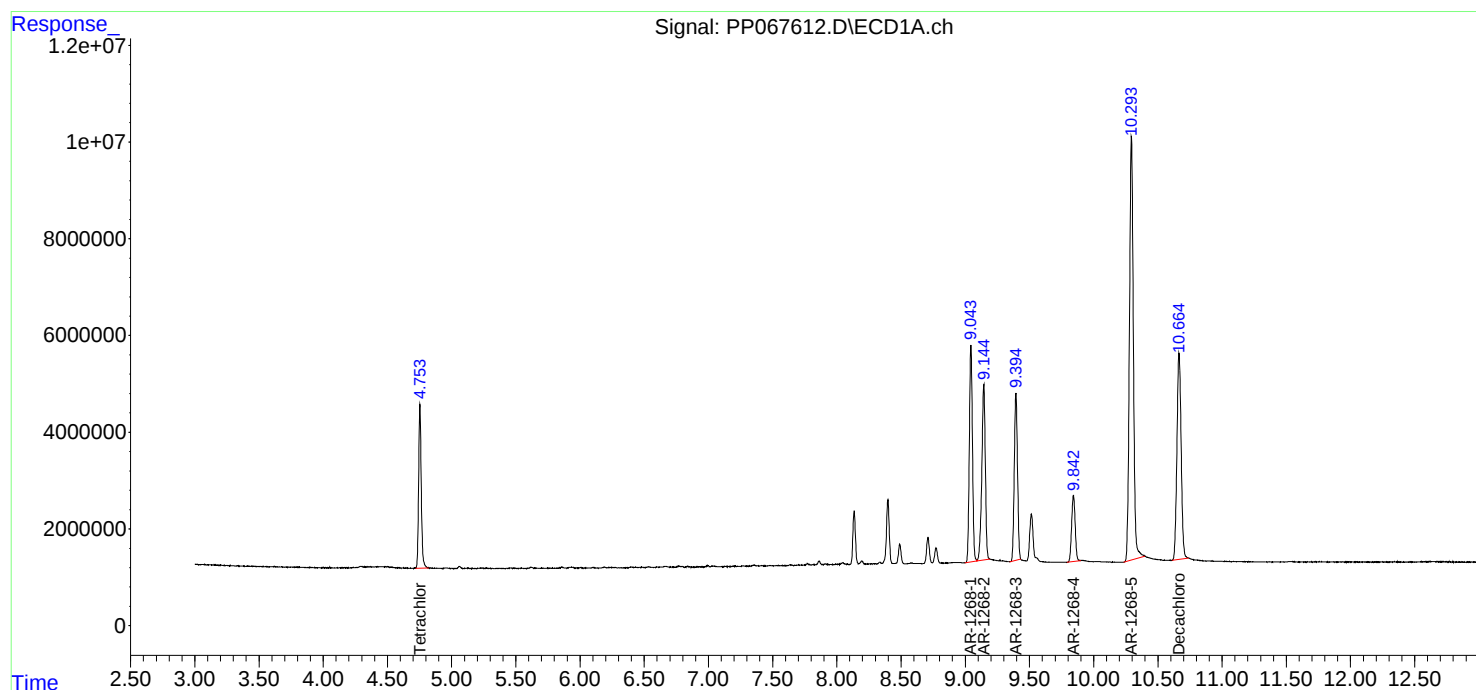
Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

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

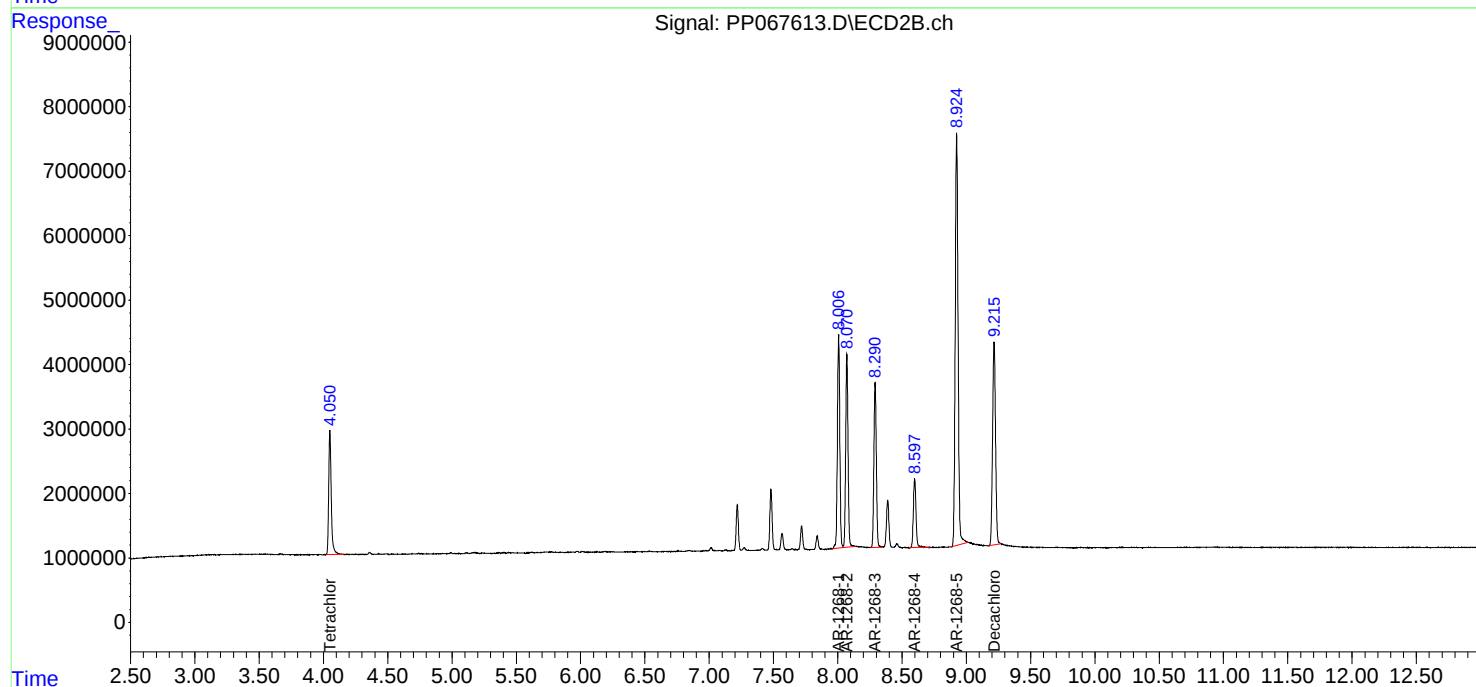
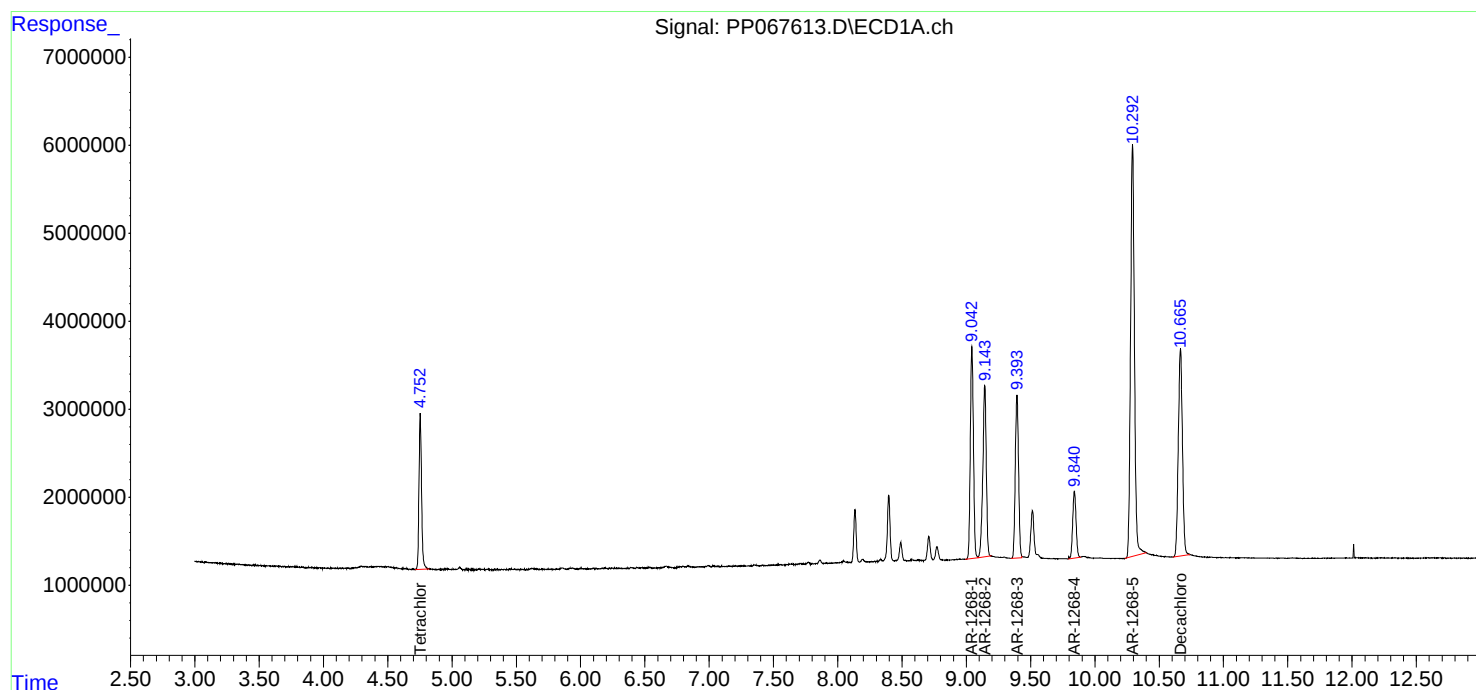
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

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

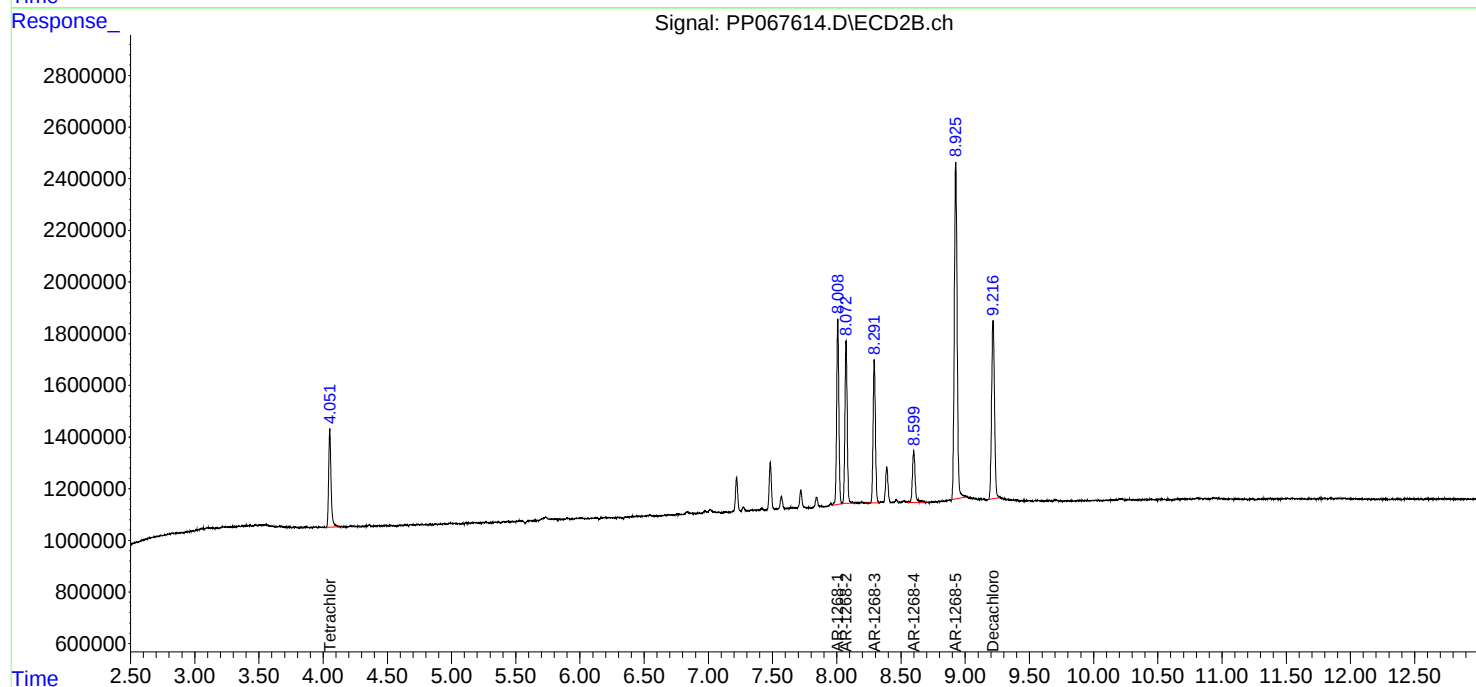
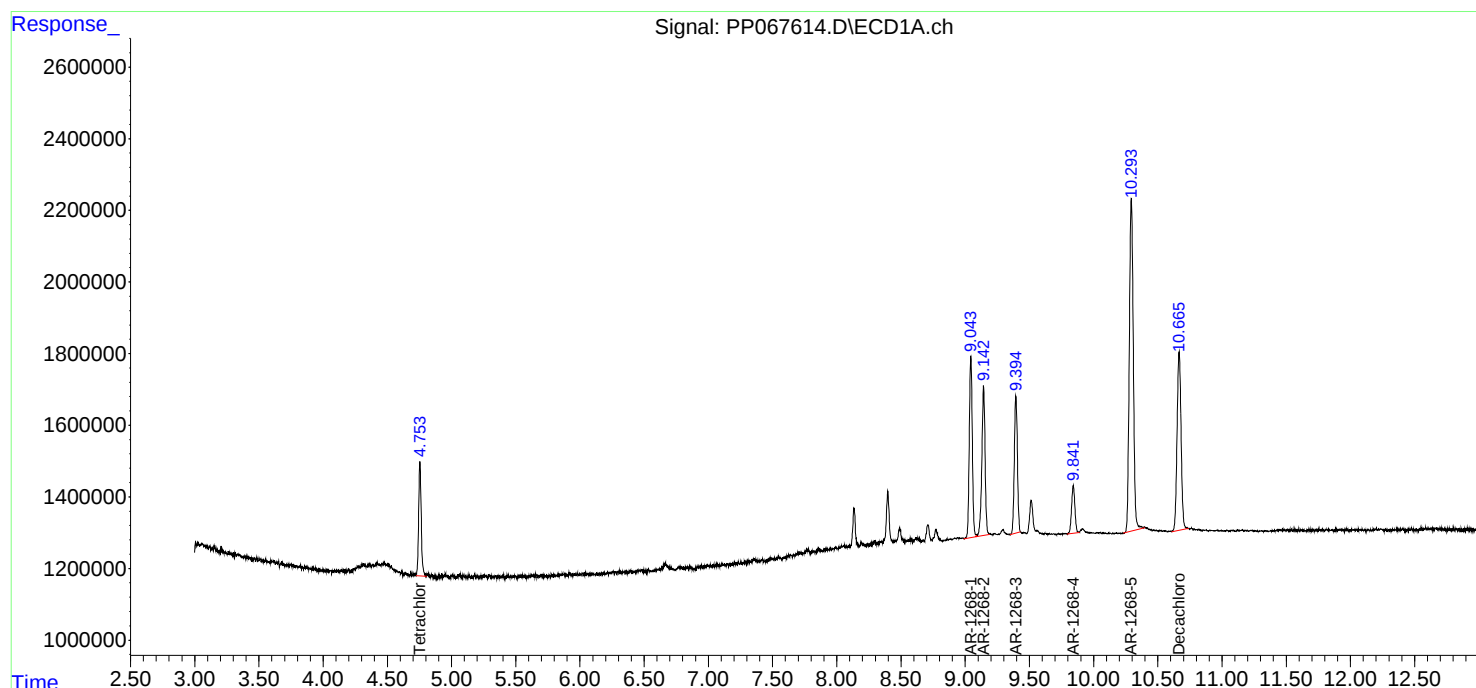
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

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

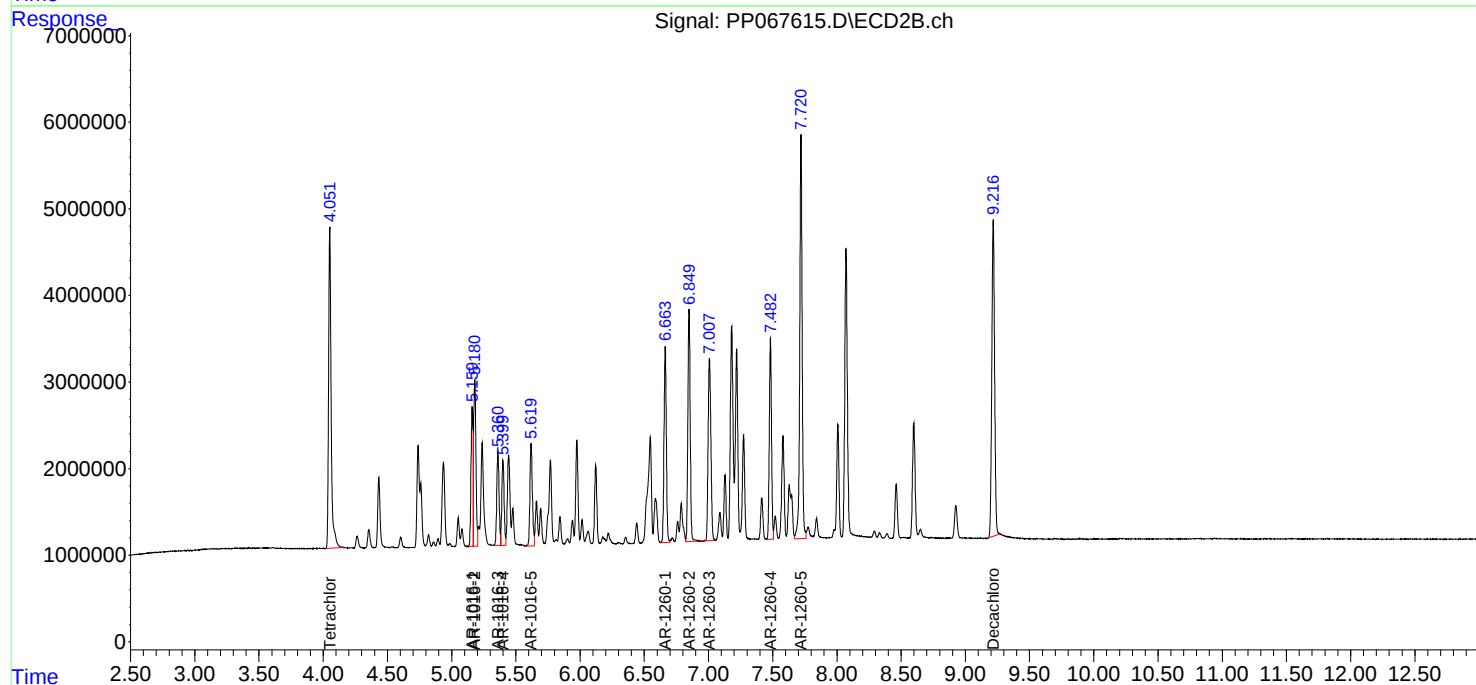
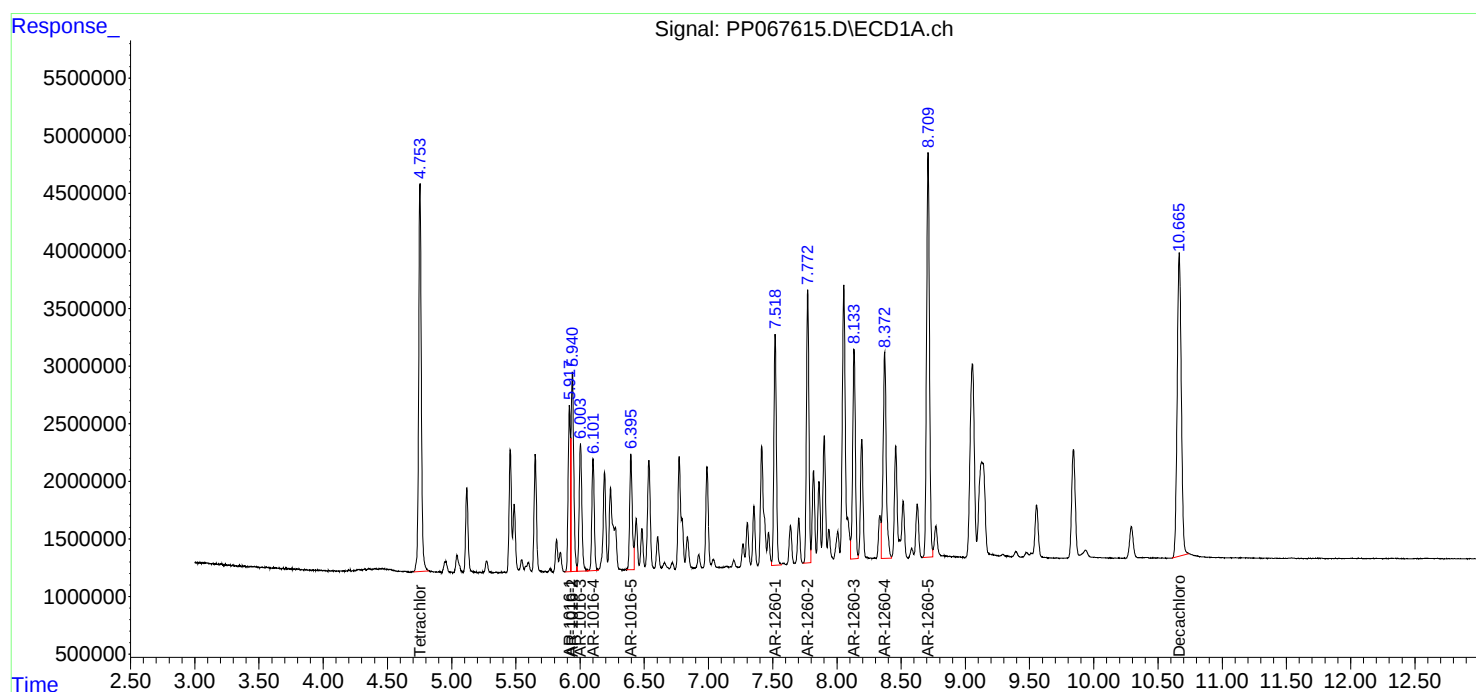
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

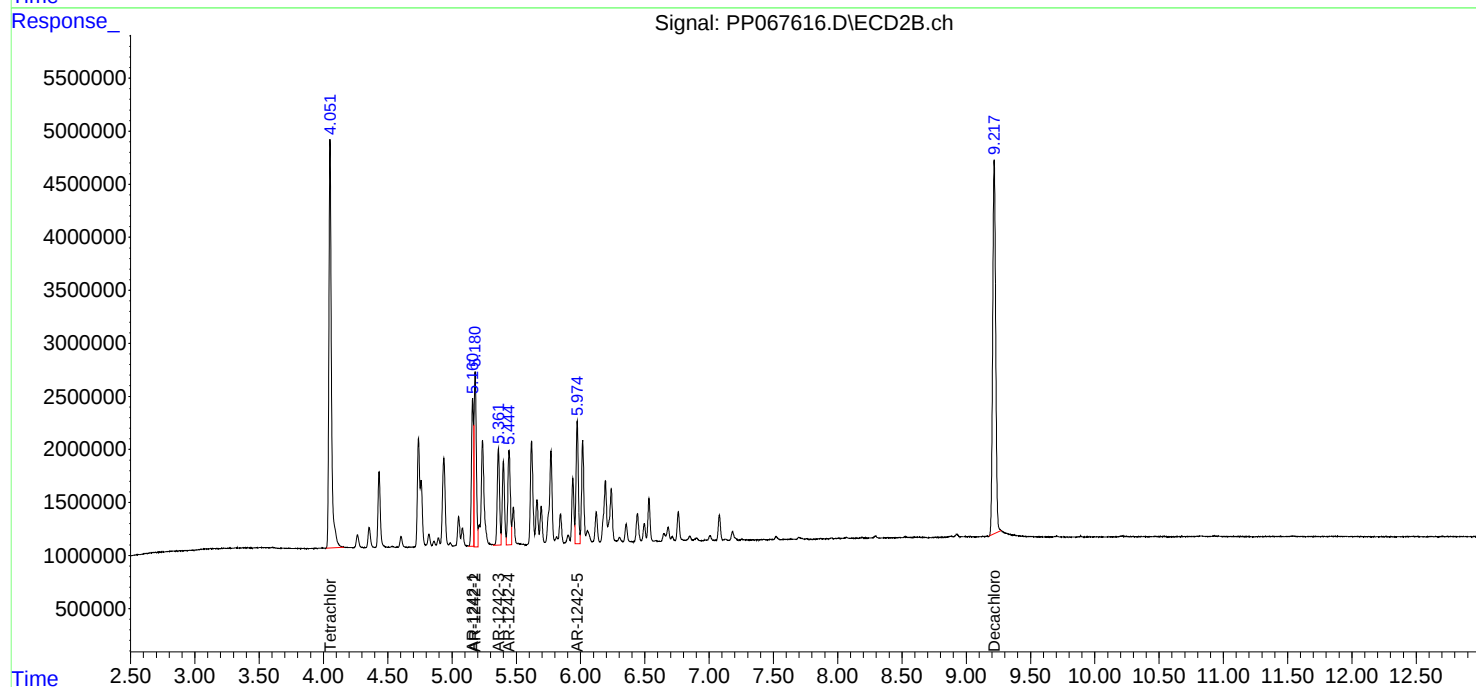
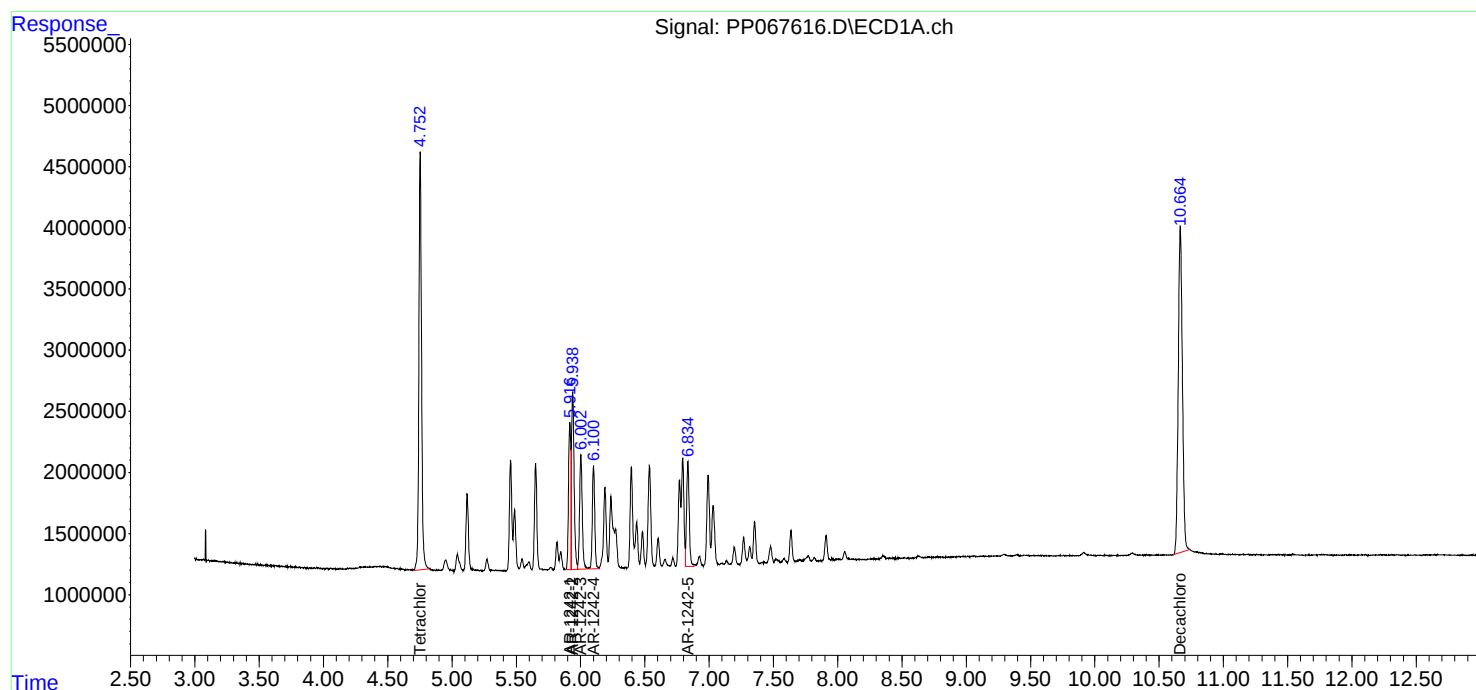
Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1242

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 0.50µ 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

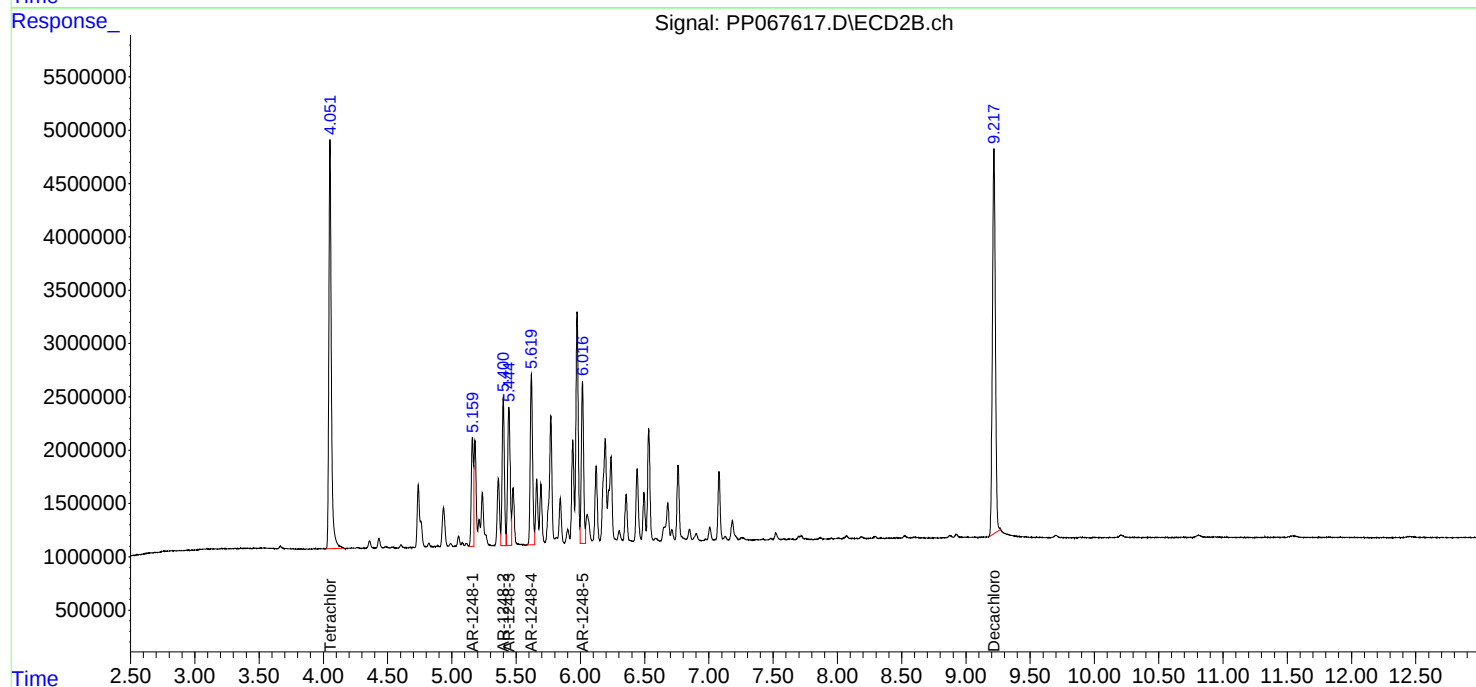
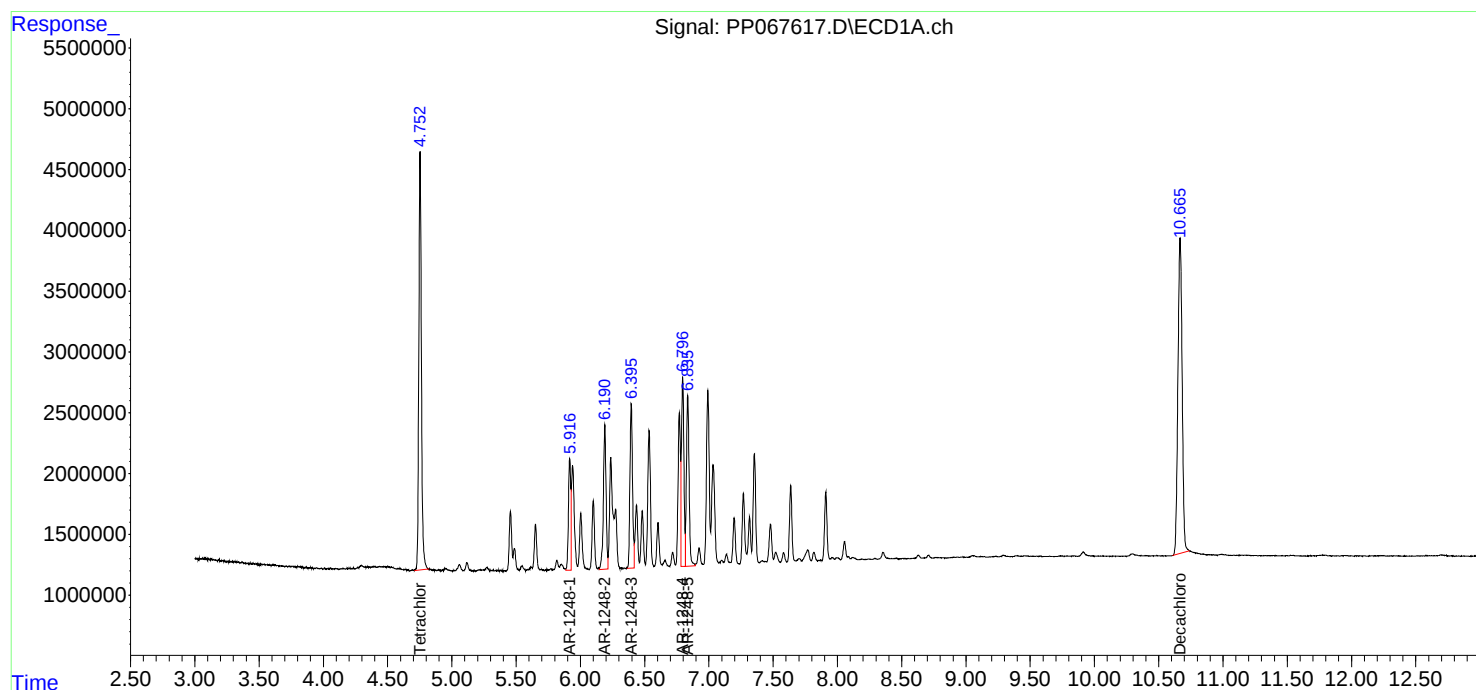
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

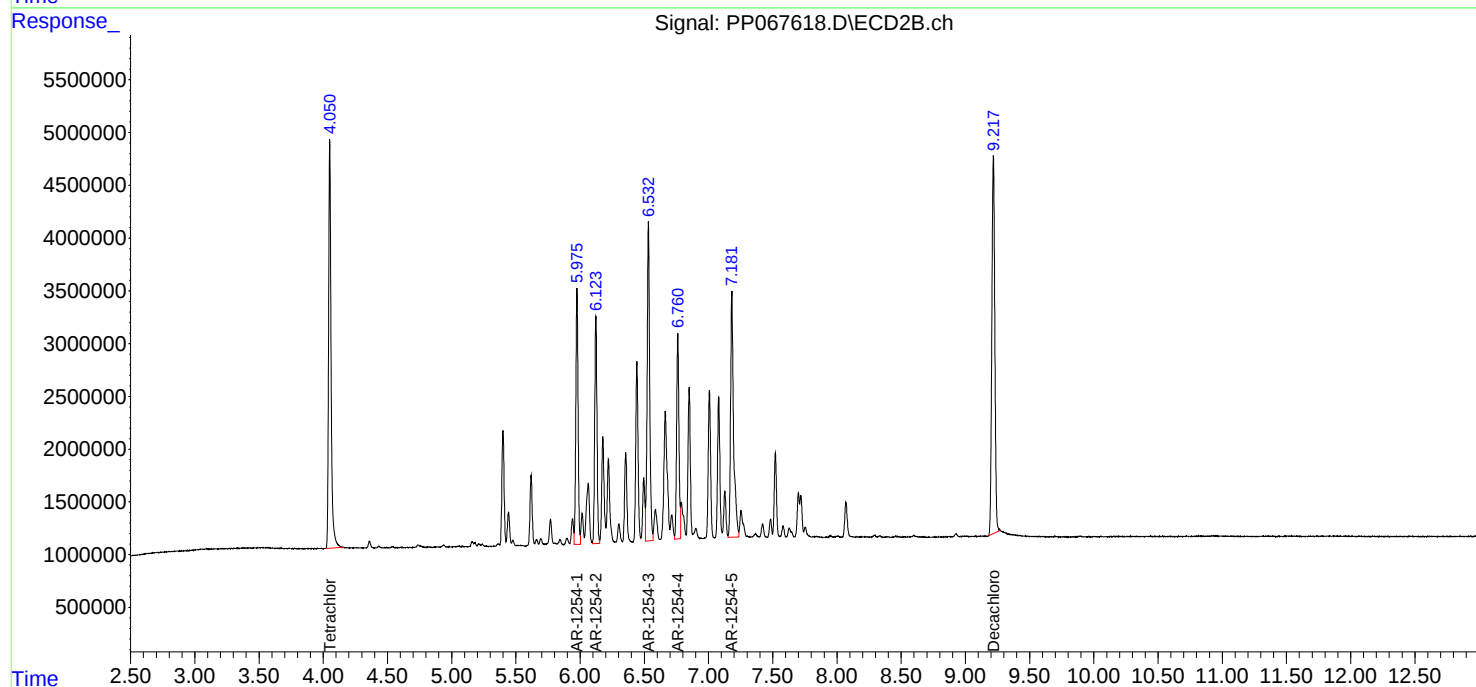
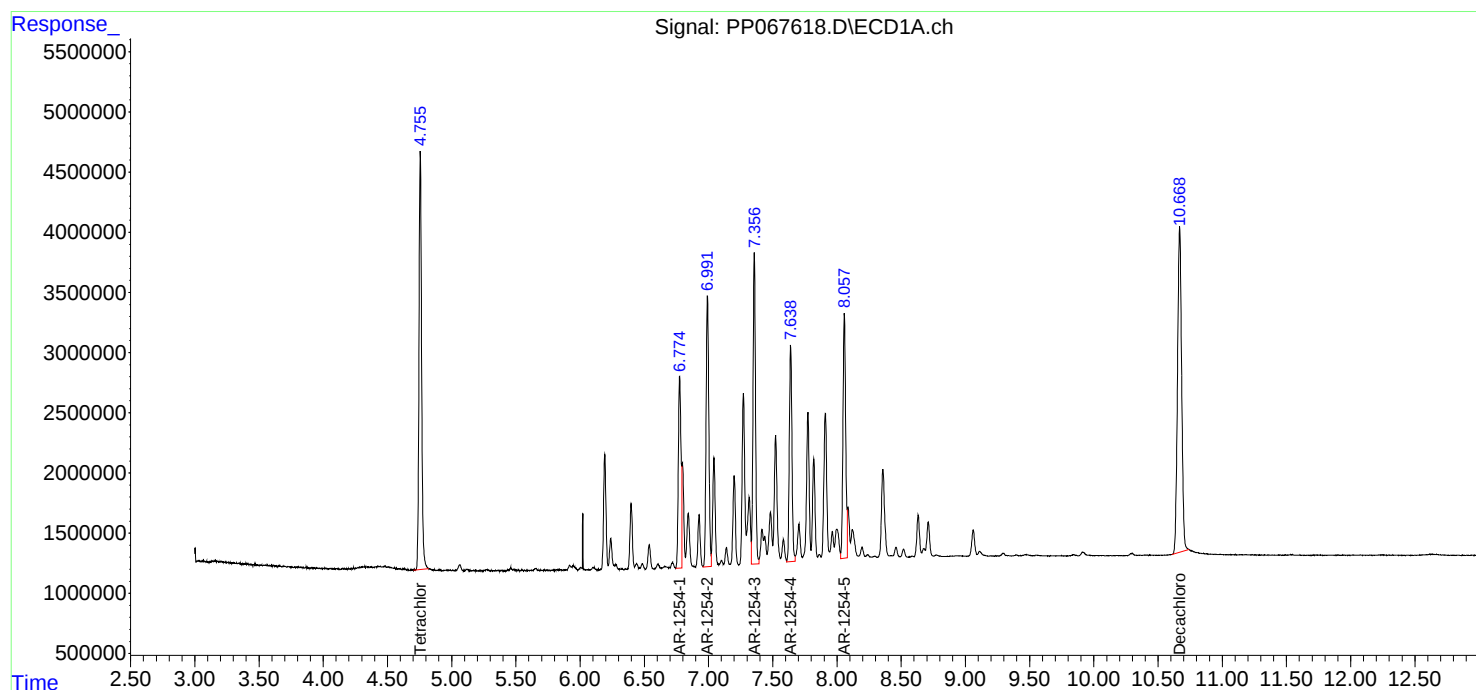
Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1254

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

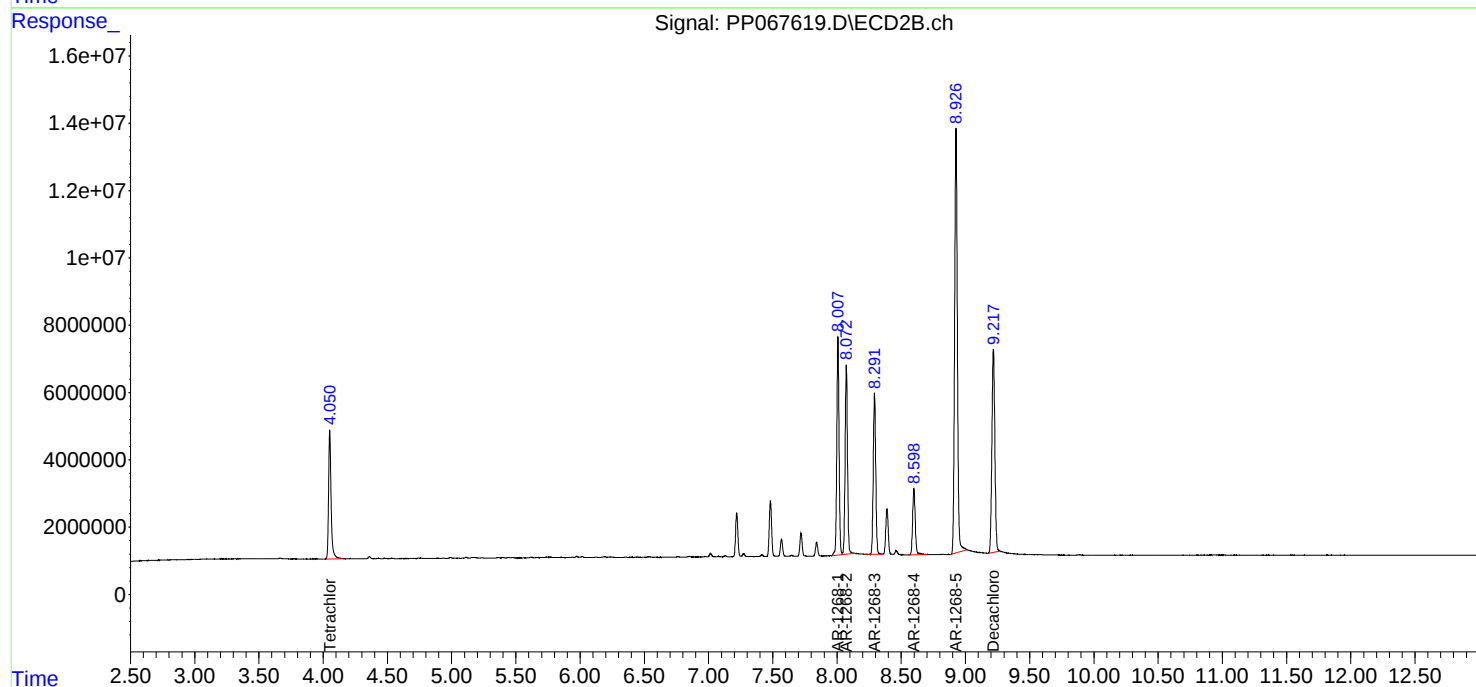
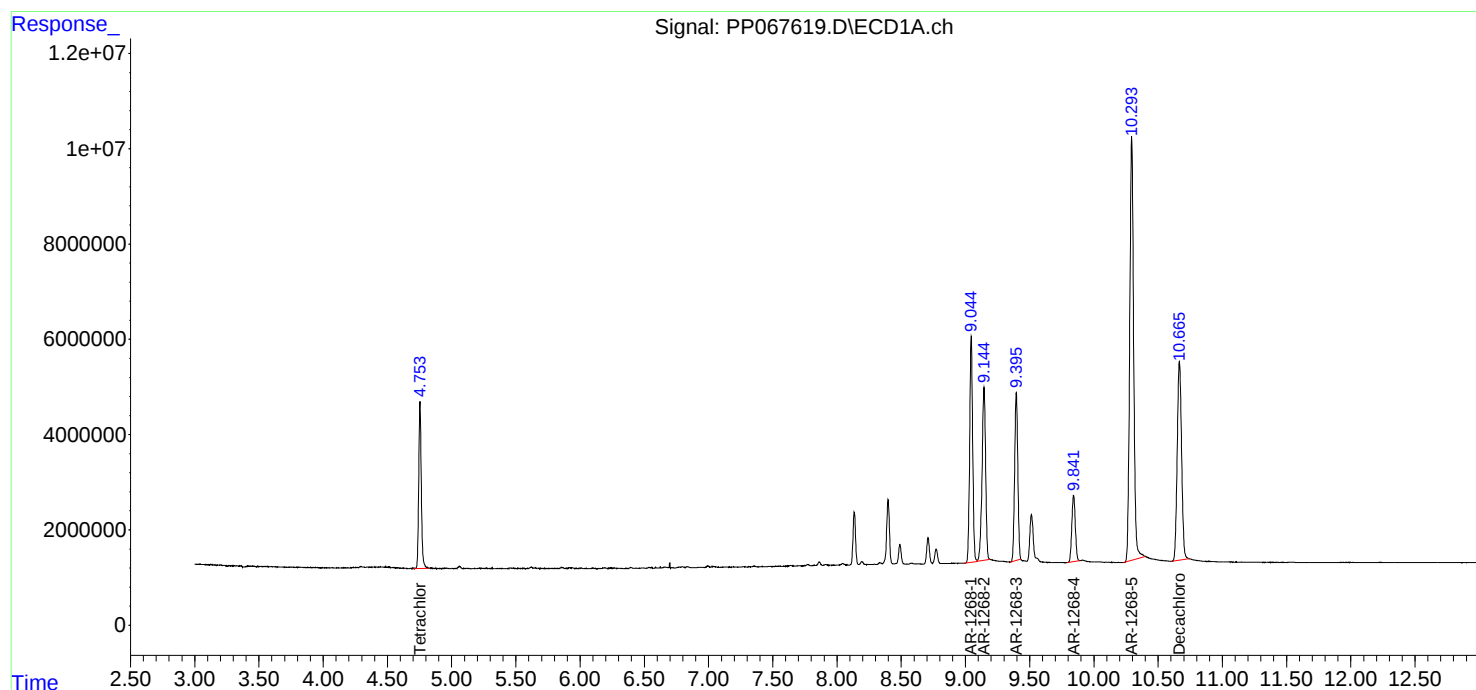
Instrument :
ECD_P
ClientSampleId :
ICVPP100824AR1268

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: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Continuing Calib Date: 10/21/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 11:58 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.74	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.06	10.06	9.96	10.16	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Continuing Calib Date: 10/21/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 11:58 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.73	4.73	4.63	4.83	0.00
Aroclor-1016-2	(2)	4.75	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL01 Date Analyzed: 10/21/2024

Lab Sample No.: AR1660CCC500 Data File : PO107293.D Time Analyzed: 11:58

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.521	5.423	5.623	506.980	500.000	1.4
Aroclor-1016-2	5.544	5.445	5.645	491.800	500.000	-1.6
Aroclor-1016-3	5.605	5.507	5.707	459.940	500.000	-8.0
Aroclor-1016-4	5.702	5.604	5.804	484.940	500.000	-3.0
Aroclor-1016-5	5.997	5.899	6.099	482.770	500.000	-3.4
Aroclor-1260-1	7.124	7.026	7.226	492.220	500.000	-1.6
Aroclor-1260-2	7.379	7.282	7.482	524.180	500.000	4.8
Aroclor-1260-3	7.742	7.643	7.843	510.390	500.000	2.1
Aroclor-1260-4	7.966	7.868	8.068	510.260	500.000	2.1
Aroclor-1260-5	8.280	8.181	8.381	544.830	500.000	9.0
Decachlorobiphenyl	10.057	9.958	10.158	50.010	50.000	0.0
Tetrachloro-m-xylene	4.373	4.274	4.474	51.260	50.000	2.5



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL01 Date Analyzed: 10/21/2024

Lab Sample No.: AR1660CCC500 Data File : PO107293.D Time Analyzed: 11:58

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.726	4.626	4.826	514.630	500.000	2.9
Aroclor-1016-2	4.745	4.645	4.845	527.080	500.000	5.4
Aroclor-1016-3	4.921	4.821	5.021	492.510	500.000	-1.5
Aroclor-1016-4	4.961	4.862	5.062	451.280	500.000	-9.7
Aroclor-1016-5	5.175	5.076	5.276	491.380	500.000	-1.7
Aroclor-1260-1	6.206	6.107	6.307	518.020	500.000	3.6
Aroclor-1260-2	6.393	6.294	6.494	537.770	500.000	7.6
Aroclor-1260-3	6.546	6.448	6.648	527.570	500.000	5.5
Aroclor-1260-4	7.016	6.918	7.118	517.840	500.000	3.6
Aroclor-1260-5	7.257	7.159	7.359	546.300	500.000	9.3
Decachlorobiphenyl	8.636	8.539	8.739	51.800	50.000	3.6
Tetrachloro-m-xylene	3.645	3.545	3.745	52.920	50.000	5.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO107293.D
 Data File : PO107293.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2024 11:58
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 07:04:47 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 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...	4.373	3.645	467.2E6	170.3E6	51.262	52.915
2) SA Decachlor...	10.057	8.636	122.7E6	142.0E6	50.007	51.802
Target Compounds						
3) L1 AR-1016-1	5.521	4.726	136.8E6	53143438	506.983	514.628
4) L1 AR-1016-2	5.544	4.745	195.2E6	74301641	491.802	527.083
5) L1 AR-1016-3	5.605	4.921	115.5E6	38782958	459.941	492.509
6) L1 AR-1016-4	5.702	4.961	93405425	29833148	484.941	451.277
7) L1 AR-1016-5	5.997	5.175	88180290	40358778	482.773	491.378
31) L7 AR-1260-1	7.124	6.206	127.3E6	80372850	492.219	518.018m
32) L7 AR-1260-2	7.379	6.393	138.0E6	94709381	524.182	537.768m
33) L7 AR-1260-3	7.742	6.546	91739285	88499586	510.385	527.574
34) L7 AR-1260-4	7.966	7.016	89553339	74922019	510.264	517.844m
35) L7 AR-1260-5	8.280	7.257	154.9E6	180.0E6	544.835	546.299m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 11:58
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

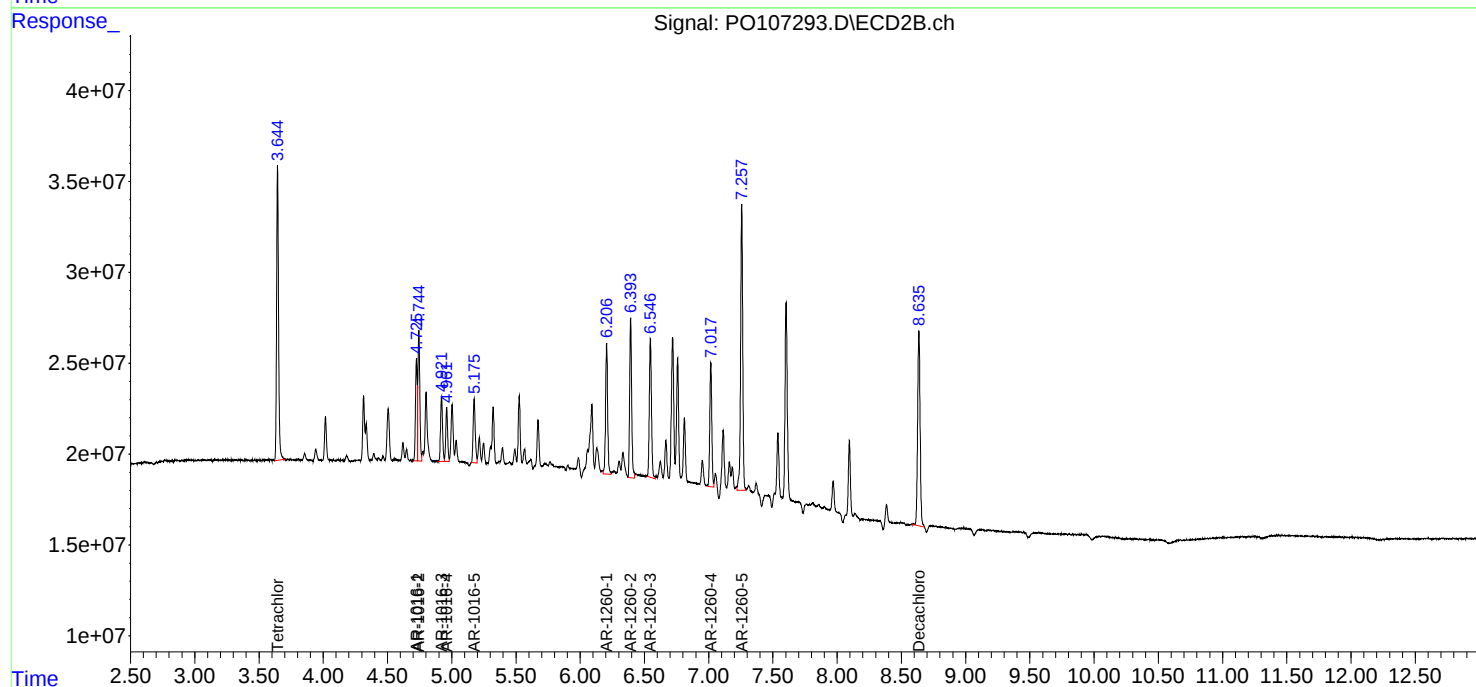
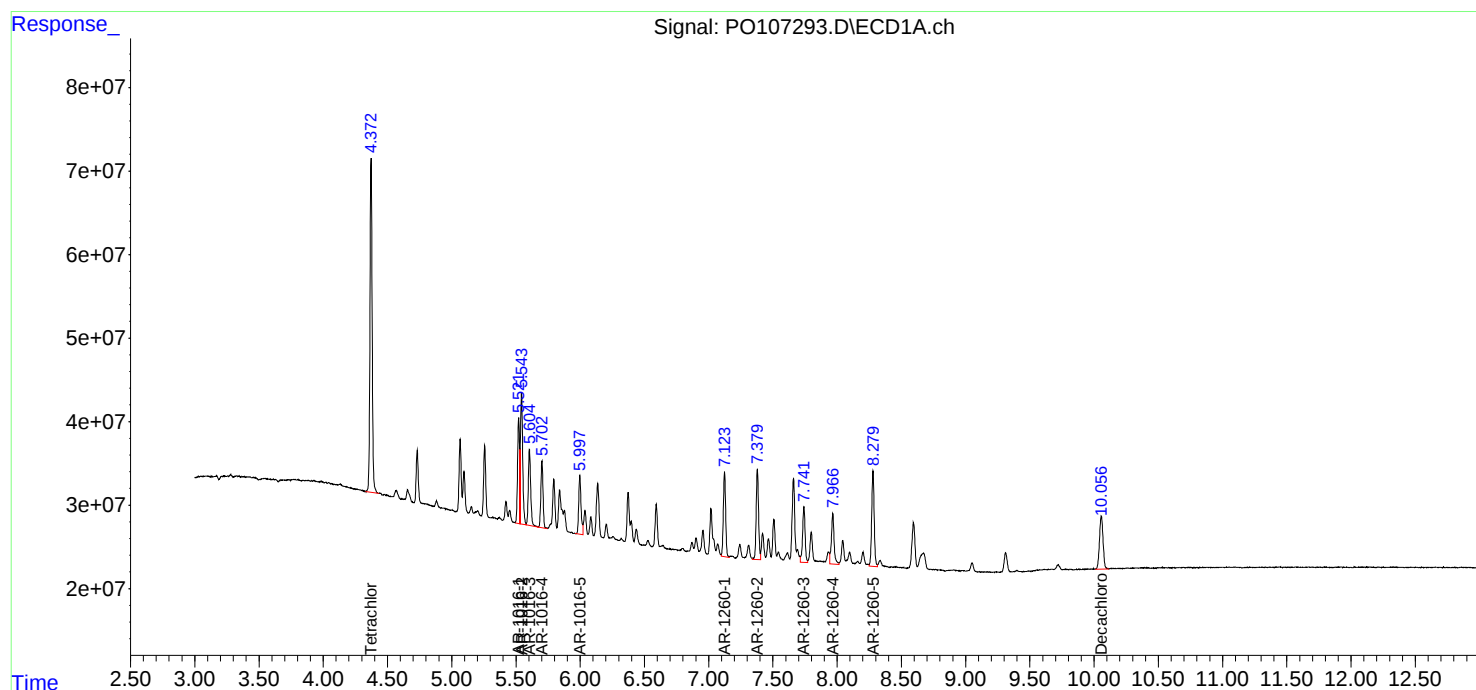
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:04:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Continuing Calib Date: 10/21/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 18:15 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.74	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.05	10.06	9.96	10.16	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Continuing Calib Date: 10/21/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 18:15 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.73	4.73	4.63	4.83	0.00
Aroclor-1016-2	(2)	4.75	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL02 Date Analyzed: 10/21/2024

Lab Sample No.: AR1660CCC500 Data File : PO107308.D Time Analyzed: 18:15

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.521	5.423	5.623	483.570	500.000	-3.3
Aroclor-1016-2	5.543	5.445	5.645	471.960	500.000	-5.6
Aroclor-1016-3	5.605	5.507	5.707	442.600	500.000	-11.5
Aroclor-1016-4	5.702	5.604	5.804	476.570	500.000	-4.7
Aroclor-1016-5	5.996	5.899	6.099	497.990	500.000	-0.4
Aroclor-1260-1	7.123	7.026	7.226	499.660	500.000	-0.1
Aroclor-1260-2	7.378	7.282	7.482	507.460	500.000	1.5
Aroclor-1260-3	7.740	7.643	7.843	513.820	500.000	2.8
Aroclor-1260-4	7.965	7.868	8.068	504.850	500.000	1.0
Aroclor-1260-5	8.278	8.181	8.381	514.530	500.000	2.9
Decachlorobiphenyl	10.053	9.958	10.158	48.130	50.000	-3.7
Tetrachloro-m-xylene	4.372	4.274	4.474	50.560	50.000	1.1



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL02 Date Analyzed: 10/21/2024

Lab Sample No.: AR1660CCC500 Data File : PO107308.D Time Analyzed: 18:15

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.726	4.626	4.826	512.880	500.000	2.6
Aroclor-1016-2	4.745	4.645	4.845	533.630	500.000	6.7
Aroclor-1016-3	4.920	4.821	5.021	489.740	500.000	-2.1
Aroclor-1016-4	4.961	4.862	5.062	457.260	500.000	-8.5
Aroclor-1016-5	5.175	5.076	5.276	513.220	500.000	2.6
Aroclor-1260-1	6.206	6.107	6.307	486.800	500.000	-2.6
Aroclor-1260-2	6.393	6.294	6.494	524.290	500.000	4.9
Aroclor-1260-3	6.547	6.448	6.648	495.030	500.000	-1.0
Aroclor-1260-4	7.017	6.918	7.118	478.400	500.000	-4.3
Aroclor-1260-5	7.257	7.159	7.359	487.470	500.000	-2.5
Decachlorobiphenyl	8.637	8.539	8.739	44.100	50.000	-11.8
Tetrachloro-m-xylene	3.645	3.545	3.745	53.390	50.000	6.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
 Data File : PO107308.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2024 18:15
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 07:15:09 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 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...	4.372	3.645	460.8E6	171.8E6	50.559	53.389
2) SA Decachlor...	10.053	8.637	118.1E6	120.9E6	48.133	44.102
Target Compounds						
3) L1 AR-1016-1	5.521	4.726	130.5E6	52963337	483.573	512.884
4) L1 AR-1016-2	5.543	4.745	187.3E6	75224783	471.963	533.631
5) L1 AR-1016-3	5.605	4.920	111.2E6	38564936	442.601	489.741
6) L1 AR-1016-4	5.702	4.961	91792098	30228602	476.565	457.258
7) L1 AR-1016-5	5.996	5.175	90958756	42153083	497.985	513.224
31) L7 AR-1260-1	7.123	6.206	129.2E6	75528740	499.657	486.797m
32) L7 AR-1260-2	7.378	6.393	133.6E6	92336530	507.457	524.295m
33) L7 AR-1260-3	7.740	6.547	92356881	83040411	513.821	495.030
34) L7 AR-1260-4	7.965	7.017	88603300	69214566	504.851	478.395m
35) L7 AR-1260-5	8.278	7.257	146.3E6	160.6E6	514.533	487.469m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107308.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 18:15
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

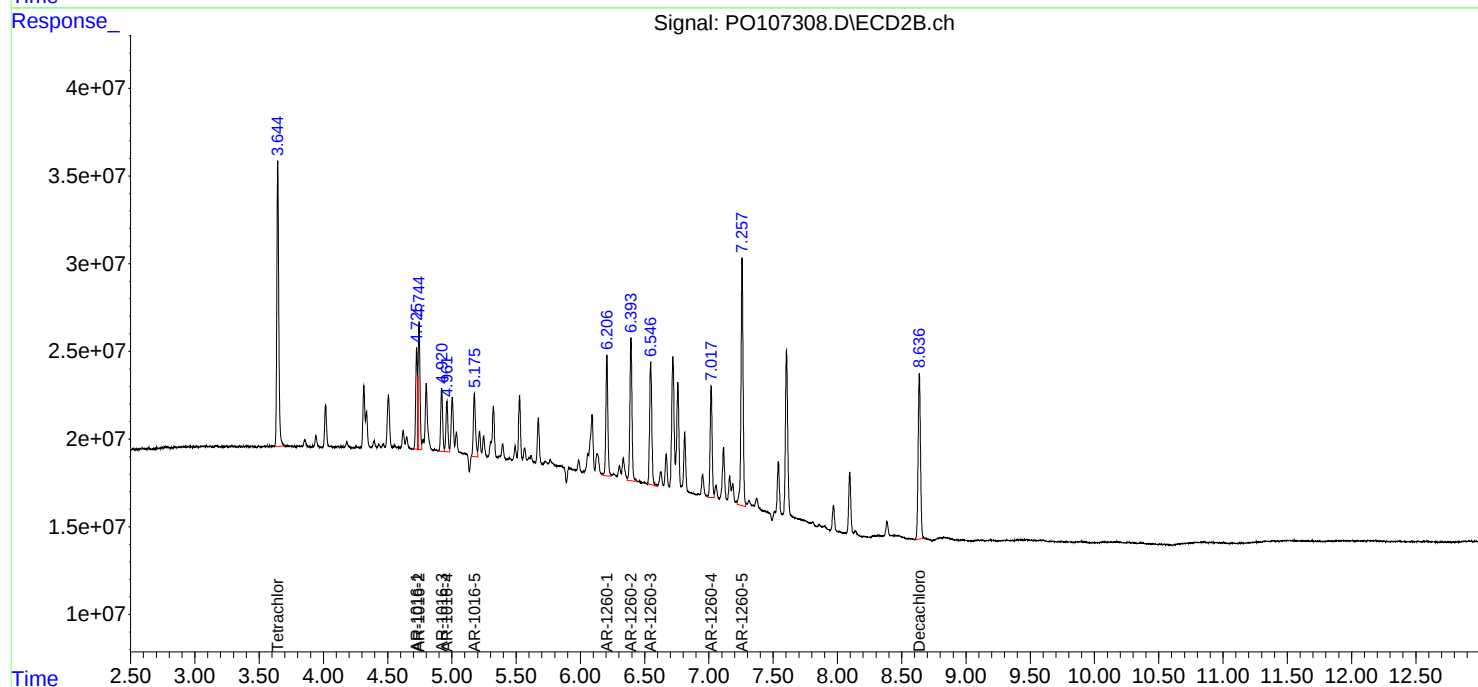
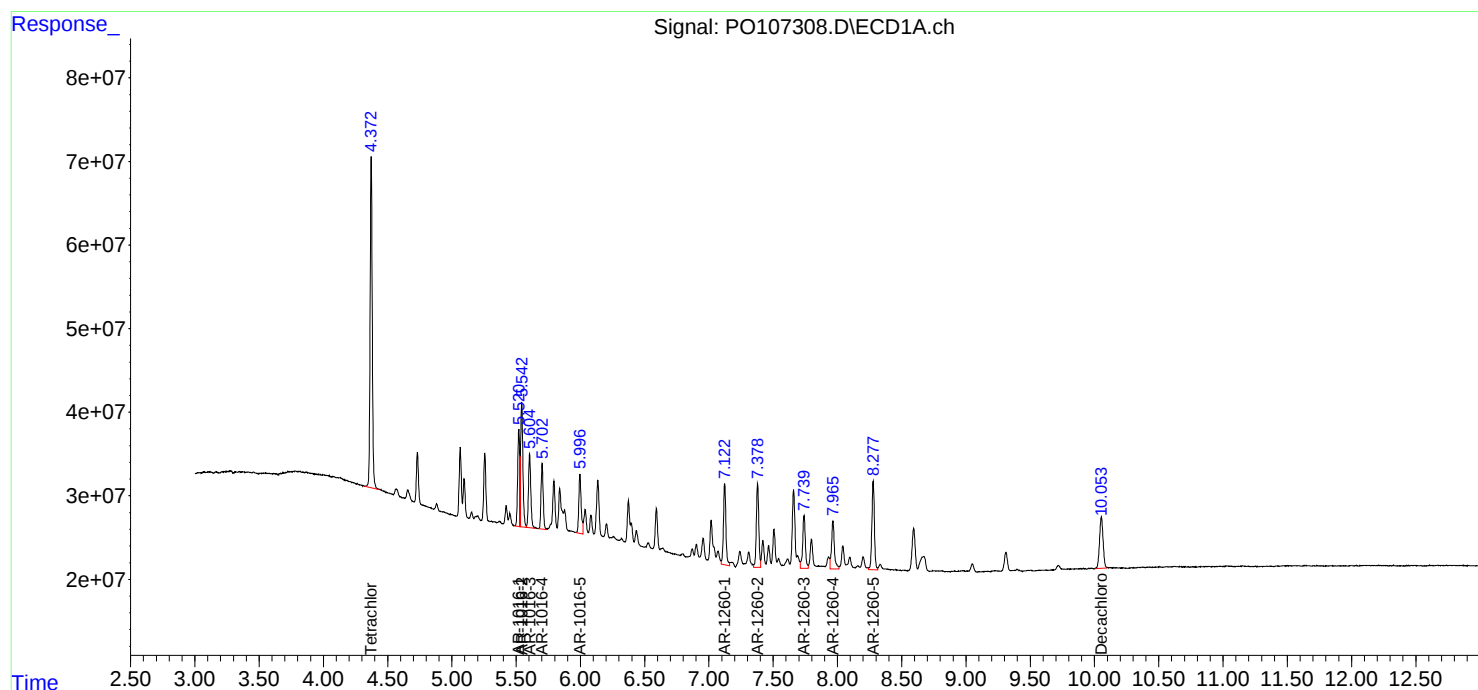
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:15:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Continuing Calib Date: 10/21/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 23:30 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.74	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.96	7.97	7.87	8.07	0.01
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.06	10.06	9.96	10.16	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Continuing Calib Date: 10/21/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 23:30 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.73	4.73	4.63	4.83	0.00
Aroclor-1016-2	(2)	4.75	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL03 Date Analyzed: 10/21/2024

Lab Sample No.: AR1660CCC500 Data File : PO107323.D Time Analyzed: 23:30

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.521	5.423	5.623	519.640	500.000	3.9
Aroclor-1016-2	5.543	5.445	5.645	506.910	500.000	1.4
Aroclor-1016-3	5.606	5.507	5.707	479.170	500.000	-4.2
Aroclor-1016-4	5.701	5.604	5.804	506.100	500.000	1.2
Aroclor-1016-5	5.997	5.899	6.099	508.720	500.000	1.7
Aroclor-1260-1	7.122	7.026	7.226	535.060	500.000	7.0
Aroclor-1260-2	7.379	7.282	7.482	547.990	500.000	9.6
Aroclor-1260-3	7.740	7.643	7.843	510.820	500.000	2.2
Aroclor-1260-4	7.964	7.868	8.068	540.140	500.000	8.0
Aroclor-1260-5	8.278	8.181	8.381	580.330	500.000	16.1
Decachlorobiphenyl	10.055	9.958	10.158	49.390	50.000	-1.2
Tetrachloro-m-xylene	4.372	4.274	4.474	52.850	50.000	5.7



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL03 Date Analyzed: 10/21/2024

Lab Sample No.: AR1660CCC500 Data File : PO107323.D Time Analyzed: 23:30

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.726	4.626	4.826	522.590	500.000	4.5
Aroclor-1016-2	4.745	4.645	4.845	548.030	500.000	9.6
Aroclor-1016-3	4.921	4.821	5.021	508.560	500.000	1.7
Aroclor-1016-4	4.962	4.862	5.062	466.520	500.000	-6.7
Aroclor-1016-5	5.175	5.076	5.276	555.540	500.000	11.1
Aroclor-1260-1	6.206	6.107	6.307	543.800	500.000	8.8
Aroclor-1260-2	6.393	6.294	6.494	572.690	500.000	14.5
Aroclor-1260-3	6.547	6.448	6.648	543.390	500.000	8.7
Aroclor-1260-4	7.018	6.918	7.118	544.220	500.000	8.8
Aroclor-1260-5	7.257	7.159	7.359	556.140	500.000	11.2
Decachlorobiphenyl	8.637	8.539	8.739	49.000	50.000	-2.0
Tetrachloro-m-xylene	3.645	3.545	3.745	53.780	50.000	7.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
 Data File : PO107323.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2024 23:30
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 07:24:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 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...	4.372	3.645	481.6E6	173.1E6	52.845	53.781
2) SA Decachlor...	10.055	8.637	121.2E6	134.3E6	49.386	48.997
Target Compounds						
3) L1 AR-1016-1	5.521	4.726	140.2E6	53965709	519.638	522.591
4) L1 AR-1016-2	5.543	4.745	201.2E6	77254098	506.908	548.027
5) L1 AR-1016-3	5.606	4.921	120.4E6	40046675	479.169	508.557
6) L1 AR-1016-4	5.701	4.962	97480063	30840862	506.096	466.520
7) L1 AR-1016-5	5.997	5.175	92919276	45628355	508.719	555.537m
31) L7 AR-1260-1	7.122	6.206	138.4E6	84373689	535.064m	543.804m
32) L7 AR-1260-2	7.379	6.393	144.2E6	100.9E6	547.992m	572.687m
33) L7 AR-1260-3	7.740	6.547	91818138	91153351	510.824m	543.394
34) L7 AR-1260-4	7.964	7.018	94796056	78738155	540.137m	544.220m
35) L7 AR-1260-5	8.278	7.257	165.0E6	183.2E6	580.331	556.136m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 23:30
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

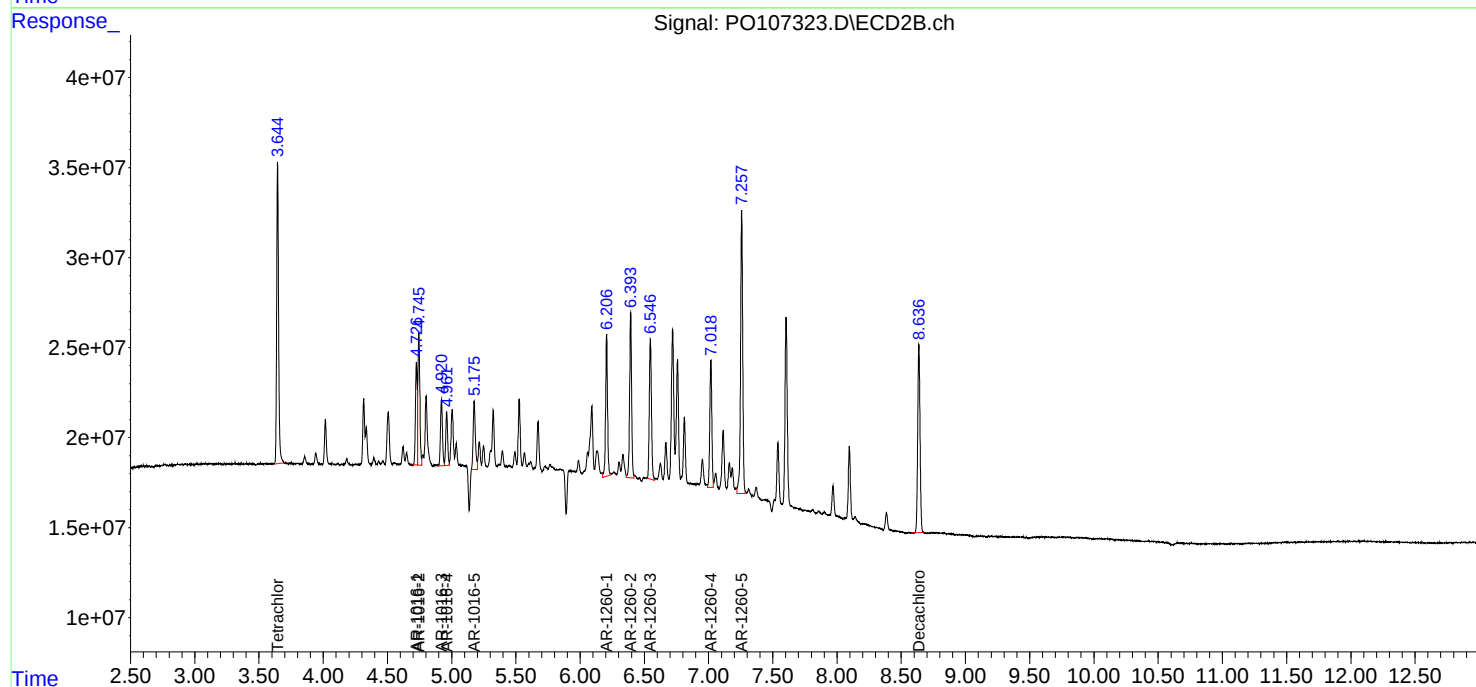
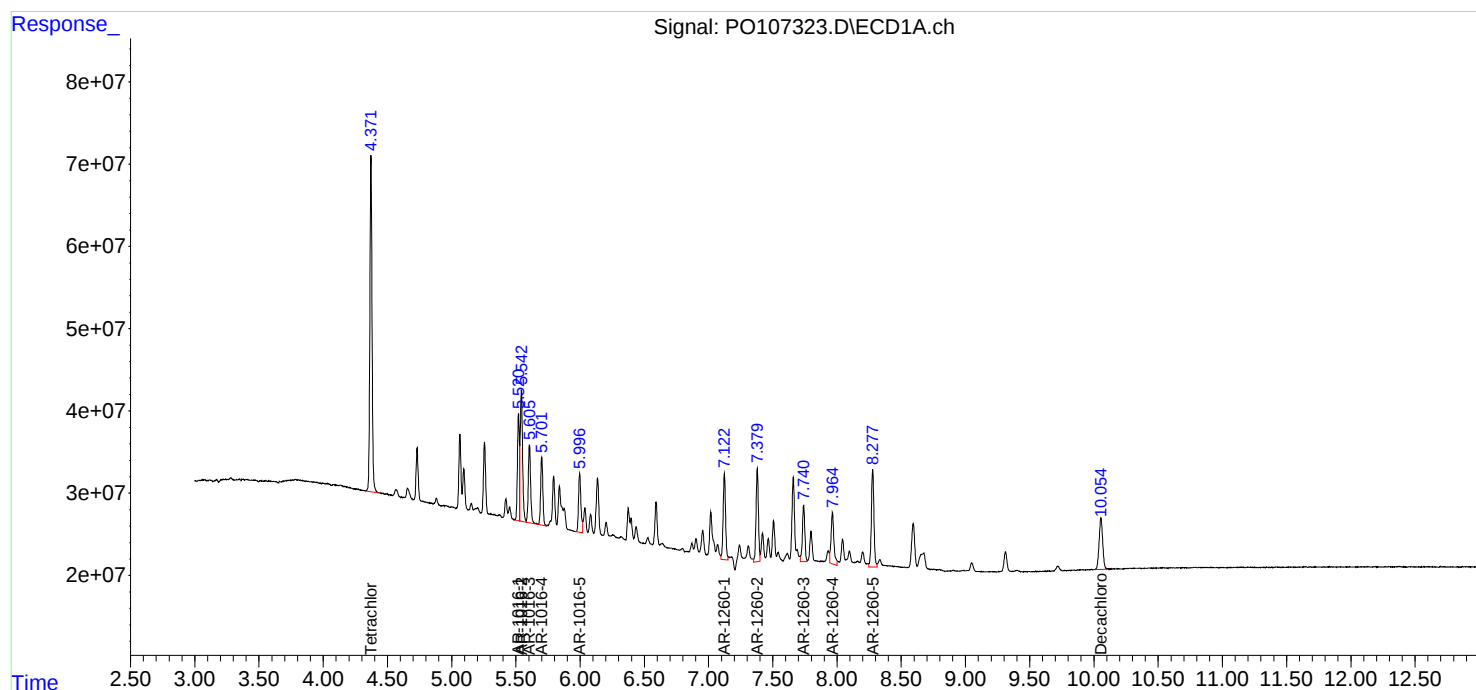
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:24:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Continuing Calib Date: 10/23/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 15:57 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)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.01	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)	7.52	7.52	7.42	7.62	0.00
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)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.67	10.67	10.57	10.77	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Continuing Calib Date: 10/23/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 15:57 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: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

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

Client Sample No.: CCAL04 Date Analyzed: 10/23/2024

Lab Sample No.: AR1660CCC500 Data File : PP068166.D Time Analyzed: 15:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.921	5.819	6.019	491.140	500.000	-1.8
Aroclor-1016-2	5.944	5.842	6.042	505.430	500.000	1.1
Aroclor-1016-3	6.007	5.905	6.105	491.780	500.000	-1.6
Aroclor-1016-4	6.105	6.003	6.203	485.430	500.000	-2.9
Aroclor-1016-5	6.399	6.298	6.498	476.670	500.000	-4.7
Aroclor-1260-1	7.523	7.422	7.622	449.530	500.000	-10.1
Aroclor-1260-2	7.776	7.675	7.875	448.260	500.000	-10.3
Aroclor-1260-3	8.138	8.037	8.237	457.380	500.000	-8.5
Aroclor-1260-4	8.376	8.275	8.475	456.620	500.000	-8.7
Aroclor-1260-5	8.713	8.612	8.812	462.630	500.000	-7.5
Decachlorobiphenyl	10.670	10.569	10.769	48.800	50.000	-2.4
Tetrachloro-m-xylene	4.757	4.655	4.855	51.470	50.000	2.9



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

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

Client Sample No.: CCAL04 Date Analyzed: 10/23/2024

Lab Sample No.: AR1660CCC500 Data File : PP068166.D Time Analyzed: 15:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.157	5.061	5.261	465.090	500.000	-7.0
Aroclor-1016-2	5.177	5.081	5.281	473.530	500.000	-5.3
Aroclor-1016-3	5.357	5.262	5.462	476.580	500.000	-4.7
Aroclor-1016-4	5.397	5.301	5.501	471.310	500.000	-5.7
Aroclor-1016-5	5.616	5.520	5.720	467.820	500.000	-6.4
Aroclor-1260-1	6.659	6.564	6.764	451.860	500.000	-9.6
Aroclor-1260-2	6.846	6.750	6.950	457.130	500.000	-8.6
Aroclor-1260-3	7.004	6.908	7.108	455.780	500.000	-8.8
Aroclor-1260-4	7.478	7.383	7.583	458.570	500.000	-8.3
Aroclor-1260-5	7.716	7.622	7.822	455.920	500.000	-8.8
Decachlorobiphenyl	9.209	9.119	9.319	46.300	50.000	-7.4
Tetrachloro-m-xylene	4.050	3.952	4.152	48.480	50.000	-3.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
 Data File : PP068166.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2024 15:57
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 21:44:40 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...	4.757	4.050	47646102	48983850	51.474	48.480
2) SA Decachlor...	10.670	9.209	56181745	51927183	48.798	46.303
Target Compounds						
3) L1 AR-1016-1	5.921	5.157	16240318	16272226	491.138	465.090
4) L1 AR-1016-2	5.944	5.177	24650374	22809060	505.432	473.526
5) L1 AR-1016-3	6.007	5.357	15496833	12837850	491.776	476.579
6) L1 AR-1016-4	6.105	5.397	12496629	11351610	485.426	471.312
7) L1 AR-1016-5	6.399	5.616	12902096	14226263	476.674	467.817
31) L7 AR-1260-1	7.523	6.659	24285348	25738645	449.531	451.857
32) L7 AR-1260-2	7.776	6.846	28361450	30492724	448.255	457.132
33) L7 AR-1260-3	8.138	7.004	23714460	29033907	457.377	455.783
34) L7 AR-1260-4	8.376	7.478	27486195	25355549	456.624	458.569
35) L7 AR-1260-5	8.713	7.716	49830790	55758022	462.629	455.917

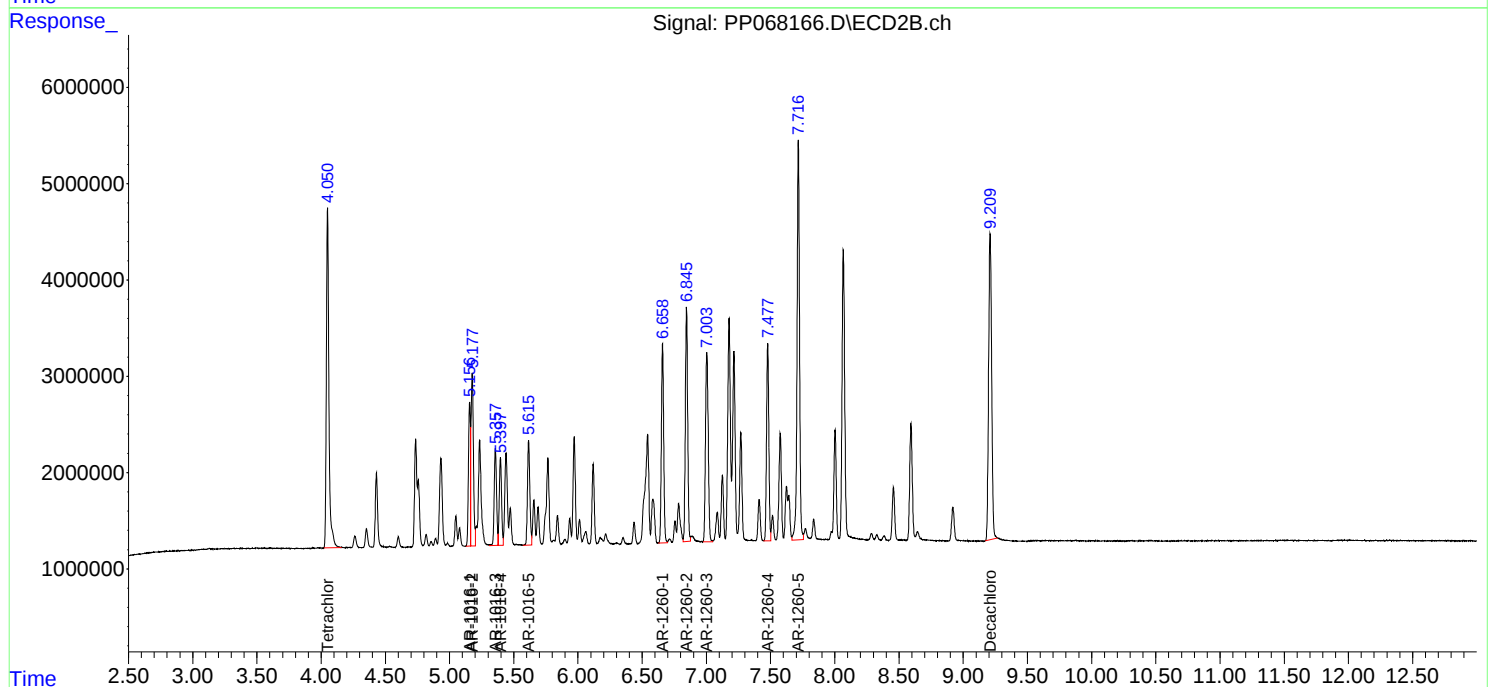
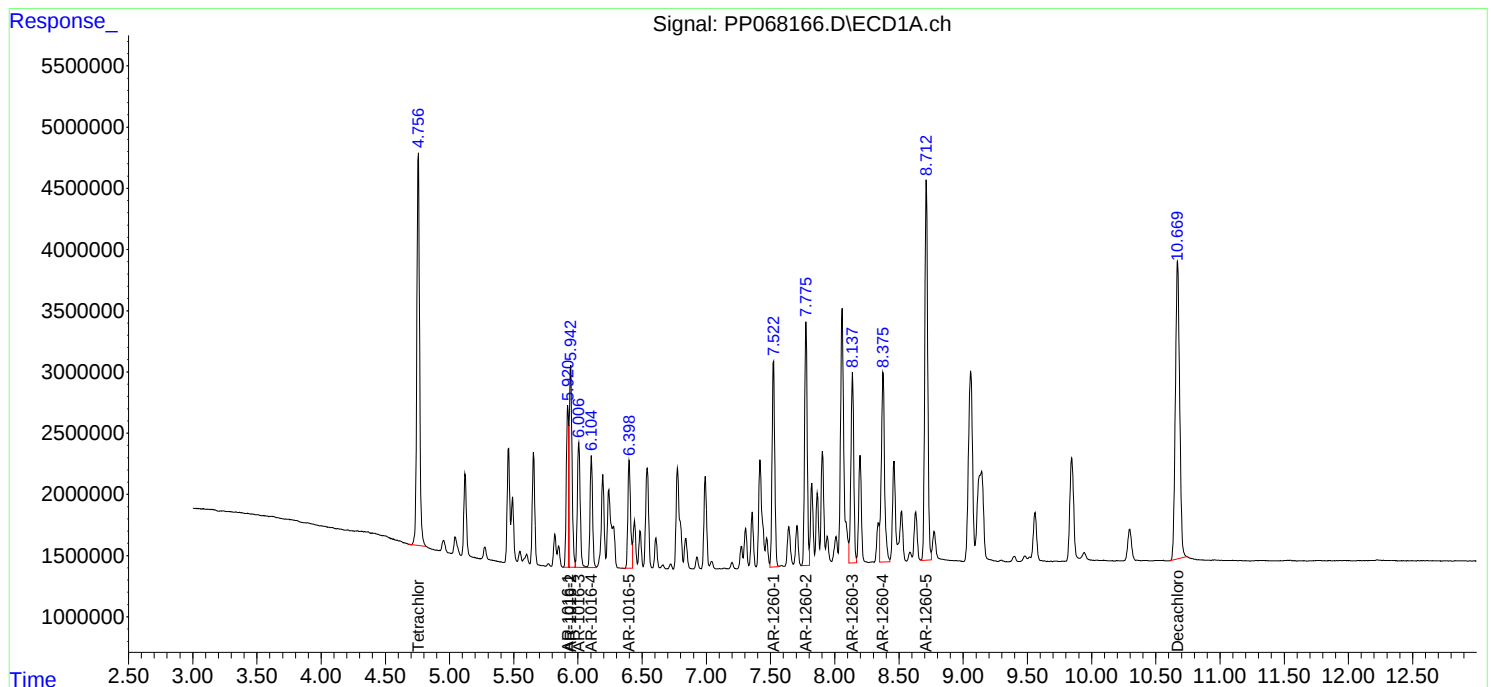
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
Data File : PP068166.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 15:57
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 21:44:40 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: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Continuing Calib Date: 10/23/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 20:04 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)	5.92	5.92	5.82	6.02	0.00
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)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.67	10.67	10.57	10.77	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Continuing Calib Date: 10/23/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 20:04 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



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

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

Client Sample No.: CCAL05 Date Analyzed: 10/23/2024

Lab Sample No.: AR1660CCC500 Data File : PP068180.D Time Analyzed: 20:04

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.923	5.819	6.019	497.330	500.000	-0.5
Aroclor-1016-2	5.945	5.842	6.042	503.300	500.000	0.7
Aroclor-1016-3	6.008	5.905	6.105	489.880	500.000	-2.0
Aroclor-1016-4	6.106	6.003	6.203	480.170	500.000	-4.0
Aroclor-1016-5	6.400	6.298	6.498	480.560	500.000	-3.9
Aroclor-1260-1	7.525	7.422	7.622	461.200	500.000	-7.8
Aroclor-1260-2	7.778	7.675	7.875	466.470	500.000	-6.7
Aroclor-1260-3	8.139	8.037	8.237	469.470	500.000	-6.1
Aroclor-1260-4	8.378	8.275	8.475	471.690	500.000	-5.7
Aroclor-1260-5	8.714	8.612	8.812	474.540	500.000	-5.1
Decachlorobiphenyl	10.672	10.569	10.769	49.760	50.000	-0.5
Tetrachloro-m-xylene	4.758	4.655	4.855	51.720	50.000	3.4



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

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

Client Sample No.: CCAL05 Date Analyzed: 10/23/2024

Lab Sample No.: AR1660CCC500 Data File : PP068180.D Time Analyzed: 20:04

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.158	5.061	5.261	466.650	500.000	-6.7
Aroclor-1016-2	5.178	5.081	5.281	471.050	500.000	-5.8
Aroclor-1016-3	5.358	5.262	5.462	476.420	500.000	-4.7
Aroclor-1016-4	5.397	5.301	5.501	471.550	500.000	-5.7
Aroclor-1016-5	5.617	5.520	5.720	475.810	500.000	-4.8
Aroclor-1260-1	6.660	6.564	6.764	465.690	500.000	-6.9
Aroclor-1260-2	6.847	6.750	6.950	475.110	500.000	-5.0
Aroclor-1260-3	7.005	6.908	7.108	465.600	500.000	-6.9
Aroclor-1260-4	7.478	7.383	7.583	470.220	500.000	-6.0
Aroclor-1260-5	7.717	7.622	7.822	470.390	500.000	-5.9
Decachlorobiphenyl	9.212	9.119	9.319	48.140	50.000	-3.7
Tetrachloro-m-xylene	4.051	3.952	4.152	47.960	50.000	-4.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
 Data File : PP068180.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2024 20:04
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 21:52:22 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...	4.758	4.051	47877991	48457450	51.724	47.959
2) SA Decachlor...	10.672	9.212	57291649	53991391	49.762	48.144
Target Compounds						
3) L1 AR-1016-1	5.923	5.158	16445110	16326672	497.332	466.646
4) L1 AR-1016-2	5.945	5.178	24546511	22689877	503.303	471.052
5) L1 AR-1016-3	6.008	5.358	15437154	12833570	489.883	476.420
6) L1 AR-1016-4	6.106	5.397	12361300	11357354	480.169	471.551
7) L1 AR-1016-5	6.400	5.617	13007333	14469218	480.562	475.807
31) L7 AR-1260-1	7.525	6.660	24915632	26526754	461.198	465.692
32) L7 AR-1260-2	7.778	6.847	29514102	31691745	466.473	475.107
33) L7 AR-1260-3	8.139	7.005	24341293	29659106	469.466	465.598
34) L7 AR-1260-4	8.378	7.478	28393055	25999636	471.689	470.218
35) L7 AR-1260-5	8.714	7.717	51113306	57527694	474.536	470.387

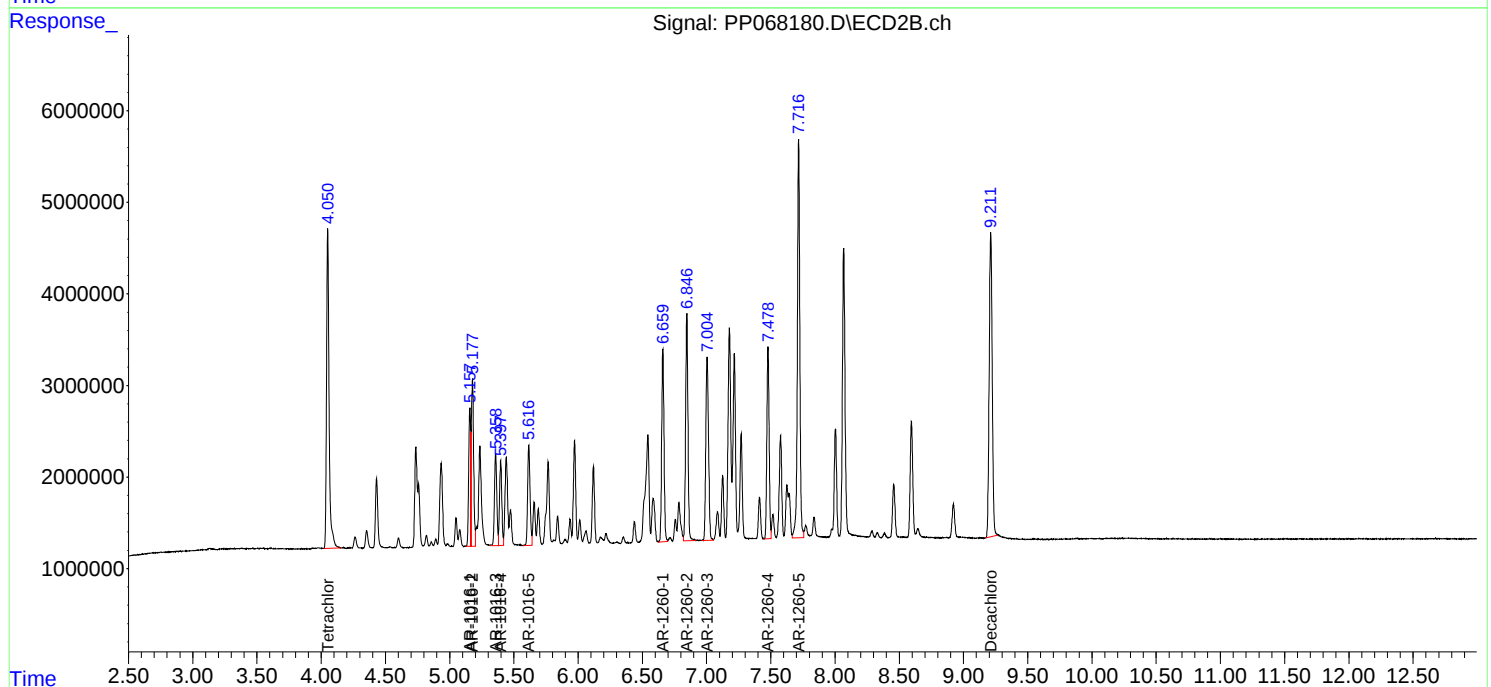
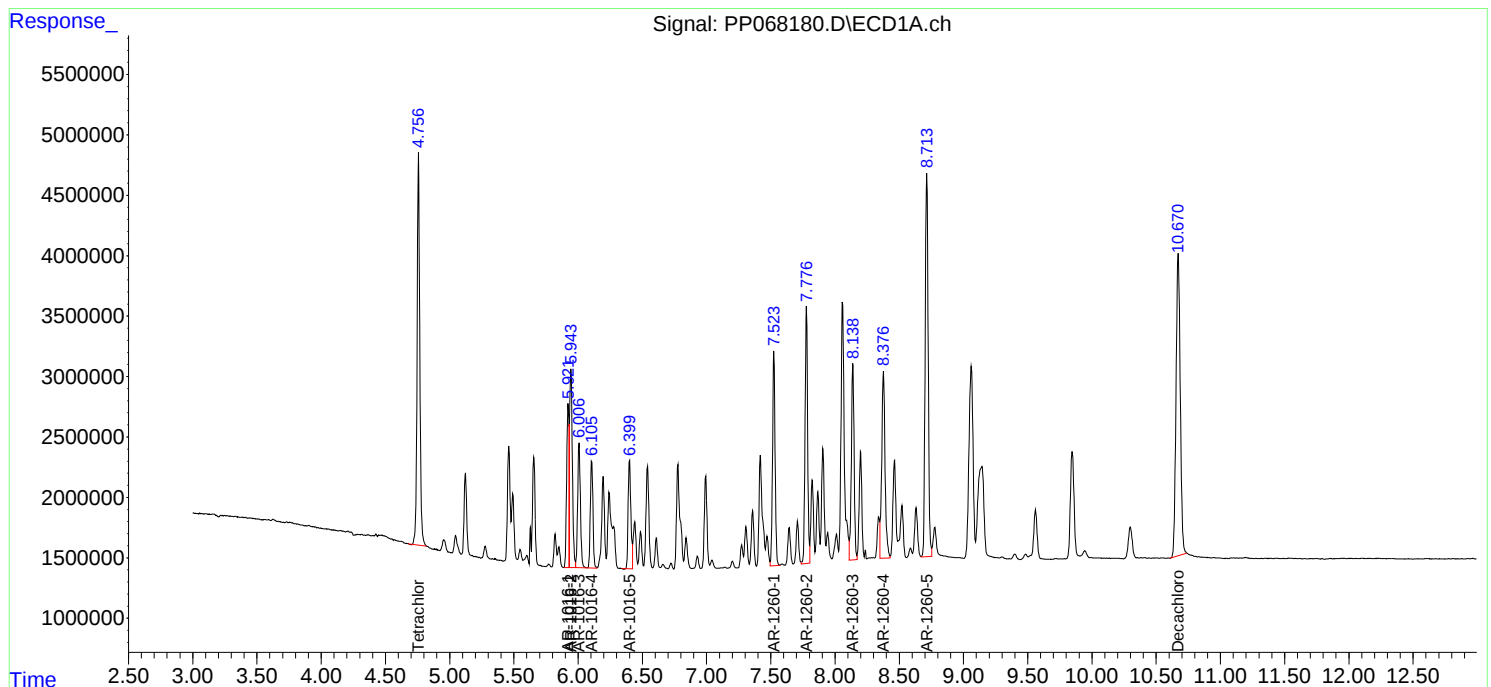
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
Data File : PP068180.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 20:04
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 21:52:22 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



Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: P4460
Project: Amtrak Sawtooth Bridges 2024	Instrument ID: ECD_O
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/15/2024 10/15/2024

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	10/15/2024	18:08	PO107183.D	10.06	4.37
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	10.06	4.37
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	10.06	4.37
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	10.06	4.37
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	10.06	4.37
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	10.06	4.37
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	10.06	4.37
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	10.06	4.37
AR1242ICC1000	AR1242ICC1000	10/15/2024	20:34	PO107191.D	10.06	4.37
AR1242ICC750	AR1242ICC750	10/15/2024	20:52	PO107192.D	10.06	4.37
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	10.06	4.37
AR1242ICC250	AR1242ICC250	10/15/2024	21:28	PO107194.D	10.06	4.37
AR1242ICC050	AR1242ICC050	10/15/2024	21:46	PO107195.D	10.06	4.37
AR1248ICC1000	AR1248ICC1000	10/15/2024	22:04	PO107196.D	10.06	4.37
AR1248ICC750	AR1248ICC750	10/15/2024	22:22	PO107197.D	10.06	4.37
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	10.06	4.37
AR1248ICC250	AR1248ICC250	10/15/2024	22:59	PO107199.D	10.06	4.37
AR1248ICC050	AR1248ICC050	10/15/2024	23:17	PO107200.D	10.06	4.37
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	10.06	4.37
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	10.06	4.37
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	10.06	4.37
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	10.06	4.37
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	10.06	4.37
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	10.06	4.37
AR1268ICC1000	AR1268ICC1000	10/16/2024	01:23	PO107207.D	10.06	4.37
AR1268ICC750	AR1268ICC750	10/16/2024	01:41	PO107208.D	10.06	4.37
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	10.06	4.37
AR1268ICC250	AR1268ICC250	10/16/2024	02:18	PO107210.D	10.06	4.37
AR1268ICC050	AR1268ICC050	10/16/2024	02:36	PO107211.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/21/2024	11:58	PO107293.D	10.06	4.37
IBLK	IBLK	10/21/2024	14:13	PO107297.D	10.06	4.37
PB164287BL	PB164287BL	10/21/2024	14:49	PO107299.D	10.06	4.37
PB164287BS	PB164287BS	10/21/2024	15:07	PO107300.D	10.06	4.37
SU-4-101824MS	P4455-01MS	10/21/2024	16:38	PO107305.D	10.06	4.37
SU-4-101824MSD	P4455-01MSD	10/21/2024	16:56	PO107306.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/21/2024	18:15	PO107308.D	10.05	4.37
IBLK	IBLK	10/21/2024	19:28	PO107312.D	10.05	4.37
WB-303-TOP	P4460-02	10/21/2024	20:22	PO107315.D	10.06	4.37
WB-303-BOT	P4460-03	10/21/2024	20:40	PO107316.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/21/2024	23:30	PO107323.D	10.06	4.37
IBLK	IBLK	10/22/2024	00:42	PO107327.D	10.06	4.37
IBLK	IBLK	10/08/2024	16:14	PP067586.D	10.67	4.75

Analytical Sequence

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	10/23/2024	15:57	PP068166.D	10.67	4.76
IBLK	IBLK	10/23/2024	17:01	PP068170.D	10.67	4.76
PB164342BL	PB164342BL	10/23/2024	18:22	PP068175.D	10.67	4.75
PB164342BS	PB164342BS	10/23/2024	18:38	PP068176.D	10.67	4.76
PB164342BSD	PB164342BSD	10/23/2024	18:54	PP068177.D	10.67	4.76
WB-303-SW	P4460-06	10/23/2024	19:26	PP068179.D	10.67	4.76
AR1660CCC500	AR1660CCC500	10/23/2024	20:04	PP068180.D	10.67	4.76
IBLK	IBLK	10/23/2024	21:08	PP068184.D	10.67	4.76

Analytical Sequence

Client: Portal Partners Tri-Venture

SDG No.: P4460

Project: Amtrak Sawtooth Bridges 2024

Instrument ID: ECD_O

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/15/2024

10/15/2024

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	10/15/2024	18:08	PO107183.D	8.64	3.64
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	8.64	3.64
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	8.64	3.64
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	8.64	3.65
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	8.64	3.64
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	8.64	3.64
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	8.64	3.64
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	8.64	3.64
AR1242ICC1000	AR1242ICC1000	10/15/2024	20:34	PO107191.D	8.64	3.64
AR1242ICC750	AR1242ICC750	10/15/2024	20:52	PO107192.D	8.64	3.64
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	8.64	3.64
AR1242ICC250	AR1242ICC250	10/15/2024	21:28	PO107194.D	8.64	3.65
AR1242ICC050	AR1242ICC050	10/15/2024	21:46	PO107195.D	8.64	3.64
AR1248ICC1000	AR1248ICC1000	10/15/2024	22:04	PO107196.D	8.64	3.64
AR1248ICC750	AR1248ICC750	10/15/2024	22:22	PO107197.D	8.64	3.64
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	8.64	3.64
AR1248ICC250	AR1248ICC250	10/15/2024	22:59	PO107199.D	8.64	3.64
AR1248ICC050	AR1248ICC050	10/15/2024	23:17	PO107200.D	8.64	3.64
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	8.64	3.65
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	8.64	3.64
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	8.64	3.64
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	8.64	3.64
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	8.64	3.65
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	8.64	3.64
AR1268ICC1000	AR1268ICC1000	10/16/2024	01:23	PO107207.D	8.64	3.65
AR1268ICC750	AR1268ICC750	10/16/2024	01:41	PO107208.D	8.64	3.64
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	8.64	3.65
AR1268ICC250	AR1268ICC250	10/16/2024	02:18	PO107210.D	8.64	3.64
AR1268ICC050	AR1268ICC050	10/16/2024	02:36	PO107211.D	8.64	3.65
AR1660CCC500	AR1660CCC500	10/21/2024	11:58	PO107293.D	8.64	3.65
IBLK	IBLK	10/21/2024	14:13	PO107297.D	8.64	3.64
PB164287BL	PB164287BL	10/21/2024	14:49	PO107299.D	8.64	3.64
PB164287BS	PB164287BS	10/21/2024	15:07	PO107300.D	8.64	3.64
SU-4-101824MS	P4455-01MS	10/21/2024	16:38	PO107305.D	8.64	3.64
SU-4-101824MSD	P4455-01MSD	10/21/2024	16:56	PO107306.D	8.64	3.64
AR1660CCC500	AR1660CCC500	10/21/2024	18:15	PO107308.D	8.64	3.65
IBLK	IBLK	10/21/2024	19:28	PO107312.D	8.64	3.65
WB-303-TOP	P4460-02	10/21/2024	20:22	PO107315.D	8.64	3.64
WB-303-BOT	P4460-03	10/21/2024	20:40	PO107316.D	8.64	3.64
AR1660CCC500	AR1660CCC500	10/21/2024	23:30	PO107323.D	8.64	3.65
IBLK	IBLK	10/22/2024	00:42	PO107327.D	8.64	3.65
IBLK	IBLK	10/08/2024	16:14	PP067586.D	9.22	4.05

Analytical Sequence

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	10/23/2024	15:57	PP068166.D	9.21	4.05
IBLK	IBLK	10/23/2024	17:01	PP068170.D	9.21	4.05
PB164342BL	PB164342BL	10/23/2024	18:22	PP068175.D	9.21	4.05
PB164342BS	PB164342BS	10/23/2024	18:38	PP068176.D	9.21	4.05
PB164342BSD	PB164342BSD	10/23/2024	18:54	PP068177.D	9.21	4.05
WB-303-SW	P4460-06	10/23/2024	19:26	PP068179.D	9.21	4.05
AR1660CCC500	AR1660CCC500	10/23/2024	20:04	PP068180.D	9.21	4.05
IBLK	IBLK	10/23/2024	21:08	PP068184.D	9.21	4.05



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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164287BS

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab Sample ID: PB164287BS Date(s) Analyzed: 10/21/2024 10/21/2024

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO107300.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.52	5.47	5.57	156	152	1.31
COLUMN 1	2	5.543	5.493	5.593	156		
	3	5.605	5.555	5.655	143		
	4	5.701	5.651	5.751	154		
	5	5.997	5.947	6.047	153		
COLUMN 2	1	4.726	4.676	4.776	155	154	
	2	4.745	4.695	4.795	168		
	3	4.92	4.87	4.97	158		
	4	4.961	4.911	5.011	137		
	5	5.175	5.125	5.225	150		
Aroclor-1260	1	7.123	7.073	7.173	161	160	1.89
COLUMN 1	2	7.379	7.329	7.429	168		
	3	7.741	7.691	7.791	146		
	4	7.966	7.916	8.016	162		
	5	8.279	8.229	8.329	161		
COLUMN 2	1	6.205	6.155	6.255	163	157	
	2	6.392	6.342	6.442	158		
	3	6.546	6.496	6.596	167		
	4	7.016	6.966	7.066	147		
	5	7.257	7.207	7.307	152		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SU-4-101824MS

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab Sample ID: P4455-01MS Date(s) Analyzed: 10/21/2024 10/21/2024

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO107305.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.52	5.47	5.57	174	157	0.63
COLUMN 1	2	5.543	5.493	5.593	155		
	3	5.605	5.555	5.655	147		
	4	5.701	5.651	5.751	169		
	5	5.996	5.946	6.046	142		
	1	4.725	4.675	4.775	163		
COLUMN 2	2	4.744	4.694	4.794	159	158	
	3	4.92	4.87	4.97	167		
	4	4.963	4.913	5.013	157		
	5	5.175	5.125	5.225	146		
Aroclor-1260	1	7.124	7.074	7.174	161	154	2.56
COLUMN 1	2	7.379	7.329	7.429	139		
	3	7.741	7.691	7.791	141		
	4	7.966	7.916	8.016	170		
	5	8.279	8.229	8.329	160		
	1	6.206	6.156	6.256	160	158	
COLUMN 2	2	6.393	6.343	6.443	162		
	3	6.547	6.497	6.597	166		
	4	7.017	6.967	7.067	147		
	5	7.258	7.208	7.308	154		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SU-4-101824MSD

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab Sample ID: P4455-01MSD Date(s) Analyzed: 10/21/2024 10/21/2024

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO107306.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.519	5.469	5.569	165	154	10.46
COLUMN 1	2	5.541	5.491	5.591	155		
	3	5.605	5.555	5.655	142		
	4	5.701	5.651	5.751	165		
	5	5.995	5.945	6.045	146		
	1	4.725	4.675	4.775	169		
COLUMN 2	2	4.744	4.694	4.794	176	171	
	3	4.92	4.87	4.97	185		
	4	4.961	4.911	5.011	186		
	5	5.174	5.124	5.224	139		
Aroclor-1260	1	7.122	7.072	7.172	164	149	7.12
COLUMN 1	2	7.379	7.329	7.429	133		
	3	7.741	7.691	7.791	133		
	4	7.965	7.915	8.015	156		
	5	8.278	8.228	8.328	158		
	1	6.206	6.156	6.256	168	160	
COLUMN 2	2	6.393	6.343	6.443	178		
	3	6.546	6.496	6.596	168		
	4	7.017	6.967	7.067	142		
	5	7.257	7.207	7.307	144		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164342BS

Contract: PORT06

Lab Code: CHEM

Case No.: P4460

SAS No.: P4460

SDG NO.: P4460

Lab Sample ID: PB164342BS

Date(s) Analyzed: 10/23/2024

10/23/2024

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 PP068176.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.922	5.872	5.972	4.88		
	2	5.943	5.893	5.993	4.32		
	3	6.006	5.956	6.056	4.38		
	4	6.105	6.055	6.155	4.36		
	5	6.399	6.349	6.449	4.10		
COLUMN 1						4.40	
	1	5.157	5.107	5.207	4.01		
	2	5.177	5.127	5.227	4.05		
	3	5.357	5.307	5.407	4.04		
	4	5.397	5.347	5.447	3.93		
5	5.616	5.566	5.666	3.88			
COLUMN 2						4.00	9.52
	1	7.523	7.473	7.573	4.09		
	2	7.776	7.726	7.826	4.09		
	3	8.137	8.087	8.187	3.55		
	4	8.376	8.326	8.426	3.70		
5	8.713	8.663	8.763	3.71			
Aroclor-1260						3.80	
	1	6.659	6.609	6.709	4.07		
	2	6.846	6.796	6.896	4.06		
	3	7.004	6.954	7.054	4.09		
	4	7.478	7.428	7.528	3.62		
5	7.716	7.666	7.766	3.62			
COLUMN 1						3.90	2.6
COLUMN 2							

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164342BSD

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab Sample ID: PB164342BSD Date(s) Analyzed: 10/23/2024 10/23/2024

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 PP068177.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.921	5.871	5.971	4.41	4.30	4.76
COLUMN 1	2	5.943	5.893	5.993	4.50		
	3	6.007	5.957	6.057	4.33		
	4	6.105	6.055	6.155	4.22		
	5	6.399	6.349	6.449	4.04		
	1	5.157	5.107	5.207	4.11		
COLUMN 2	2	5.177	5.127	5.227	4.15	4.10	
	3	5.358	5.308	5.408	4.13		
	4	5.397	5.347	5.447	4.03		
	5	5.616	5.566	5.666	4.00		
Aroclor-1260	1	7.523	7.473	7.573	4.25	3.90	2.53
COLUMN 1	2	7.776	7.726	7.826	4.22		
	3	8.138	8.088	8.188	3.67		
	4	8.375	8.325	8.425	3.82		
	5	8.714	8.664	8.764	3.79		
	1	6.66	6.61	6.71	4.18		
COLUMN 2	2	6.847	6.797	6.897	4.24	4.00	
	3	7.004	6.954	7.054	4.24		
	4	7.479	7.429	7.529	3.78		
	5	7.718	7.668	7.768	3.79		



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164287BL	SDG No.:	P4460
Lab Sample ID:	PB164287BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107299.D	1	10/21/24 10:10	10/21/24 14:49	PB164287

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	21.4		30 (32) - 150 (144)	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		30 (32) - 150 (175)	110%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
 Data File : PO107299.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2024 14:49
 Operator : YP/AJ
 Sample : PB164287BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB164287BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 07:08:52 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 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...	4.372	3.644	194.6E6	68887507	21.348	21.404
2) SA Decachlor...	10.056	8.637	53191470	60107238	21.681	21.924

Target Compounds

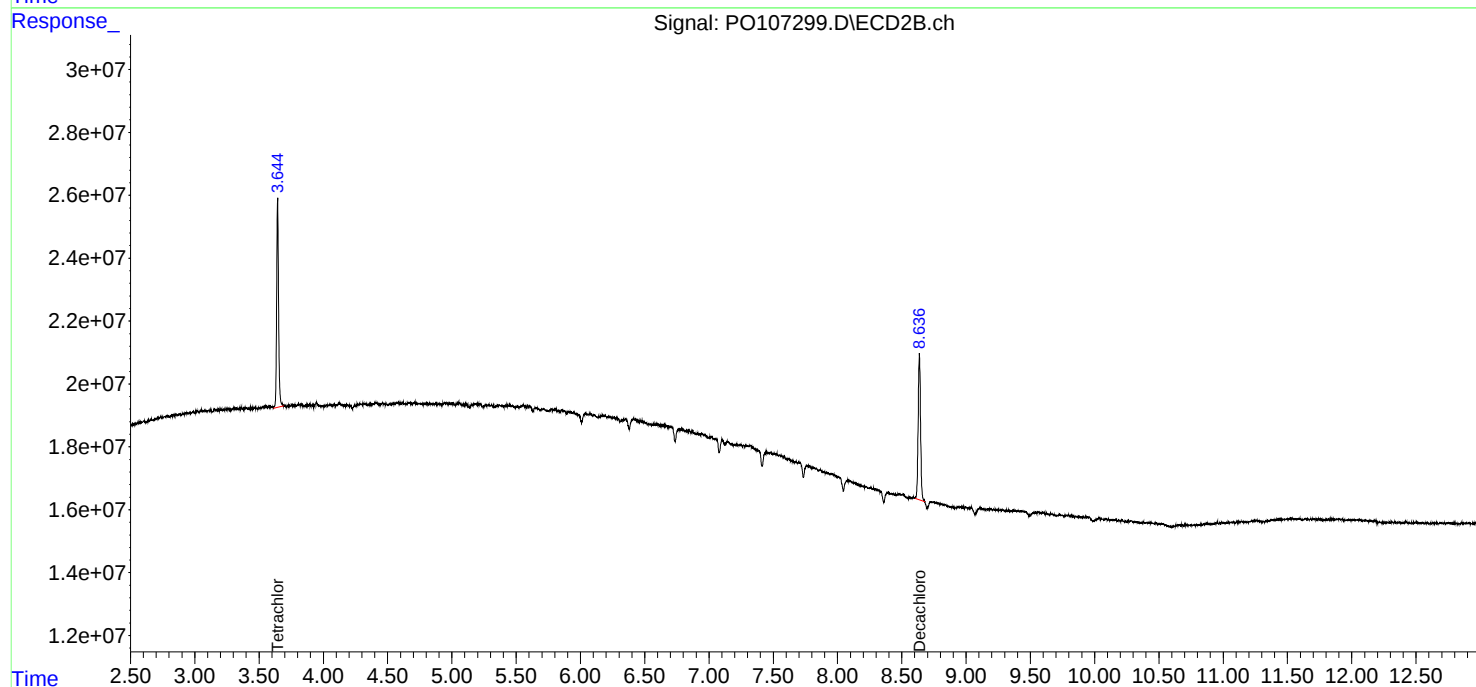
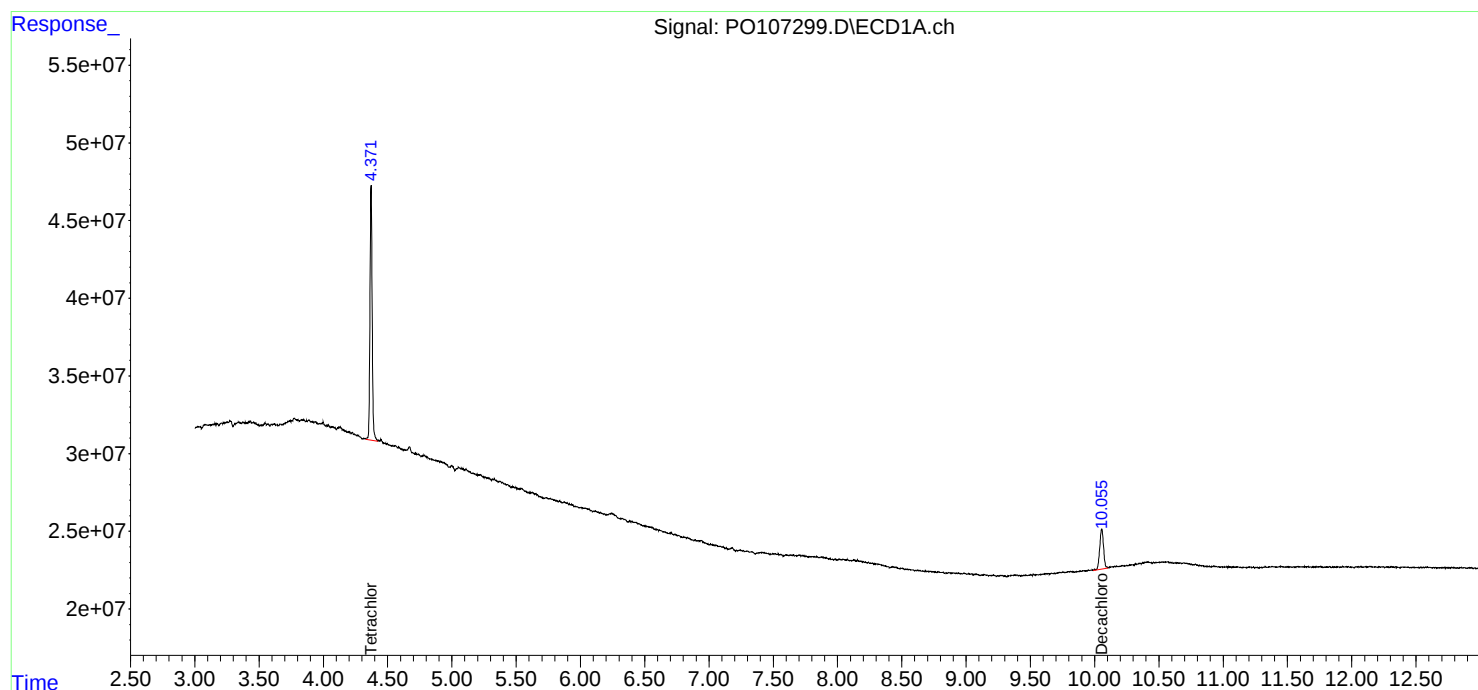
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

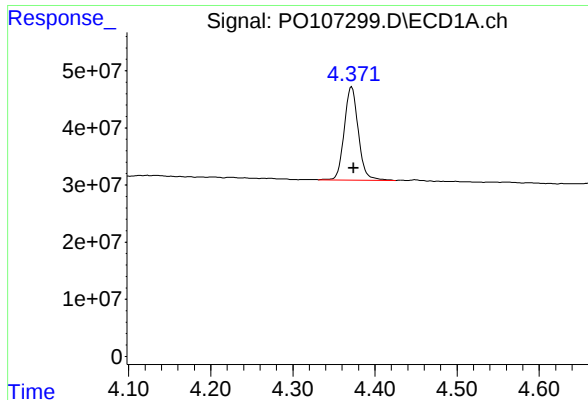
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 14:49
Operator : YP/AJ
Sample : PB164287BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB164287BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:08:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

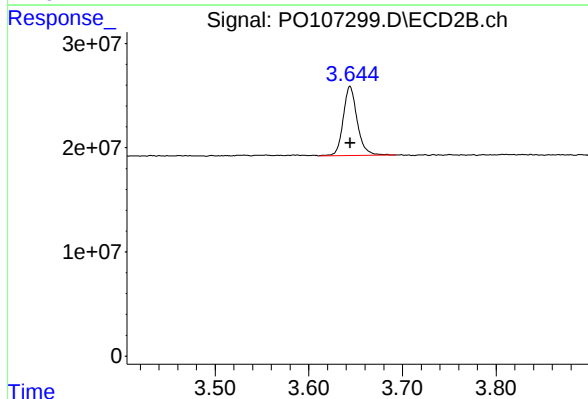




#1 Tetrachloro-m-xylene

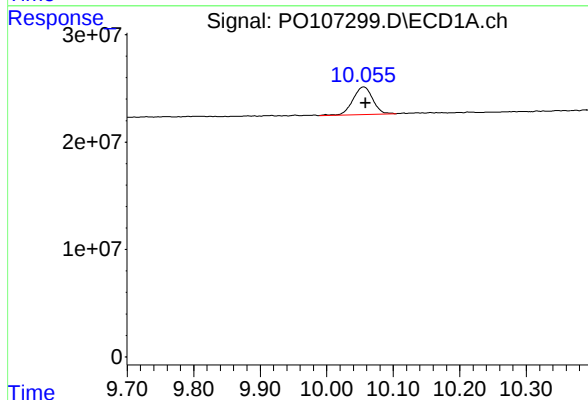
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 194563659
Conc: 21.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164287BL



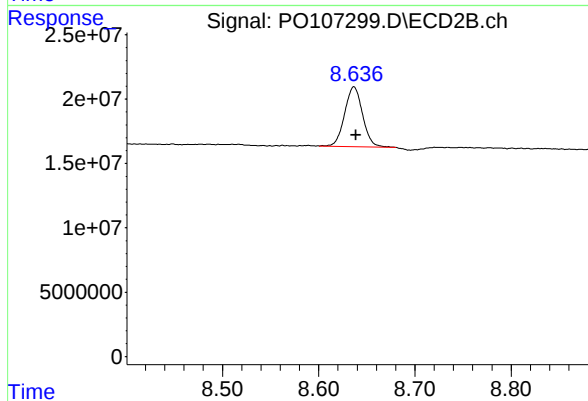
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 68887507
Conc: 21.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: -0.003 min
Response: 53191470
Conc: 21.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.637 min
Delta R.T.: -0.002 min
Response: 60107238
Conc: 21.92 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:		
Client Sample ID:	PB164342BL		SDG No.:	P4460	
Lab Sample ID:	PB164342BL		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068175.D	1	10/23/24 08:53	10/23/24 18:22	PB164342

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
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
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		30 (10) - 150 (157)	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		30 (10) - 150 (173)	108%	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\PP102324\
Data File : PP068175.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 18:22
Operator : YP\AJ
Sample : PB164342BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB164342BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 21:49:39 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...	4.754	4.050	18648225	19193272	20.146	18.996
2) SA Decachlor...	10.669	9.210	24885304	23615403	21.615	21.058

Target Compounds

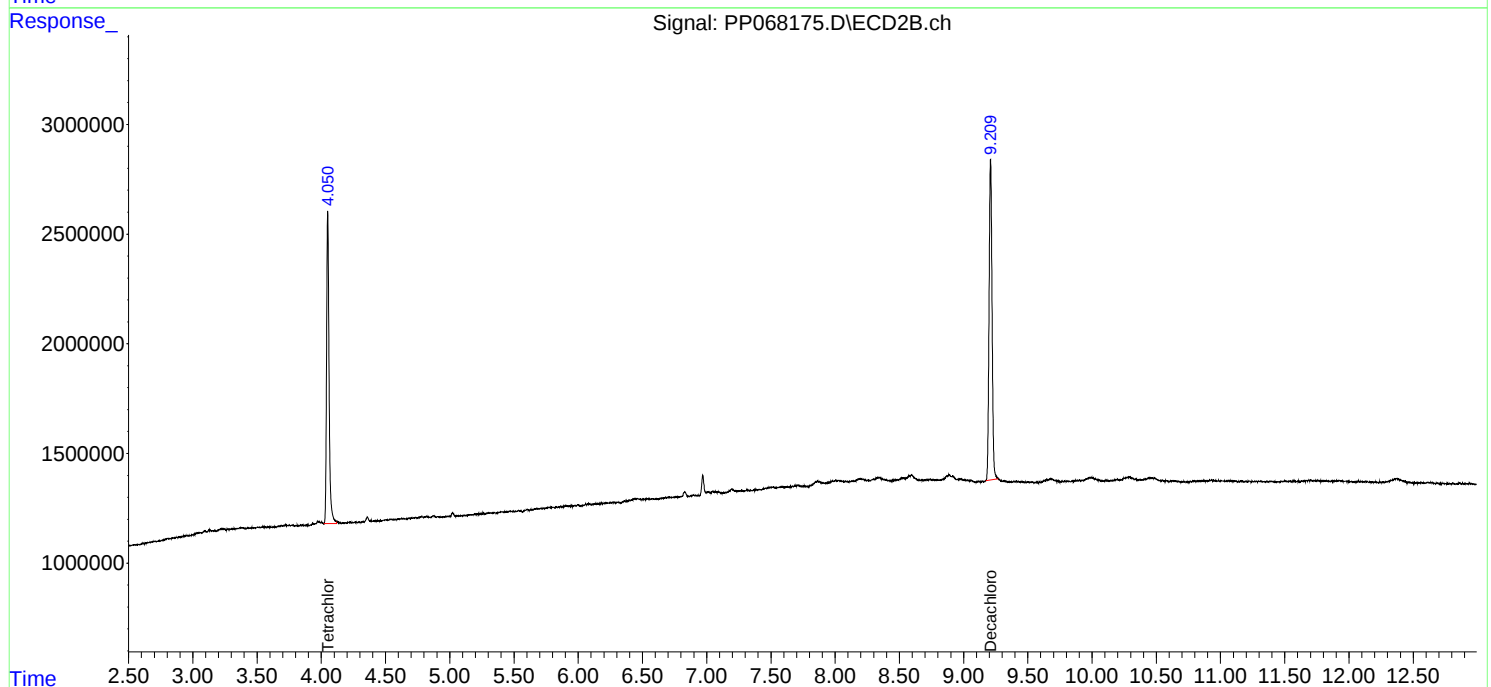
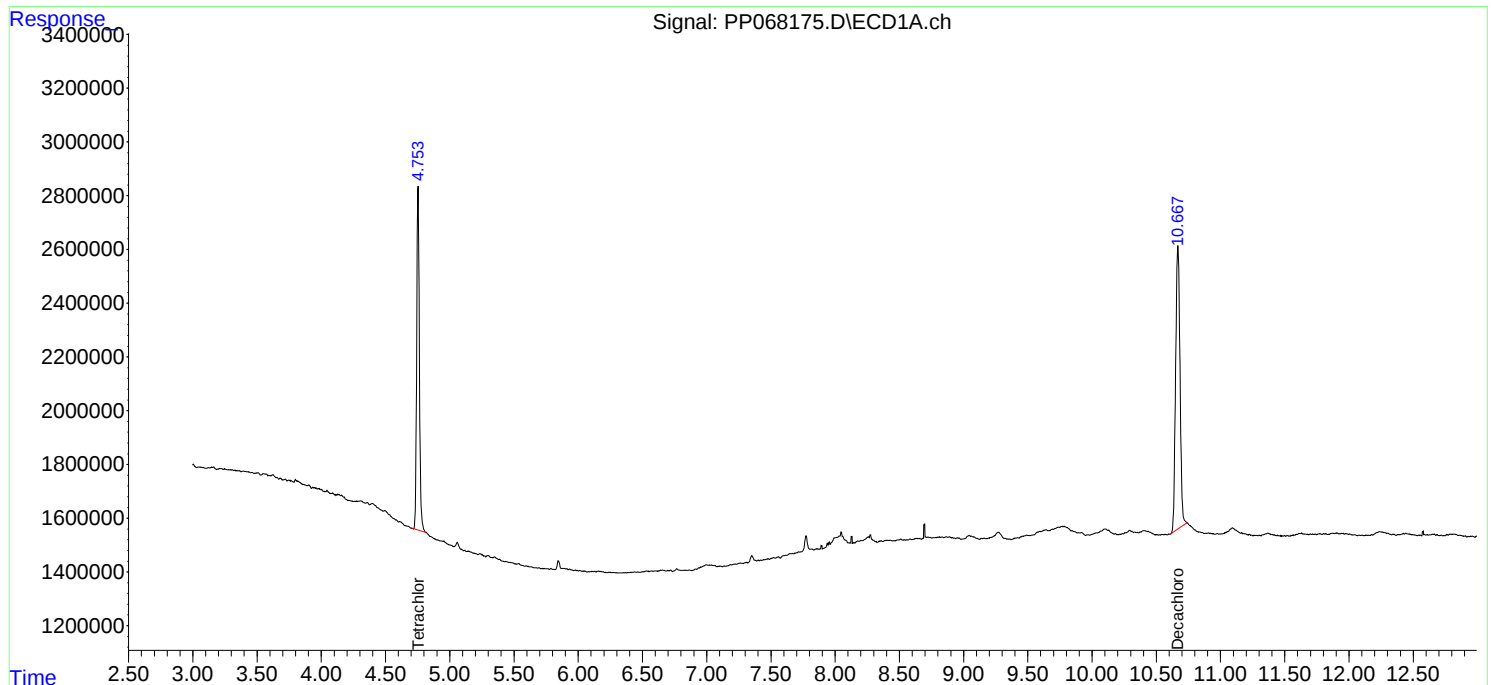
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

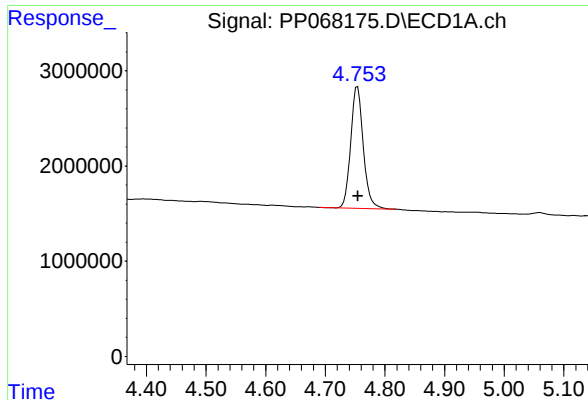
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
Data File : PP068175.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 18:22
Operator : YP\AJ
Sample : PB164342BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB164342BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 21:49:39 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

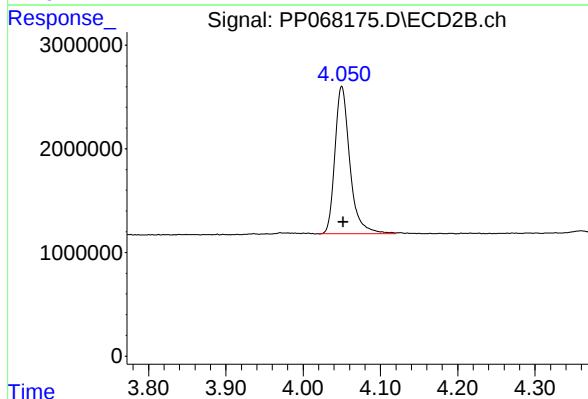




#1 Tetrachloro-m-xylene

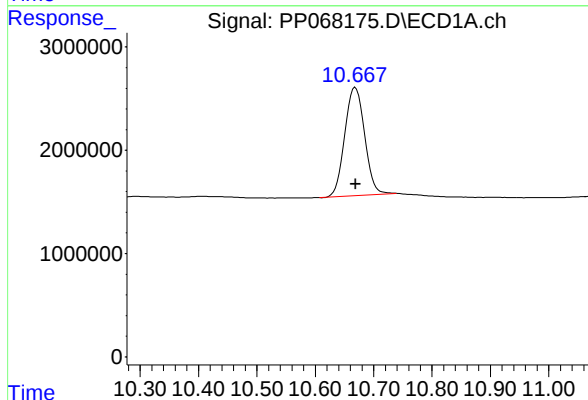
R.T.: 4.754 min
Delta R.T.: -0.001 min
Response: 18648225
Conc: 20.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB164342BL



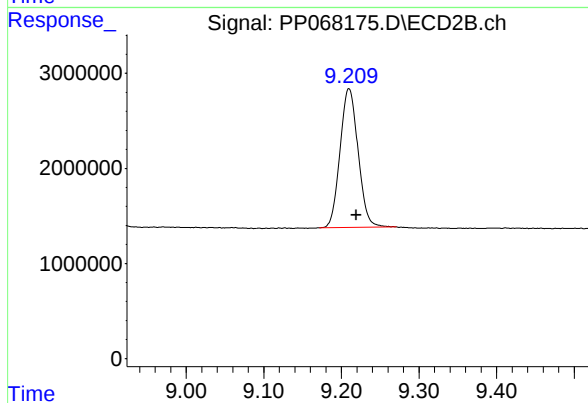
#1 Tetrachloro-m-xylene

R.T.: 4.050 min
Delta R.T.: -0.002 min
Response: 19193272
Conc: 19.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.669 min
Delta R.T.: 0.000 min
Response: 24885304
Conc: 21.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.210 min
Delta R.T.: -0.009 min
Response: 23615403
Conc: 21.06 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/15/24
Client Sample ID:	PIBLK-PO107183.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PO107183.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
PO107183.D	1		10/15/24	po101524

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	22.1		70 (60) - 130 (140)	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.8		70 (60) - 130 (140)	114%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
 Data File : PO107183.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 18:08
 Operator : YP/AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 04:56:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 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...	4.373	3.644	204.9E6	71065652	22.480	22.080
2) SA Decachlor...	10.057	8.638	57445703	62504934	23.415	22.799

Target Compounds

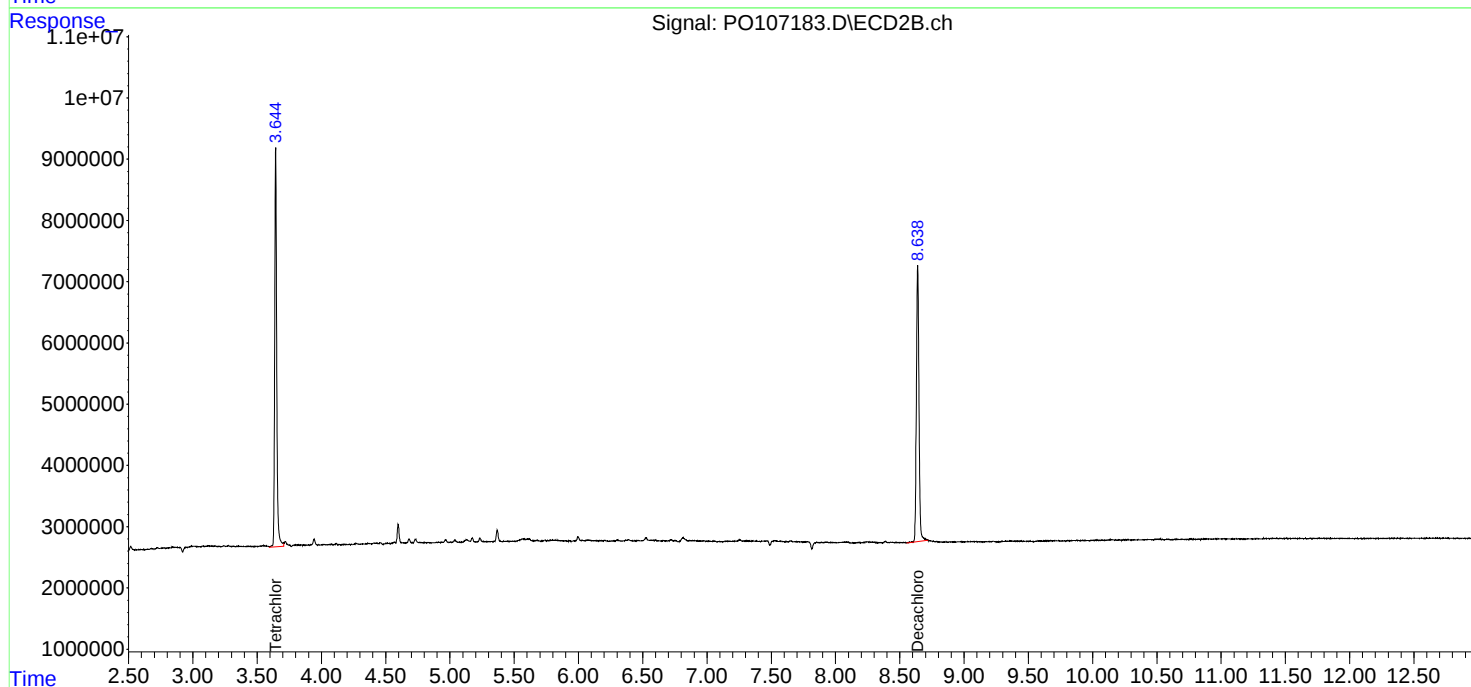
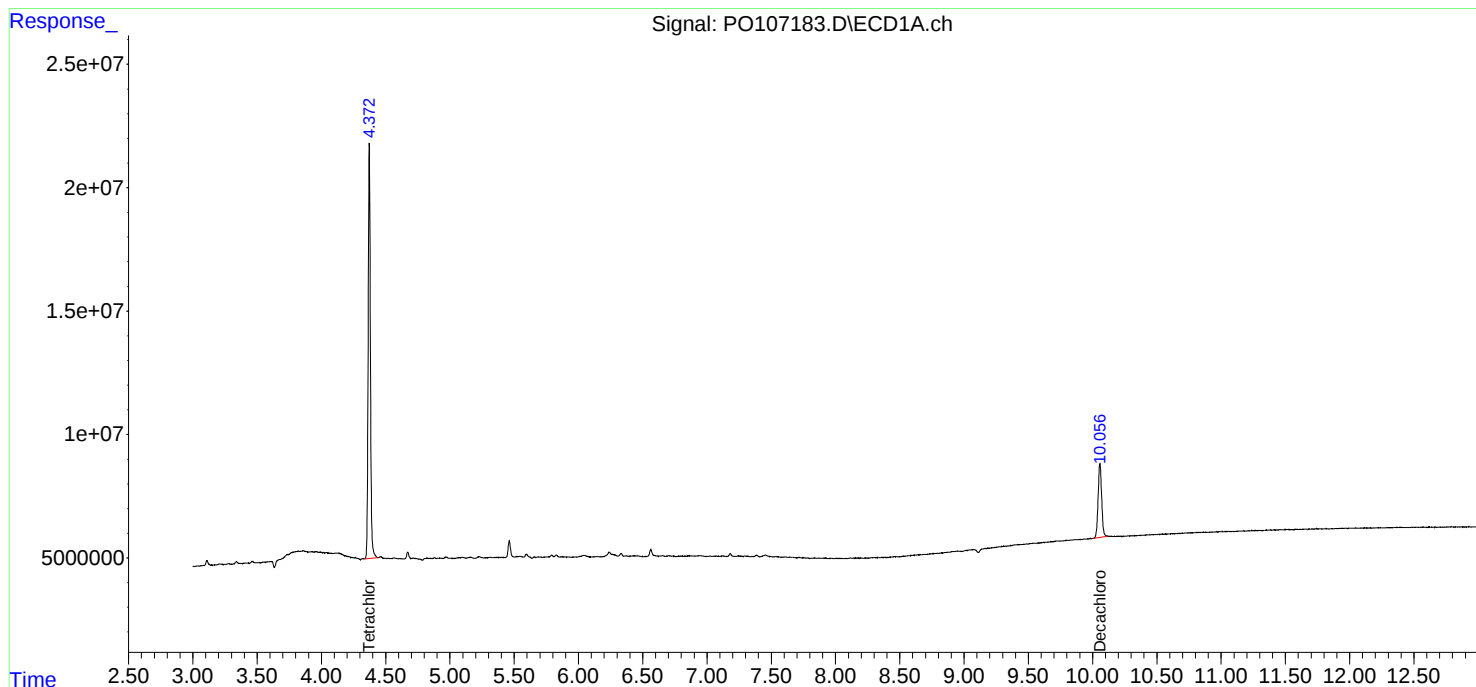
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

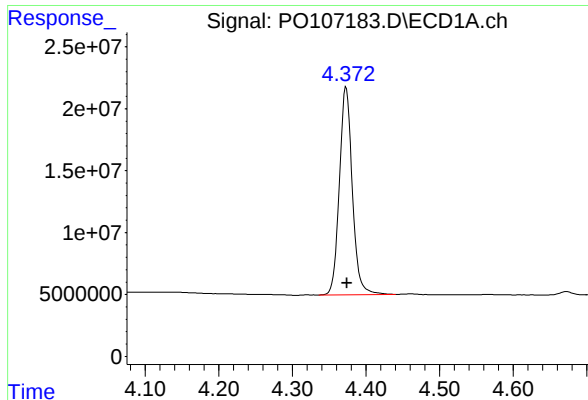
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:08
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:56:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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

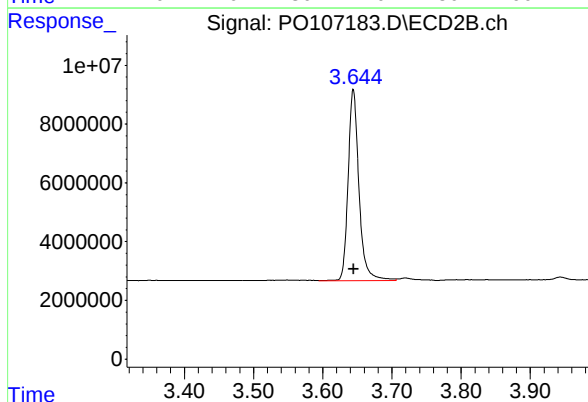




#1 Tetrachloro-m-xylene

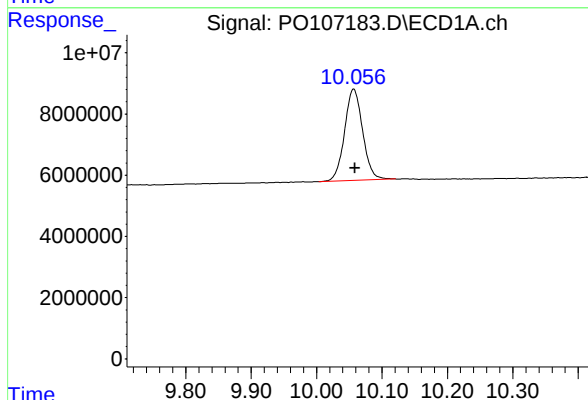
R.T.: 4.373 min
Delta R.T.: -0.001 min
Response: 204884980
Conc: 22.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



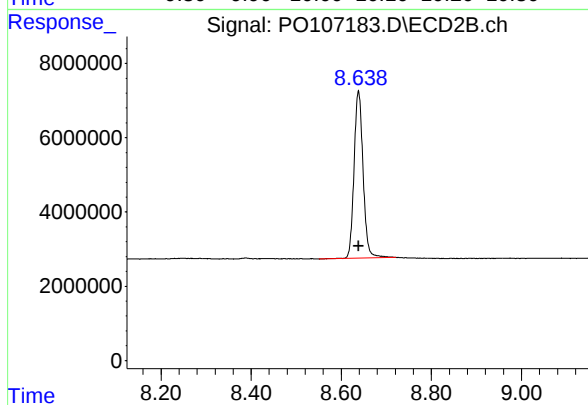
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 71065652
Conc: 22.08 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: -0.002 min
Response: 57445703
Conc: 23.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 62504934
Conc: 22.80 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/21/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	PIBLK-PO107297.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PO107297.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
PO107297.D	1		10/21/24	PO102124

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	24.1		70 (60) - 130 (140)	120%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		70 (60) - 130 (140)	113%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
 Data File : PO107297.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2024 14:13
 Operator : YP/AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 07:07:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 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...	4.371	3.644	219.8E6	77464414	24.112	24.069
2) SA Decachlor...	10.056	8.636	56374137	62106478	22.978	22.653m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 14:13
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

I.BLK

Manual Integrations

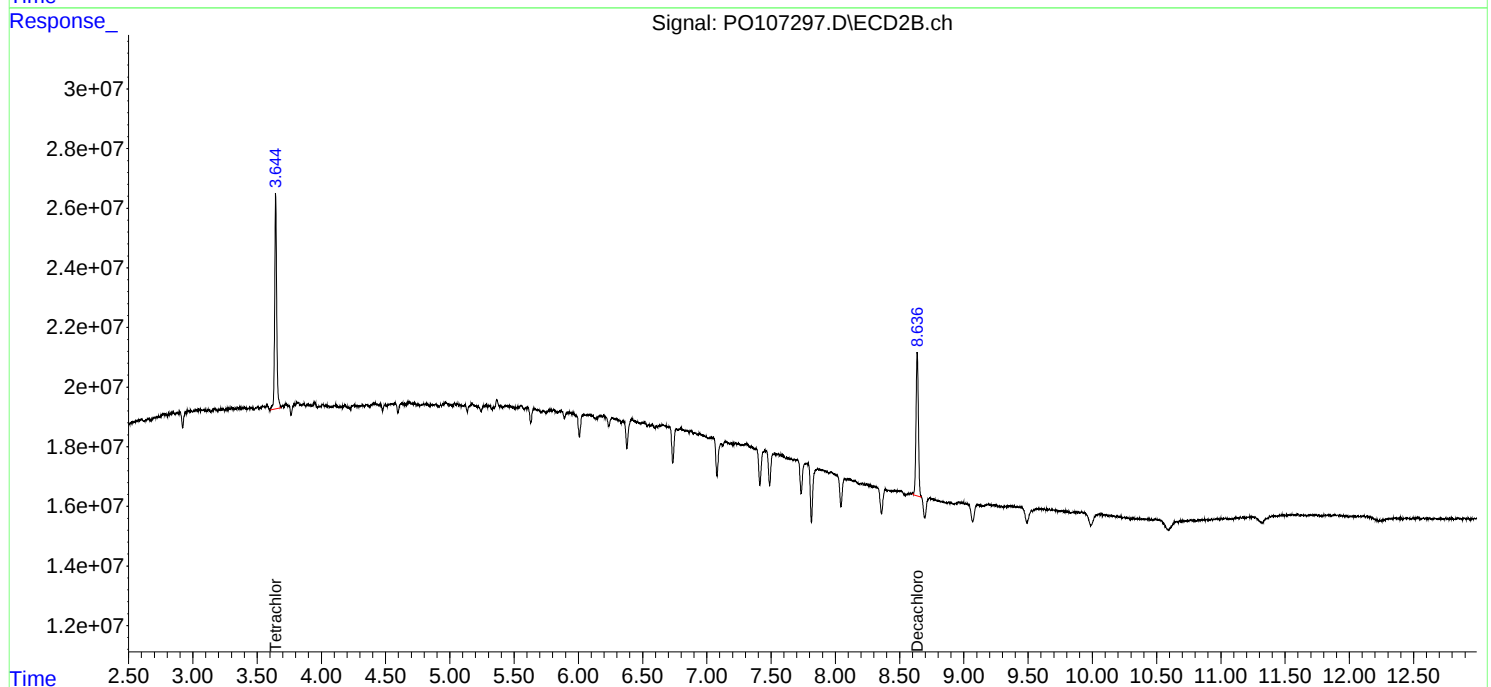
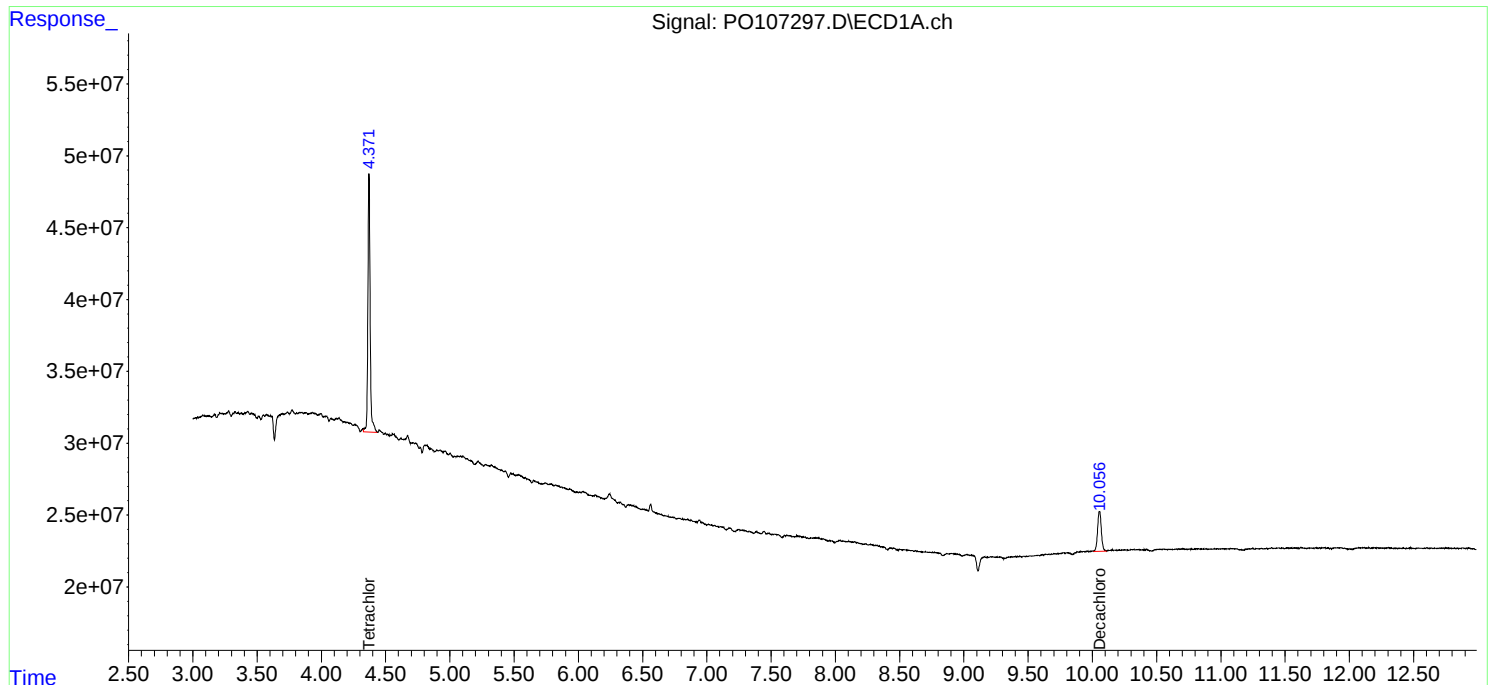
APPROVED

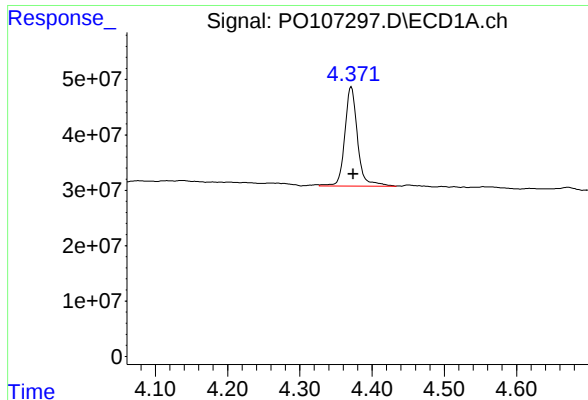
Reviewed By :Yogesh Patel 10/22/2024

Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:07:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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





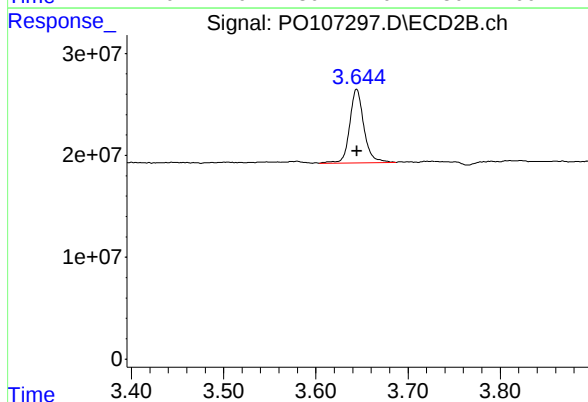
#1 Tetrachloro-m-xylene

R.T.: 4.371 min
 Delta R.T.: -0.003 min
 Response: 219750856
 Conc: 24.11 ng/ml

Instrument :
 ECD_O
 ClientSampleId :
 I.BLK

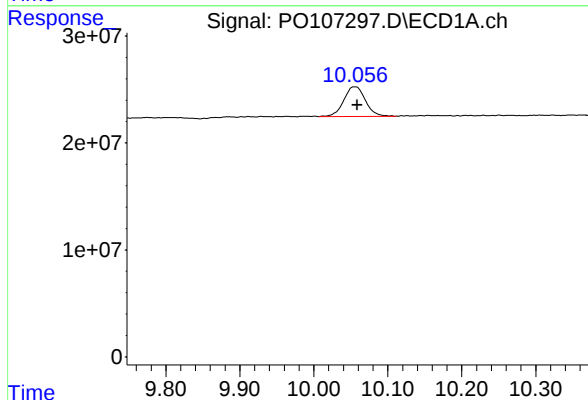
Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :Ankita Jodhani 10/22/2024



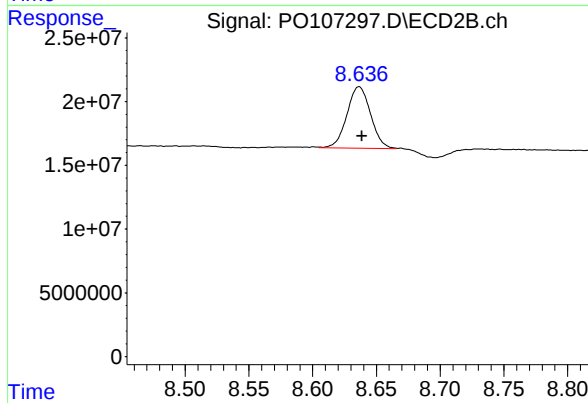
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
 Delta R.T.: 0.000 min
 Response: 77464414
 Conc: 24.07 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.056 min
 Delta R.T.: -0.002 min
 Response: 56374137
 Conc: 22.98 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.636 min
 Delta R.T.: -0.003 min
 Response: 62106478
 Conc: 22.65 ng/ml m

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/21/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	10/21/24	
Client Sample ID:	PIBLK-PO107312.D		SDG No.:	P4460	
Lab Sample ID:	I.BLK-PO107312.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107312.D	1		10/21/24	PO102124

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	24.2		70 (60) - 130 (140)	121%	SPK: 20
2051-24-3	Decachlorobiphenyl	27.2	*	70 (60) - 130 (140)	136%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
 Data File : PO107312.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2024 19:28
 Operator : YP/AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 07:17:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 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...	4.372	3.645	220.5E6	77794119	24.192	24.171
2) SA Decachlor...	10.054	8.638	71043263	74638926	28.957	27.225

Target Compounds

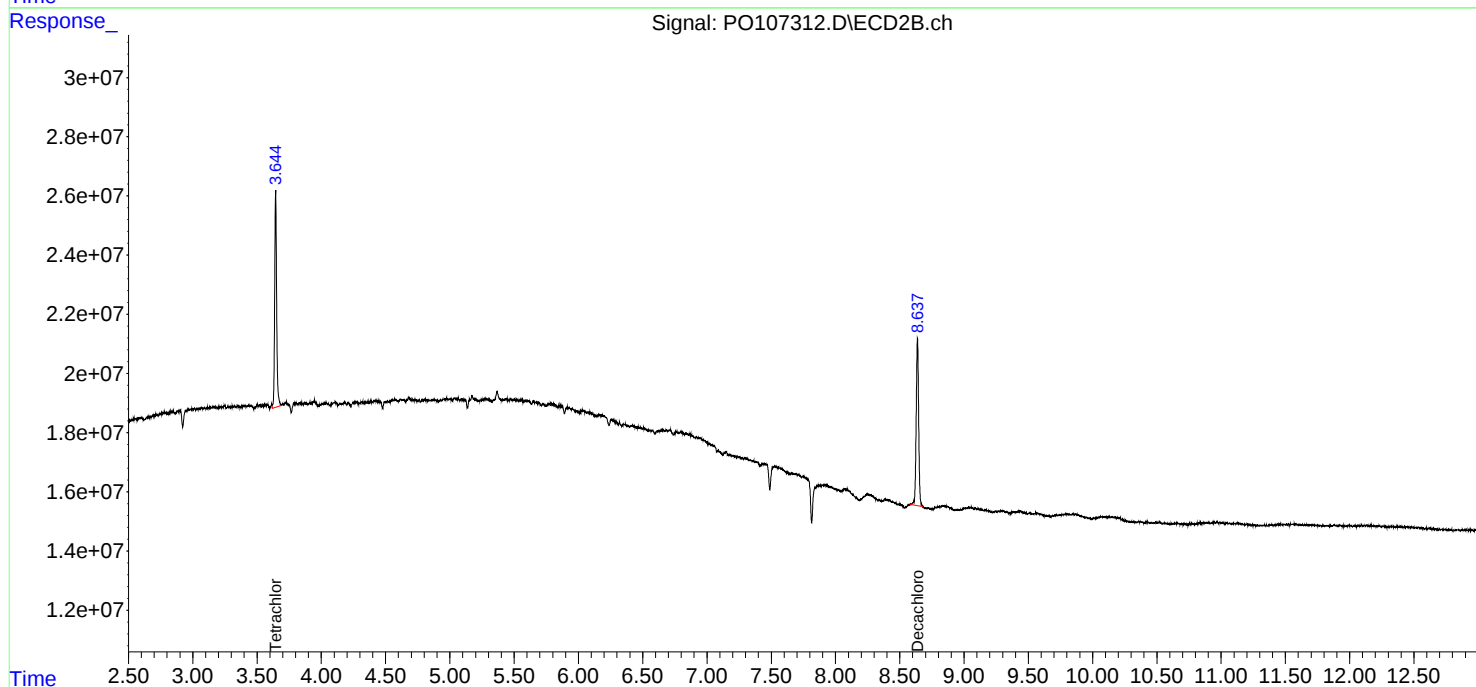
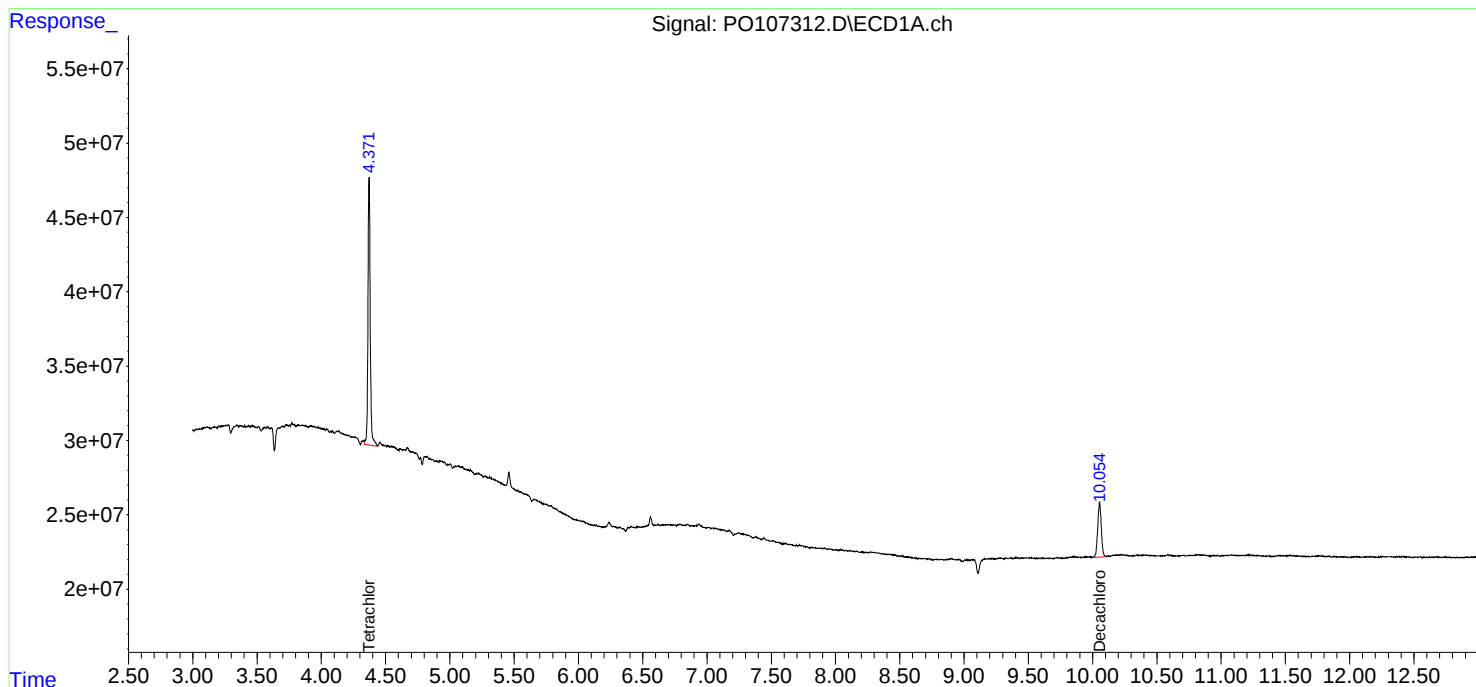
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

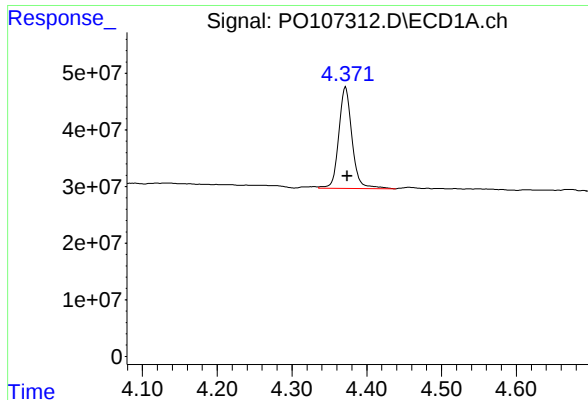
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107312.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 19:28
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:17:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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

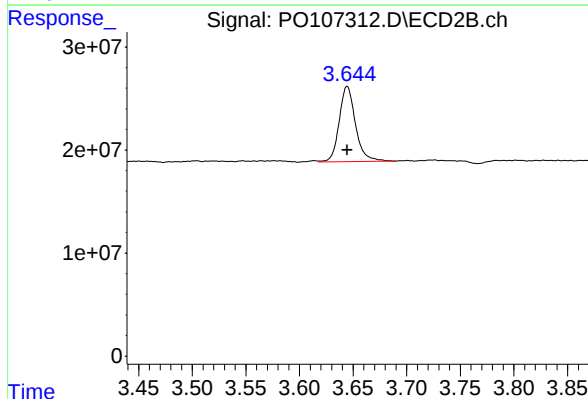




#1 Tetrachloro-m-xylene

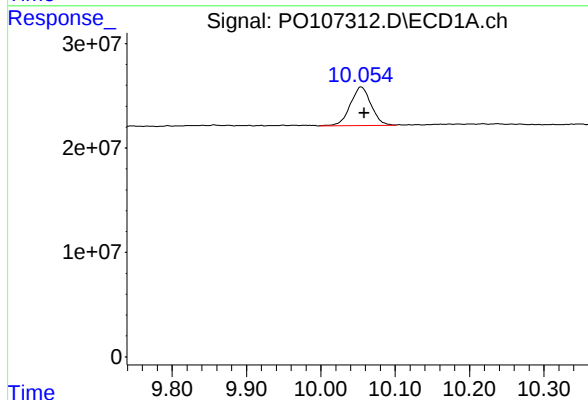
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 220479073
Conc: 24.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



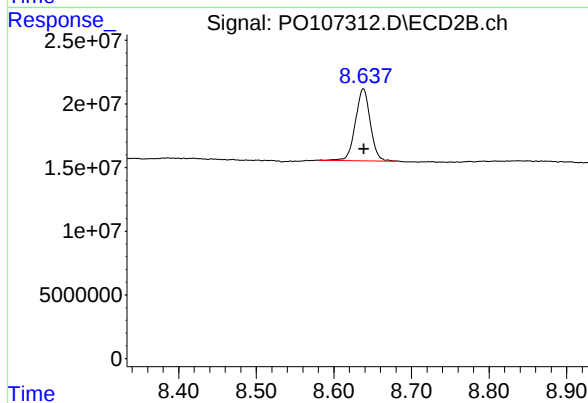
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 77794119
Conc: 24.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.054 min
Delta R.T.: -0.004 min
Response: 71043263
Conc: 28.96 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 74638926
Conc: 27.22 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/22/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	10/22/24	
Client Sample ID:	PIBLK-PO107327.D		SDG No.:	P4460	
Lab Sample ID:	I.BLK-PO107327.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107327.D	1		10/22/24	PO102124

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	24.4		70 (60) - 130 (140)	122%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.4		70 (60) - 130 (140)	107%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
 Data File : PO107327.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Oct 2024 00:42
 Operator : YP/AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 07:26:48 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 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...	4.372	3.645	222.3E6	78703260	24.393	24.453
2) SA Decachlor...	10.057	8.637	53793287	58805464	21.926	21.449

Target Compounds

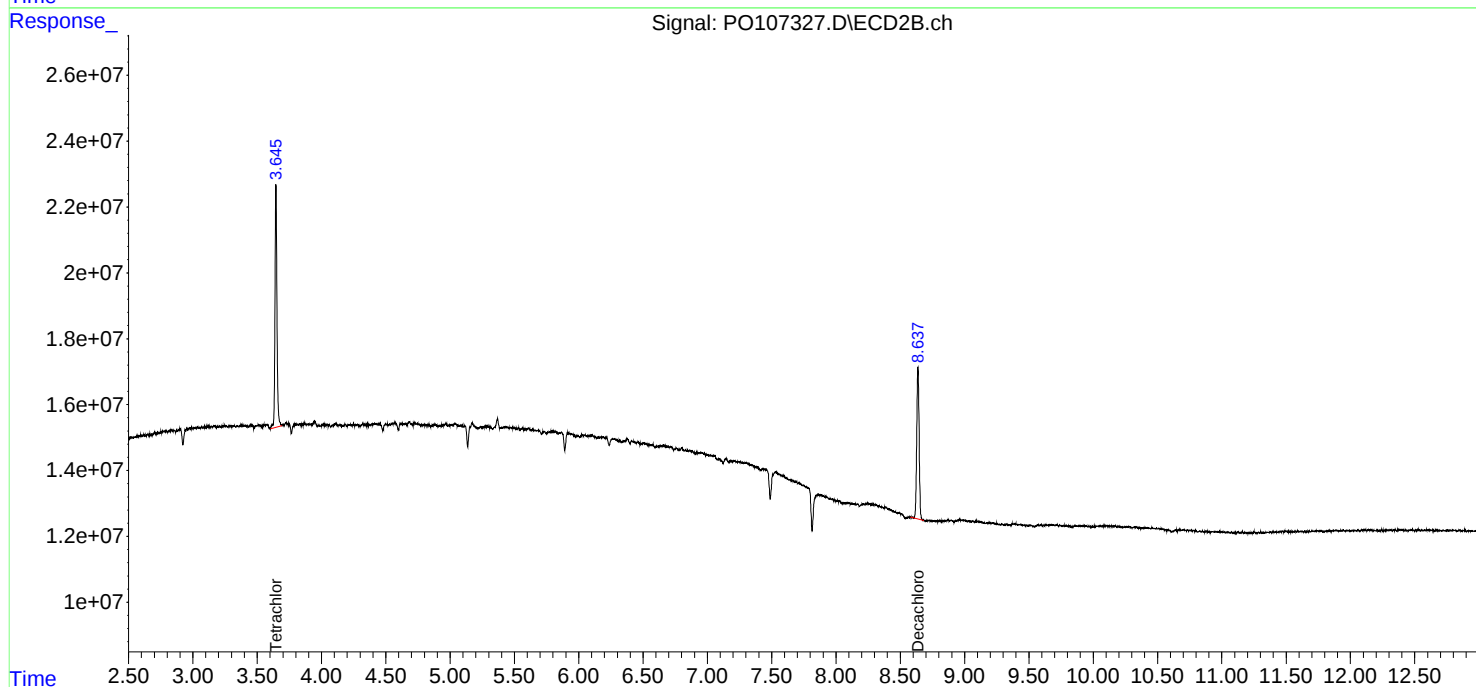
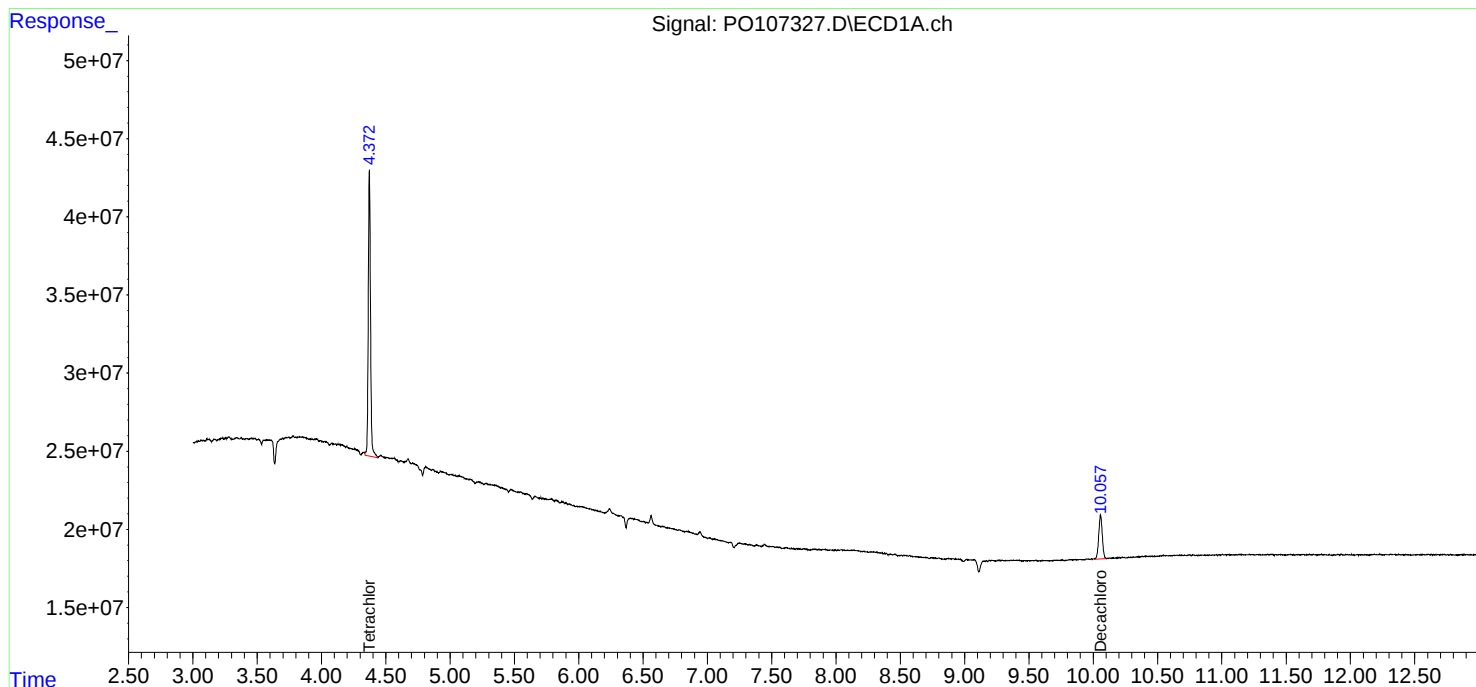
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

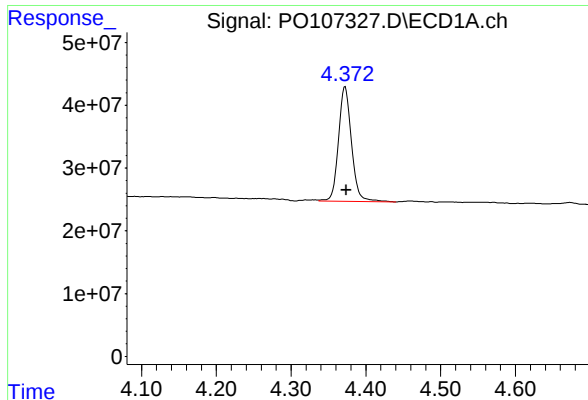
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2024 00:42
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:26:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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

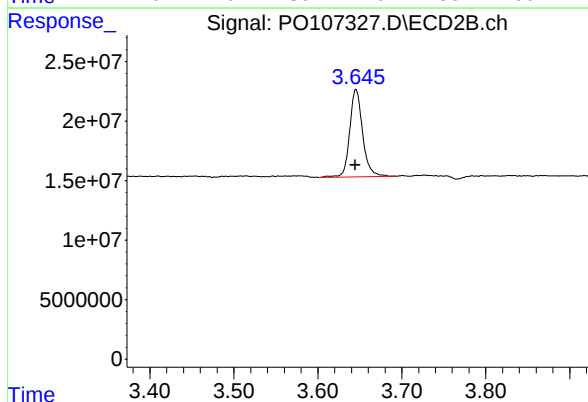




#1 Tetrachloro-m-xylene

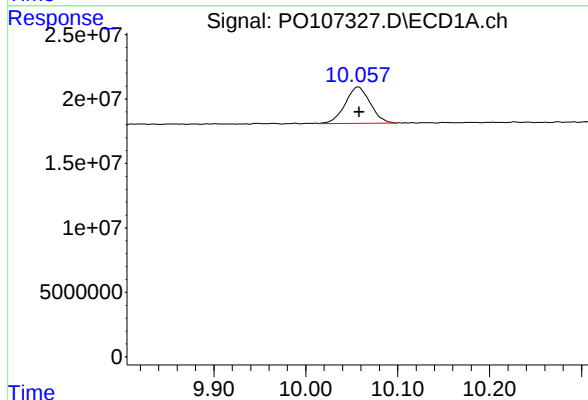
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 222317012
Conc: 24.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



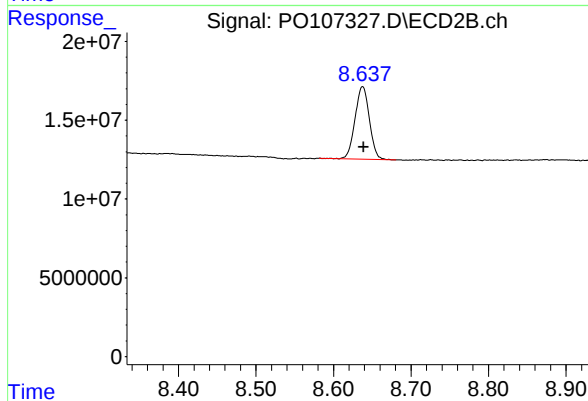
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 78703260
Conc: 24.45 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: -0.001 min
Response: 53793287
Conc: 21.93 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.637 min
Delta R.T.: -0.001 min
Response: 58805464
Conc: 21.45 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/08/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/08/24
Client Sample ID:	PIBLK-PP067586.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PP067586.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
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

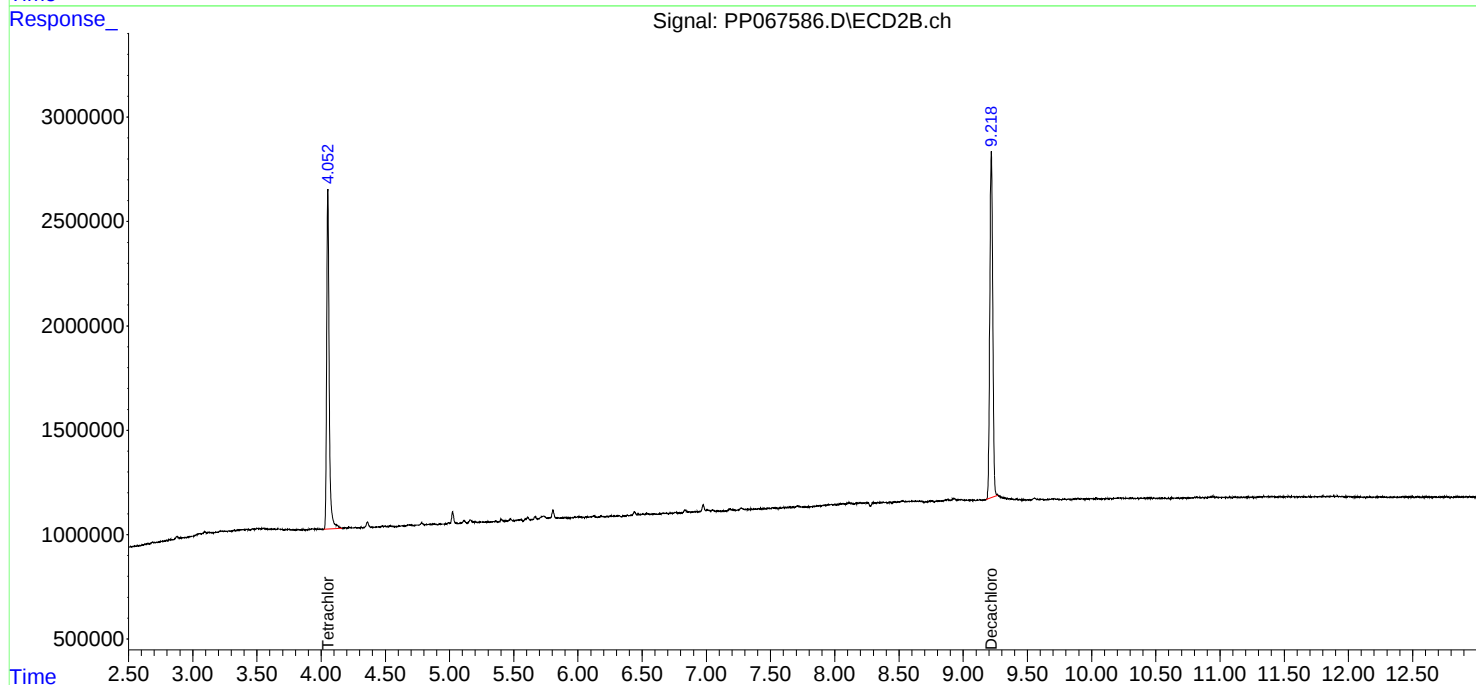
System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.052	19509395	22280537	21.077	22.051
2) SA Decachlor...	10.665	9.218	27200282	26328613	23.626	23.477

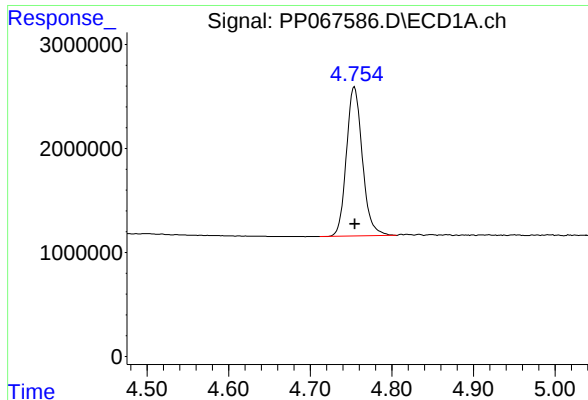
Target Compounds

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

Instrument :
ECD_P
ClientSampleId :
I.BLK

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

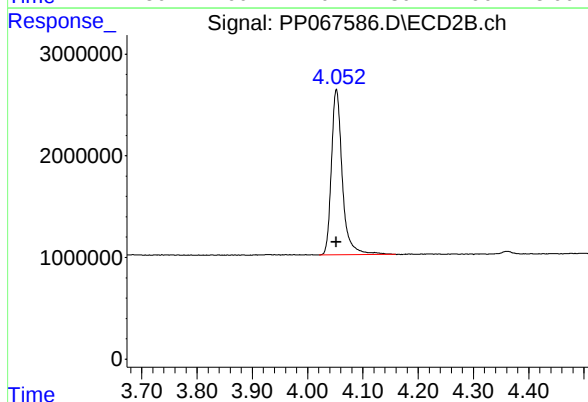




#1 Tetrachloro-m-xylene

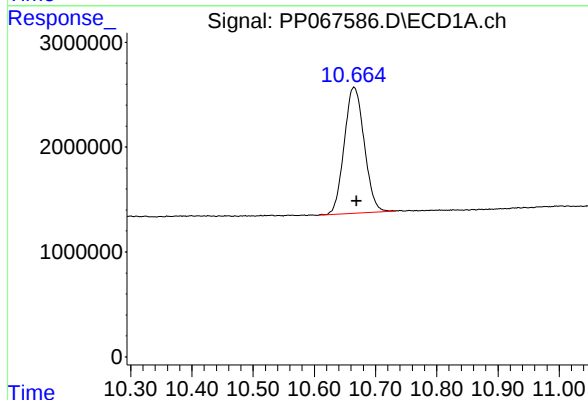
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 19509395
Conc: 21.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



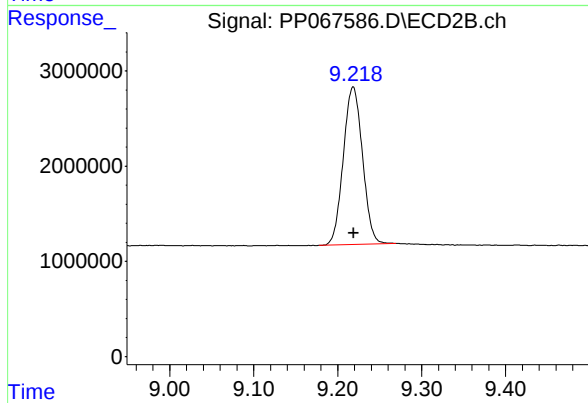
#1 Tetrachloro-m-xylene

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:	Portal Partners Tri-Venture		Date Collected:	10/23/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	10/23/24	
Client Sample ID:	PIBLK-PP068170.D		SDG No.:	P4460	
Lab Sample ID:	I.BLK-PP068170.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068170.D	1		10/23/24	pp102324

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	19.5		70 (60) - 130 (140)	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.9		70 (60) - 130 (140)	104%	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\PP102324\
 Data File : PP068170.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2024 17:01
 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 23 21:46:50 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...	4.756	4.049	19272811	19721848	20.821	19.519
2) SA Decachlor...	10.671	9.209	25235990	23436707	21.919	20.898

Target Compounds

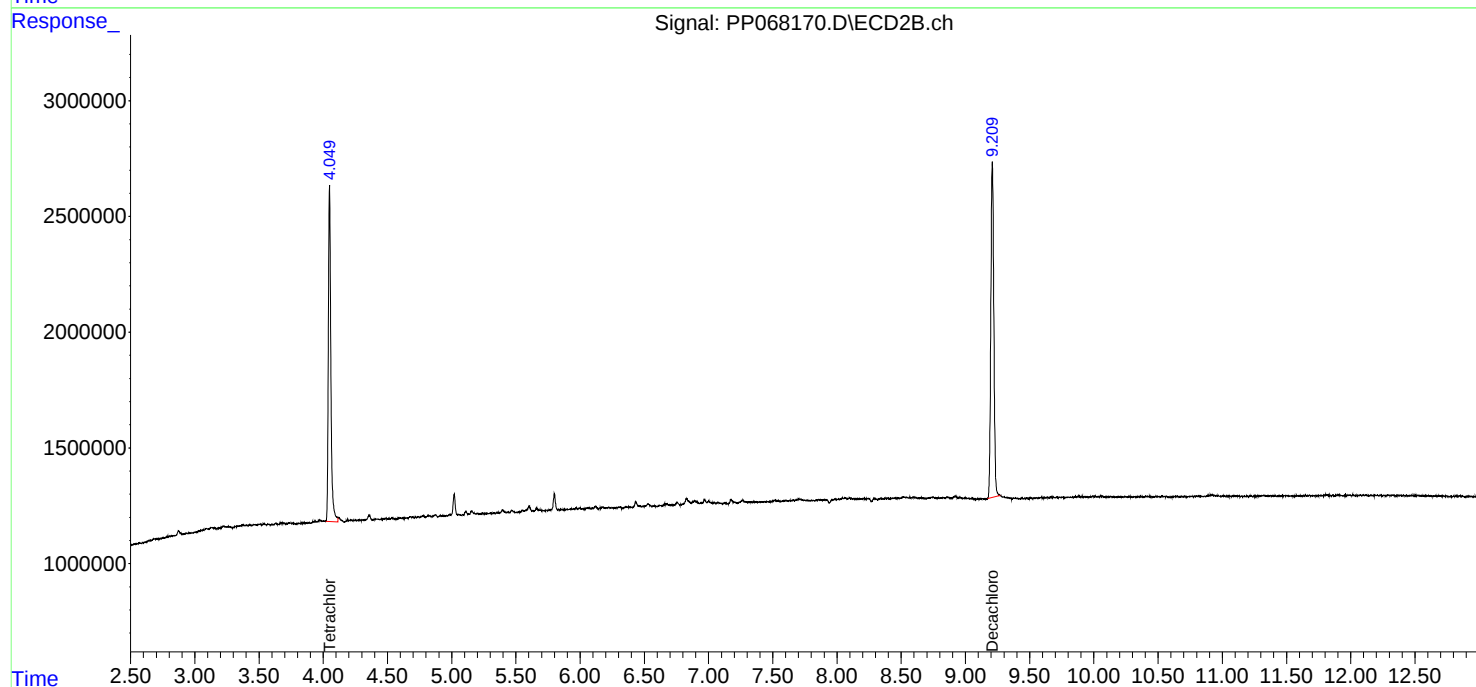
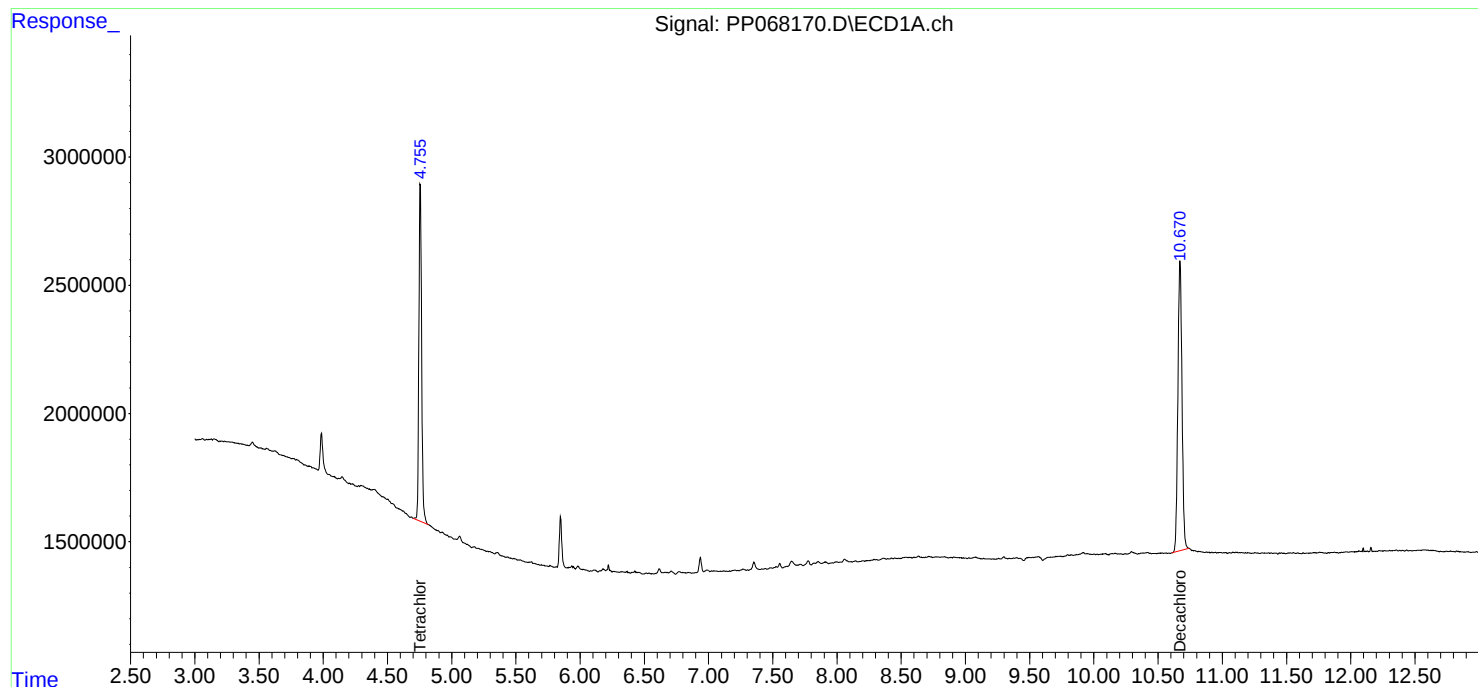
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

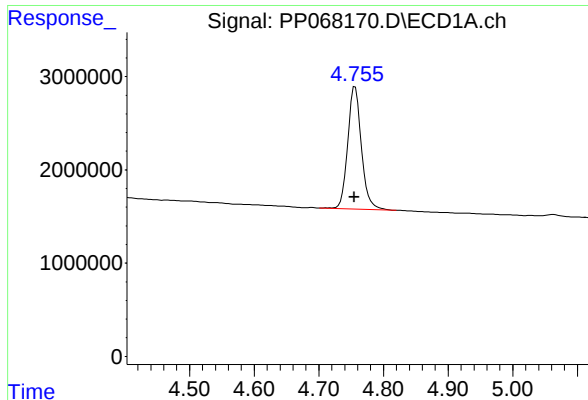
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
Data File : PP068170.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 17:01
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 21:46:50 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

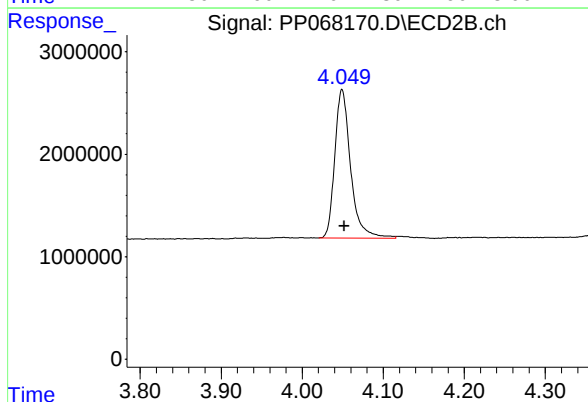




#1 Tetrachloro-m-xylene

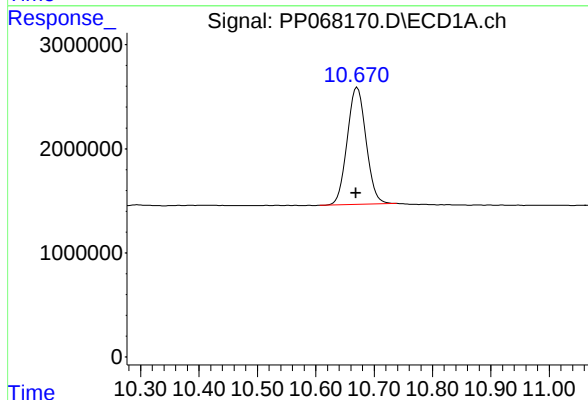
R.T.: 4.756 min
Delta R.T.: 0.001 min
Response: 19272811
Conc: 20.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



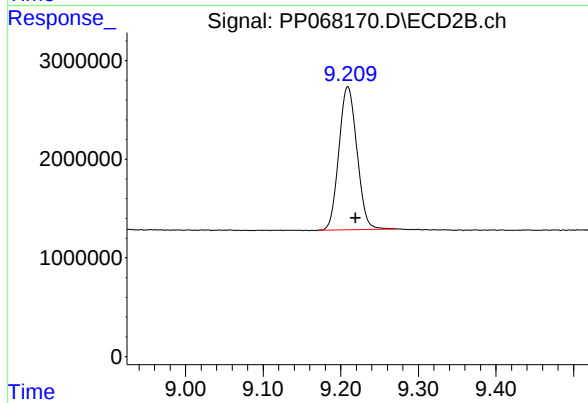
#1 Tetrachloro-m-xylene

R.T.: 4.049 min
Delta R.T.: -0.003 min
Response: 19721848
Conc: 19.52 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.671 min
Delta R.T.: 0.002 min
Response: 25235990
Conc: 21.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.209 min
Delta R.T.: -0.010 min
Response: 23436707
Conc: 20.90 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/23/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	10/23/24	
Client Sample ID:	PIBLK-PP068184.D		SDG No.:	P4460	
Lab Sample ID:	I.BLK-PP068184.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068184.D	1		10/23/24	pp102324

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	19.6		70 (60) - 130 (140)	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		70 (60) - 130 (140)	108%	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\PP102324\
 Data File : PP068184.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2024 21:08
 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 23 21:54:38 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...	4.756	4.050	19389104	19785983	20.947	19.582
2) SA Decachlor...	10.671	9.209	25890881	24164287	22.488	21.547

Target Compounds

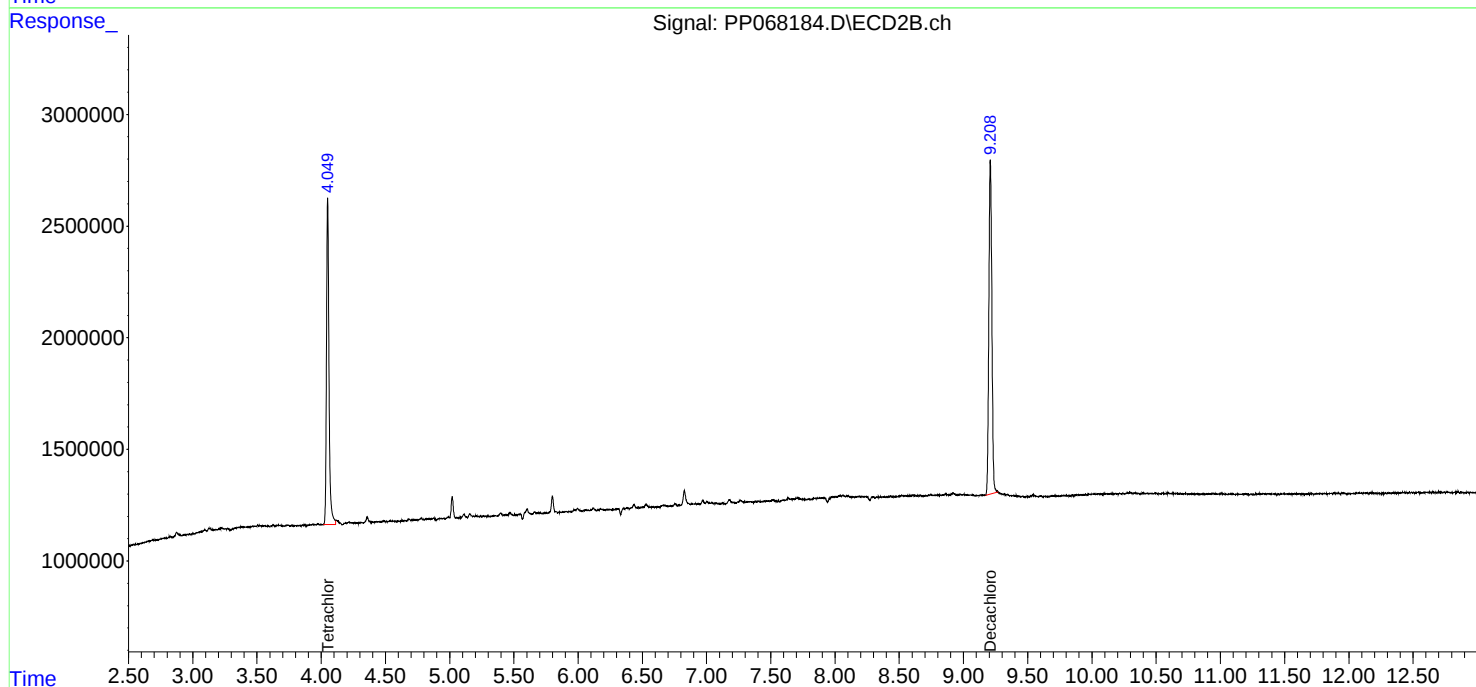
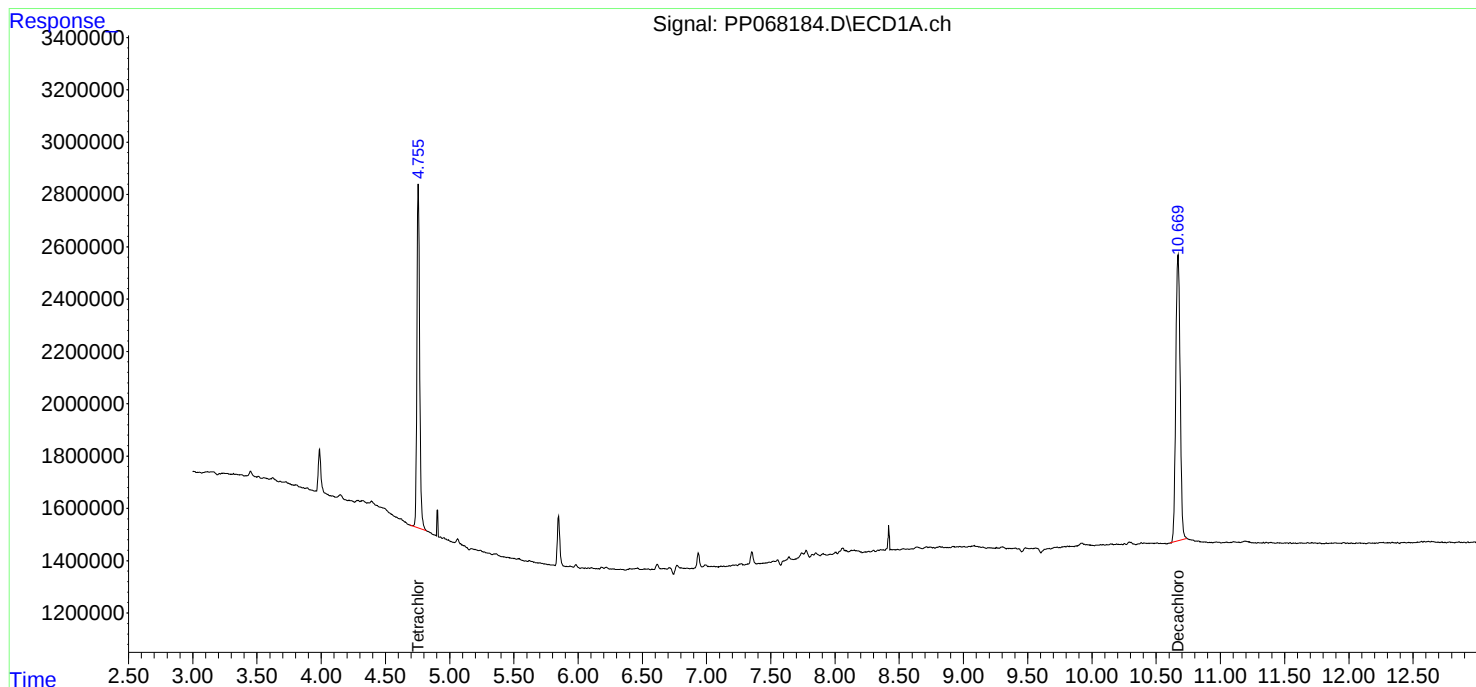
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

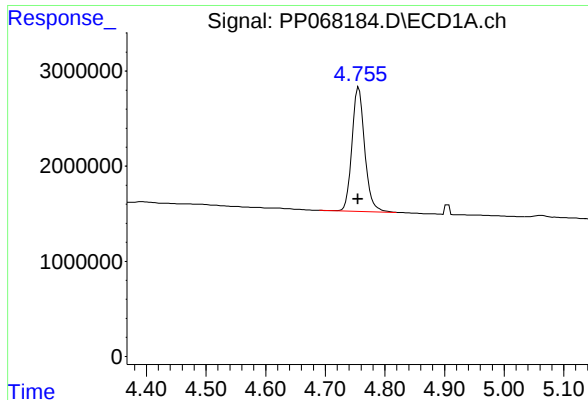
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
Data File : PP068184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 21:08
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 21:54:38 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

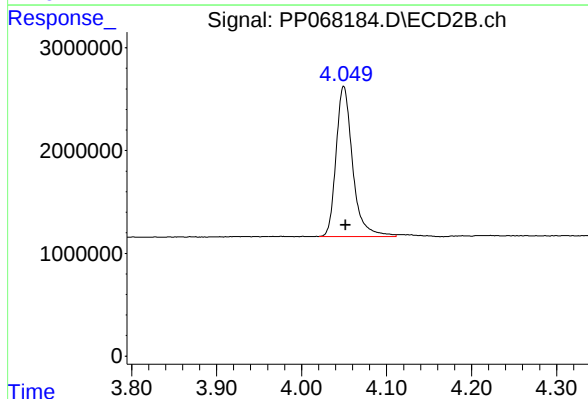




#1 Tetrachloro-m-xylene

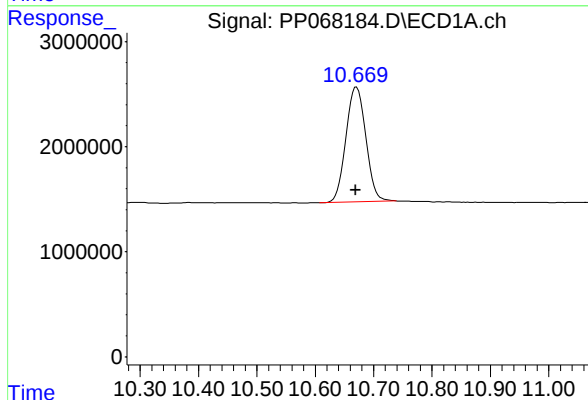
R.T.: 4.756 min
Delta R.T.: 0.001 min
Response: 19389104
Conc: 20.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



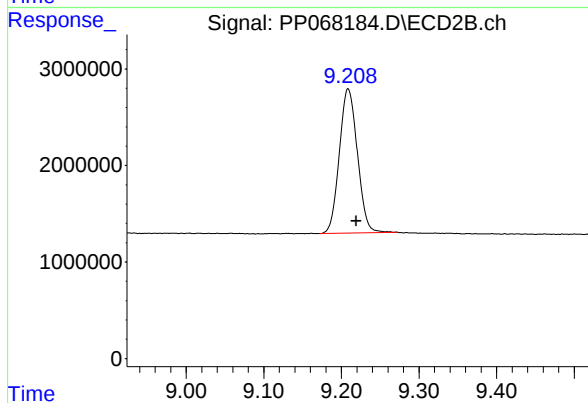
#1 Tetrachloro-m-xylene

R.T.: 4.050 min
Delta R.T.: -0.002 min
Response: 19785983
Conc: 19.58 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.671 min
Delta R.T.: 0.002 min
Response: 25890881
Conc: 22.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.209 min
Delta R.T.: -0.010 min
Response: 24164287
Conc: 21.55 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164287BS	SDG No.:	P4460
Lab Sample ID:	PB164287BS	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
PO107300.D	1	10/21/24 10:10	10/21/24 15:07	PB164287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	154		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	160		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.8		30 (32) - 150 (144)	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.9		30 (32) - 150 (175)	114%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
 Data File : PO107300.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2024 15:07
 Operator : YP/AJ
 Sample : PB164287BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

PB164287BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 07:09:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 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...	4.372	3.644	198.3E6	68569346	21.763	21.305
2) SA Decachlor...	10.056	8.637	52695274	62686860	21.479	22.865
Target Compounds						
3) L1 AR-1016-1	5.520	4.726	126.2E6	47975748	467.897m	464.586
4) L1 AR-1016-2	5.543	4.745	185.8E6	71126209	468.100m	504.557
5) L1 AR-1016-3	5.605	4.920	108.0E6	37324349	430.083m	473.986
6) L1 AR-1016-4	5.701	4.961	89309342	27261827	463.675m	412.381
7) L1 AR-1016-5	5.997	5.175	83877781	37012962	459.218	450.642
31) L7 AR-1260-1	7.123	6.205	125.2E6	75778633	483.984	488.407m
32) L7 AR-1260-2	7.379	6.392	133.0E6	83669164	505.256	475.081m
33) L7 AR-1260-3	7.741	6.546	78718828	84303428	437.947	502.560m
34) L7 AR-1260-4	7.966	7.016	85631044	63789339	487.915	440.897m
35) L7 AR-1260-5	8.279	7.257	137.4E6	150.7E6	483.240	457.409m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107300.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 15:07
Operator : YP/AJ
Sample : PB164287BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

PB164287BS

Manual Integrations

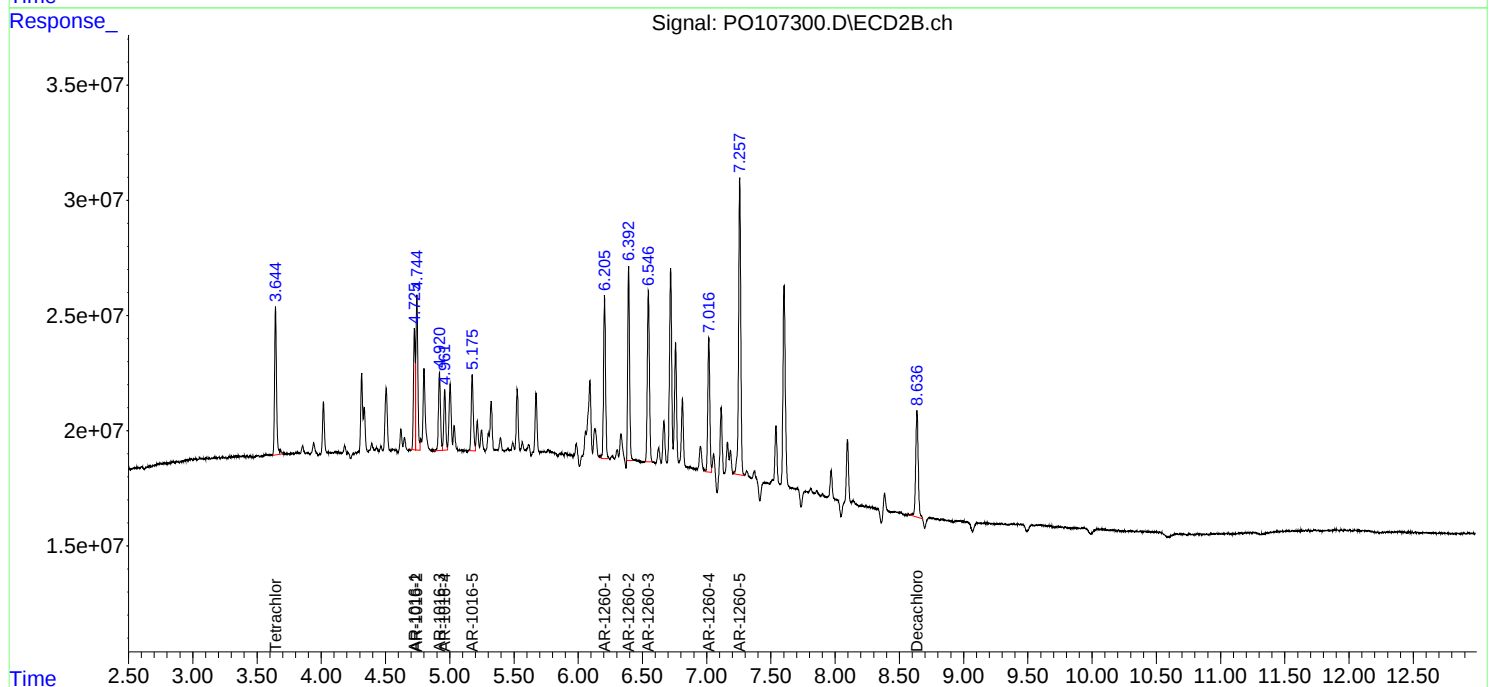
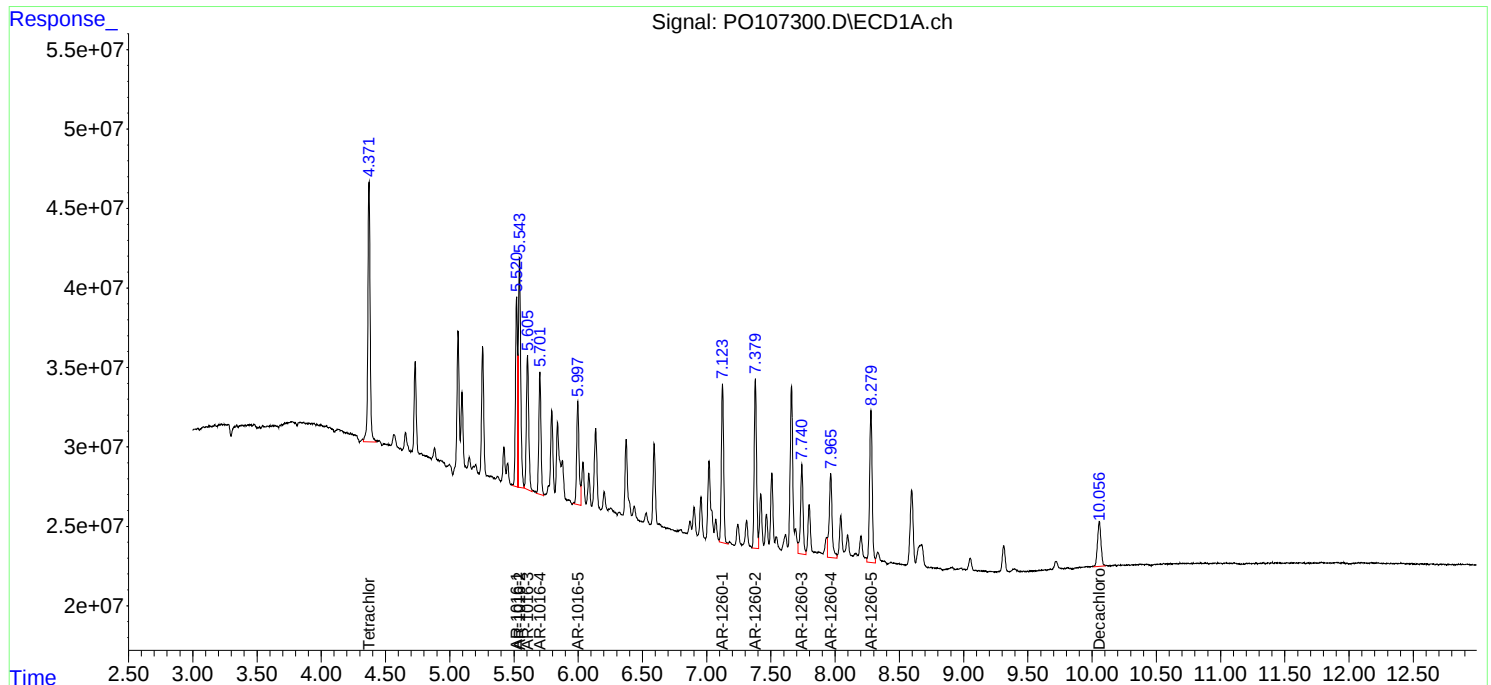
APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:09:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:		
Client Sample ID:	PB164342BS		SDG No.:	P4460	
Lab Sample ID:	PB164342BS		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068176.D	1	10/23/24 08:53	10/23/24 18:38	PB164342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.40		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
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
11096-82-5	Aroclor-1260	3.90		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		30 (10) - 150 (157)	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.4		30 (10) - 150 (173)	107%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
 Data File : PP068176.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2024 18:38
 Operator : YP\AJ
 Sample : PB164342BS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

PB164342BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 21:50:11 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...	4.756	4.049	19224984	18166459	20.769	17.979m
2) SA Decachlor...	10.670	9.210	24656815	23407491	21.416	20.872
Target Compounds						
3) L1 AR-1016-1	5.922	5.157	16123319	14045250	487.600	401.439
4) L1 AR-1016-2	5.943	5.177	21046992	19490974	431.549	404.641
5) L1 AR-1016-3	6.006	5.357	13809102	10885330	438.218	404.096
6) L1 AR-1016-4	6.105	5.397	11220584	9463645	435.858	392.925
7) L1 AR-1016-5	6.399	5.616	11091565	11804780	409.783	388.189
31) L7 AR-1260-1	7.523	6.659	22118709	23156819	409.426	406.531
32) L7 AR-1260-2	7.776	6.846	25853285	27111757	408.613	406.446
33) L7 AR-1260-3	8.137	7.004	18390752	26078363	354.699	409.386
34) L7 AR-1260-4	8.376	7.478	22268749	20036793	369.947	362.377
35) L7 AR-1260-5	8.713	7.716	39982679	44237539	371.200	361.718

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
Data File : PP068176.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 18:38
Operator : YP\AJ
Sample : PB164342BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

PB164342BS

Manual Integrations

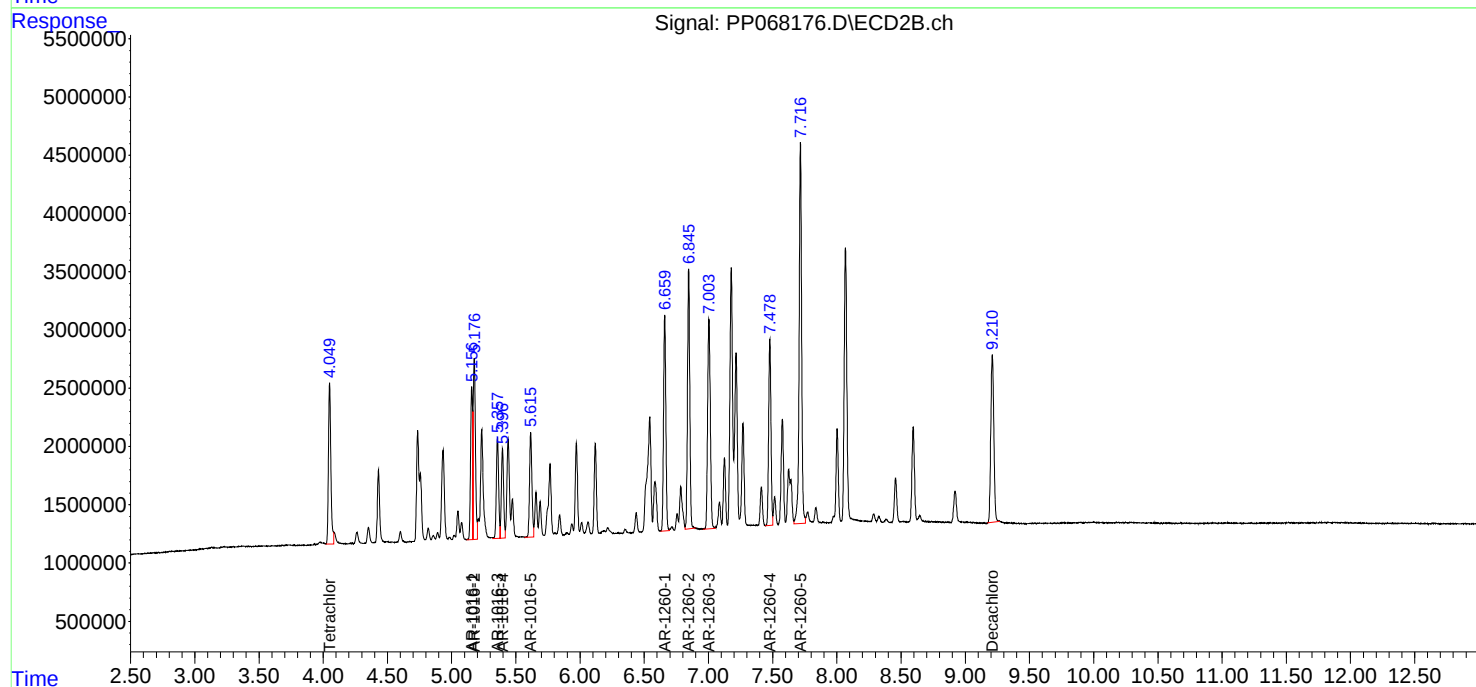
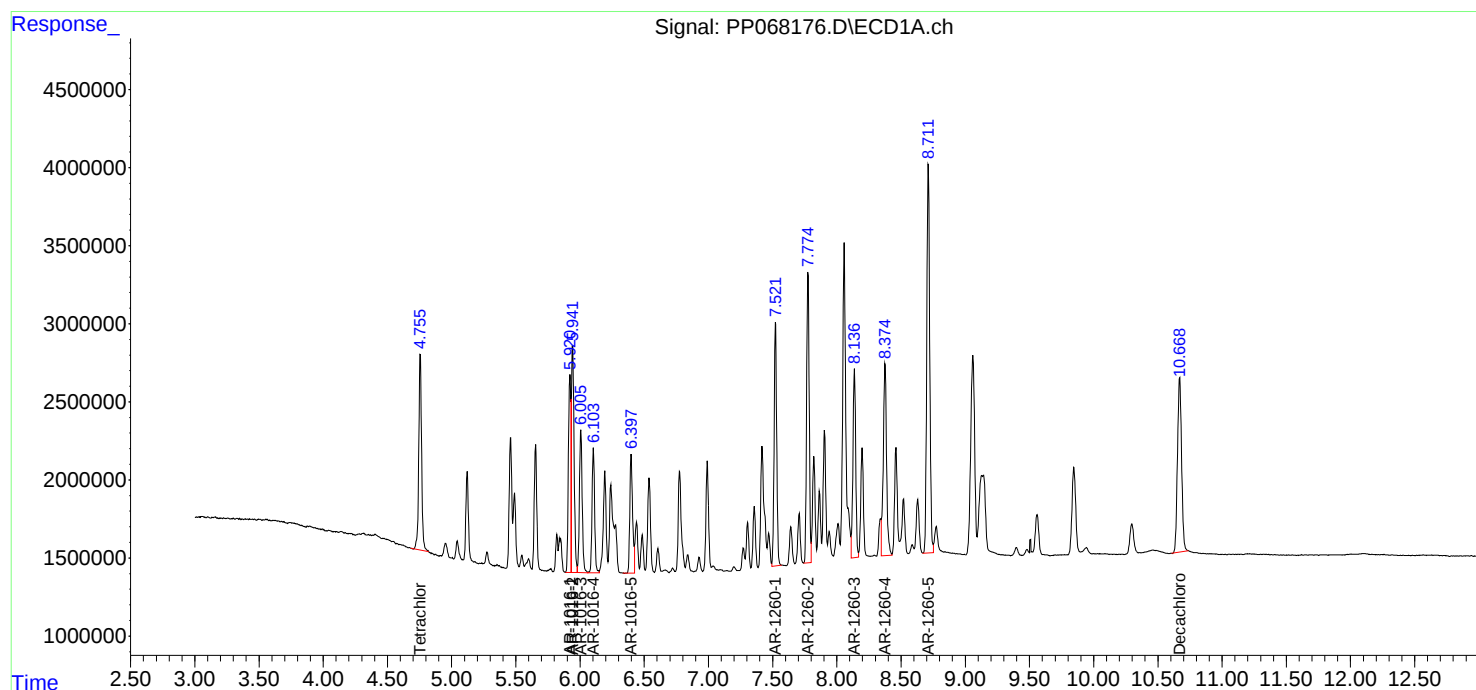
APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 21:50:11 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:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:		
Client Sample ID:	PB164342BSD		SDG No.:	P4460	
Lab Sample ID:	PB164342BSD		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068177.D	1	10/23/24 08:53	10/23/24 18:54	PB164342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.30		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
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
11096-82-5	Aroclor-1260	4.00		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.6		30 (10) - 150 (157)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		30 (10) - 150 (173)	111%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
 Data File : PP068177.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2024 18:54
 Operator : YP\AJ
 Sample : PB164342BSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

PB164342BSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 21:50:46 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...	4.756	4.050	19056672	18598107	20.588	18.407m
2) SA Decachlor...	10.670	9.211	25597897	24253796	22.234	21.627
Target Compounds						
3) L1 AR-1016-1	5.921	5.157	14585226	14388461	441.085	411.249
4) L1 AR-1016-2	5.943	5.177	21930915	19989589	449.673	414.993
5) L1 AR-1016-3	6.007	5.358	13658230	11117767	433.430	412.725
6) L1 AR-1016-4	6.105	5.397	10869480	9713763	422.220	403.310
7) L1 AR-1016-5	6.399	5.616	10946926	12148918	404.440	399.506
31) L7 AR-1260-1	7.523	6.660	22954476	23791200	424.896	417.668
32) L7 AR-1260-2	7.776	6.847	26677996	28291770	421.648	424.137
33) L7 AR-1260-3	8.138	7.004	19043367	26992363	367.286	423.734
34) L7 AR-1260-4	8.375	7.479	23018912	20898728	382.409	377.965
35) L7 AR-1260-5	8.714	7.718	40778133	46376346	378.585	379.206

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
Data File : PP068177.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 18:54
Operator : YP\AJ
Sample : PB164342BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

PB164342BSD

Manual Integrations

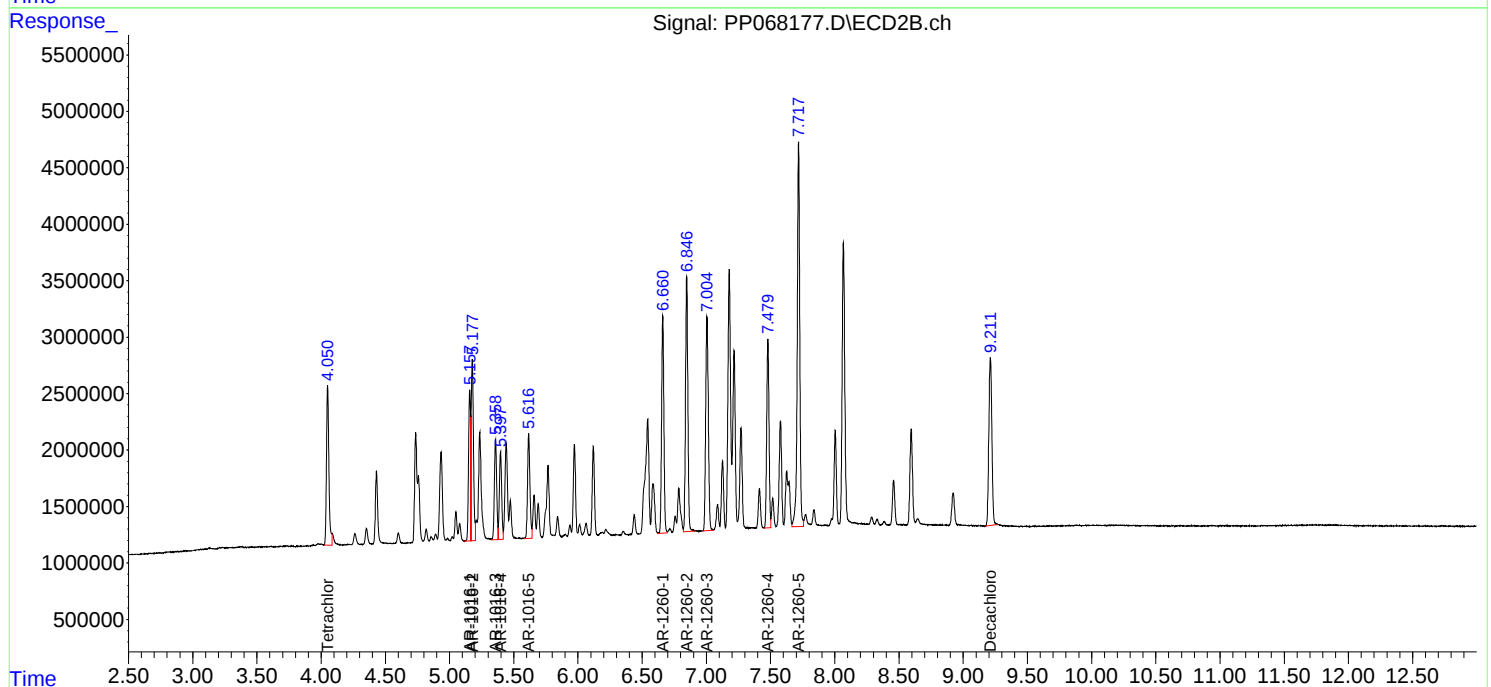
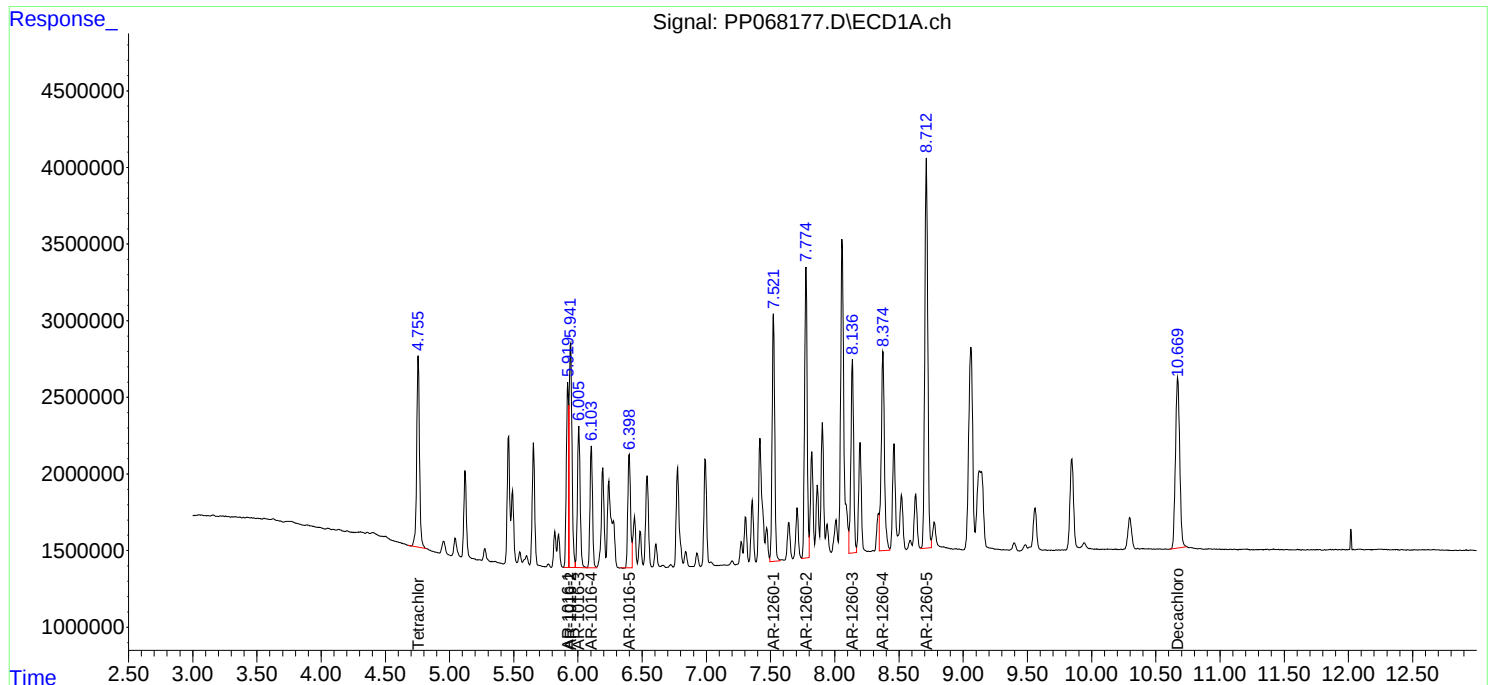
APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 21:50:46 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:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	SU-4-101824MS	SDG No.:	P4460
Lab Sample ID:	P4455-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91
Sample Wt/Vol:	30.05	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
PO107305.D	1	10/21/24 10:10	10/21/24 16:38	PB164287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	158		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	158		3.20	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.2		30 (32) - 150 (144)	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.3		30 (32) - 150 (175)	82%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO107305.D
 Data File : PO107305.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2024 16:38
 Operator : YP/AJ
 Sample : P4455-01MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

SU-4-101824MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 07:13:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 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...	4.372	3.644	146.8E6	74586625	16.111	23.174 #
2) SA Decachlor...	10.056	8.637	40013836	39137108	16.310	14.275
Target Compounds						
3) L1 AR-1016-1	5.520	4.725	128.1E6	46016720	474.843m	445.615m
4) L1 AR-1016-2	5.543	4.744	168.0E6	61219935	423.312m	434.283m
5) L1 AR-1016-3	5.605	4.920	101.3E6	35875908	403.298m	455.592m
6) L1 AR-1016-4	5.701	4.963	88774592	28316118	460.899m	428.329m
7) L1 AR-1016-5	5.996	5.175	71099888	32712522	389.261m	398.283
31) L7 AR-1260-1	7.124	6.206	113.8E6	68034580	440.074m	438.495m
32) L7 AR-1260-2	7.379	6.393	100.3E6	77845041	381.093m	442.011m
33) L7 AR-1260-3	7.741	6.547	69316218	75918777	385.636m	452.576m
34) L7 AR-1260-4	7.966	7.017	81559498	58163526	464.716m	402.013
35) L7 AR-1260-5	8.279	7.258	124.4E6	138.9E6	437.295m	421.723

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107305.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 16:38
Operator : YP/AJ
Sample : P4455-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

SU-4-101824MS

Manual Integrations

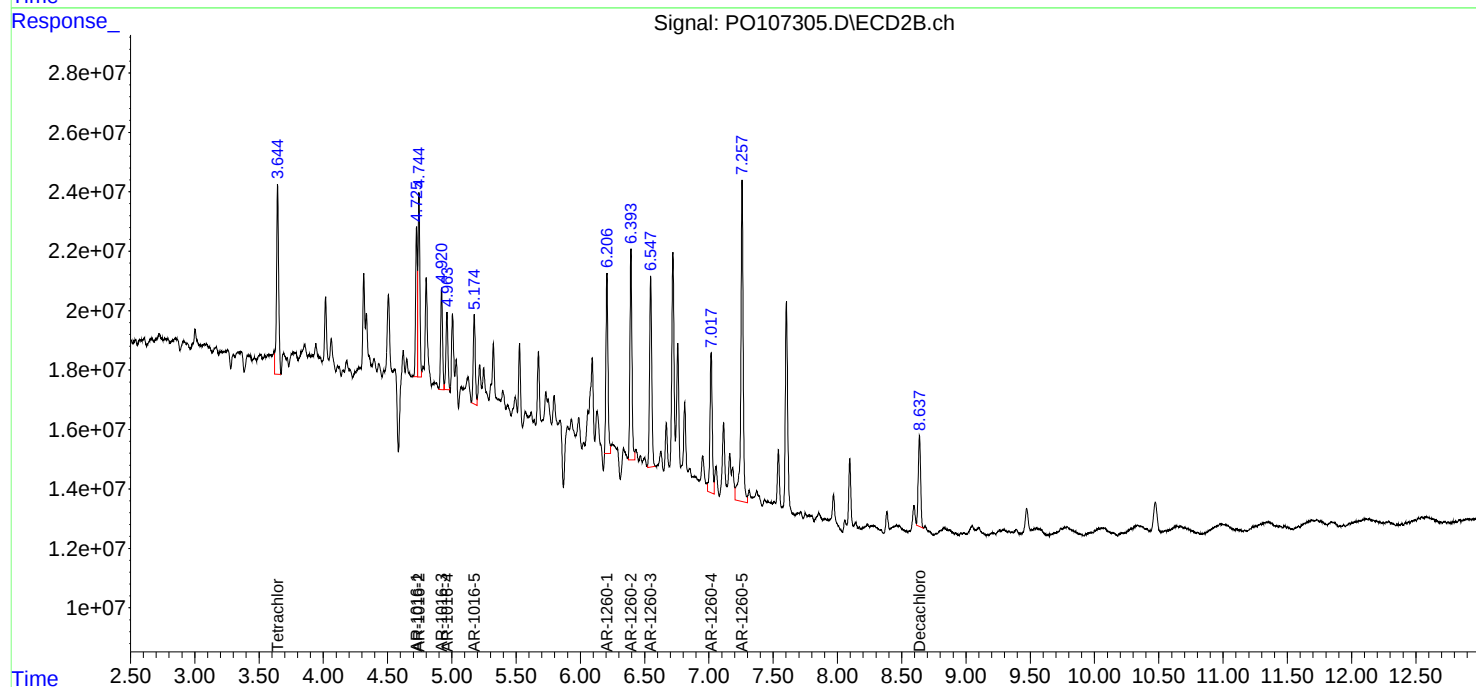
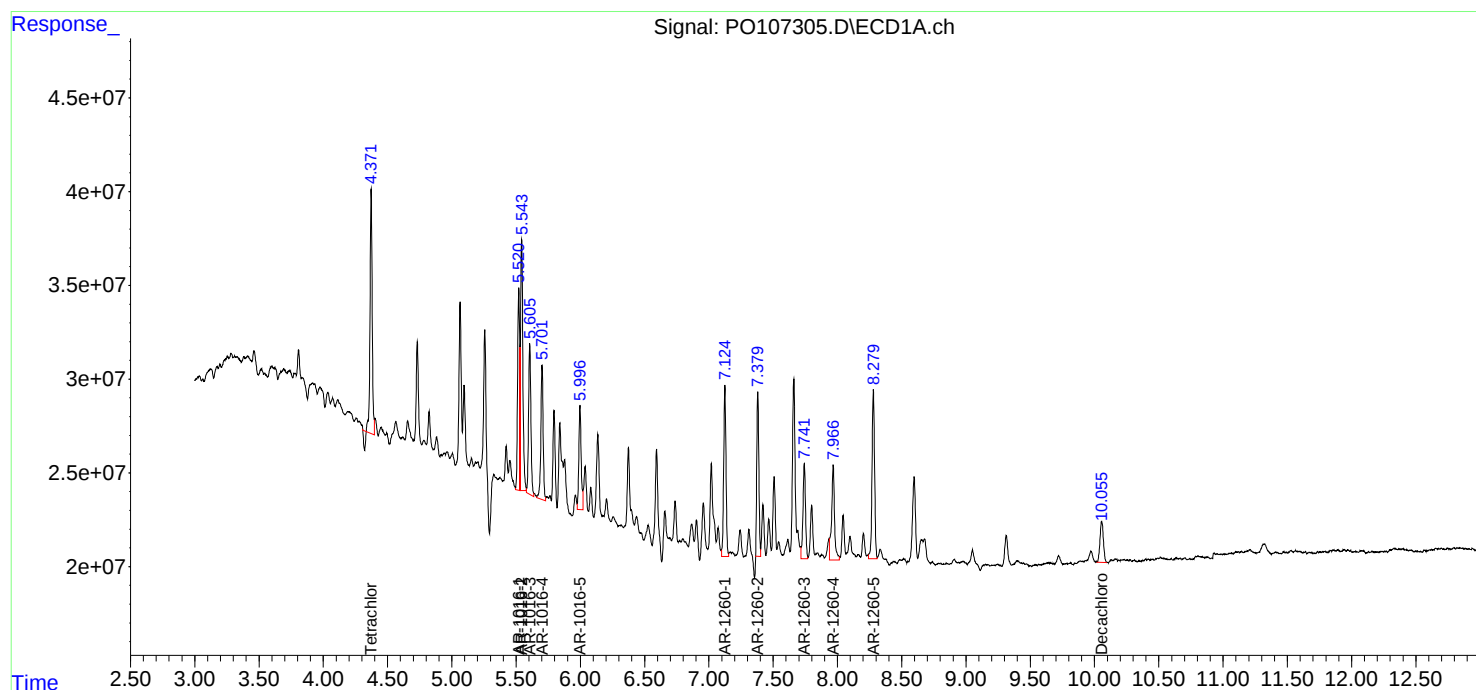
APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:13:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	SU-4-101824MSD	SDG No.:	P4460
Lab Sample ID:	P4455-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107306.D	1	10/21/24 10:10	10/21/24 16:56	PB164287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	171		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	160		3.20	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.4		30 (32) - 150 (144)	117%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.0		30 (32) - 150 (175)	75%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
 Data File : PO107306.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2024 16:56
 Operator : YP/AJ
 Sample : P4455-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 SU-4-101824MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 07:13:56 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 16 04:53:16 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...	4.371	3.644	165.7E6	75440856	18.177	23.440 #
2) SA Decachlor...	10.056	8.637	36727776	36567799	14.970	13.338
Target Compounds						
3) L1 AR-1016-1	5.519	4.725	121.4E6	47575359	450.054m	460.708m
4) L1 AR-1016-2	5.541	4.744	167.7E6	67655458	422.552m	479.936
5) L1 AR-1016-3	5.605	4.920	97557887	39852771	388.414m	506.095m#
6) L1 AR-1016-4	5.701	4.961	86539254	33538796	449.293m	507.331m
7) L1 AR-1016-5	5.995	5.174	72642099	31241172	397.704m	380.369
31) L7 AR-1260-1	7.122	6.206	115.7E6	71168879	447.531m	458.697m
32) L7 AR-1260-2	7.379	6.393	95877929	85660714	364.250m	486.389m#
33) L7 AR-1260-3	7.741	6.546	65307702	76972302	363.335m	458.856 #
34) L7 AR-1260-4	7.965	7.017	74560395	56013515	424.836m	387.153
35) L7 AR-1260-5	8.278	7.257	122.7E6	129.3E6	431.306m	392.503

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107306.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 16:56
Operator : YP/AJ
Sample : P4455-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

SU-4-101824MSD

Manual Integrations

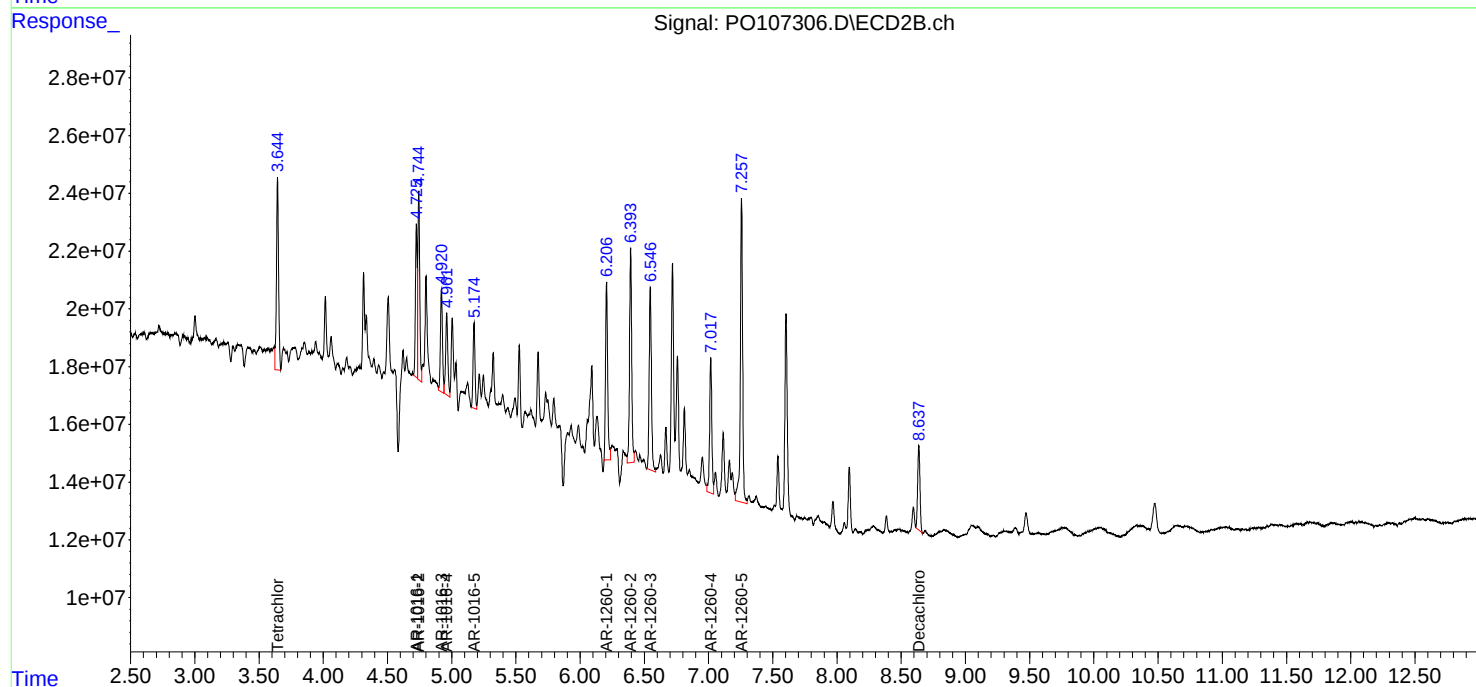
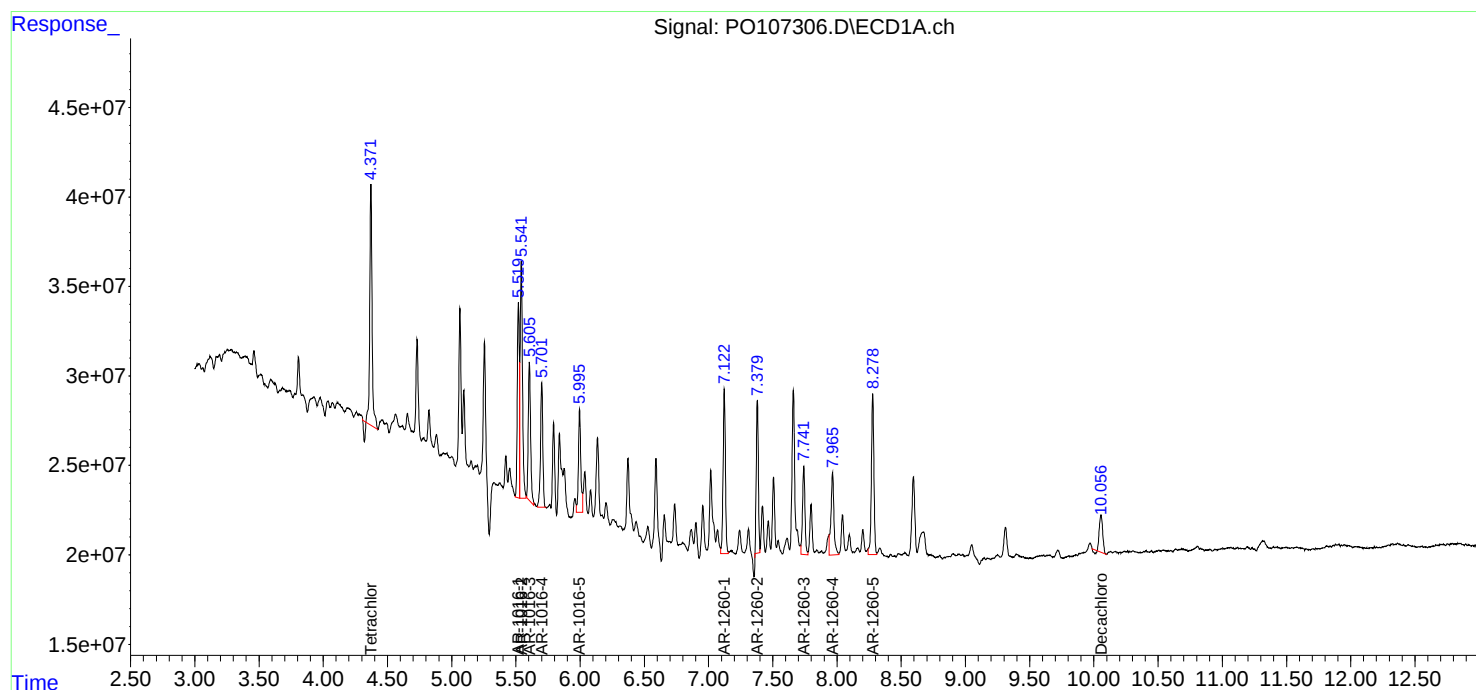
APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:13:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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:	po101524	Instrument	ECD_o
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO107188.D	AR-1260-1 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-2 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-3	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-3 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-4 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-5	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-5 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	Decachlorobiphenyl #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1268ICC050	PO107211.D	AR-1268-1	yogesh	10/16/2024 8:49:03 AM	Ankita	10/16/2024 9:57:36	Peak Integrated by Software

Manual Integration Report

Sequence:	PO102124	Instrument	ECD_o
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO107293.D	AR-1260-1 #2	yogesh	10/22/2024 3:08:03 PM	Ankita	10/22/2024 3:09:40	Peak Integrated by Software
AR1660CCC500	PO107293.D	AR-1260-2 #2	yogesh	10/22/2024 3:08:03 PM	Ankita	10/22/2024 3:09:40	Peak Integrated by Software
AR1660CCC500	PO107293.D	AR-1260-4 #2	yogesh	10/22/2024 3:08:03 PM	Ankita	10/22/2024 3:09:40	Peak Integrated by Software
AR1660CCC500	PO107293.D	AR-1260-5 #2	yogesh	10/22/2024 3:08:03 PM	Ankita	10/22/2024 3:09:40	Peak Integrated by Software
AR1248CCC500	PO107295.D	Tetrachloro-m-xylene #2	yogesh	10/22/2024 3:08:05 PM	Ankita	10/22/2024 3:10:10	Peak Integrated by Software
AR1254CCC500	PO107296.D	AR-1254-2 #2	yogesh	10/22/2024 3:08:07 PM	Ankita	10/22/2024 3:09:47	Peak Integrated by Software
AR1254CCC500	PO107296.D	AR-1254-3 #2	yogesh	10/22/2024 3:08:07 PM	Ankita	10/22/2024 3:09:47	Peak Integrated by Software
AR1254CCC500	PO107296.D	AR-1254-4 #2	yogesh	10/22/2024 3:08:07 PM	Ankita	10/22/2024 3:09:47	Peak Integrated by Software
I.BLK	PO107297.D	Decachlorobiphenyl #2	yogesh	10/22/2024 3:08:09 PM	Ankita	10/22/2024 3:09:50	Peak Integrated by Software
PB164287BS	PO107300.D	AR-1016-1	yogesh	10/22/2024 3:08:13 PM	Ankita	10/22/2024 3:10:12	Peak Integrated by Software
PB164287BS	PO107300.D	AR-1016-2	yogesh	10/22/2024 3:08:13 PM	Ankita	10/22/2024 3:10:12	Peak Integrated by Software
PB164287BS	PO107300.D	AR-1016-3	yogesh	10/22/2024 3:08:13 PM	Ankita	10/22/2024 3:10:12	Peak Integrated by Software
PB164287BS	PO107300.D	AR-1016-4	yogesh	10/22/2024 3:08:13 PM	Ankita	10/22/2024 3:10:12	Peak Integrated by Software

Manual Integration Report

Sequence:	PO102124	Instrument	ECD_o
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB164287BS	PO107300.D	AR-1260-1 #2	yogesh	10/22/2024 3:08:13 PM	Ankita	10/22/2024 3:10:12	Peak Integrated by Software
PB164287BS	PO107300.D	AR-1260-2 #2	yogesh	10/22/2024 3:08:13 PM	Ankita	10/22/2024 3:10:12	Peak Integrated by Software
PB164287BS	PO107300.D	AR-1260-3 #2	yogesh	10/22/2024 3:08:13 PM	Ankita	10/22/2024 3:10:12	Peak Integrated by Software
PB164287BS	PO107300.D	AR-1260-4 #2	yogesh	10/22/2024 3:08:13 PM	Ankita	10/22/2024 3:10:12	Peak Integrated by Software
PB164287BS	PO107300.D	AR-1260-5 #2	yogesh	10/22/2024 3:08:13 PM	Ankita	10/22/2024 3:10:12	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1016-1	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1016-1 #2	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1016-2	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1016-2 #2	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1016-3	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1016-3 #2	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1016-4	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1016-4 #2	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software

Manual Integration Report

Sequence:	PO102124	Instrument	ECD_o
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4455-01MS	PO107305.D	AR-1016-5	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1260-1	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1260-1 #2	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1260-2	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1260-2 #2	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1260-3	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1260-3 #2	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1260-4	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1260-5	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1016-1	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1016-1 #2	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1016-2	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1016-3	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software

Manual Integration Report

Sequence:	PO102124	Instrument	ECD_o
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4455-01MSD	PO107306.D	AR-1016-3 #2	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1016-4	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1016-4 #2	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1016-5	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1260-1	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1260-1 #2	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1260-2	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1260-2 #2	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1260-3	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1260-4	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1260-5	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
AR1660CCC50 0	PO107308.D	AR-1260-1 #2	yogesh	10/22/2024 3:08:27 PM	Ankita	10/22/2024 3:10:30	Peak Integrated by Software
AR1660CCC50 0	PO107308.D	AR-1260-2 #2	yogesh	10/22/2024 3:08:27 PM	Ankita	10/22/2024 3:10:30	Peak Integrated by Software

Manual Integration Report

Sequence:	PO102124	Instrument	ECD_o
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO107308.D	AR-1260-4 #2	yogesh	10/22/2024 3:08:27 PM	Ankita	10/22/2024 3:10:30	Peak Integrated by Software
AR1660CCC500	PO107308.D	AR-1260-5 #2	yogesh	10/22/2024 3:08:27 PM	Ankita	10/22/2024 3:10:30	Peak Integrated by Software
AR1242CCC500	PO107309.D	AR-1242-5	yogesh	10/22/2024 3:08:28 PM	Ankita	10/22/2024 3:10:33	Peak Integrated by Software
P4460-02	PO107315.D	Tetrachloro-m-xylene	yogesh	10/22/2024 3:08:33 PM	Ankita	10/22/2024 3:10:50	Peak Integrated by Software
P4460-02	PO107315.D	Tetrachloro-m-xylene #2	yogesh	10/22/2024 3:08:33 PM	Ankita	10/22/2024 3:10:50	Peak Integrated by Software
AR1660CCC500	PO107323.D	AR-1016-5 #2	yogesh	10/22/2024 3:08:37 PM	Ankita	10/22/2024 3:11:04	Peak Integrated by Software
AR1660CCC500	PO107323.D	AR-1260-1	yogesh	10/22/2024 3:08:37 PM	Ankita	10/22/2024 3:11:04	Peak Integrated by Software
AR1660CCC500	PO107323.D	AR-1260-1 #2	yogesh	10/22/2024 3:08:37 PM	Ankita	10/22/2024 3:11:04	Peak Integrated by Software
AR1660CCC500	PO107323.D	AR-1260-2	yogesh	10/22/2024 3:08:37 PM	Ankita	10/22/2024 3:11:04	Peak Integrated by Software
AR1660CCC500	PO107323.D	AR-1260-2 #2	yogesh	10/22/2024 3:08:37 PM	Ankita	10/22/2024 3:11:04	Peak Integrated by Software
AR1660CCC500	PO107323.D	AR-1260-3	yogesh	10/22/2024 3:08:37 PM	Ankita	10/22/2024 3:11:04	Peak Integrated by Software
AR1660CCC500	PO107323.D	AR-1260-4	yogesh	10/22/2024 3:08:37 PM	Ankita	10/22/2024 3:11:04	Peak Integrated by Software
AR1660CCC500	PO107323.D	AR-1260-4 #2	yogesh	10/22/2024 3:08:37 PM	Ankita	10/22/2024 3:11:04	Peak Integrated by Software

Manual Integration Report

Sequence:	PO102124	Instrument	ECD_o
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO107323.D	AR-1260-5 #2	yogesh	10/22/2024 3:08:37 PM	Ankita	10/22/2024 3:11:04	Peak Integrated by Software
AR1248CCC500	PO107325.D	AR-1248-5 #2	yogesh	10/22/2024 3:08:38 PM	Ankita	10/22/2024 3:11:06	Peak Integrated by Software
AR1254CCC500	PO107326.D	AR-1254-2 #2	yogesh	10/22/2024 3:08:41 PM	Ankita	10/22/2024 3:11:08	Peak Integrated by Software
AR1254CCC500	PO107326.D	AR-1254-3 #2	yogesh	10/22/2024 3:08:41 PM	Ankita	10/22/2024 3:11:08	Peak Integrated by Software
AR1254CCC500	PO107326.D	AR-1254-4 #2	yogesh	10/22/2024 3:08:41 PM	Ankita	10/22/2024 3:11:08	Peak Integrated by Software
AR1660CCC500	PO107329.D	AR-1016-5 #2	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software
AR1660CCC500	PO107329.D	AR-1260-1	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software
AR1660CCC500	PO107329.D	AR-1260-1 #2	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software
AR1660CCC500	PO107329.D	AR-1260-2	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software
AR1660CCC500	PO107329.D	AR-1260-2 #2	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software
AR1660CCC500	PO107329.D	AR-1260-3	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software
AR1660CCC500	PO107329.D	AR-1260-3 #2	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software
AR1660CCC500	PO107329.D	AR-1260-4	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software

Manual Integration Report

Sequence:	PO102124	Instrument	ECD_o
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO107329.D	AR-1260-4 #2	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software
AR1660CCC500	PO107329.D	AR-1260-5 #2	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software
AR1254CCC500	PO107332.D	AR-1254-3 #2	yogesh	10/22/2024 3:08:46 PM	Ankita	10/22/2024 3:11:13	Peak Integrated by Software
AR1254CCC500	PO107332.D	AR-1254-4	yogesh	10/22/2024 3:08:46 PM	Ankita	10/22/2024 3:11:13	Peak Integrated by Software
AR1254CCC500	PO107332.D	AR-1254-4 #2	yogesh	10/22/2024 3:08:46 PM	Ankita	10/22/2024 3:11:13	Peak Integrated by Software

Manual Integration Report

Sequence:

pp100824

Instrument

ECD_p

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
-----------	----------	------------	-------

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:

pp102324

Instrument

ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP068154.D	AR-1254-1	yogesh	10/24/2024 8:28:50 AM	Ankita	10/24/2024 9:29:06	Peak Integrated by Software
AR1254CCC500	PP068154.D	AR-1254-4 #2	yogesh	10/24/2024 8:28:50 AM	Ankita	10/24/2024 9:29:06	Peak Integrated by Software
AR1254CCC500	PP068154.D	AR-1254-5	yogesh	10/24/2024 8:28:50 AM	Ankita	10/24/2024 9:29:06	Peak Integrated by Software
AR1254CCC500	PP068169.D	AR-1254-1	yogesh	10/24/2024 8:28:58 AM	Ankita	10/24/2024 9:29:13	Peak Integrated by Software
AR1254CCC500	PP068169.D	AR-1254-5	yogesh	10/24/2024 8:28:58 AM	Ankita	10/24/2024 9:29:13	Peak Integrated by Software
PB164342BS	PP068176.D	Tetrachloro-m-xylene #2	yogesh	10/24/2024 8:29:04 AM	Ankita	10/24/2024 9:29:19	Peak Integrated by Software
PB164342BSD	PP068177.D	Tetrachloro-m-xylene #2	yogesh	10/24/2024 8:29:05 AM	Ankita	10/24/2024 9:29:21	Peak Integrated by Software
AR1254CCC500	PP068183.D	AR-1254-1	yogesh	10/24/2024 8:29:10 AM	Ankita	10/24/2024 9:29:24	Peak Integrated by Software
AR1254CCC500	PP068183.D	AR-1254-5	yogesh	10/24/2024 8:29:10 AM	Ankita	10/24/2024 9:29:24	Peak Integrated by Software

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524
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	PO107180.D	15 Oct 2024 13:05	YP/AJ	Ok
2	AR1660CCC500	PO107181.D	15 Oct 2024 13:23	YP/AJ	Not Ok
3	HEXANE	PO107182.D	15 Oct 2024 17:50	YP/AJ	Ok
4	I.BLK	PO107183.D	15 Oct 2024 18:08	YP/AJ	Ok
5	AR1660ICC1000	PO107184.D	15 Oct 2024 18:27	YP/AJ	Ok
6	AR1660ICC750	PO107185.D	15 Oct 2024 18:45	YP/AJ	Ok
7	AR1660ICC500	PO107186.D	15 Oct 2024 19:03	YP/AJ	Ok
8	AR1660ICC250	PO107187.D	15 Oct 2024 19:21	YP/AJ	Ok
9	AR1660ICC050	PO107188.D	15 Oct 2024 19:39	YP/AJ	Ok,M
10	AR1221ICC500	PO107189.D	15 Oct 2024 19:57	YP/AJ	Ok
11	AR1232ICC500	PO107190.D	15 Oct 2024 20:15	YP/AJ	Ok
12	AR1242ICC1000	PO107191.D	15 Oct 2024 20:34	YP/AJ	Ok
13	AR1242ICC750	PO107192.D	15 Oct 2024 20:52	YP/AJ	Ok
14	AR1242ICC500	PO107193.D	15 Oct 2024 21:10	YP/AJ	Ok
15	AR1242ICC250	PO107194.D	15 Oct 2024 21:28	YP/AJ	Ok
16	AR1242ICC050	PO107195.D	15 Oct 2024 21:46	YP/AJ	Ok
17	AR1248ICC1000	PO107196.D	15 Oct 2024 22:04	YP/AJ	Ok
18	AR1248ICC750	PO107197.D	15 Oct 2024 22:22	YP/AJ	Ok
19	AR1248ICC500	PO107198.D	15 Oct 2024 22:41	YP/AJ	Ok
20	AR1248ICC250	PO107199.D	15 Oct 2024 22:59	YP/AJ	Ok
21	AR1248ICC050	PO107200.D	15 Oct 2024 23:17	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524
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	AR1254ICC1000	PO107201.D	15 Oct 2024 23:35	YP/AJ	Ok
23	AR1254ICC750	PO107202.D	15 Oct 2024 23:53	YP/AJ	Ok
24	AR1254ICC500	PO107203.D	16 Oct 2024 00:11	YP/AJ	Ok
25	AR1254ICC250	PO107204.D	16 Oct 2024 00:29	YP/AJ	Ok
26	AR1254ICC050	PO107205.D	16 Oct 2024 00:47	YP/AJ	Ok
27	AR1262ICC500	PO107206.D	16 Oct 2024 01:05	YP/AJ	Ok
28	AR1268ICC1000	PO107207.D	16 Oct 2024 01:23	YP/AJ	Ok
29	AR1268ICC750	PO107208.D	16 Oct 2024 01:41	YP/AJ	Ok
30	AR1268ICC500	PO107209.D	16 Oct 2024 01:59	YP/AJ	Ok
31	AR1268ICC250	PO107210.D	16 Oct 2024 02:18	YP/AJ	Ok
32	AR1268ICC050	PO107211.D	16 Oct 2024 02:36	YP/AJ	Ok,M
33	PO101524ICV500	PO107212.D	16 Oct 2024 02:54	YP/AJ	Ok
34	AR1242ICV500	PO107213.D	16 Oct 2024 03:12	YP/AJ	Ok
35	AR1248ICV500	PO107214.D	16 Oct 2024 03:30	YP/AJ	Ok
36	AR1254ICV500	PO107215.D	16 Oct 2024 03:48	YP/AJ	Ok
37	AR1268ICV500	PO107216.D	16 Oct 2024 04:06	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO102124

Review By	yogesh	Review On	10/22/2024 3:09:05 PM
Supervise By	Ankita	Supervise On	10/22/2024 3:11:43 PM
SubDirectory	PO102124	HP Acquire Method	HP Processing Method PP101524
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	PO107292.D	21 Oct 2024 10:32	YP/AJ	Ok
2	AR1660CCC500	PO107293.D	21 Oct 2024 11:58	YP/AJ	Ok,M
3	AR1242CCC500	PO107294.D	21 Oct 2024 12:43	YP/AJ	Ok
4	AR1248CCC500	PO107295.D	21 Oct 2024 13:01	YP/AJ	Ok,M
5	AR1254CCC500	PO107296.D	21 Oct 2024 13:55	YP/AJ	Ok,M
6	I.BLK	PO107297.D	21 Oct 2024 14:13	YP/AJ	Ok,M
7	PP23906	PO107298.D	21 Oct 2024 14:31	YP/AJ	Ok,M
8	PB164287BL	PO107299.D	21 Oct 2024 14:49	YP/AJ	Ok
9	PB164287BS	PO107300.D	21 Oct 2024 15:07	YP/AJ	Ok,M
10	P4443-01	PO107301.D	21 Oct 2024 15:26	YP/AJ	Ok,M
11	P4443-06	PO107302.D	21 Oct 2024 15:44	YP/AJ	Ok,M
12	P4452-01	PO107303.D	21 Oct 2024 16:02	YP/AJ	Ok,M
13	P4455-01	PO107304.D	21 Oct 2024 16:20	YP/AJ	Ok,M
14	P4455-01MS	PO107305.D	21 Oct 2024 16:38	YP/AJ	Ok,M
15	P4455-01MSD	PO107306.D	21 Oct 2024 16:56	YP/AJ	Ok,M
16	P4456-01	PO107307.D	21 Oct 2024 17:14	YP/AJ	Ok,M
17	AR1660CCC500	PO107308.D	21 Oct 2024 18:15	YP/AJ	Ok,M
18	AR1242CCC500	PO107309.D	21 Oct 2024 18:33	YP/AJ	Ok,M
19	AR1248CCC500	PO107310.D	21 Oct 2024 18:51	YP/AJ	Ok
20	AR1254CCC500	PO107311.D	21 Oct 2024 19:09	YP/AJ	Ok
21	I.BLK	PO107312.D	21 Oct 2024 19:28	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO102124

Review By	yogesh	Review On	10/22/2024 3:09:05 PM
Supervise By	Ankita	Supervise On	10/22/2024 3:11:43 PM
SubDirectory	PO102124	HP Acquire Method	HP Processing Method PP101524
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			

22	P4454-03	PO107313.D	21 Oct 2024 19:46	YP/AJ	Ok,M
23	P4458-01	PO107314.D	21 Oct 2024 20:04	YP/AJ	Ok,M
24	P4460-02	PO107315.D	21 Oct 2024 20:22	YP/AJ	Ok,M
25	P4460-03	PO107316.D	21 Oct 2024 20:40	YP/AJ	Ok
26	PB164303BL	PO107317.D	21 Oct 2024 20:58	YP/AJ	Ok
27	PB164303BS	PO107318.D	21 Oct 2024 21:16	YP/AJ	Ok,M
28	P4459-01	PO107319.D	21 Oct 2024 21:35	YP/AJ	Ok
29	P4469-01	PO107320.D	21 Oct 2024 21:53	YP/AJ	Ok
30	P4469-02	PO107321.D	21 Oct 2024 22:11	YP/AJ	Ok
31	P4469-03	PO107322.D	21 Oct 2024 22:29	YP/AJ	Ok
32	AR1660CCC500	PO107323.D	21 Oct 2024 23:30	YP/AJ	Ok,M
33	AR1242CCC500	PO107324.D	21 Oct 2024 23:48	YP/AJ	Ok
34	AR1248CCC500	PO107325.D	22 Oct 2024 00:06	YP/AJ	Ok,M
35	AR1254CCC500	PO107326.D	22 Oct 2024 00:24	YP/AJ	Ok,M
36	I.BLK	PO107327.D	22 Oct 2024 00:42	YP/AJ	Ok
37	P4469-04	PO107328.D	22 Oct 2024 01:00	YP/AJ	Ok,M
38	AR1660CCC500	PO107329.D	22 Oct 2024 02:01	YP/AJ	Ok,M
39	AR1242CCC500	PO107330.D	22 Oct 2024 02:19	YP/AJ	Ok
40	AR1248CCC500	PO107331.D	22 Oct 2024 02:37	YP/AJ	Ok
41	AR1254CCC500	PO107332.D	22 Oct 2024 02:55	YP/AJ	Ok,M
42	I.BLK	PO107333.D	22 Oct 2024 03:13	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	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 # PP102324

Review By	yogesh	Review On	10/24/2024 8:29:24 AM
Supervise By	Ankita	Supervise On	10/24/2024 9:24:26 AM
SubDirectory	PP102324	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		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP068150.D	23 Oct 2024 09:14	YP\AJ	Ok
2	AR1660CCC500	PP068151.D	23 Oct 2024 09:30	YP\AJ	Ok
3	AR1242CCC500	PP068152.D	23 Oct 2024 09:46	YP\AJ	Ok
4	AR1248CCC500	PP068153.D	23 Oct 2024 10:02	YP\AJ	Ok
5	AR1254CCC500	PP068154.D	23 Oct 2024 10:18	YP\AJ	Ok,M
6	I.BLK	PP068155.D	23 Oct 2024 10:34	YP\AJ	Ok
7	P4471-02	PP068156.D	23 Oct 2024 12:11	YP\AJ	Ok
8	PB164343BL	PP068157.D	23 Oct 2024 13:21	YP\AJ	Ok
9	PB164343BS	PP068158.D	23 Oct 2024 13:37	YP\AJ	Ok,M
10	P4485-01	PP068159.D	23 Oct 2024 13:54	YP\AJ	Ok
11	P4486-01	PP068160.D	23 Oct 2024 14:10	YP\AJ	Ok
12	P4486-01MS	PP068161.D	23 Oct 2024 14:26	YP\AJ	Ok,M
13	P4486-01MSD	PP068162.D	23 Oct 2024 14:42	YP\AJ	Ok,M
14	P4487-01	PP068163.D	23 Oct 2024 14:58	YP\AJ	Ok
15	P4487-05	PP068164.D	23 Oct 2024 15:14	YP\AJ	Ok
16	P4488-02	PP068165.D	23 Oct 2024 15:30	YP\AJ	Ok,M
17	AR1660CCC500	PP068166.D	23 Oct 2024 15:57	YP\AJ	Ok
18	AR1242CCC500	PP068167.D	23 Oct 2024 16:13	YP\AJ	Ok
19	AR1248CCC500	PP068168.D	23 Oct 2024 16:29	YP\AJ	Ok
20	AR1254CCC500	PP068169.D	23 Oct 2024 16:45	YP\AJ	Ok,M
21	I.BLK	PP068170.D	23 Oct 2024 17:01	YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP102324

Review By	yogesh	Review On	10/24/2024 8:29:24 AM
Supervise By	Ankita	Supervise On	10/24/2024 9:24:26 AM
SubDirectory	PP102324	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		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4488-01	PP068171.D	23 Oct 2024 17:17	YP\AJ	Ok,M
23	P4488-09	PP068172.D	23 Oct 2024 17:33	YP\AJ	Ok
24	P4488-10	PP068173.D	23 Oct 2024 17:50	YP\AJ	Ok
25	P4489-01	PP068174.D	23 Oct 2024 18:06	YP\AJ	Ok,M
26	PB164342BL	PP068175.D	23 Oct 2024 18:22	YP\AJ	Ok
27	PB164342BS	PP068176.D	23 Oct 2024 18:38	YP\AJ	Ok,M
28	PB164342BSD	PP068177.D	23 Oct 2024 18:54	YP\AJ	Ok,M
29	P4485-03	PP068178.D	23 Oct 2024 19:10	YP\AJ	ReRun
30	P4460-06	PP068179.D	23 Oct 2024 19:26	YP\AJ	Ok
31	AR1660CCC500	PP068180.D	23 Oct 2024 20:04	YP\AJ	Ok
32	AR1242CCC500	PP068181.D	23 Oct 2024 20:20	YP\AJ	Ok
33	AR1248CCC500	PP068182.D	23 Oct 2024 20:36	YP\AJ	Ok
34	AR1254CCC500	PP068183.D	23 Oct 2024 20:52	YP\AJ	Ok,M
35	I.BLK	PP068184.D	23 Oct 2024 21:08	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524

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	PO107180.D	15 Oct 2024 13:05		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO107181.D	15 Oct 2024 13:23	need ICAL	YP/AJ	Not Ok
3	HEXANE	HEXANE	PO107182.D	15 Oct 2024 17:50		YP/AJ	Ok
4	I.BLK	I.BLK	PO107183.D	15 Oct 2024 18:08		YP/AJ	Ok
5	AR1660ICC1000	AR1660ICC1000	PO107184.D	15 Oct 2024 18:27		YP/AJ	Ok
6	AR1660ICC750	AR1660ICC750	PO107185.D	15 Oct 2024 18:45		YP/AJ	Ok
7	AR1660ICC500	AR1660ICC500	PO107186.D	15 Oct 2024 19:03		YP/AJ	Ok
8	AR1660ICC250	AR1660ICC250	PO107187.D	15 Oct 2024 19:21		YP/AJ	Ok
9	AR1660ICC050	AR1660ICC050	PO107188.D	15 Oct 2024 19:39		YP/AJ	Ok,M
10	AR1221ICC500	AR1221ICC500	PO107189.D	15 Oct 2024 19:57		YP/AJ	Ok
11	AR1232ICC500	AR1232ICC500	PO107190.D	15 Oct 2024 20:15		YP/AJ	Ok
12	AR1242ICC1000	AR1242ICC1000	PO107191.D	15 Oct 2024 20:34		YP/AJ	Ok
13	AR1242ICC750	AR1242ICC750	PO107192.D	15 Oct 2024 20:52		YP/AJ	Ok
14	AR1242ICC500	AR1242ICC500	PO107193.D	15 Oct 2024 21:10		YP/AJ	Ok
15	AR1242ICC250	AR1242ICC250	PO107194.D	15 Oct 2024 21:28		YP/AJ	Ok
16	AR1242ICC050	AR1242ICC050	PO107195.D	15 Oct 2024 21:46		YP/AJ	Ok
17	AR1248ICC1000	AR1248ICC1000	PO107196.D	15 Oct 2024 22:04		YP/AJ	Ok
18	AR1248ICC750	AR1248ICC750	PO107197.D	15 Oct 2024 22:22		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524
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	AR1248ICC500	AR1248ICC500	PO107198.D	15 Oct 2024 22:41		YP/AJ	Ok
20	AR1248ICC250	AR1248ICC250	PO107199.D	15 Oct 2024 22:59		YP/AJ	Ok
21	AR1248ICC050	AR1248ICC050	PO107200.D	15 Oct 2024 23:17		YP/AJ	Ok
22	AR1254ICC1000	AR1254ICC1000	PO107201.D	15 Oct 2024 23:35		YP/AJ	Ok
23	AR1254ICC750	AR1254ICC750	PO107202.D	15 Oct 2024 23:53		YP/AJ	Ok
24	AR1254ICC500	AR1254ICC500	PO107203.D	16 Oct 2024 00:11		YP/AJ	Ok
25	AR1254ICC250	AR1254ICC250	PO107204.D	16 Oct 2024 00:29		YP/AJ	Ok
26	AR1254ICC050	AR1254ICC050	PO107205.D	16 Oct 2024 00:47		YP/AJ	Ok
27	AR1262ICC500	AR1262ICC500	PO107206.D	16 Oct 2024 01:05		YP/AJ	Ok
28	AR1268ICC1000	AR1268ICC1000	PO107207.D	16 Oct 2024 01:23		YP/AJ	Ok
29	AR1268ICC750	AR1268ICC750	PO107208.D	16 Oct 2024 01:41		YP/AJ	Ok
30	AR1268ICC500	AR1268ICC500	PO107209.D	16 Oct 2024 01:59		YP/AJ	Ok
31	AR1268ICC250	AR1268ICC250	PO107210.D	16 Oct 2024 02:18		YP/AJ	Ok
32	AR1268ICC050	AR1268ICC050	PO107211.D	16 Oct 2024 02:36		YP/AJ	Ok,M
33	PO101524ICV500	ICVPO101524	PO107212.D	16 Oct 2024 02:54		YP/AJ	Ok
34	AR1242ICV500	ICVPO101524AR1242	PO107213.D	16 Oct 2024 03:12		YP/AJ	Ok
35	AR1248ICV500	ICVPO101524AR1248	PO107214.D	16 Oct 2024 03:30		YP/AJ	Ok
36	AR1254ICV500	ICVPO101524AR1254	PO107215.D	16 Oct 2024 03:48		YP/AJ	Ok
37	AR1268ICV500	ICVPO101524AR1268	PO107216.D	16 Oct 2024 04:06		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524
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			

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO102124

Review By	yogesh	Review On	10/22/2024 3:09:05 PM
Supervise By	Ankita	Supervise On	10/22/2024 3:11:43 PM
SubDirectory	PO102124	HP Acquire Method	HP Processing Method PP101524

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	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO107292.D	21 Oct 2024 10:32		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO107293.D	21 Oct 2024 11:58		YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO107294.D	21 Oct 2024 12:43		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO107295.D	21 Oct 2024 13:01		YP/AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PO107296.D	21 Oct 2024 13:55		YP/AJ	Ok,M
6	I.BLK	I.BLK	PO107297.D	21 Oct 2024 14:13		YP/AJ	Ok,M
7	PP23906	PP23906	PO107298.D	21 Oct 2024 14:31		YP/AJ	Ok,M
8	PB164287BL	PB164287BL	PO107299.D	21 Oct 2024 14:49		YP/AJ	Ok
9	PB164287BS	PB164287BS	PO107300.D	21 Oct 2024 15:07		YP/AJ	Ok,M
10	P4443-01	OG-315-HR-502-COMF	PO107301.D	21 Oct 2024 15:26		YP/AJ	Ok,M
11	P4443-06	OG-315-HR-502-COMF	PO107302.D	21 Oct 2024 15:44		YP/AJ	Ok,M
12	P4452-01	ETGI-285	PO107303.D	21 Oct 2024 16:02		YP/AJ	Ok,M
13	P4455-01	SU-4-101824	PO107304.D	21 Oct 2024 16:20		YP/AJ	Ok,M
14	P4455-01MS	SU-4-101824MS	PO107305.D	21 Oct 2024 16:38		YP/AJ	Ok,M
15	P4455-01MSD	SU-4-101824MSD	PO107306.D	21 Oct 2024 16:56		YP/AJ	Ok,M
16	P4456-01	PAD-10182024	PO107307.D	21 Oct 2024 17:14		YP/AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PO107308.D	21 Oct 2024 18:15		YP/AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PO107309.D	21 Oct 2024 18:33		YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO102124

Review By	yogesh	Review On	10/22/2024 3:09:05 PM
Supervise By	Ankita	Supervise On	10/22/2024 3:11:43 PM
SubDirectory	PO102124	HP Acquire Method	HP Processing Method PP101524
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	PO107310.D	21 Oct 2024 18:51		YP/AJ	Ok
20	AR1254CCC500	AR1254CCC500	PO107311.D	21 Oct 2024 19:09		YP/AJ	Ok
21	I.BLK	I.BLK	PO107312.D	21 Oct 2024 19:28	DCB high in 1st column	YP/AJ	Ok
22	P4454-03	34542-43	PO107313.D	21 Oct 2024 19:46		YP/AJ	Ok,M
23	P4458-01	280517	PO107314.D	21 Oct 2024 20:04		YP/AJ	Ok,M
24	P4460-02	WB-303-TOP	PO107315.D	21 Oct 2024 20:22		YP/AJ	Ok,M
25	P4460-03	WB-303-BOT	PO107316.D	21 Oct 2024 20:40		YP/AJ	Ok
26	PB164303BL	PB164303BL	PO107317.D	21 Oct 2024 20:58		YP/AJ	Ok
27	PB164303BS	PB164303BS	PO107318.D	21 Oct 2024 21:16		YP/AJ	Ok,M
28	P4459-01	60379	PO107319.D	21 Oct 2024 21:35	AR1242 Hit	YP/AJ	Ok
29	P4469-01	16-PIPE	PO107320.D	21 Oct 2024 21:53		YP/AJ	Ok
30	P4469-02	21-PIPE	PO107321.D	21 Oct 2024 22:11		YP/AJ	Ok
31	P4469-03	32-PIPE	PO107322.D	21 Oct 2024 22:29		YP/AJ	Ok
32	AR1660CCC500	AR1660CCC500	PO107323.D	21 Oct 2024 23:30		YP/AJ	Ok,M
33	AR1242CCC500	AR1242CCC500	PO107324.D	21 Oct 2024 23:48		YP/AJ	Ok
34	AR1248CCC500	AR1248CCC500	PO107325.D	22 Oct 2024 00:06		YP/AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PO107326.D	22 Oct 2024 00:24		YP/AJ	Ok,M
36	I.BLK	I.BLK	PO107327.D	22 Oct 2024 00:42		YP/AJ	Ok
37	P4469-04	34-PIPE	PO107328.D	22 Oct 2024 01:00		YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO102124

Review By	yogesh	Review On	10/22/2024 3:09:05 PM
Supervise By	Ankita	Supervise On	10/22/2024 3:11:43 PM
SubDirectory	PO102124	HP Acquire Method	HP Processing Method PP101524
STD. NAME	STD REF.#		
Tune/Reschk	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		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
LCS Standard	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		

38	AR1660CCC500	AR1660CCC500	PO107329.D	22 Oct 2024 02:01		YP/AJ	Ok,M
39	AR1242CCC500	AR1242CCC500	PO107330.D	22 Oct 2024 02:19		YP/AJ	Ok
40	AR1248CCC500	AR1248CCC500	PO107331.D	22 Oct 2024 02:37		YP/AJ	Ok
41	AR1254CCC500	AR1254CCC500	PO107332.D	22 Oct 2024 02:55		YP/AJ	Ok,M
42	I.BLK	I.BLK	PO107333.D	22 Oct 2024 03:13		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		YPIAJ	Ok
2	I.BLK	I.BLK	PP067586.D	08 Oct 2024 16:14		YPIAJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP067587.D	08 Oct 2024 16:30		YPIAJ	Ok
4	AR1660ICC750	AR1660ICC750	PP067588.D	08 Oct 2024 16:46		YPIAJ	Ok
5	AR1660ICC500	AR1660ICC500	PP067589.D	08 Oct 2024 17:02		YPIAJ	Ok
6	AR1660ICC250	AR1660ICC250	PP067590.D	08 Oct 2024 17:19		YPIAJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PP067591.D	08 Oct 2024 17:35		YPIAJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP067592.D	08 Oct 2024 17:51		YPIAJ	Ok
9	AR1232ICC500	AR1232ICC500	PP067593.D	08 Oct 2024 18:07		YPIAJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP067594.D	08 Oct 2024 18:23		YPIAJ	Ok
11	AR1242ICC750	AR1242ICC750	PP067595.D	08 Oct 2024 18:39		YPIAJ	Ok
12	AR1242ICC500	AR1242ICC500	PP067596.D	08 Oct 2024 18:55		YPIAJ	Ok,M
13	AR1242ICC250	AR1242ICC250	PP067597.D	08 Oct 2024 19:12		YPIAJ	Ok
14	AR1242ICC050	AR1242ICC050	PP067598.D	08 Oct 2024 19:28		YPIAJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP067599.D	08 Oct 2024 19:44		YPIAJ	Ok
16	AR1248ICC750	AR1248ICC750	PP067600.D	08 Oct 2024 20:00		YPIAJ	Ok
17	AR1248ICC500	AR1248ICC500	PP067601.D	08 Oct 2024 20:16		YPIAJ	Ok
18	AR1248ICC250	AR1248ICC250	PP067602.D	08 Oct 2024 20:32		YPIAJ	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	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 PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
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	ICVPP100824	PP067616.D	09 Oct 2024 00:18		YPIAJ	Ok,M
33	AR1248ICV500	ICVPP100824	PP067617.D	09 Oct 2024 00:34		YPIAJ	Ok
34	AR1254ICV500	ICVPP100824	PP067618.D	09 Oct 2024 00:51		YPIAJ	Ok,M
35	AR1268ICV500	ICVPP100824	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 # PP102324

Review By	yogesh	Review On	10/24/2024 8:29:24 AM
Supervise By	Ankita	Supervise On	10/24/2024 9:24:26 AM
SubDirectory	PP102324	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,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	PP068150.D	23 Oct 2024 09:14		YPIAJ	Ok
2	AR1660CCC500	AR1660CCC500	PP068151.D	23 Oct 2024 09:30		YPIAJ	Ok
3	AR1242CCC500	AR1242CCC500	PP068152.D	23 Oct 2024 09:46		YPIAJ	Ok
4	AR1248CCC500	AR1248CCC500	PP068153.D	23 Oct 2024 10:02		YPIAJ	Ok
5	AR1254CCC500	AR1254CCC500	PP068154.D	23 Oct 2024 10:18		YPIAJ	Ok,M
6	I.BLK	I.BLK	PP068155.D	23 Oct 2024 10:34		YPIAJ	Ok
7	P4471-02	B-180-SB02	PP068156.D	23 Oct 2024 12:11		YPIAJ	Ok
8	PB164343BL	PB164343BL	PP068157.D	23 Oct 2024 13:21		YPIAJ	Ok
9	PB164343BS	PB164343BS	PP068158.D	23 Oct 2024 13:37		YPIAJ	Ok,M
10	P4485-01	D20241001-01-04	PP068159.D	23 Oct 2024 13:54		YPIAJ	Ok
11	P4486-01	EO-03-102224	PP068160.D	23 Oct 2024 14:10		YPIAJ	Ok
12	P4486-01MS	EO-03-102224MS	PP068161.D	23 Oct 2024 14:26		YPIAJ	Ok,M
13	P4486-01MSD	EO-03-102224MSD	PP068162.D	23 Oct 2024 14:42		YPIAJ	Ok,M
14	P4487-01	BP-B5	PP068163.D	23 Oct 2024 14:58		YPIAJ	Ok
15	P4487-05	BP-F27	PP068164.D	23 Oct 2024 15:14		YPIAJ	Ok
16	P4488-02	1017-B	PP068165.D	23 Oct 2024 15:30		YPIAJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP068166.D	23 Oct 2024 15:57		YPIAJ	Ok
18	AR1242CCC500	AR1242CCC500	PP068167.D	23 Oct 2024 16:13		YPIAJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP102324

Review By	yogesh	Review On	10/24/2024 8:29:24 AM
Supervise By	Ankita	Supervise On	10/24/2024 9:24:26 AM
SubDirectory	PP102324	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		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248CCC500	AR1248CCC500	PP068168.D	23 Oct 2024 16:29		YPIAJ	Ok
20	AR1254CCC500	AR1254CCC500	PP068169.D	23 Oct 2024 16:45		YPIAJ	Ok,M
21	I.BLK	I.BLK	PP068170.D	23 Oct 2024 17:01		YPIAJ	Ok
22	P4488-01	OIL-1	PP068171.D	23 Oct 2024 17:17	DCB high in 1st column.	YPIAJ	Ok,M
23	P4488-09	HCC-1	PP068172.D	23 Oct 2024 17:33		YPIAJ	Ok
24	P4488-10	HCC-2	PP068173.D	23 Oct 2024 17:50		YPIAJ	Ok
25	P4489-01	RT-2675	PP068174.D	23 Oct 2024 18:06	AR1254 Hit	YPIAJ	Ok,M
26	PB164342BL	PB164342BL	PP068175.D	23 Oct 2024 18:22		YPIAJ	Ok
27	PB164342BS	PB164342BS	PP068176.D	23 Oct 2024 18:38		YPIAJ	Ok,M
28	PB164342BSD	PB164342BSD	PP068177.D	23 Oct 2024 18:54		YPIAJ	Ok,M
29	P4485-03	D20241001-02-03	PP068178.D	23 Oct 2024 19:10	DCB low in both column	YPIAJ	ReRun
30	P4460-06	WB-303-SW	PP068179.D	23 Oct 2024 19:26		YPIAJ	Ok
31	AR1660CCC500	AR1660CCC500	PP068180.D	23 Oct 2024 20:04		YPIAJ	Ok
32	AR1242CCC500	AR1242CCC500	PP068181.D	23 Oct 2024 20:20		YPIAJ	Ok
33	AR1248CCC500	AR1248CCC500	PP068182.D	23 Oct 2024 20:36		YPIAJ	Ok
34	AR1254CCC500	AR1254CCC500	PP068183.D	23 Oct 2024 20:52		YPIAJ	Ok,M
35	I.BLK	I.BLK	PP068184.D	23 Oct 2024 21:08		YPIAJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/21/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 10/19/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133000

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
P4442-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
P4442-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
P4442-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
P4442-08	PCB-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
P4442-09	PCB-GPC-BLANK-SPIKE	5	1.00	1.00	2.00	2.00	100.0	
P4442-10	SVOC-GPC2-BLANK	6	1.00	1.00	2.00	2.00	100.0	
P4442-11	PEST-GPC2-BLANK	7	1.00	1.00	2.00	2.00	100.0	
P4442-12	PEST-GPC2-BLANK-SPIKE	8	1.00	1.00	2.00	2.00	100.0	
P4442-13	PCB-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
P4442-14	PCB-GPC2-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
P4443-01	OG-315-HR-502-COMP-29	11	1.17	8.40	9.57	8.9	92.0	
P4443-02	OG-315-HR-502-VOC-29	12	1.15	8.40	9.55	8.8	91.1	
P4443-03	OG-315-HR-502-57	13	1.17	8.60	9.77	9.00	91.0	
P4443-04	OG-315-HR-502-58	14	1.19	8.50	9.69	9.16	93.8	
P4443-06	OG-315-HR-502-COMP-30	15	1.18	8.41	9.59	8.4	85.9	
P4443-07	OG-315-HR-502-VOC-30	16	1.15	8.70	9.85	8.39	83.2	
P4443-08	OG-315-HR-502-59	17	1.15	8.81	9.96	9.33	92.8	
P4443-09	OG-315-HR-502-60	18	1.12	8.76	9.88	7.99	78.4	
P4450-01	PIPE-0	19	1.00	1.00	2.00	2.00	100.0	wipe sample
P4450-02	PIPE-3	20	1.00	1.00	2.00	2.00	100.0	wipe sample
P4450-03	PIPE-5	21	1.00	1.00	2.00	2.00	100.0	wipe sample
P4452-01	ETGI-285	22	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4454-01	34542	23	1.15	8.50	9.65	9.00	92.4	
P4454-02	34543	24	1.15	8.82	9.97	9.32	92.6	
P4454-03	34542-43	25	1.15	8.83	9.98	9.44	93.9	
P4455-01	SU-4-101824	26	1.12	8.49	9.61	8.85	91.0	
P4455-02	SU-4-101824-E2	27	1.12	8.84	9.96	9.07	89.9	
P4456-01	PAD-10182024	29	1.00	1.00	2.00	2.00	100.0	CONCRETE sample



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/21/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 10/19/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133000

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
P4457-01	KMA755I-END-1-1	30	1.00	1.00	2.00	2.00	100.0	pilc
P4457-02	KMA755I-END-1-2	31	1.00	1.00	2.00	2.00	100.0	pilc
P4457-03	KMA755I-END-2-1	32	1.00	1.00	2.00	2.00	100.0	pilc
P4457-04	KMA755I-END-2-2	33	1.00	1.00	2.00	2.00	100.0	pilc
P4457-05	BL270845LOK-END-1-1	34	1.00	1.00	2.00	2.00	100.0	pilc
P4457-06	BL270845LOK-END-1-2	35	1.00	1.00	2.00	2.00	100.0	pilc
P4457-07	BL270845LOK-END-2-1	36	1.00	1.00	2.00	2.00	100.0	pilc
P4457-08	BL270845LOK-END-2-1	37	1.00	1.00	2.00	2.00	100.0	pilc
P4457-09	BC260234LOK-END-1-1	38	1.00	1.00	2.00	2.00	100.0	pilc
P4457-10	BC260234LOK-END-1-2	39	1.00	1.00	2.00	2.00	100.0	pilc
P4457-11	BC260234LOK-END-2-1	40	1.00	1.00	2.00	2.00	100.0	pilc
P4457-12	BC260234LOK-END-2-1	41	1.00	1.00	2.00	2.00	100.0	pilc
P4457-13	SW633963-END-1-1	42	1.00	1.00	2.00	2.00	100.0	pilc
P4457-14	SW633963-END-1-2	43	1.00	1.00	2.00	2.00	100.0	pilc
P4457-15	SW633963-END-2-1	44	1.00	1.00	2.00	2.00	100.0	pilc
P4457-16	SW633963-END-2-2	45	1.00	1.00	2.00	2.00	100.0	pilc
P4458-01	280517	46	1.15	8.68	9.83	8.75	87.6	
P4459-01	60379	28	1.00	1.00	2.00	2.00	100.0	wipe sample
P4460-02	WB-303-TOP	47	1.19	8.52	9.71	5.58	51.5	
P4460-03	WB-303-BOT	48	1.15	8.81	9.96	8.21	80.1	

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

WORKLIST(Hardcopy Internal Chain)

133000

WorkList Name : %1-101824

WorkList ID : 184561

Department : Wet-Chemistry

Date : 10-18-2024 08:02:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4442-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4442-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4442-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4442-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4442-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4442-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4442-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4442-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4442-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4442-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4443-01	OG-315-HR-502-COMP-29	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/17/2024	Chemtech -SO
P4443-02	OG-315-HR-502-VOC-29	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/17/2024	Chemtech -SO
P4443-03	OG-315-HR-502-57	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/17/2024	Chemtech -SO
P4443-04	OG-315-HR-502-58	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/17/2024	Chemtech -SO
P4443-06	OG-315-HR-502-COMP-30	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/17/2024	Chemtech -SO
P4443-07	OG-315-HR-502-VOC-30	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/17/2024	Chemtech -SO
P4443-08	OG-315-HR-502-59	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/17/2024	Chemtech -SO
P4443-09	OG-315-HR-502-60	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/17/2024	Chemtech -SO
P4450-01	PIPE-0	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4450-02	PIPE-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4450-03	PIPE-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO

Date/Time 10/18/24 16:20

Raw Sample Received by: JAWC

Raw Sample Relinquished by: JAWC

Date/Time 10/18/24 17:30

Raw Sample Received by: JAWC

Raw Sample Relinquished by: JAWC

WORKLIST(Hardcopy Internal Chain)

133000

WorkList Name : %1-101824 WorkList ID : 184561 Department : Wet-Chemistry Date : 10-18-2024 08:02:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4452-01	ETGI-285	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4454-01	34542	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4454-02	34543	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4454-03	34542-43	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4455-01	SU-4-101824	Solid	Percent Solids	Cool 4 deg C	PSEG05	K41	10/18/2024	Chemtech -SO
P4455-02	SU-4-101824-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K41	10/18/2024	Chemtech -SO
P4456-01	PAD-10182024	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-01	KMA7551-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-02	KMA7551-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-03	KMA7551-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-04	KMA7551-END-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-05	BL270845LOK-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-06	BL270845LOK-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-07	BL270845LOK-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-08	BL270845LOK-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-09	BC260234LOK-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-10	BC260234LOK-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-11	BC260234LOK-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-12	BC260234LOK-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-13	SW633963-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-14	SW633963-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO

Date/Time	10/18/24	15:20	Date/Time	10/18/24	17:30
Raw Sample Received by:	WBC		Raw Sample Received by:	WBC	
Raw Sample Relinquished by:	WBC		Raw Sample Relinquished by:	WBC	

WORKLIST(Hardcopy Internal Chain)

133000

WorkList Name : %1-101824 WorkList ID : 184561 Department : Wet-Chemistry Date : 10-18-2024 08:02:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4457-15	SW633963-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-16	SW633963-END-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4458-01	280517	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4459-01	60379	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4460-02	WB-303-TOP	Solid	Percent Solids	Cool 4 deg C	PORT06	K51	10/18/2024	Chemtech -SO
P4460-03	WB-303-BOT	Solid	Percent Solids	Cool 4 deg C	PORT06	K51	10/18/2024	Chemtech -SO

Date/Time 10-18-24 16:20
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 10-18-24 17:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: EH **Extraction By:** RJ

Balance check: RJ **Filter By:** RJ

Balance ID: EX-SC-2 **pH Meter ID:** N/A

pH Strip Lot#: N/A **Hood ID:** 3,7

Extraction Start Date : 10/21/2024

Extraction Start Time : 10:10

Extraction End Date : 10/21/2024

Extraction End Time : 13:10

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standarded 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	EP2551
Sand	N/A	E2865
Hexane	N/A	E3819
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 Vial lot# 03-40 BTS721.

KD Bath ID: N/A **Envap ID:** NEVAP-02

KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24	RJ (Rt Lab)	R. Pest/PEBCL
13:05	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 10/21/2024

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164287BL	ABLK287	PCB	30.01	N/A	ritesh	Evelyn	10			U5-1
PB164287BS	ALCS287	PCB	30.03	N/A	ritesh	Evelyn	10			2
P4443-01	OG-315-HR-502-COMP-2 9	PCB	30.07	N/A	ritesh	Evelyn	10	A		3
P4443-06	OG-315-HR-502-COMP-3 0	PCB	30.09	N/A	ritesh	Evelyn	10	A		4
P4452-01	ETGI-285	PCB	30.05	N/A	ritesh	Evelyn	10	B	Concrete	5
P4454-03	34542-43	PCB	30.03	N/A	ritesh	Evelyn	10	B		6
P4455-01	SU-4-101824	PCB	30.08	N/A	ritesh	Evelyn	10	E		U1-1
P4455-01MS	SU-4-101824MS	PCB	30.05	N/A	ritesh	Evelyn	10	E		2
P4455-01MS D	SU-4-101824MSD	PCB	30.01	N/A	ritesh	Evelyn	10	E		3
P4456-01	PAD-10182024	PCB	30.06	N/A	ritesh	Evelyn	10	B	Concrete	4
P4458-01	280517	PCB	30.09	N/A	ritesh	Evelyn	10	H		5
P4460-02	WB-303-TOP	PCB	30.02	N/A	ritesh	Evelyn	10	E		6
P4460-03	WB-303-BOT	PCB	30.04	N/A	ritesh	Evelyn	10	E		U6-1

* Extracts relinquished on the same date as received.



10/25/24
10:10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4443 WorkList ID : 184622 Department : Extraction Date : 10-21-2024 08:34:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4443-01	OG-315-HR-502-COMP-29	Solid	PCB	Cool 4 deg C	PSEG03	K51	10/17/2024	8082A
P4443-06	OG-315-HR-502-COMP-30	Solid	PCB	Cool 4 deg C	PSEG03	K51	10/17/2024	8082A
P4452-01	ETGI-285	Solid	PCB	Cool 4 deg C	PSEG03	K51	10/18/2024	8082A
P4454-03	34542-43	Solid	PCB	Cool 4 deg C	PSEG03	K51	10/18/2024	8082A
P4455-01	SU-4-101824	Solid	PCB	Cool 4 deg C	PSEG05	K41	10/18/2024	8082A
P4456-01	PAD-10182024	Solid	PCB	Cool 4 deg C	PSEG03	K51	10/18/2024	8082A
P4458-01	280517	Solid	PCB	Cool 4 deg C	PSEG03	K51	10/18/2024	8082A
P4460-02	WB-303-TOP	Solid	PCB	Cool 4 deg C	PORT06	K51	10/18/2024	8082A
P4460-03	WB-303-BOT	Solid	PCB	Cool 4 deg C	PORT06	K51	10/18/2024	8082A

Date/Time 10/21/24 10:05
Raw Sample Received by: RJ (for web)
Raw Sample Relinquished by: RJ

Date/Time 10/21/24 10:40
Raw Sample Received by: CJ
Raw Sample Relinquished by: RJ (for web)

SOP ID: M3510C,3580A-Extraction PCB-14

Clean Up SOP #: Acid Cleanup

Matrix : Water

Weigh By: N/A **Extraction By:** RS

Balance check: N/A **Filter By:** RS

Balance ID: N/A **pH Meter ID:** N/A

pH Strip Lot#: E3574 **Hood ID:** 4,6,7

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Extraction Start Date : 10/23/2024

Extraction Start Time : 08:53

Extraction End Date : 10/23/2024

Extraction End Time : 13:45

Concentration By: EH

Supervisor By : rajesh

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Surrogate	1.0ML	200 PPB	PP23858
Spike Sol 1	1.0ML	5000 PPB	PP23640
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3817
Baked Na2SO4	N/A	EP2546
Hexane	N/A	E3819
H2SO4 1:1	N/A	EP2524
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721. P4460-06 Limited volume recd.

KD Bath ID: WATER BATH-1,2 **Envap ID:** NEVAP-02

KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/23/24	RP (Ext Lab)	RP (Ext Lab)
13:50	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction PCB-14

Concentration Date: 10/23/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164342BL	ABLK342	PCB	1000	6	RUPESH	rajesh	10			SEP-01
PB164342BS	ALCS342	PCB	1000	6	RUPESH	rajesh	10			2
PB164342BS D	ALCSD342	PCB	1000	6	RUPESH	rajesh	10			3
P4460-06	WB-303-SW	PCB	490	6	RUPESH	rajesh	5	F		4
P4485-03	D20241001-02-03	PCB	930	6	RUPESH	rajesh	10	C		5

* Extracts relinquished on the same date as received.

10/23/24

WORKLIST(Hardcopy Internal Chain)

Worklist Name : P4488

Worklist ID : 184686

Department : Extraction

Date : 10-23-2024 08:42:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4460-06	WB-303-SW	Water	PCB	Cool 4 deg C	PORT06	K51	10/18/2024	8082A
P4485-03	D20241001-02-03	Water	PCB	Cool 4 deg C	PSEG03	K62	10/22/2024	8082A

Date/Time

10/23/24 8:45

Raw Sample Received by:

RJ (LH 144)

Raw Sample Relinquished by:

RJ (LH 144)

Date/Time

10/23/24 8:15

Raw Sample Received by:

RJ (LH 144)

Raw Sample Relinquished by:

RJ (LH 144)

Prep Standard - Chemical Standard Summary

Order ID : P4460

Test : PCB

Prepbatch ID : PB164287,PB164342,

Sequence ID/Qc Batch ID: PO102124,pp102324,

Standard ID :

EP2524,EP2539,EP2546,EP2548,EP2551,PP23640,PP23733,PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775,PP23776,PP23777,PP23778,PP23779,PP23780,PP23781,PP23782,PP23783,PP23784,PP23785,PP23786,PP23787,PP23788,PP23789,PP23790,PP23858,

Chemical ID :

E2865,E3551,E3788,E3792,E3793,E3804,E3805,E3815,E3817,E3819,M5037,M5178,P10483,P10500,P11507,P11512,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12946,P12947,P12957,P13033,P13350,P13351,P13372,W3112,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	EP2524	08/14/2024	12/15/2024	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 08/14/2024

FROM 1000.00000ml of M5037 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2539	09/17/2024	03/11/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 09/17/2024

FROM 4000.00000ml of E3792 + 4000.00000ml of E3793 = Final Quantity: 8000.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2546	10/11/2024	01/03/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Rajesh Parikh 10/11/2024
<u>FROM</u> 4000.00000gram of E3551 = Final Quantity: 4000.000 gram								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	EP2548	10/16/2024	04/16/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 10/16/2024
<u>FROM</u> 1000.00000ml of W3112 + 4000.00000ml of M5178 = Final Quantity: 2000.000 ml								

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2551	10/18/2024	01/03/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 10/18/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP23640	09/09/2024	01/12/2025	Ankita Jodhani	None	None	Yogesh Patel 09/10/2024

FROM 0.50000ml of P12946 + 99.50000ml of E3788 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP23733	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
202	AR1660 1000/100 ppb working solution 1st source	PP23735	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P10483 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
203	AR1660 750 PPB STD	PP23736	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23735 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
204	AR1660 500 PPB STD	PP23737	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23735 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
205	AR1660 250 PPB STD	PP23738	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23735 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
206	AR1660 50 PPB STD	PP23739	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23737 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
213	AR1221 1000 PPB WORKING SOLUTION	PP23740	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11581 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1079	AR1221 750 PPB STD	PP23741	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23740 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
222	AR1221 500 PPB STD	PP23742	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23740 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1080	AR1221 250 PPB STD	PP23743	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23740 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1081	AR1221 50 PPB STD	PP23744	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23742 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
214	AR1232 1000 PPB WORKING SOLUTION	PP23745	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11587 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1063	AR1232 750 PPB STD	PP23747	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23745 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
223	AR1232 500 PPB STD	PP23748	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23745 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1064	AR1232 250 PPB STD	PP23749	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23745 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1065	AR1232 50 PPB STD	PP23750	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23748 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
215	AR1242 1000 PPB WORKING STD	PP23751	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P12929 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1067	AR1242 750 PPB STD	PP23752	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23751 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
224	AR1242 500 PPB STD	PP23753	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23751 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1068	AR1242 250 PPB STD	PP23754	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23751 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1069	AR1242 50 PPB STD	PP23755	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23753 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
216	AR1248 1000 PPB WORKING STD	PP23756	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P12934 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1075	AR1248 750 PPB STD	PP23757	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23756 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
225	AR1248 500 PPB STD	PP23758	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23756 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1076	AR1248 250 PPB STD	PP23759	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23756 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1077	AR1248 50 PPB STD	PP23760	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23758 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
217	AR1254 1000 PPB WORKING STD	PP23761	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11590 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1071	AR1254 750 PPB STD	PP23762	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23761 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
226	AR1254 500 PPB STD	PP23763	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23761 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1072	AR1254 250 PPB STD	PP23764	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23761 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1073	AR1254 50 PPB STD	PP23765	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23763 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1529	AR1262 1000 PPB Working Solution	PP23766	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P10500 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3753	AR1262 750 PPB STD	PP23767	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23766 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1530	AR1262 500 PPB STD	PP23768	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23766 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3754	AR1262 250 PPB STD	PP23769	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23766 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3755	AR1262 50 PPB STD	PP23770	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23768 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1532	AR1268 1000 PPB Working Solution	PP23771	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11597 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3820	AR1268 750 PPB STD	PP23772	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23771 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1533	AR1268 500 PPB STD	PP23773	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23771 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3821	AR1268 250 PPB STD	PP23774	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23771 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3822	AR1268 50 PPB STD	PP23775	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23773 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
404	AR1660 100 PPM Stock Solution 2nd Source	PP23776	10/03/2024	04/01/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P12947 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
405	AR1660 1000/100 PPB ICV STD	PP23777	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 98.50000ml of E3805 + 0.50000ml of PP23733 + 1.00000ml of PP23776 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
406	AR1660 500 PPB ICV	PP23778	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23777 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP23779	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P13372 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3790	AR1221 500 PPB ICV(AGILENT)	PP23780	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23779 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP23781	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P12698 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP23782	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P11507 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1888	AR1232 500 PPB ICV	PP23783	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23781 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1891	AR1242 500 PPB ICV	PP23784	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23782 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP23785	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11512 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1892	AR1248 500 PPB ICV	PP23786	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23785 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1893	AR1254 1000 PPB Working Sol. 2nd Source	PP23787	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P12957 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1894	AR1254 500 PPB ICV	PP23788	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23787 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3757	AR1262 1000 PPB Working Solution second source	PP23789	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P13033 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3758	AR1262 500 PPB STD ICV	PP23790	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23789 = Final Quantity: 1.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP23858	10/14/2024	04/04/2025	Abdul Mirza	None	None	Ankita Jodhani 10/14/2024
<u>FROM</u> 1.00000ml of P13351 + 999.00000ml of E3815 = Final Quantity: 1000.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	12/31/2024	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	01/03/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	04/23/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3792

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3793

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	04/23/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/30/2025	09/30/2024 / Rajesh	09/25/2024 / Rajesh	E3805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/04/2025	10/04/2024 / Rajesh	10/04/2024 / Rajesh	E3815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24H2762011	04/09/2025	10/09/2024 / Rajesh	10/09/2024 / Rajesh	E3817

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	04/15/2025	10/15/2024 / Rajesh	10/09/2024 / Rajesh	E3819

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000250349	12/15/2024	01/06/2022 / mohan	09/18/2021 / mohan	M5037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	03/29/2026	05/25/2022 / william	04/05/2022 / william	M5178

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0163157	04/03/2025	10/03/2024 / Ankita	03/19/2021 / Abdul	P10483

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane	A0167722	04/03/2025	10/03/2024 / Ankita	03/19/2021 / Ankita	P10500

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	04/03/2025	10/03/2024 / Ankita	02/21/2022 / Ankita	P11507

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006626997	04/03/2025	10/03/2024 / Ankita	02/21/2022 / Ankita	P11512

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0175456	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11581

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0173309	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11587

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0175403	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11590

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0181782	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11597

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc	91867 / Aroclor 1232 100 ug/mL	020823	04/03/2025	10/03/2024 / Ankita	08/07/2023 / Ankita	P12698

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	a0203672	04/03/2025	10/03/2024 / Ankita	12/07/2023 / Ankita	P12929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul	a0202803	04/03/2025	10/03/2024 / Ankita	12/07/2023 / Ankita	P12934

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	01/12/2025	07/12/2024 / Abdul	12/20/2023 / Yogesh	P12946

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12947

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Arochlor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90165 / Aroclor 1262	112322	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P13033

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/03/2025	10/03/2024 / Ankita	04/22/2024 / Abdul	P13350

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/14/2025	10/14/2024 / Abdul	04/22/2024 / Abdul	P13351

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	04/03/2025	10/03/2024 / Ankita	05/02/2024 / Ankita	P13372

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

Sand
Purified
Washed and Ignited



Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

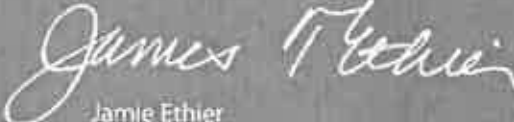
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 8/13/24

E 3788

Ken Koehnlein
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 09/11/24

E 3192

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
CMOS



Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Recd. by RP on 9/11/24

E3793

Acetone
CMOS



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
------	---------------	--------

For Microelectronic Use
Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

Recd by RP on 9/25/24

E 3804

>>> Continued on page 2 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
------	---------------	--------

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC



Michelle Bales
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 9/25/24

E 3805

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date: 2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4

Batch No.: 24H2762011

Manufactured Date: 2024-06-05

Expiration Date: 2025-09-04

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	5
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3817

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantors**TM



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 10/09/24

E 3819



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700
Page 1 of 1

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

avantorsm



Material No.: 9673-33

Batch No.: 0000250349

Manufactured Date: 2019/12/17

Retest Date: 2024/12/15

Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H ₂ SO ₄)	95.0 - 98.0 %	96.5
Appearance	Passes Test	PT
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Substances Reducing Permanganate (as SO ₂)	<= 2 ppm	< 2
Ammonium (NH ₄)	<= 1 ppm	< 1
Chloride (Cl)	<= 0.1 ppm	< 0.1
Nitrate (NO ₃)	<= 0.2 ppm	< 0.1
Phosphate (PO ₄)	<= 0.5 ppm	< 0.1
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	0.2
Arsenic and Antimony (as As)	<= 4 ppb	< 2
Trace Impurities - Barium (Ba)	<= 10.0 ppb	< 1.0
Trace Impurities - Beryllium (Be)	<= 10.0 ppb	< 1.0
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 10.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	2.9
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 10.0 ppb	< 1.0
Trace Impurities - Germanium (Ge)	<= 10.0 ppb	< 10.0
Trace Impurities - Gold (Au)	<= 10.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 500 ppb	< 100

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

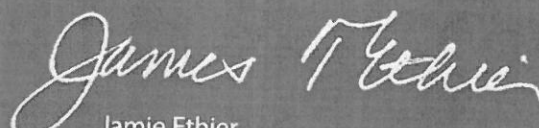
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9673-33
Batch No.: 0000250349

Test	Specification	Result
Trace Impurities - Iron (Fe)	<= 50.0 ppb	4.1
Trace Impurities - Lead (Pb)	<= 0.5 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 10.0 ppb	< 1.0
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	< 0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 10.0 ppb	< 1.0
Trace Impurities - Potassium (K)	<= 500.0 ppb	< 2.0
Trace Impurities - Selenium (Se)	<= 50.0 ppb	22.9
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 500.0 ppb	2.7
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 10.0 ppb	< 5.0
Trace Impurities - Thallium (Tl)	<= 20.0 ppb	< 5.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 10.0 ppb	< 1.0
Trace Impurities - Vanadium (V)	<= 10.0 ppb	< 1.0
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 10.0 ppb	< 1.0

For Laboratory, Research or Manufacturing Use

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis



Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid–base titrn)	36.5 – 38.0 %	37.6
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	1
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.189
ACS – Bromide (Br)	<= 0.005 %	< 0.005
ACS – Extractable Organic Substances	<= 5 ppm	< 1
ACS – Free Chlorine (as Cl ₂)	<= 0.5 ppm	< 0.5
Phosphate (PO ₄)	<= 0.05 ppm	< 0.03
Sulfate (SO ₄)	<= 0.5 ppm	< 0.3
Sulfite (SO ₃)	<= 0.8 ppm	0.3
Ammonium (NH ₄)	<= 3 ppm	< 1
Trace Impurities – Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities – Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities – Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities – Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities – Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities – Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities – Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities – Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities – Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities – Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities – Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities – Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Test	Specification	Result
Trace Impurities – Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities – Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities – Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities – Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities – Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities – Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities – Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities – Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities – Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities – Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities – Selenium (Se), For Information Only	ppb	1.0
Trace Impurities – Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities – Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities – Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities – Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities – Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities – Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities – Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities – Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities – Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities – Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities – Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use

Product Information (not specifications):

Appearance (clear, fuming liquid)

Meets ACS Specifications

Country of Origin: US

Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 Lot No.: A0163157
Description : Aroclor® 1016/1260 Mix
Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : November 30, 2026 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1016 CAS # 12674-11-2 (Lot 04) Purity ----%	1,007.0 µg/mL	+/- 5.8683 µg/mL Gravimetric +/- 31.9082 µg/mL Unstressed +/- 41.6868 µg/mL Stressed
2	Aroclor 1260 CAS # 11096-82-5 (Lot 07) Purity ----%	1,008.0 µg/mL	+/- 5.8741 µg/mL Gravimetric +/- 31.9399 µg/mL Unstressed +/- 41.7282 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 10476

P 10480

AR
02/19/21

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

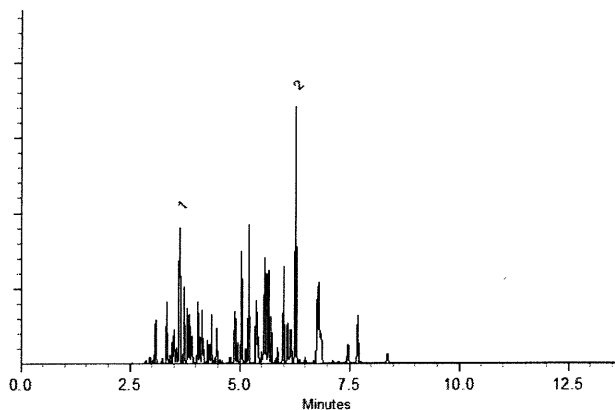
250°C

Det. Temp:

300°C

Det. Type:

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 03-Aug-2020

Balance: B442140311

Justine Albertson - Operations Tech-ARM QC

Date Passed: 05-Aug-2020

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32409 Lot No.: A0167722
Description : Aroclor® 1262 Standard
Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : April 30, 2027 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1262	1,004.0 µg/mL	+/- 5.9635 µg/mL Gravimetric
	CAS # 37324-23-5 (Lot 10849100)		+/- 31.8340 µg/mL Unstressed
	Purity ----%		+/- 41.5787 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P10496
↓
P10500

AJ
09/19/21

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

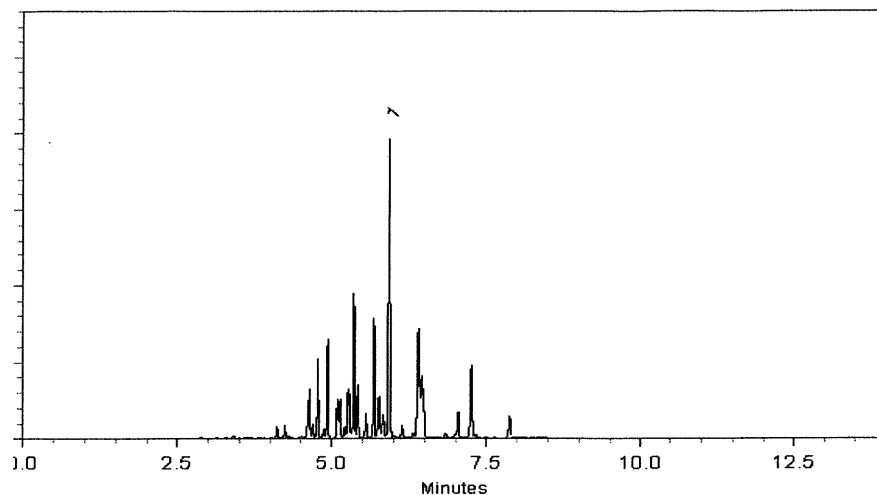
250°C

Det. Temp:

300°C

Det. Type:

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 03-Jan-2021

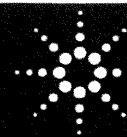
Balance: B707717271

Marlene Cowan
Marlene Cowan - Operations Tech I

Date Passed: 05-Jan-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

ISO 17034



Agilent

Trusted Answers

Reference Material Certificate

Product Name: Aroclor 1242 Standard

Lot Number: 0006665550

Product Number: PP-312-1

Lot Issue Date: 08-Feb-2022

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 31-Jan-2027

Component Name	CERTIFIED VALUES			CAS#	Analyte Lot
	Concentration	Expanded Uncertainty			
Aroclor 1242	100.4	± 0.5 µg/mL		053469-21-9	NT01020

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P11503
↓
P11507

AJ
02/21/22

Page: 1 of 2

CSD-QA-015.1

ISO 17034



Agilent

Trusted Answers

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

Page: 2 of 2

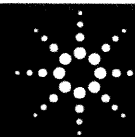
www.agilent.com/quality/

CSD-QA-015.1



ISO 17025
Cert No. AT-

ISO 17034



Agilent

Trusted Answers

Reference Material Certificate

Product Name: Aroclor 1248 Standard

Lot Number: 0006626997

Product Number: PP-342-1

Lot Issue Date: 17-Aug-2021

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 30-Sep-2025

Component Name	CERTIFIED VALUES		CAS#	Analyte Lot
	Concentration	Expanded Uncertainty		
Aroclor 1248	100.3	± 0.5 µg/mL	012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P11508

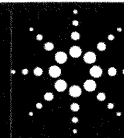
↓

P11512

AJ

2/21/22

ISO 17034



Agilent

Trusted Answers

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/

CSD-QA-015.1



ISO 17025 Cert
No. AT-1937



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 **Lot No.:** A0175456
Description : Aroclor® 1221 Standard
Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : November 30, 2027 **Storage:** 25°C nominal
Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1221	1,002.0 µg/mL	+/- 5.9516 µg/mL Gravimetric
	CAS # 11104-28-2 (Lot 10210500)		+/- 31.7706 µg/mL Unstressed
	Purity ----%		+/- 41.4958 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 11578
↓
P 11582 / (S)

AR
04/30/22

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

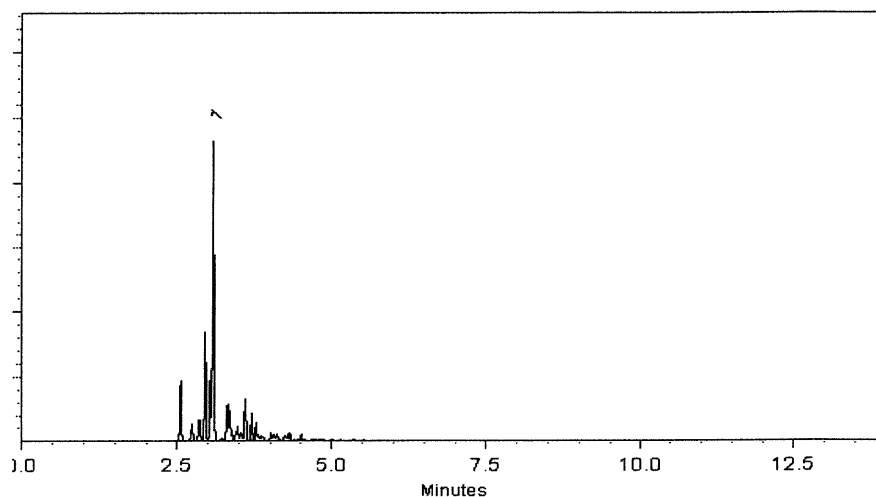
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 16-Aug-2021 **Balance:** B442140311

Marlene Cowan
Marlene Cowan - Operations Tech I

Date Passed: 18-Aug-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P11578
↓
P11582 / (S)

AR
04/30/22



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008 Lot No.: A0173309
Description : Aroclor® 1232 Standard
Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : September 30, 2027 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1232	1,001.0 µg/mL	+/- 5.9456 µg/mL Gravimetric
	CAS # 11141-16-5 (Lot 15665-01)		+/- 31.7389 µg/mL Unstressed
	Purity ----%		+/- 41.4544 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11583
↓
P11587 / (S)

AR
04/30/22

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

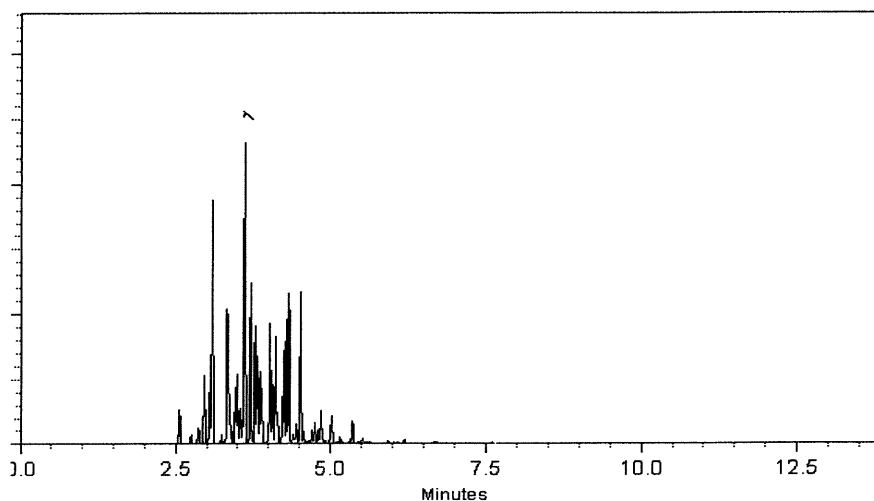
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 13-Jun-2021 **Balance:** B442140311

Alexis Shelow
Alexis Shelow - Operations Tech I

Date Passed: 16-Jun-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P11583
↓
P11587 (5)

AR
04/30/22



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 Lot No.: A0175403
Description : Aroclor® 1254 Standard
Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : November 30, 2027 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1254 CAS # 11097-69-1 (Lot 124-191-B) Purity ----%	1,000.7 µg/mL	+/- 5.9437 µg/mL Gravimetric +/- 31.7284 µg/mL Unstressed +/- 41.4406 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11588
↓
P11592 / (S)

AR
04/30/2022

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

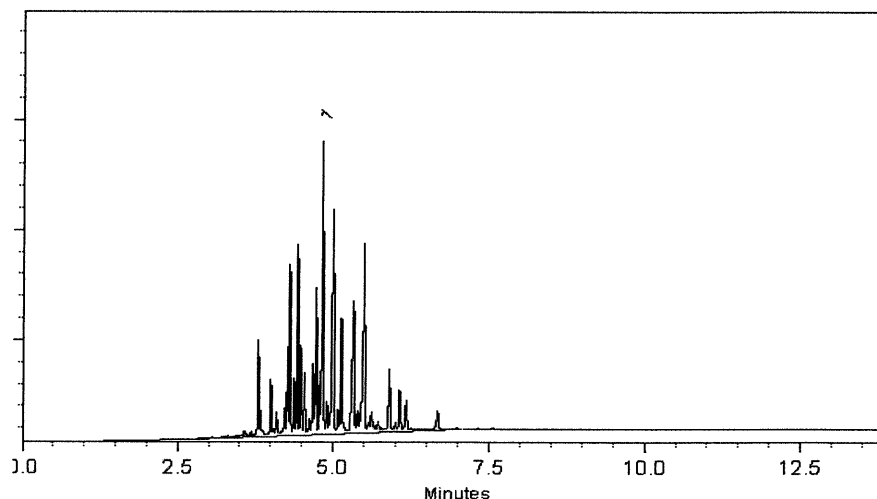
250°C

Det. Temp:

300°C

Det. Type:

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis

Cathleen Soltis - Mix Technician

Date Mixed: 15-Aug-2021

Balance: 1128360905

Alexis Shelow

Alexis Shelow - Operations Tech I

Date Passed: 17-Aug-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P11588
↓
P11592 / (5)

AR
04/30/22



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32410 **Lot No.:** A0181782

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2028 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1268	1,001.4 µg/mL	+/- 5.9480 µg/mL Gravimetric
	CAS # 11100-14-4 (Lot 10947000)		+/- 31.7516 µg/mL Unstressed
	Purity ----%		+/- 41.4710 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 11593
↓
P 11597
⑤

UAR
04/30/2022

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

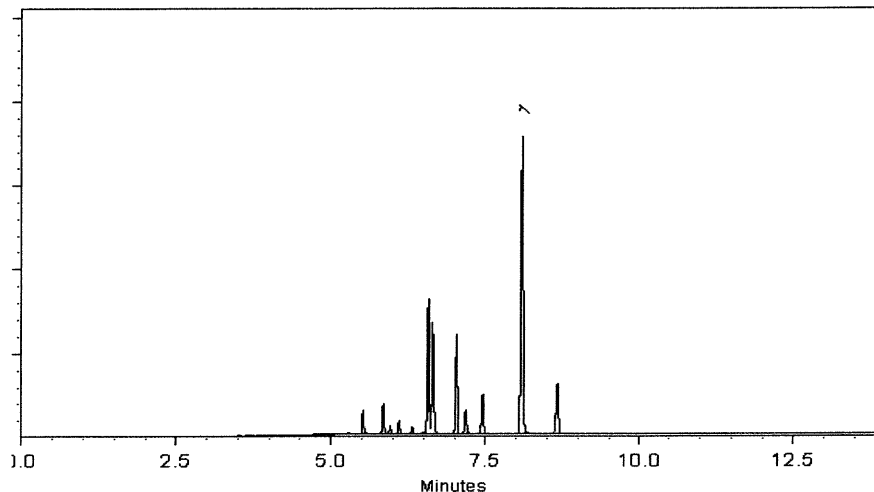
250°C

Det. Temp:

300°C

Det. Type:

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope S. Riglin
Penelope Riglin - Operations Tech I

Date Mixed: 14-Feb-2022

Balance: 1128360905

Clara Windle
Clara Windle - Operations Technician I

Date Passed: 17-Feb-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 11593 / (5)
↓
P 11597
[Signature]
04/30/2022



CERTIFIED WEIGHT REPORT

Part Number: 91867
Lot Number: 020823
Description: WP 037 - Aroclor 1232
 PCB Technical Mixture
Expiration Date: 020833
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 100
NIST Test ID#: 6UTB

Solvent:
 Aceton

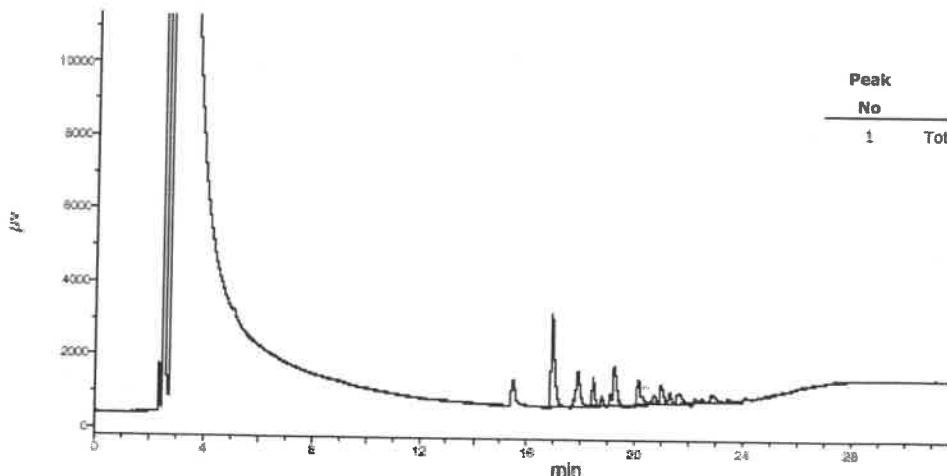
Weight(s) shown below were combined and diluted to (mL): 100.0
 5E-05 Balance Uncertainty
 0.057 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier
 Column ID SPB-608 30 meter X 0.53mm X 5µm film thickness
 Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
 Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
 Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
 Rate = 8°C/min, Total run time = 35 min
 Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
 Standard injection = 1.5µL, Range=3





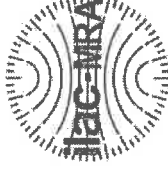
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 32009 **Lot No.:** A0203672

Description: Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size: 2 mL **Pkg Amt:** > 1 mL

Expiration Date: January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

p12928

→

p12932

AJ

12/27/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	01141	—%	1,004.7 µg/mL	+/- 55.7515

Solvent: Hexane

CAS # 110-54-3

Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

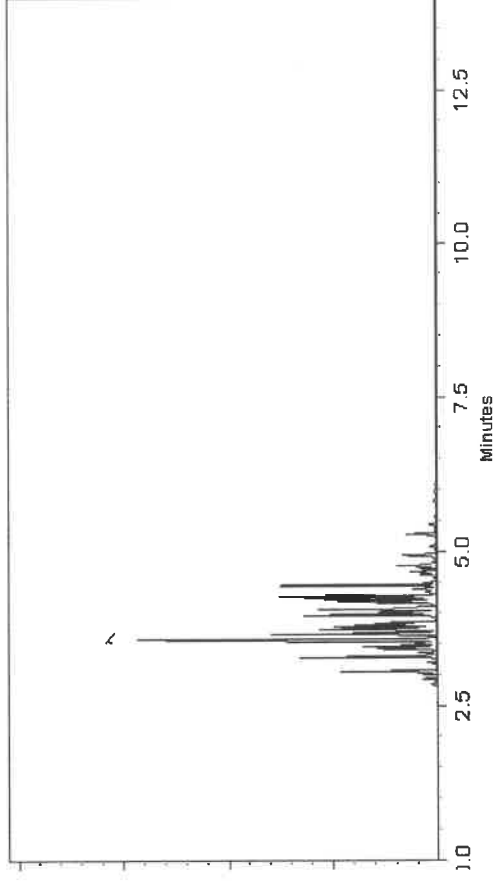
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2ul



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Boothamer

Russ Boothamer - Operations Technician I

Date Mixed: 26-Oct-2023

Balance Serial #

B442140311

Jennifer Polino

Jennifer Polino - Operations Tech III - ARM QC

Date Passed: 06-Nov-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FW 80397



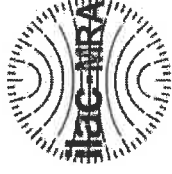
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 32010 **Lot No.:** A0202803

Description: Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size: 2 mL **Pkg Amt:** > 1 mL

Expiration Date: January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P1219697
P1219697
AF
12104123

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1248	12672-29-6	13897600	---%	1,001.7 µg/mL	+/- 55.5850

Solvent: Hexane

CAS # 110-54-3

Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

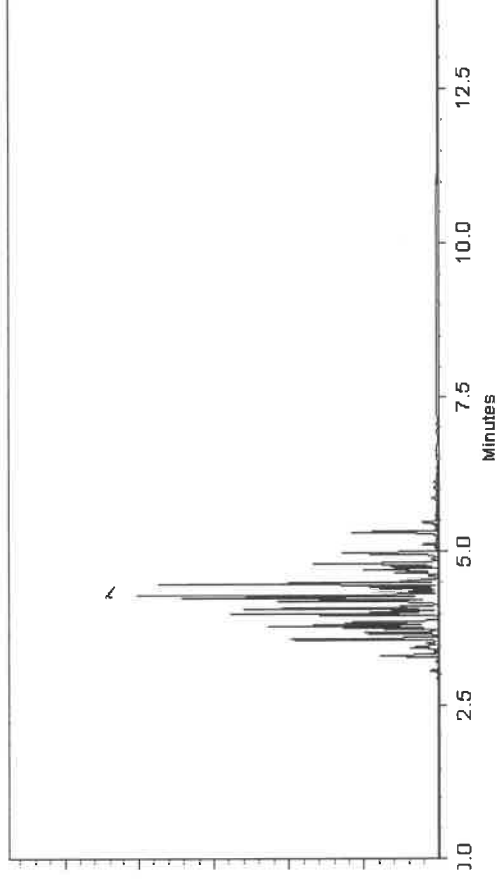
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2ul



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente
Laith Clemente - Operations Technician I

Date Mixed: 03-Oct-2023

Balance Serial # 1128360905

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FW 80397



Certified Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number:
20084

Lot Number:
022023

Description:
CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260

Expiration Date:
022033

Recommended Storage:
Ambient (20 °C)

Nominal Concentration (µg/mL):
1000

NIST Test ID#:
6UTB

Solvent(s):
Hexane

Lot#
273615

Formulated By:
Benson Chan

Reviewed By:
Pedro L. Rentas

DATE
022023

DATE
022023

5E-05 Balance Uncertainty
0.010 Flask Uncertainty

Nominal Conc (µg/mL):
200.0

Weight(s) shown below were combined and diluted to (mL):

Part Number:
20084

Lot Number:
022023

Description:
CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260

Expiration Date:
022033

Recommended Storage:
Ambient (20 °C)

Nominal Concentration (µg/mL):
1000

NIST Test ID#:
6UTB

Solvent(s):
Hexane

Lot#
273615

Formulated By:
Benson Chan

Reviewed By:
Pedro L. Rentas

DATE
022023

DATE
022023

5E-05 Balance Uncertainty
0.010 Flask Uncertainty

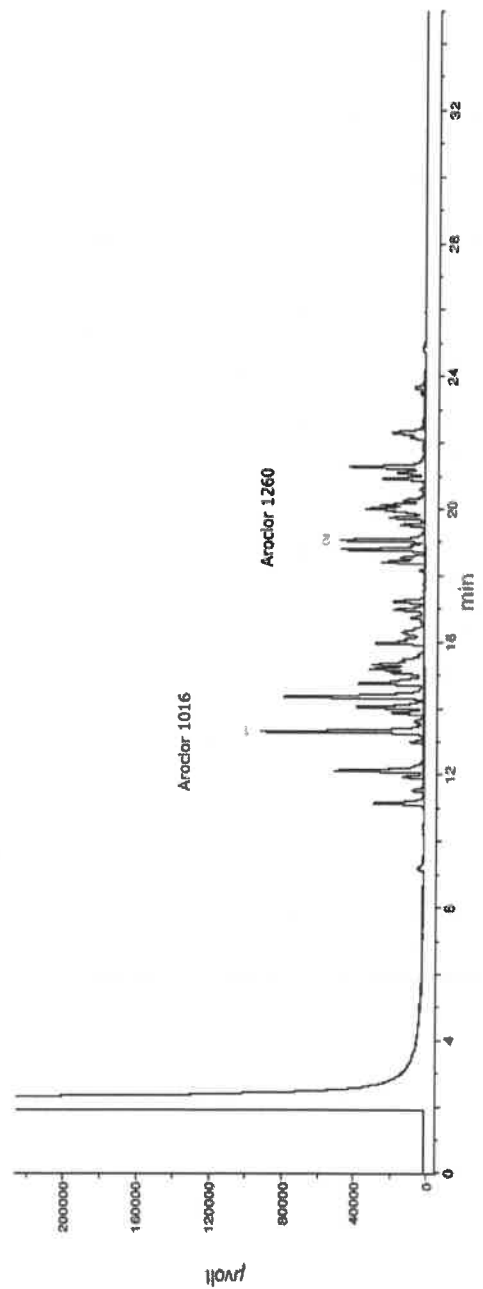
Nominal Conc (µg/mL):
200.0

Weight(s) shown below were combined and diluted to (mL):

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11086-82-5	0.5mg/m3	orl-rat 1315mg/kg

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stortier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 280°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C, FID Signal = Etdaq Channel 1
Standard Injection = 1.5µL, Range=3





Certified Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number:
20064

Lot Number:
022023

Description:
CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260

Expiration Date:
022033

Recommended Storage:
Ambient (20 °C)

Nominal Concentration (µg/mL):
1000

NIST Test ID#:
6UTB

Solvent(s):
Hexane

Lot#:
273615

Formulated By:
Benson Chan

Reviewed By:
Pedro L. Rentas

DATE:
022023

DATE:
022023

Weight(s) shown below were combined and diluted to (mL):
200.0

Balance Uncertainty:
0.010

Flask Uncertainty:
0.010

Part Number:
20064

Lot Number:
022023

Description:
CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260

Expiration Date:
022033

Recommended Storage:
Ambient (20 °C)

Nominal Concentration (µg/mL):
1000

NIST Test ID#:
6UTB

Solvent(s):
Hexane

Lot#:
273615

Formulated By:
Benson Chan

Reviewed By:
Pedro L. Rentas

DATE:
022023

DATE:
022023

Weight(s) shown below were combined and diluted to (mL):
200.0

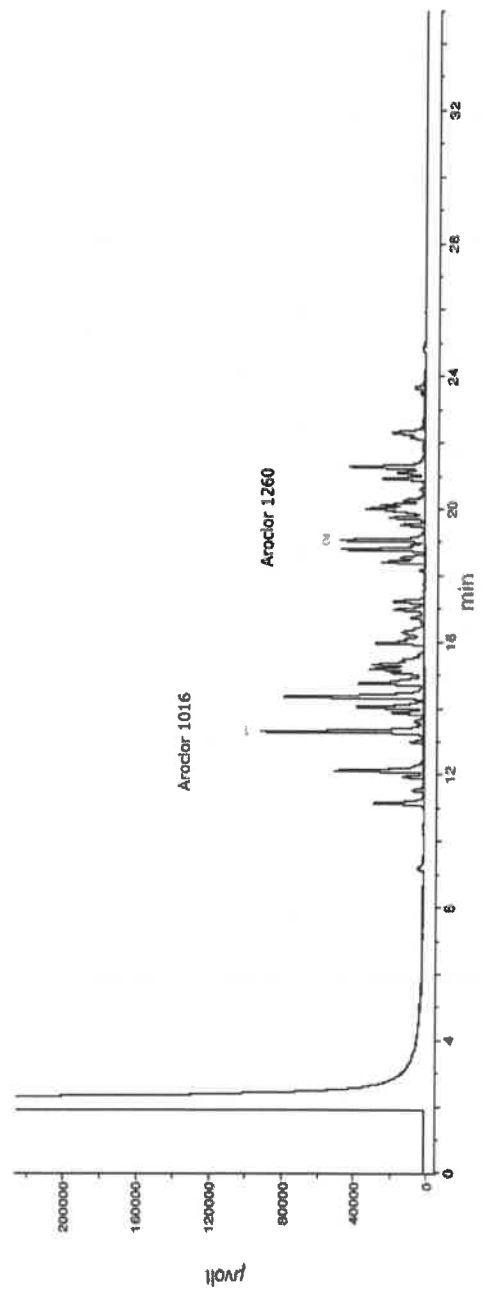
Balance Uncertainty:
0.010

Flask Uncertainty:
0.010

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11086-82-5	0.5mg/m3	orl-rat 1315mg/kg

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stortier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 280°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C, FID Signal = Etdaq Channel 1
Standard Injection = 1.5µL, Range=3





CERTIFIED WEIGHT REPORT

Part Number: 90165
Lot Number: 112322
Description: Atrocior 1262
Expiration Date: 112332
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6LUTB
Weight(s) shown were combined and diluted to (mL): 50.0

Solvent(s): Hexane
Lot# 273615

SE-05 Balance Uncertainty
0.005 Flask Uncertainty

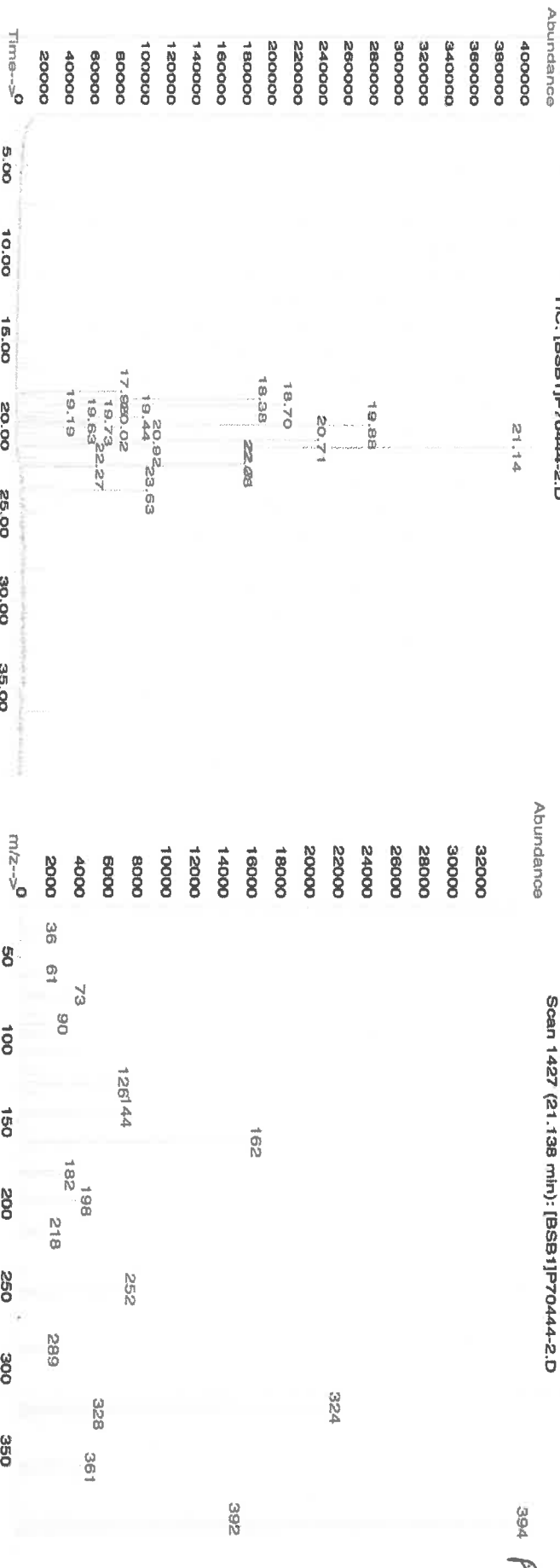
Formulated By:	Prashant Chauhan	112322	DATE
Reviewed By:	Pedro L. Rentes	112322	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
----------	-----	------------	----------------------	------------	--------------------	-------------------	-------------------	---------------------	----------------------------------	------	----------------	------

1. Atrocior 1262 444 W-130-05 1000 100 0.2 0.05003 0.05016 1002.7 4.5 37324-23-5 N/A or-ral 11300mg/kg

Method GC/MSD-7.M: Column:(30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (0min.), Temp 2 = 290°C (12.5 min.), Rate = 8°C/min., Injector B = 200°C, Detector B = 290°C.

TIC: [BSB1]P70444-2.D



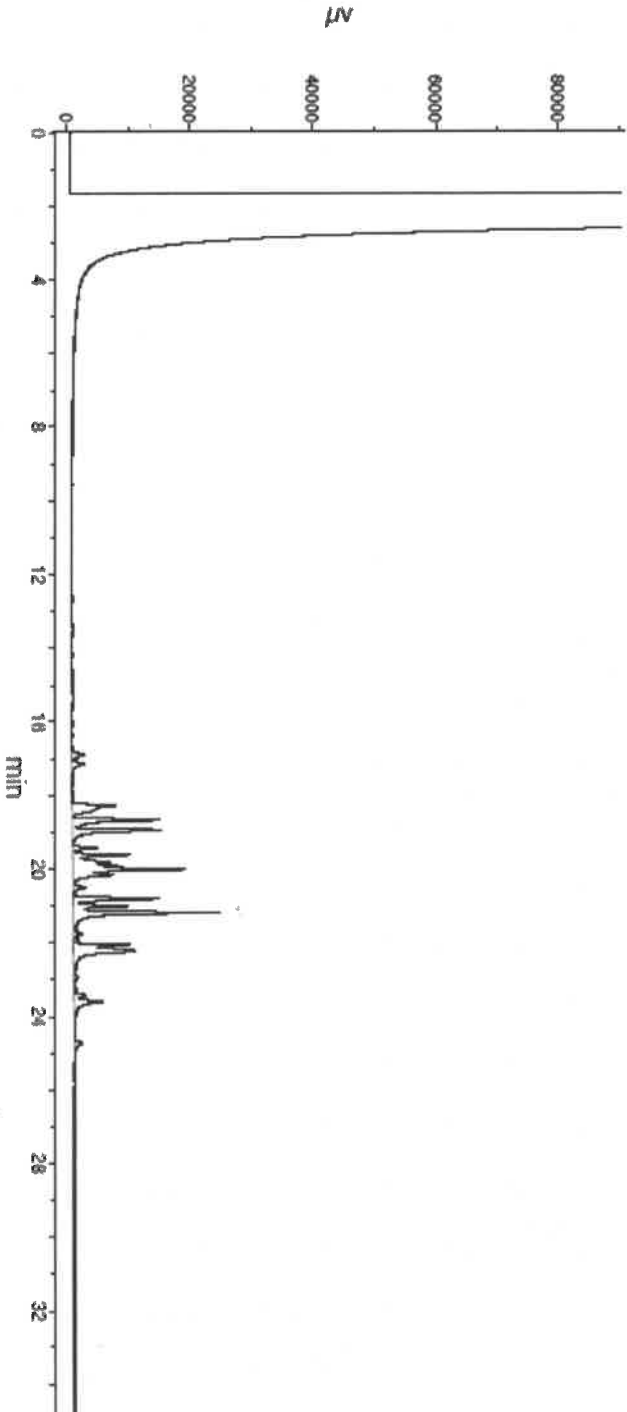


Run 20, "P90165 L112322 [1000µg/mL in hexane]"

Run Length: 35.00 min, 21000 points at 10 points/second.
Created: Thu, Dec 8, 2022 at 2:31:02 AM.
Sampled: Sequence "120722-GC3M1", Method "GC3-M1".
Analyzed using Method "GC3-M1".

Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection = 1.5µL, Range=3





110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
↓
P13357
10
BAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

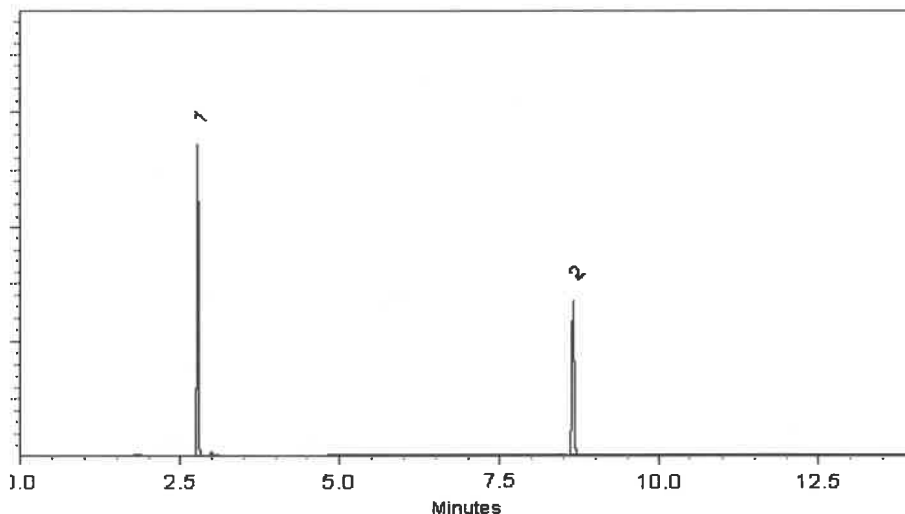
ECD

Split Vent:

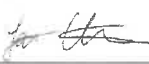
10 ml/min.

Inj. Vol

1µl

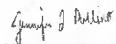


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
↓
P 13357
SAUF
04/25/2025



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
↓
P13357
10
BAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

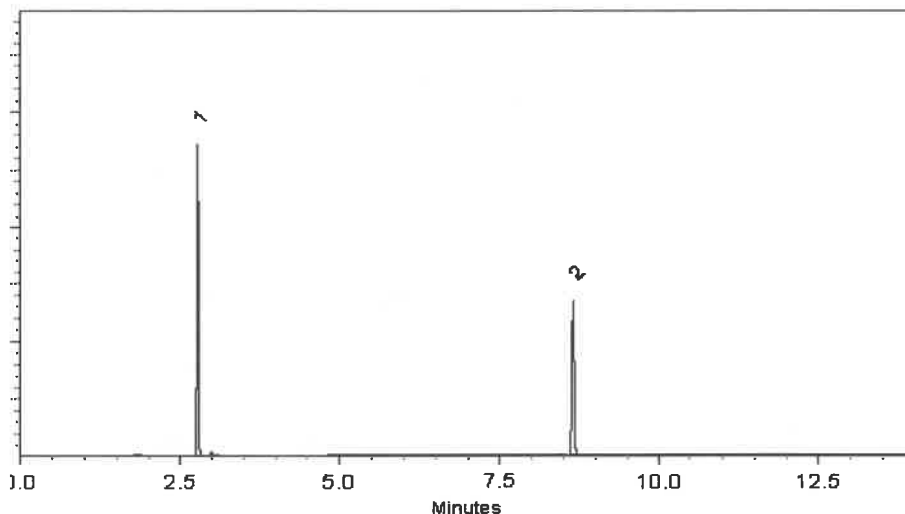
ECD

Split Vent:

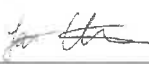
10 ml/min.

Inj. Vol

1µl

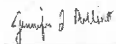


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

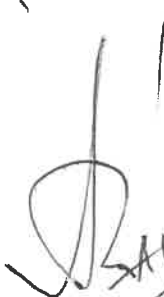
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
↓
P 13357
10


SAUF
04/25/2025



ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Aroclor 1221 Standard
Product Number: PP-292-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006783205
Lot Issue Date: 20-Feb-2024
Expiration Date: 31-Mar-2032

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
Aroclor 1221	100.3 ±	0.5 µg/mL	011104-28-2	NT01017

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13342
AJ
05106124
P13343

Page: 1 of 2

CSD-QA-015.2

ISO 17025

Cert No. AT-1937

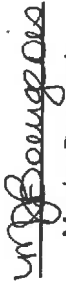
250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality



Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO
9001:2015 Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: GANNETT FLEMING

ADDRESS: 1010 ADAMS AVENUE

CITY: ALBANY STATE: PA ZIP: 1903

ATTENTION: JOE KRIVANSKY

PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: ANDRAK'S REFINEMENT OF BRIDGE

PROJECT NO.: 95000000000000000000

PROJECT MANAGER: JOE KRIVANSKY

e-mail: DAK@chemtech.com

PHONE: 610-301-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Chemtech

ADDRESS: 284 Sheffield St.

CITY: Mountainside STATE: NJ ZIP: 07092

ATTENTION: Samantha

PHONE: 908-788-3148

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*

HARDCOPY (DATA PACKAGE): 10 _____ DAYS*

EDD: 10 _____ 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: BTH EDD

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID

PROJECT SAMPLE IDENTIFICATION

SAMPLE MATRIX

SAMPLE TYPE

SAMPLE COLLECTION

OF BOTTLES

A

B

F

Specify Preservatives

A-HCl

B-HNO3

C-H2SO4

D-NaOH

E-ICE

F-OTHER

1.

WB-303-SH

2.

WB-303-Top

3.

WB-303-Bot

4.

TB-10182024

5.

6.

7.

8.

9.

10.

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

RELINQUISHED BY SAMPLER: DATE/TIME: 10/18/24 RECEIVED BY: 1450

RELINQUISHED BY SAMPLER: DATE/TIME: 10/18/24 RECEIVED BY: 10-18-24

Comments: Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.0 °C

RELINQUISHED BY SAMPLER: DATE/TIME: 10/18/24 RECEIVED BY: 3.

CLIENT: ☐ Hand Delivered ☐ Other ☐ Field SamplingCHEMTECH: ☐ Picked Up ☐ Field SamplingShipment Complete ☐ YES ☐ NO



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

Laboratory Certification

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

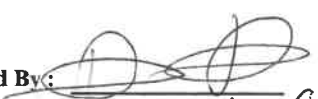


284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4460	PORT06	Order Date : 10/18/2024 3:24:00 PM	Project Mgr :
Client Name : Portal Partners Tri-Venture		Project Name : Amtrak Sawtooth Bridges 2	Report Type : NJ Reduced
Client Contact : Joseph Krupansky		Receive DateTime : 10/18/2024 4:00:00 PM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Portal Partners Tri-Venture		Purchase Order :	Hard Copy Date :
Invoice Contact : Joseph Krupansky			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4460-02	WB-303-TOP	Solid	10/18/2024	09:50	VOC-TCLVOA-10		8260D	10 Bus. Days	
P4460-03	WB-303-BOT	Solid	10/18/2024	10:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
P4460-05	TB-10182024	Water	10/18/2024	00:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
P4460-06	WB-303-SW	Water	10/18/2024	09:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Relinquished By: 

Date / Time :

10-18-24 1620

Received By: 

Date / Time :

10/18/24 4:45 PM

Storage Area : VOA Refridgerator Room