

Cover Page

Order ID : P4103

Project ID : North Point

Client : ENTACT

Lab Sample Number

P4103-01
P4103-02
P4103-03
P4103-04
P4103-05
P4103-06
P4103-07
P4103-08
P4103-09
P4103-10
P4103-11
P4103-12
P4103-13
P4103-14
P4103-15
P4103-16
P4103-17
P4103-18

Client Sample Number

WC-22A
WC-22A
WC-22A
WC-14-5-7.5A
WC-14-5-7.5A
WC-14-5-7.5A
WC-14-5-7.5B
WC-14-5-7.5B
WC-14-5-7.5B
WC-14-7.5-10A
WC-14-7.5-10A
WC-14-7.5-10A
WC-14-7.5-10B
WC-14-7.5-10B
WC-14-7.5-10B
WC-23
WC-23
WC-23

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: 9/26/2024

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 #: P4103

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: KETAN PATEL

Date: 09/26/2024

LAB CHRONICLE

OrderID:	P4103	OrderDate:	9/18/2024 3:16:00 PM
Client:	ENTACT	Project:	North Point
Contact:	Chris Lawrence	Location:	J11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4103-01	WC-22A	SOIL			09/17/24			09/18/24
			Diesel Range Organics	8015D		09/19/24	09/19/24	
			PCB	8082A		09/19/24	09/19/24	
P4103-04	WC-14-5-7.5A	SOIL			09/17/24			09/18/24
			Diesel Range Organics	8015D		09/19/24	09/19/24	
			PCB	8082A		09/19/24	09/19/24	
P4103-07	WC-14-5-7.5B	SOIL			09/17/24			09/18/24
			Diesel Range Organics	8015D		09/19/24	09/19/24	
			Gasoline Range Organics	8015D			09/19/24	
			Gasoline Range Organics	8015D			09/20/24	
			PCB	8082A		09/19/24	09/19/24	
P4103-10	WC-14-7.5-10A	SOIL			09/17/24			09/18/24
			Diesel Range Organics	8015D		09/19/24	09/19/24	
			PCB	8082A		09/19/24	09/19/24	
P4103-13	WC-14-7.5-10B	SOIL			09/17/24			09/18/24
			Diesel Range Organics	8015D		09/19/24	09/19/24	
			Diesel Range Organics	8015D		09/19/24	09/20/24	
			PCB	8082A		09/19/24	09/19/24	
P4103-16	WC-23	SOIL			09/17/24			09/18/24
			Diesel Range Organics	8015D		09/19/24	09/19/24	
			Diesel Range Organics	8015D		09/19/24	09/20/24	
			PCB	8082A		09/19/24	09/19/24	



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

Hit Summary Sheet
SW-846

SDG No.: P4103

Order ID: P4103

Client: ENTACT

Project ID: North Point

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

Client ID :

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: **P4103**

Client: **ENTACT**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO106313.D	PIBLK-PO106313.D	Tetrachloro-m-xylene	1	20	17.3	86		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	18.4	92		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	17.0	85		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	18.1	90		70 (60)	130 (140)
I.BLK-PO106693.D	PIBLK-PO106693.D	Tetrachloro-m-xylene	1	20	24.8	124		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.6	118		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.2	111		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	24.4	122		70 (60)	130 (140)
PB163523BL	PB163523BL	Tetrachloro-m-xylene	1	20	25.8	129		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	24.2	121		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	22.7	113		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	25.0	125		30 (32)	150 (175)
PB163523BS	PB163523BS	Tetrachloro-m-xylene	1	20	24.7	124		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	23.4	117		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.0	105		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	24.2	121		30 (32)	150 (175)
P4103-01	WC-22A	Tetrachloro-m-xylene	1	20	10.3	51		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	14.2	71		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	11.1	55		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	12.6	63		30 (32)	150 (175)
P4103-04	WC-14-5-7.5A	Tetrachloro-m-xylene	1	20	11.4	57		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	17.1	85		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	13.2	66		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	17.1	85		30 (32)	150 (175)
P4103-07	WC-14-5-7.5B	Tetrachloro-m-xylene	1	20	12.2	61		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.2	96		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	13.6	68		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.6	93		30 (32)	150 (175)
P4103-07MS	WC-14-5-7.5BMS	Tetrachloro-m-xylene	1	20	13.2	66		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.5	103		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	14.1	70		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.3	101		30 (32)	150 (175)
P4103-07MSD	WC-14-5-7.5BMSD	Tetrachloro-m-xylene	1	20	13.3	66		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.9	105		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	14.0	70		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.3	101		30 (32)	150 (175)
P4103-10	WC-14-7.5-10A	Tetrachloro-m-xylene	1	20	10.7	54		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	18.8	94		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	11.2	56		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.6	93		30 (32)	150 (175)
P4103-13	WC-14-7.5-10B	Tetrachloro-m-xylene	1	20	14.9	74		30 (32)	150 (144)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: **P4103**

Client: **ENTACT**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
P4103-13	WC-14-7.5-10B	Decachlorobiphenyl	1	20	18.2	91		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	16.6	83		30 (32)	150 (144)
I.BLK-PO106708.D	PIBLK-PO106708.D	Decachlorobiphenyl	2	20	18.0	90		30 (32)	150 (175)
		Tetrachloro-m-xylene	1	20	24.9	125		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	24.1	120		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.6	113		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	25.1	126		70 (60)	130 (140)
P4103-16	WC-23	Tetrachloro-m-xylene	1	20	14.4	72		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	18.6	93		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	16.9	85		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	19.1	95		30 (32)	150 (175)
I.BLK-PO106715.D	PIBLK-PO106715.D	Tetrachloro-m-xylene	1	20	25.9	130		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	24.7	123		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.8	114		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	25.5	128		70 (60)	130 (140)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4103

Client: ENTACT

Analytical Method: 8082A

DataFile : PO106700.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: P4103-07MS	WC-14-5-7.5BMS											
	AR1016	184.5	0	139	ug/kg	75				40 (55)	140 (146)	
	AR1260	184.5	0	172	ug/kg	93				40 (45)	140 (144)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4103

Client: ENTACT

Analytical Method: 8082A

DataFile : PO106701.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	WC-14-5-7.5BMSD											
P4103-07MSD	AR1016	184.6	0	140	ug/kg	76		1		40 (55)	140 (146)	30 (20)
	AR1260	184.6	0	177	ug/kg	96		3		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.: P4103

Client: ENTACT

Analytical Method: 8082A Datafile : PO106695.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB163523BS	AR1016	166.5	183	ug/kg	110				40 (71)	140 (120)		
	AR1260	166.5	175	ug/kg	105				40 (65)	140 (130)		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163523BL

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: P4103

SAS No.: P4103 SDG NO.: P4103

Lab Sample ID: PB163523BL

Lab File ID: PO106694.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 09/19/2024

Date Analyzed (1): 09/19/2024

Date Analyzed (2): 09/19/2024

Time Analyzed (1): 16:21

Time Analyzed (2): 16:21

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
PB163523BS	PB163523BS	PO106695.D	09/19/2024	09/19/2024
WC-22A	P4103-01	PO106697.D	09/19/2024	09/19/2024
WC-14-5-7.5A	P4103-04	PO106698.D	09/19/2024	09/19/2024
WC-14-5-7.5B	P4103-07	PO106699.D	09/19/2024	09/19/2024
WC-14-5-7.5BMS	P4103-07MS	PO106700.D	09/19/2024	09/19/2024
WC-14-5-7.5BMSD	P4103-07MSD	PO106701.D	09/19/2024	09/19/2024
WC-14-7.5-10A	P4103-10	PO106702.D	09/19/2024	09/19/2024
WC-14-7.5-10B	P4103-13	PO106703.D	09/19/2024	09/19/2024
WC-23	P4103-16	PO106709.D	09/19/2024	09/19/2024

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	09/17/24
Project:	North Point	Date Received:	09/18/24
Client Sample ID:	WC-22A	SDG No.:	P4103
Lab Sample ID:	P4103-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	92.7
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO106697.D	1	09/19/24 11:09	09/19/24 17:14	PB163523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.70	U	3.70	18.3	ug/kg
11104-28-2	Aroclor-1221	6.90	U	6.90	18.3	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.3	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.3	ug/kg
12672-29-6	Aroclor-1248	8.50	U	8.50	18.3	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.3	ug/kg
37324-23-5	Aroclor-1262	4.90	U	4.90	18.3	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.3	ug/kg
11096-82-5	Aroclor-1260	3.10	U	3.10	18.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	11.1		30 (32) - 150 (144)	55%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.2		30 (32) - 150 (175)	71%	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\P0091924\
Data File : P0106697.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2024 17:14
Operator : YP/AJ
Sample : P4103-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
WC-22A

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 05:19:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 09:57:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.452	3.713	76875048	29586709	10.248	11.076m
2) SA Decachlor...	10.196	8.737	70134739	25290049	14.189	12.643m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO091924\
Data File : PO106697.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2024 17:14
Operator : YP/AJ
Sample : P4103-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

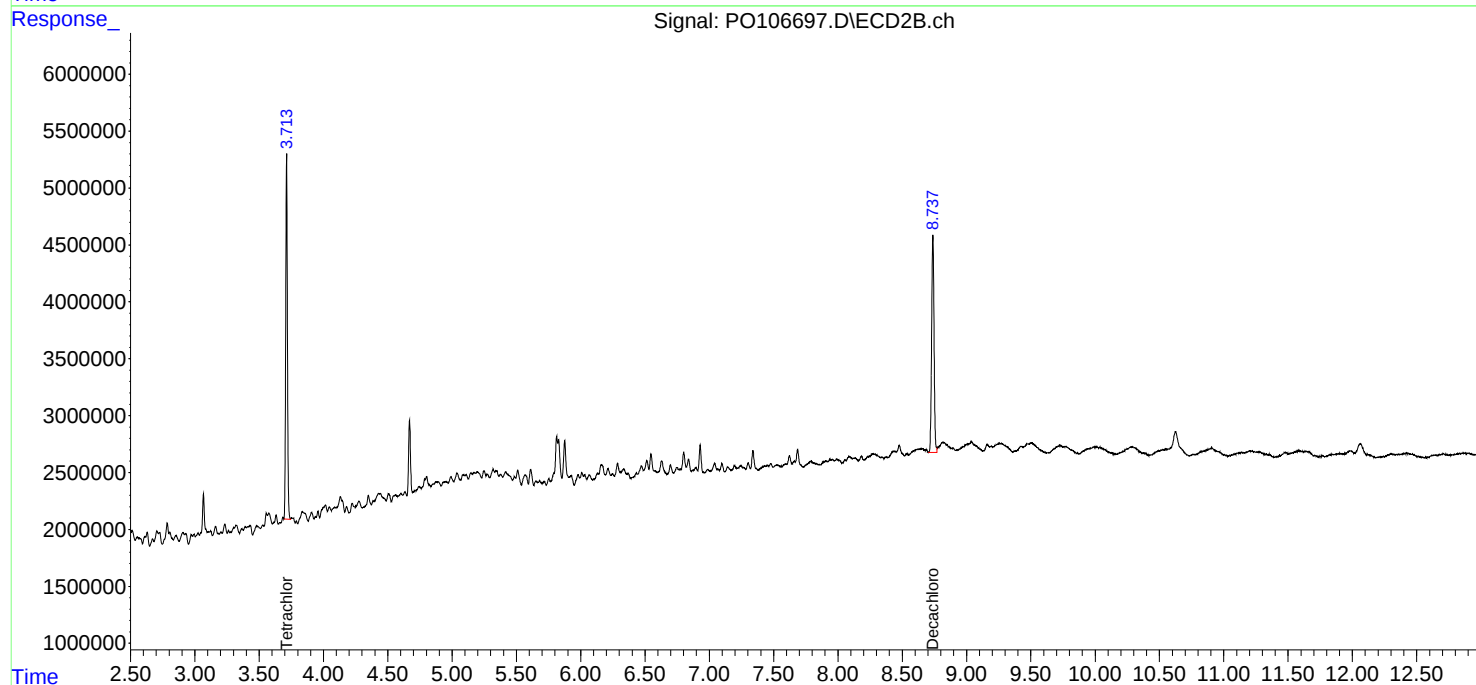
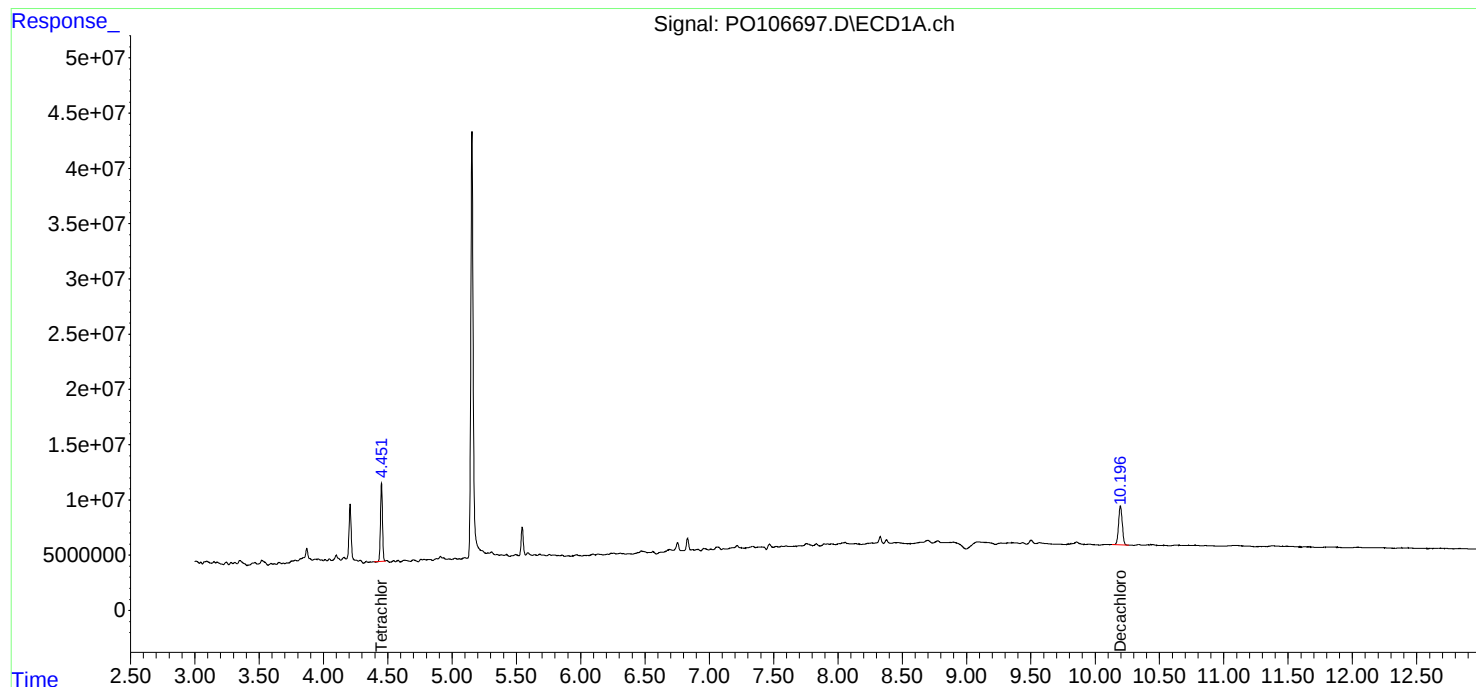
Instrument :
ECD_O
ClientSampleId :
WC-22A

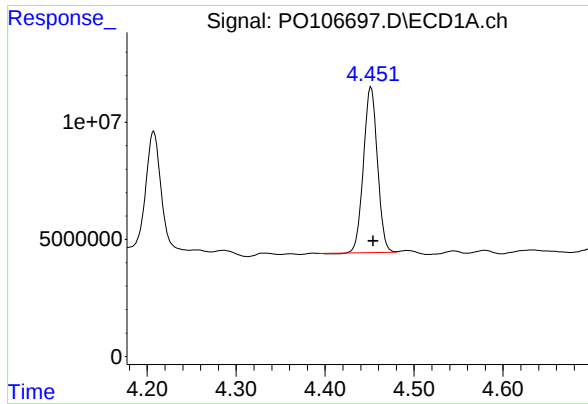
Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 09/20/2024
Supervised By : Ankita Jodhani 09/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 05:19:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 09:57:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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





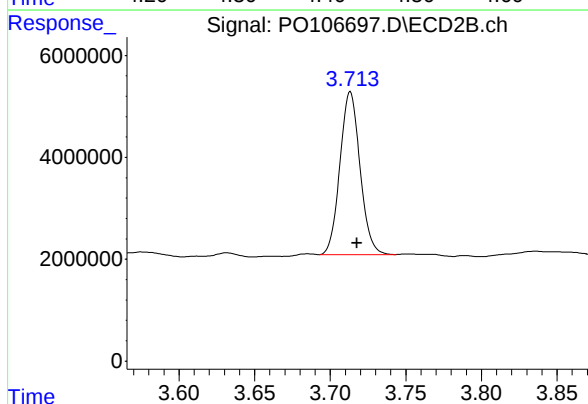
#1 Tetrachloro-m-xylene

R.T.: 4.452 min
Delta R.T.: -0.002 min
Response: 76875048
Conc: 10.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
WC-22A

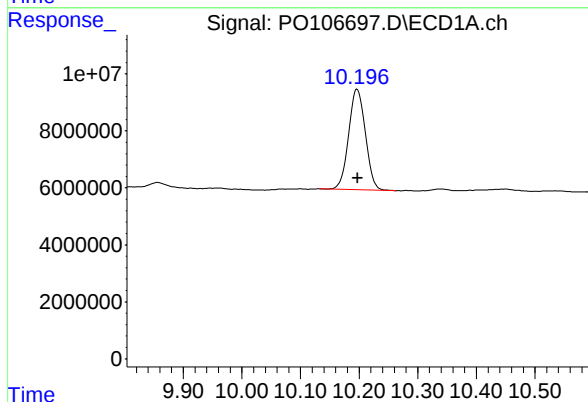
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024



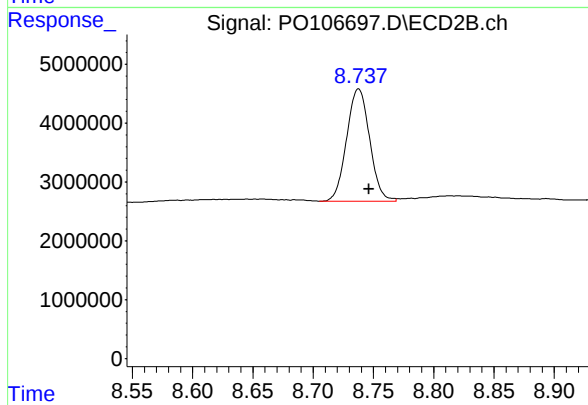
#1 Tetrachloro-m-xylene

R.T.: 3.713 min
Delta R.T.: -0.005 min
Response: 29586709
Conc: 11.08 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.196 min
Delta R.T.: 0.000 min
Response: 70134739
Conc: 14.19 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.737 min
Delta R.T.: -0.009 min
Response: 25290049
Conc: 12.64 ng/ml m

Report of Analysis

Client:	ENTACT	Date Collected:	09/17/24
Project:	North Point	Date Received:	09/18/24
Client Sample ID:	WC-14-5-7.5A	SDG No.:	P4103
Lab Sample ID:	P4103-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	89.8
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
PO106698.D	1	09/19/24 11:09	09/19/24 17:33	PB163523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.80	U	3.80	18.9	ug/kg
11104-28-2	Aroclor-1221	7.10	U	7.10	18.9	ug/kg
11141-16-5	Aroclor-1232	3.80	U	3.80	18.9	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	18.9	ug/kg
12672-29-6	Aroclor-1248	8.80	U	8.80	18.9	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.9	ug/kg
37324-23-5	Aroclor-1262	5.10	U	5.10	18.9	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.9	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	13.2		30 (32) - 150 (144)	66%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.1		30 (32) - 150 (175)	85%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0091924\
 Data File : P0106698.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2024 17:33
 Operator : YP/AJ
 Sample : P4103-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 WC-14-5-7.5A

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
 Supervised By :Ankita Jodhani 09/20/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 20 05:20:05 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 09:57:51 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.450	3.713	85769230	35194101	11.434m	13.175m
2) SA Decachlor...	10.198	8.737	84479977	34152700	17.091	17.074m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO091924\
Data File : PO106698.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2024 17:33
Operator : YP/AJ
Sample : P4103-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

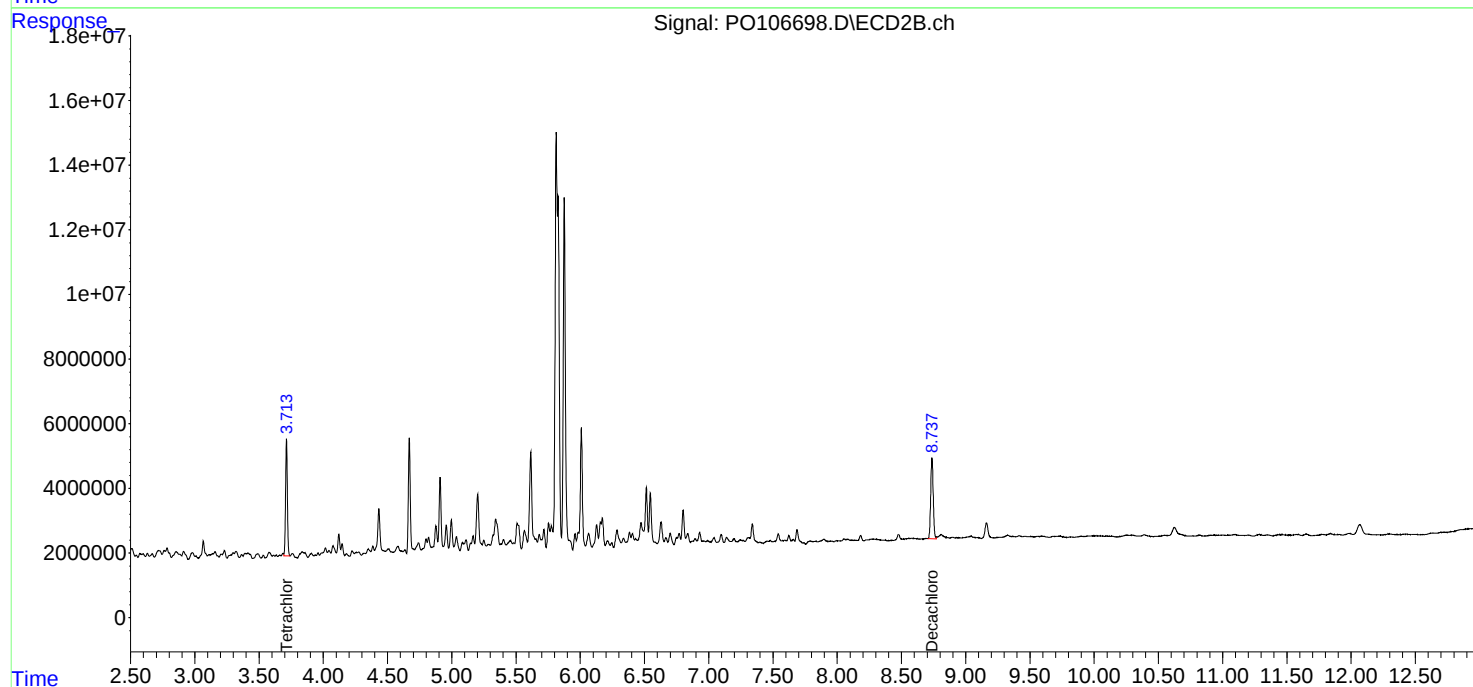
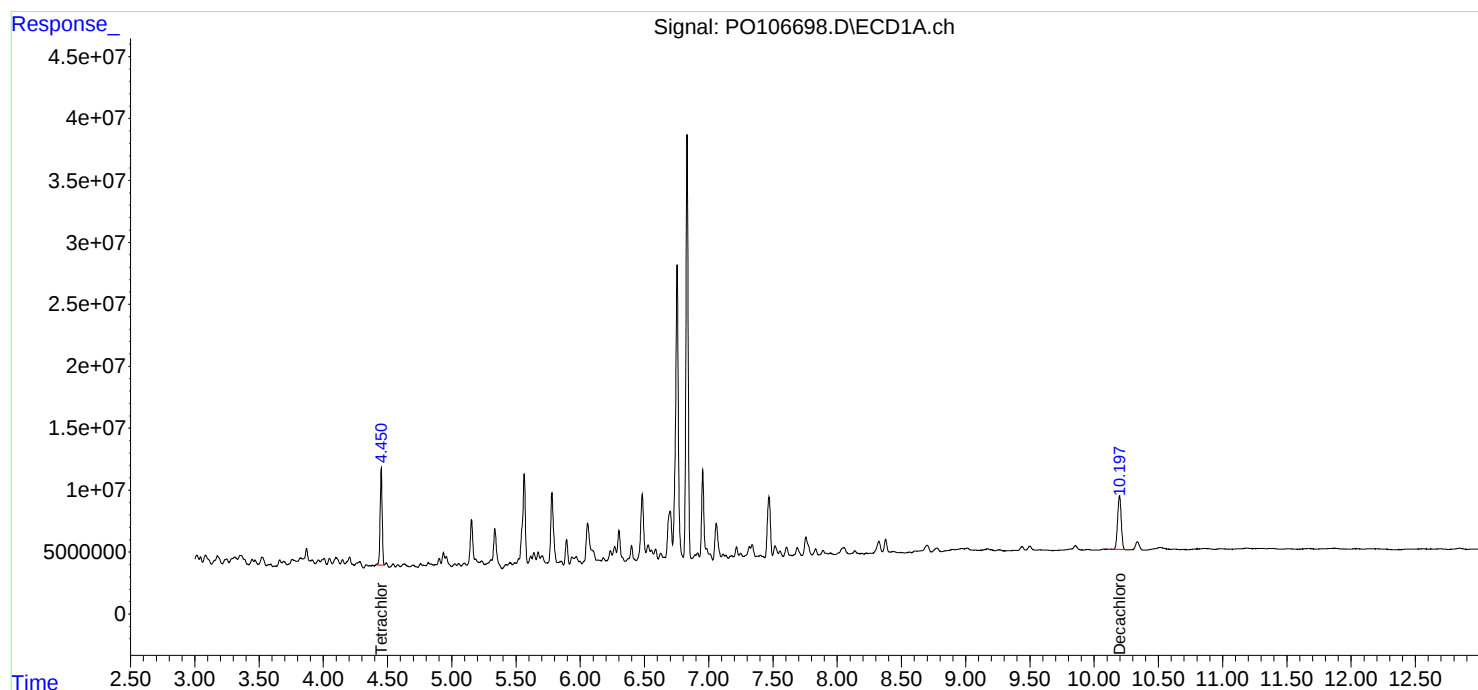
Instrument :
ECD_O
ClientSampleId :
WC-14-5-7.5A

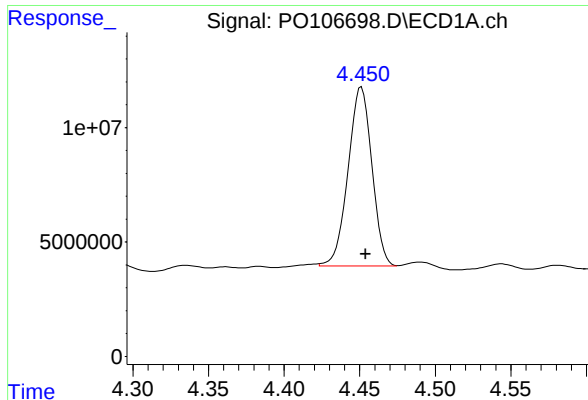
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 05:20:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 09:57:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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





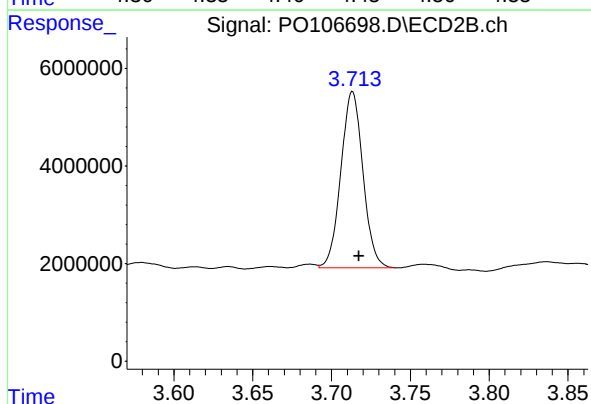
#1 Tetrachloro-m-xylene

R.T.: 4.450 min
Delta R.T.: -0.004 min
Response: 85769230
Conc: 11.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
WC-14-5-7.5A

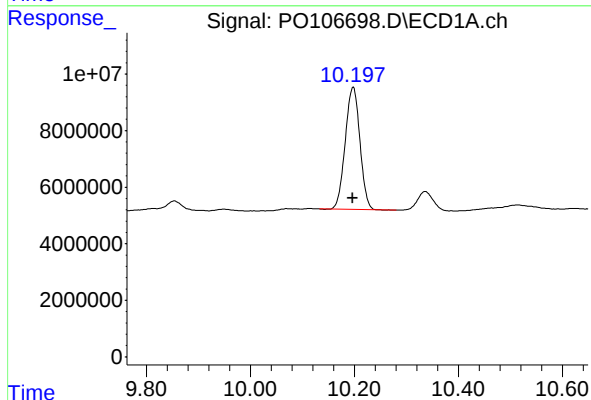
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024



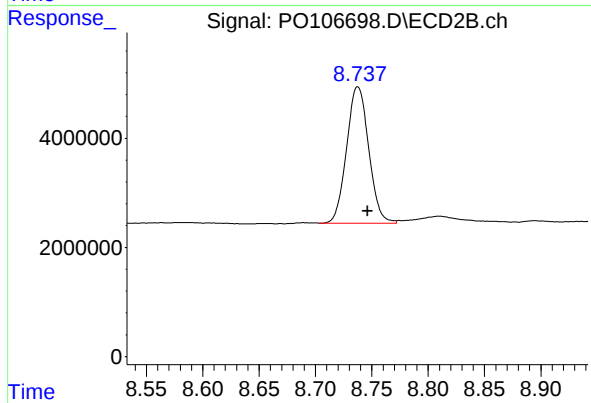
#1 Tetrachloro-m-xylene

R.T.: 3.713 min
Delta R.T.: -0.005 min
Response: 35194101
Conc: 13.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.198 min
Delta R.T.: 0.000 min
Response: 84479977
Conc: 17.09 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.737 min
Delta R.T.: -0.009 min
Response: 34152700
Conc: 17.07 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	09/17/24
Project:	North Point	Date Received:	09/18/24
Client Sample ID:	WC-14-5-7.5B	SDG No.:	P4103
Lab Sample ID:	P4103-07	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.1
Sample Wt/Vol:	30.03	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
PO106699.D	1	09/19/24 11:09	09/19/24 17:51	PB163523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.80	U	3.80	18.8	ug/kg
11104-28-2	Aroclor-1221	7.10	U	7.10	18.8	ug/kg
11141-16-5	Aroclor-1232	3.80	U	3.80	18.8	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	18.8	ug/kg
12672-29-6	Aroclor-1248	8.70	U	8.70	18.8	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.8	ug/kg
37324-23-5	Aroclor-1262	5.10	U	5.10	18.8	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.8	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	18.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	13.6		30 (32) - 150 (144)	68%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.2		30 (32) - 150 (175)	96%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0091924\
 Data File : P0106699.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2024 17:51
 Operator : YP/AJ
 Sample : P4103-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 WC-14-5-7.5B

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
 Supervised By :Ankita Jodhani 09/20/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 20 05:20:28 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 09:57:51 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.451	3.713	91553283	36314254	12.205	13.595m
2) SA Decachlor...	10.197	8.738	95098163	37303621	19.240	18.650

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO091924\
Data File : PO106699.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2024 17:51
Operator : YP/AJ
Sample : P4103-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

WC-14-5-7.5B

Manual Integrations

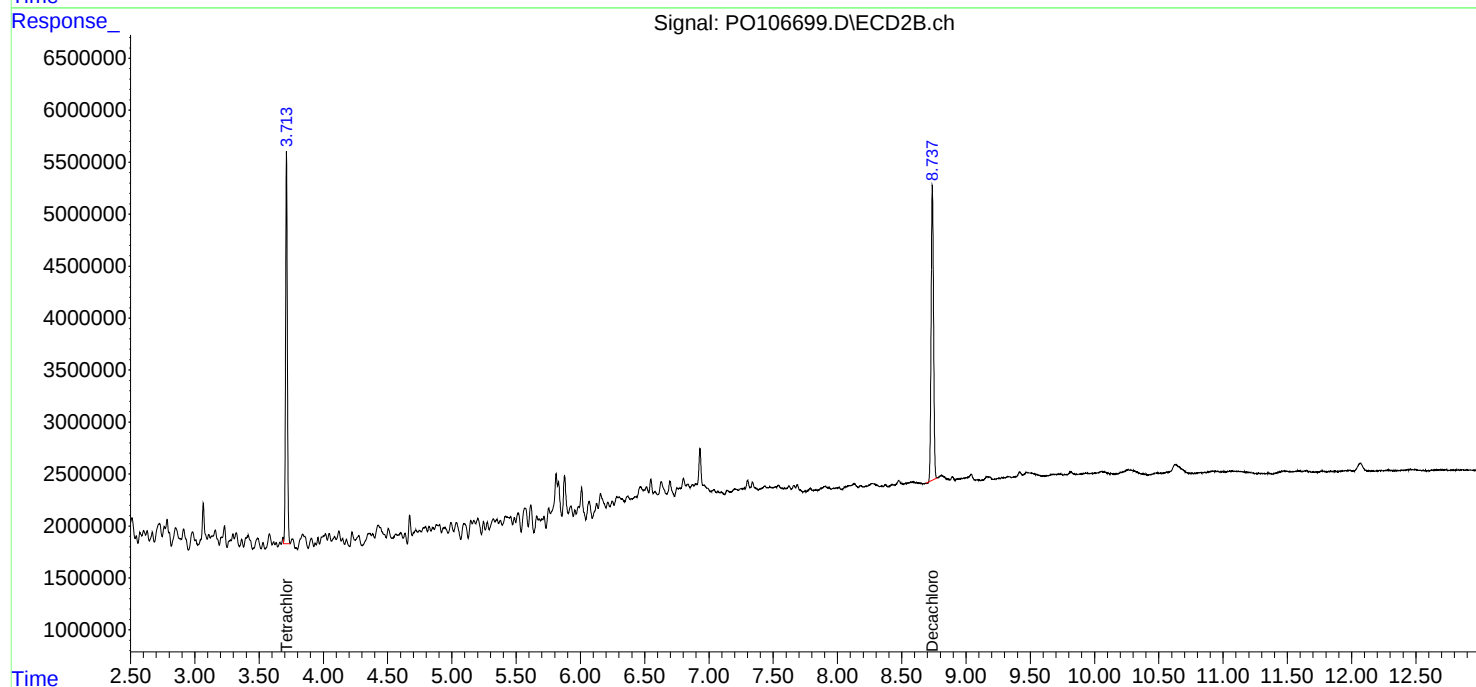
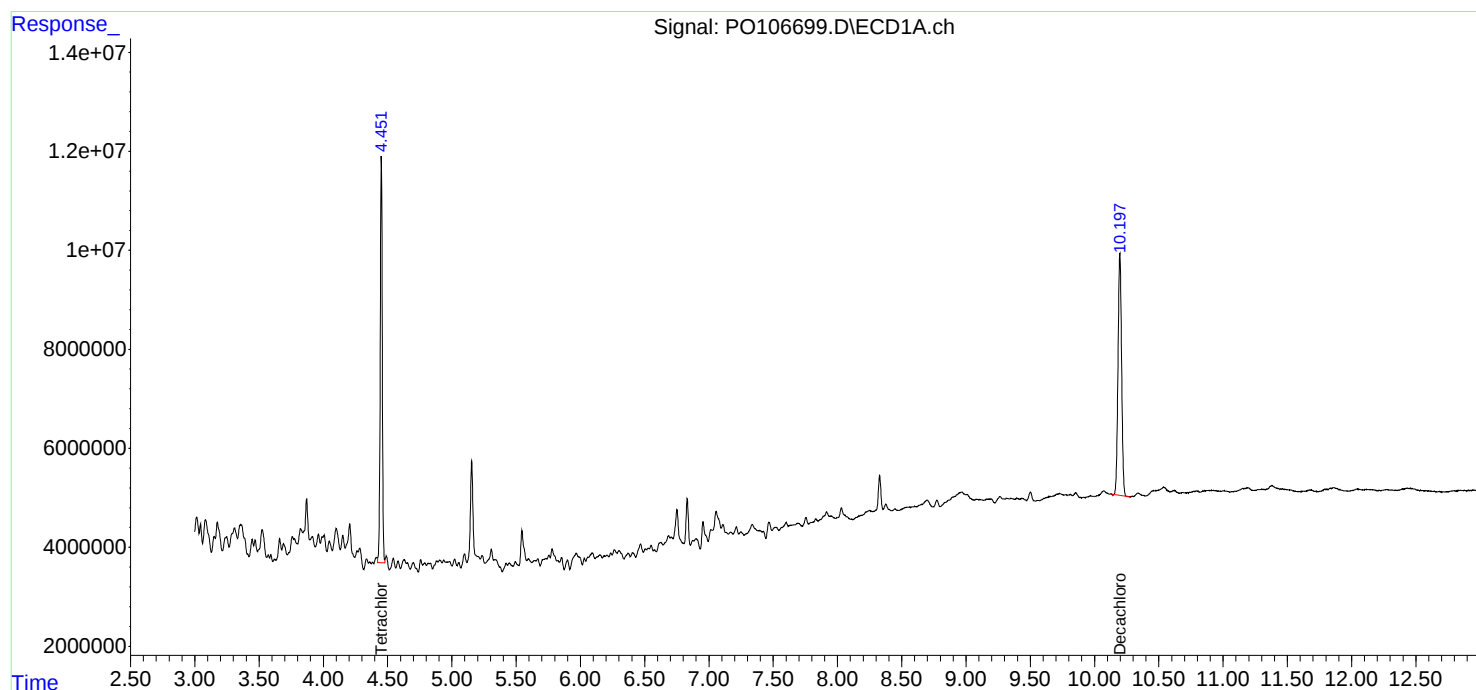
APPROVED

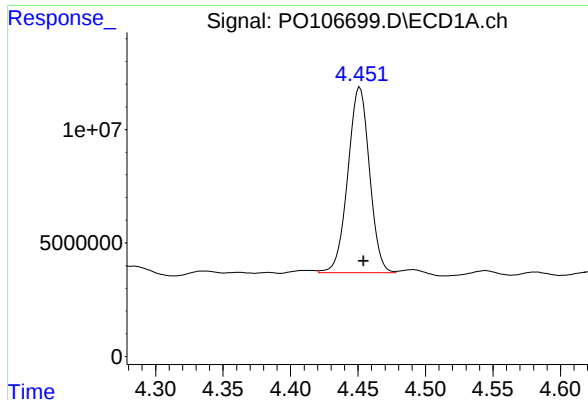
Reviewed By :Yogesh Patel 09/20/2024

Supervised By :Ankita Jodhani 09/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 05:20:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 09:57:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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





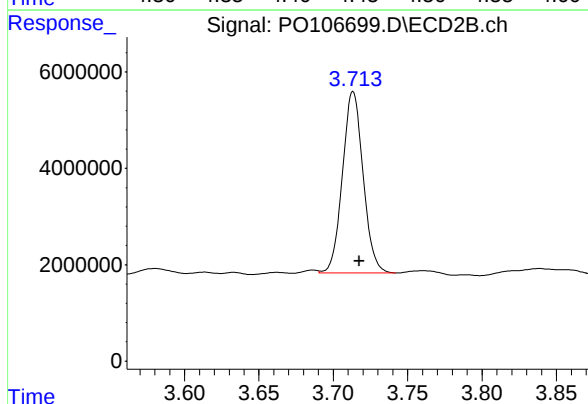
#1 Tetrachloro-m-xylene

R.T.: 4.451 min
Delta R.T.: -0.003 min
Response: 91553283
Conc: 12.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
WC-14-5-7.5B

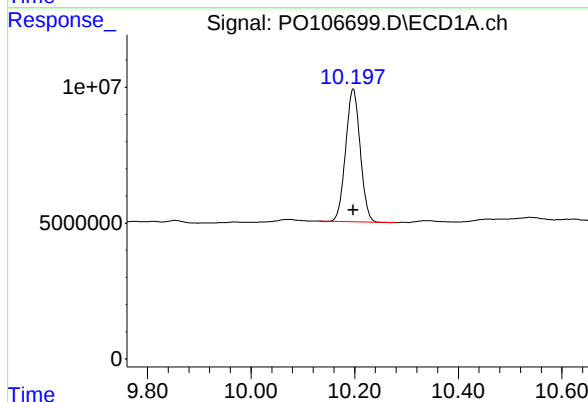
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024



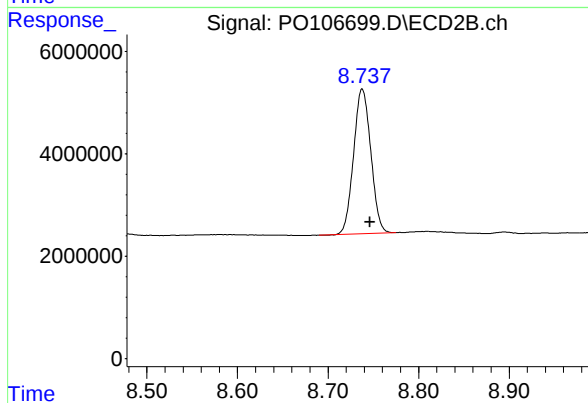
#1 Tetrachloro-m-xylene

R.T.: 3.713 min
Delta R.T.: -0.005 min
Response: 36314254
Conc: 13.59 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.197 min
Delta R.T.: 0.000 min
Response: 95098163
Conc: 19.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.738 min
Delta R.T.: -0.008 min
Response: 37303621
Conc: 18.65 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	09/17/24
Project:	North Point	Date Received:	09/18/24
Client Sample ID:	WC-14-7.5-10A	SDG No.:	P4103
Lab Sample ID:	P4103-10	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	85.5
Sample Wt/Vol:	30.09	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
PO106702.D	1	09/19/24 11:09	09/19/24 18:44	PB163523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.00	U	4.00	19.8	ug/kg
11104-28-2	Aroclor-1221	7.50	U	7.50	19.8	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	19.8	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	19.8	ug/kg
12672-29-6	Aroclor-1248	9.20	U	9.20	19.8	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	19.8	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	19.8	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	19.8	ug/kg
11096-82-5	Aroclor-1260	3.40	U	3.40	19.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	11.2		30 (32) - 150 (144)	56%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.8		30 (32) - 150 (175)	94%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0091924\
 Data File : P0106702.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2024 18:44
 Operator : YP/AJ
 Sample : P4103-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 WC-14-7.5-10A

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
 Supervised By :Ankita Jodhani 09/20/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 20 05:21:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 09:57:51 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
----------	------	------	--------	--------	-------	-------

 System Monitoring Compounds

1) SA Tetrachlo...	4.450	3.713	80581924	29877879	10.742	11.185m
2) SA Decachlor...	10.195	8.737	92821578	37286041	18.779	18.641m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO091924\
Data File : PO106702.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2024 18:44
Operator : YP/AJ
Sample : P4103-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

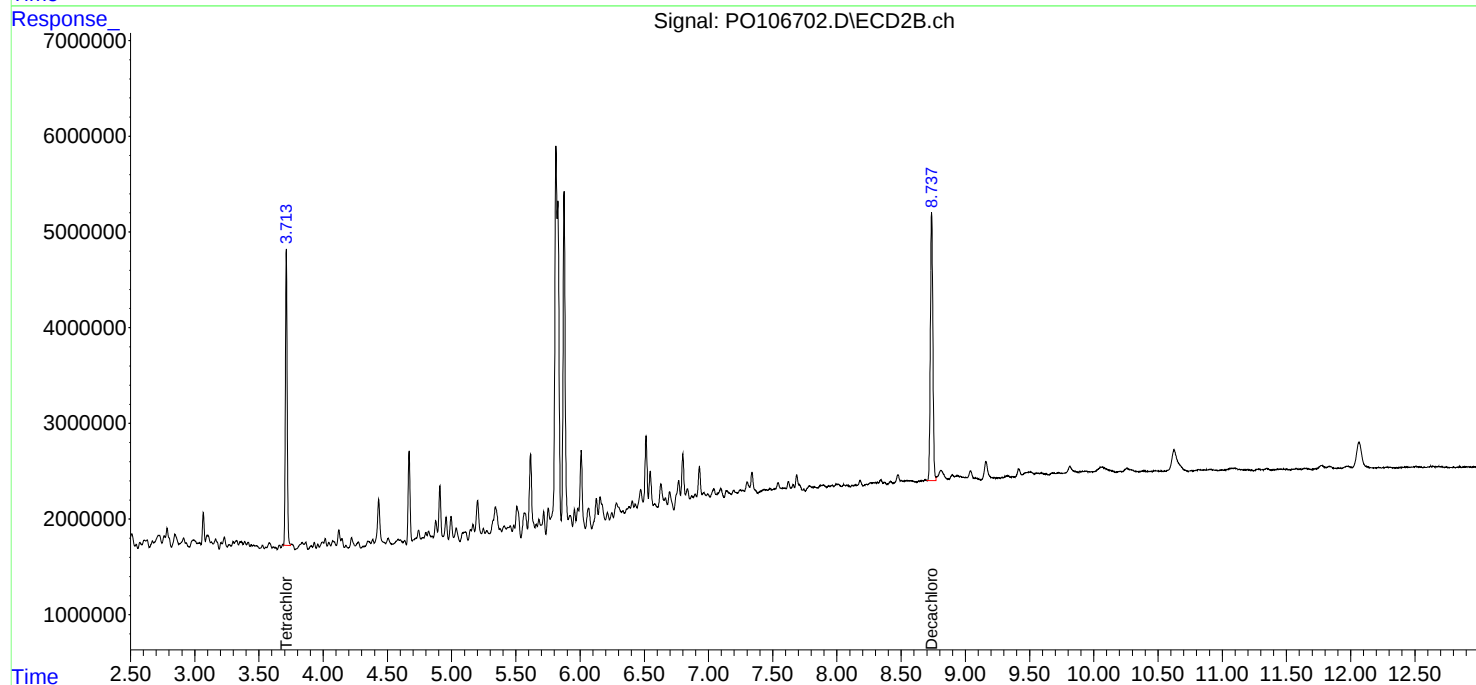
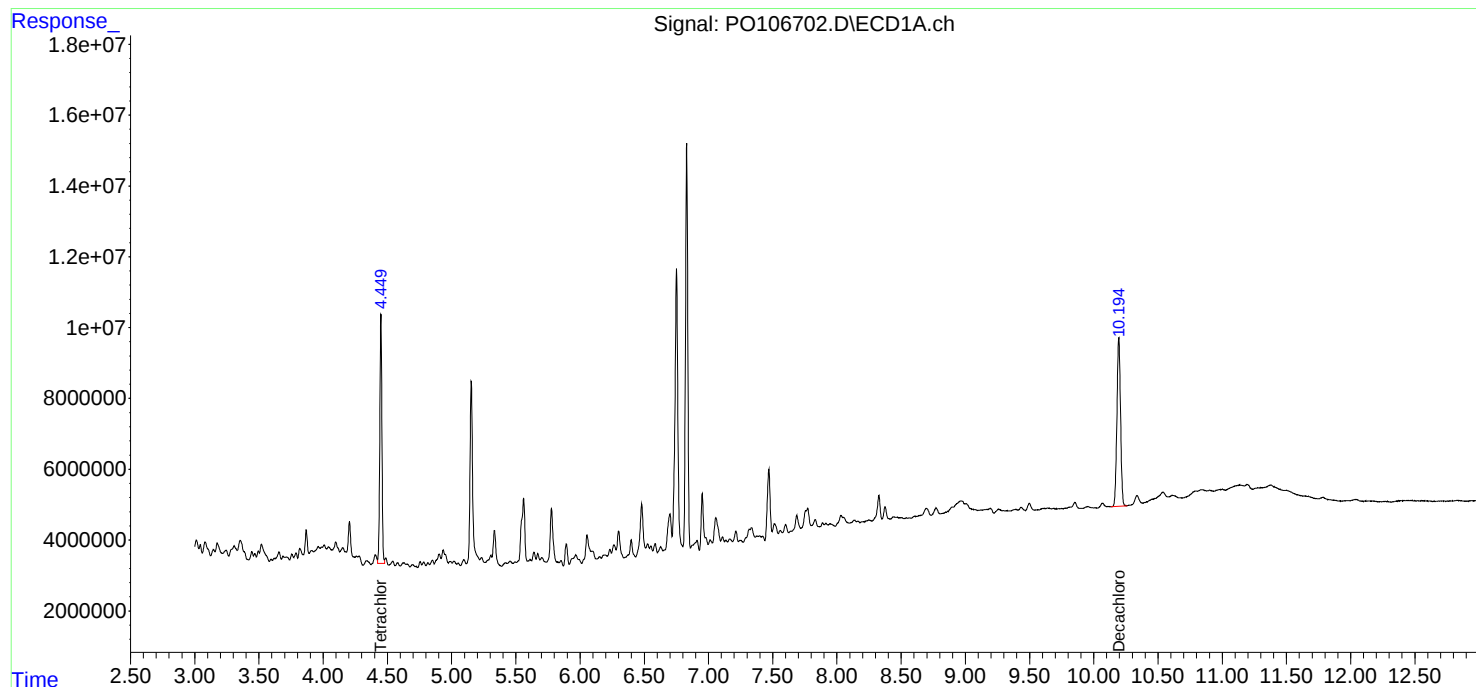
Instrument :
ECD_O
ClientSampleId :
WC-14-7.5-10A

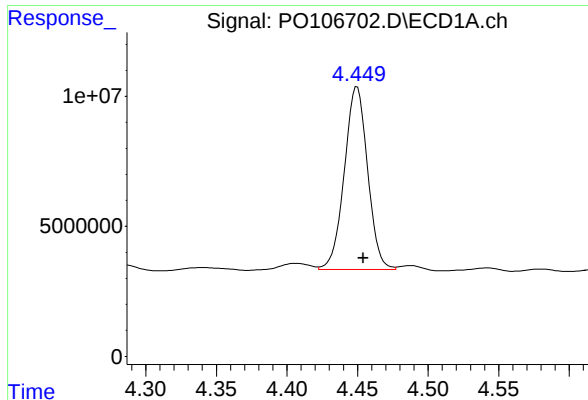
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 05:21:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 09:57:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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





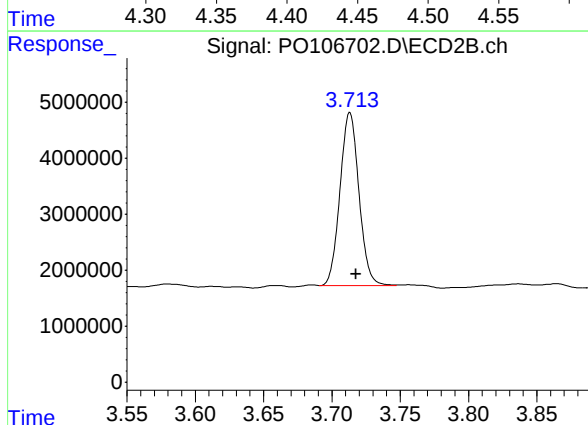
#1 Tetrachloro-m-xylene

R.T.: 4.450 min
Delta R.T.: -0.004 min
Response: 80581924
Conc: 10.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
WC-14-7.5-10A

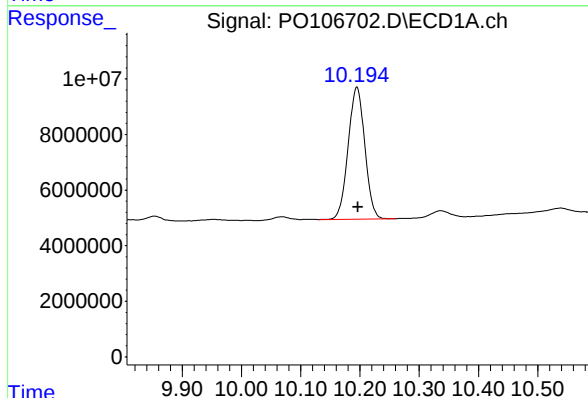
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024



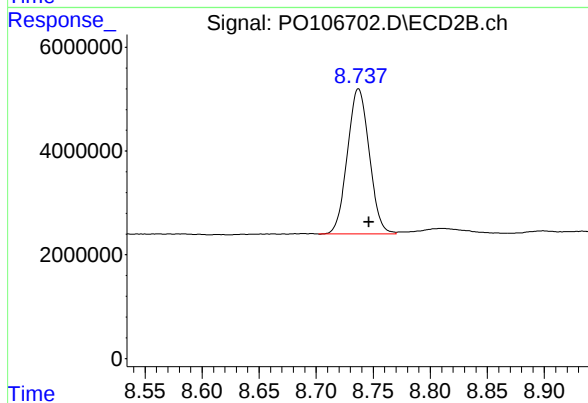
#1 Tetrachloro-m-xylene

R.T.: 3.713 min
Delta R.T.: -0.005 min
Response: 29877879
Conc: 11.19 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.195 min
Delta R.T.: -0.002 min
Response: 92821578
Conc: 18.78 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.737 min
Delta R.T.: -0.010 min
Response: 37286041
Conc: 18.64 ng/ml m

Report of Analysis

Client:	ENTACT	Date Collected:	09/17/24
Project:	North Point	Date Received:	09/18/24
Client Sample ID:	WC-14-7.5-10B	SDG No.:	P4103
Lab Sample ID:	P4103-13	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	88.1
Sample Wt/Vol:	30.01	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
PO106703.D	1	09/19/24 11:09	09/19/24 19:03	PB163523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.80	U	3.80	19.3	ug/kg
11104-28-2	Aroclor-1221	7.30	U	7.30	19.3	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	19.3	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	19.3	ug/kg
12672-29-6	Aroclor-1248	9.00	U	9.00	19.3	ug/kg
11097-69-1	Aroclor-1254	3.10	U	3.10	19.3	ug/kg
37324-23-5	Aroclor-1262	5.20	U	5.20	19.3	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	19.3	ug/kg
11096-82-5	Aroclor-1260	3.30	U	3.30	19.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.6		30 (32) - 150 (144)	83%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.2		30 (32) - 150 (175)	91%	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\P0091924\
 Data File : P0106703.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2024 19:03
 Operator : YP/AJ
 Sample : P4103-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 WC-14-7.5-10B

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
 Supervised By :Ankita Jodhani 09/20/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 20 05:21:52 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 09:57:51 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
----------	------	------	--------	--------	-------	-------

 System Monitoring Compounds

1) SA Tetrachlo...	4.450	3.712	111.5E6	44245763	14.868m	16.564m
2) SA Decachlor...	10.197	8.738	90018882	35946168	18.212	17.971

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO091924\
Data File : PO106703.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2024 19:03
Operator : YP/AJ
Sample : P4103-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

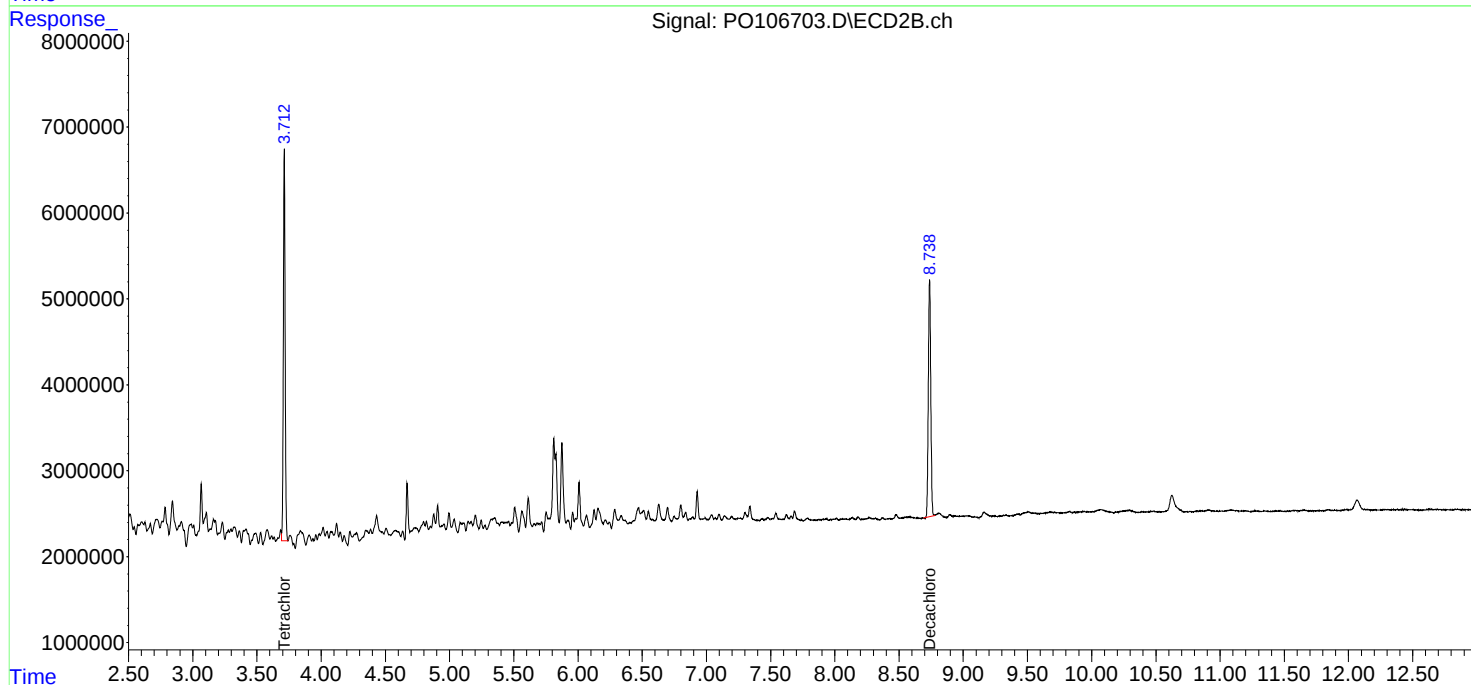
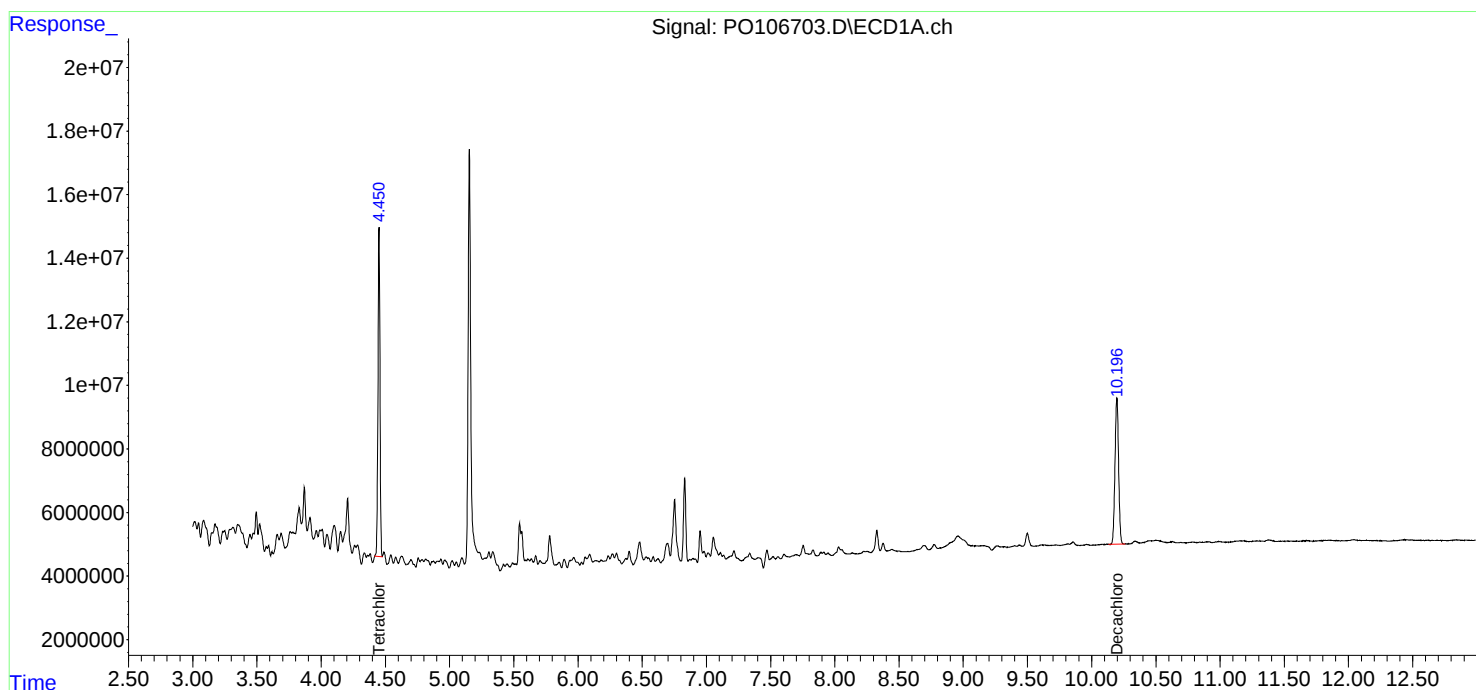
Instrument :
ECD_O
ClientSampleId :
WC-14-7.5-10B

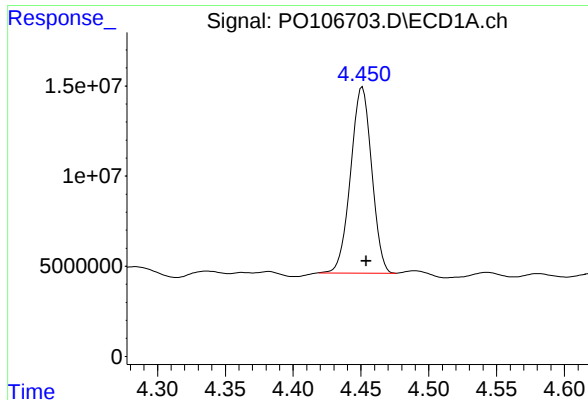
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 05:21:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 09:57:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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





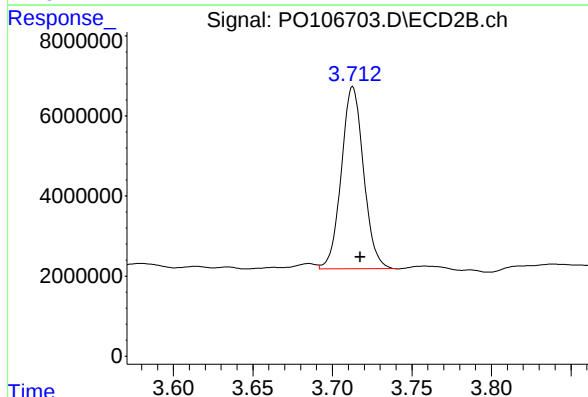
#1 Tetrachloro-m-xylene

R.T.: 4.450 min
Delta R.T.: -0.004 min
Response: 111531779
Conc: 14.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
WC-14-7.5-10B

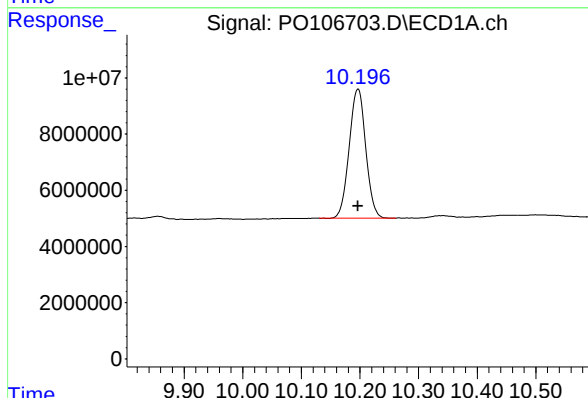
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024



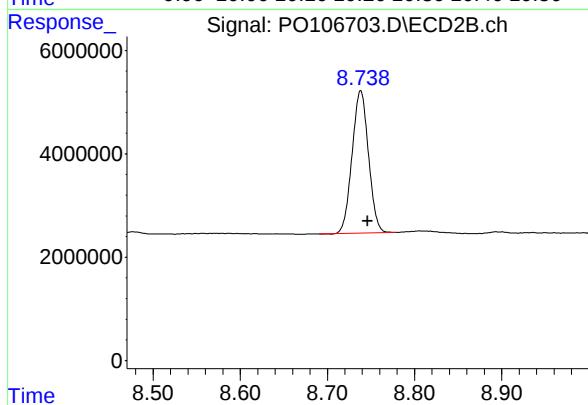
#1 Tetrachloro-m-xylene

R.T.: 3.712 min
Delta R.T.: -0.005 min
Response: 44245763
Conc: 16.56 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.197 min
Delta R.T.: 0.000 min
Response: 90018882
Conc: 18.21 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.738 min
Delta R.T.: -0.008 min
Response: 35946168
Conc: 17.97 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	09/17/24
Project:	North Point	Date Received:	09/18/24
Client Sample ID:	WC-23	SDG No.:	P4103
Lab Sample ID:	P4103-16	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	86
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
PO106709.D	1	09/19/24 11:09	09/19/24 21:35	PB163523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	19.7	ug/kg
11104-28-2	Aroclor-1221	7.40	U	7.40	19.7	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	19.7	ug/kg
53469-21-9	Aroclor-1242	3.90	U	3.90	19.7	ug/kg
12672-29-6	Aroclor-1248	9.20	U	9.20	19.7	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	19.7	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	19.7	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	19.7	ug/kg
11096-82-5	Aroclor-1260	3.40	U	3.40	19.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.9		30 (32) - 150 (144)	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.1		30 (32) - 150 (175)	95%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0091924\
 Data File : P0106709.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2024 21:35
 Operator : YP/AJ
 Sample : P4103-16
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 WC-23

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
 Supervised By :Ankita Jodhani 09/20/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 20 05:24:01 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 09:57:51 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.451	3.713	108.0E6	45191290	14.400	16.918m
2) SA Decachlor...	10.196	8.737	91824199	38105714	18.577	19.051

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO091924\
Data File : PO106709.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2024 21:35
Operator : YP/AJ
Sample : P4103-16
Misc :
ALS Vial : 18 Sample Multiplier: 1

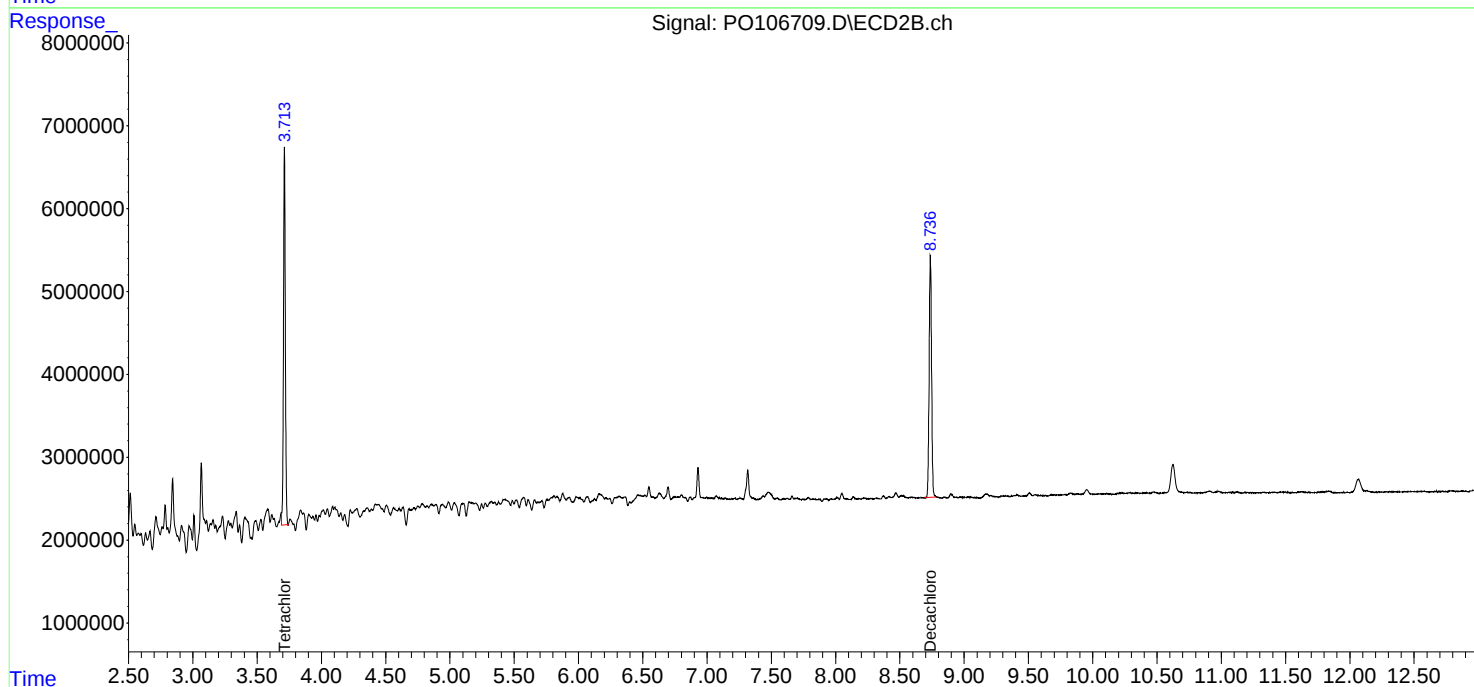
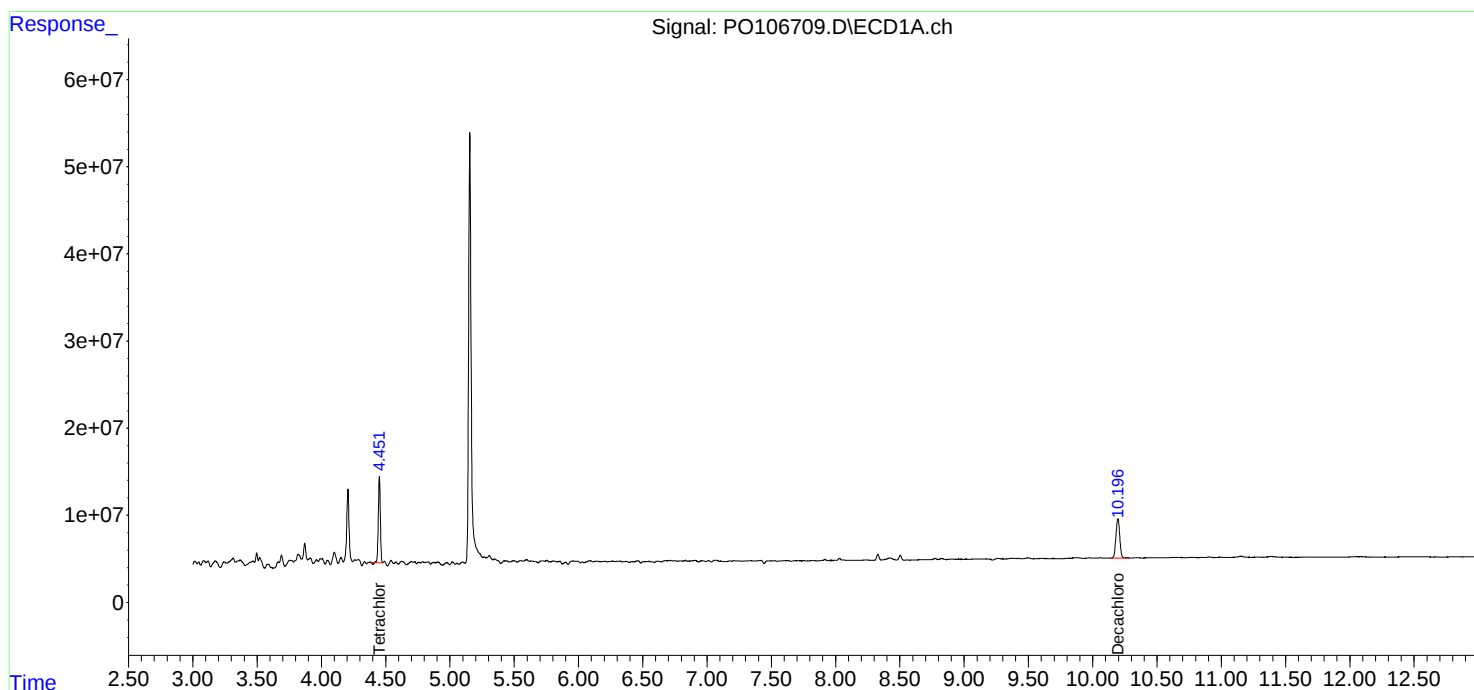
Instrument :
ECD_O
ClientSampleId :
WC-23

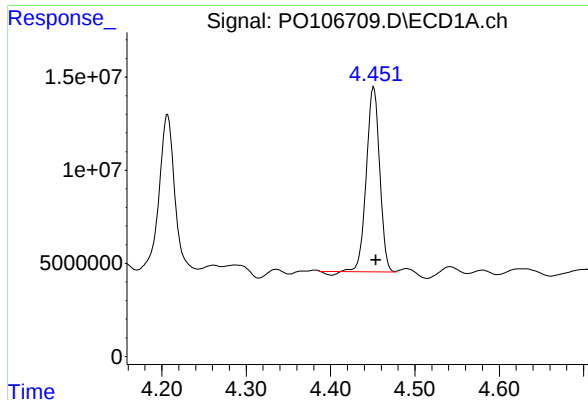
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 05:24:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 09:57:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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





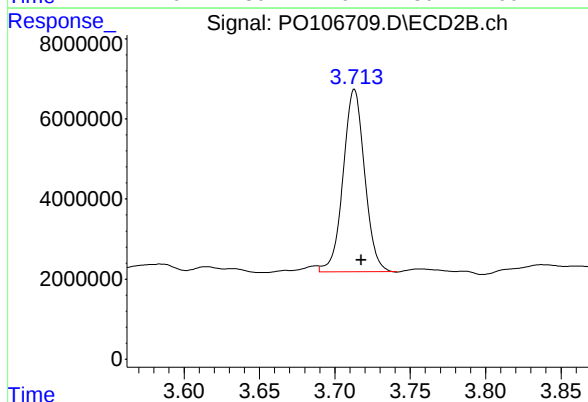
#1 Tetrachloro-m-xylene

R.T.: 4.451 min
Delta R.T.: -0.003 min
Response: 108018696
Conc: 14.40 ng/ml

Instrument :
ECD_O
ClientSampleId :
WC-23

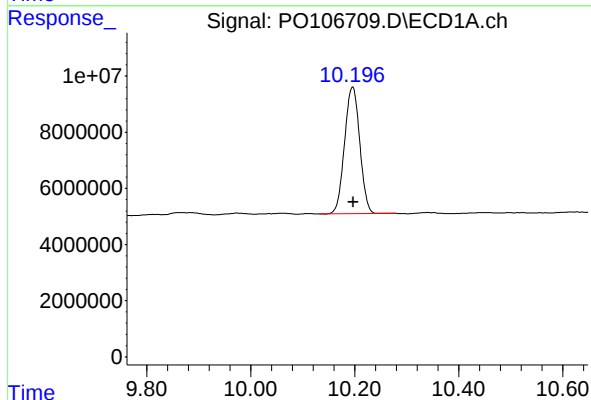
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024



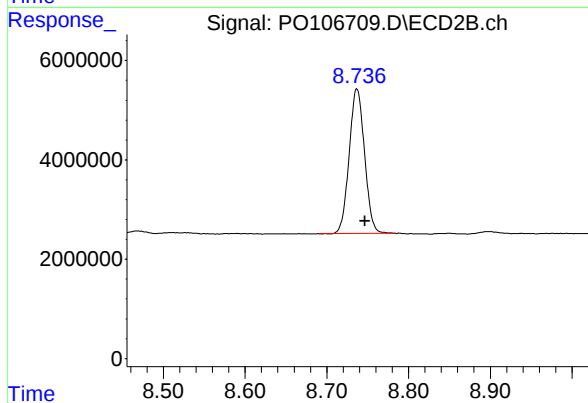
#1 Tetrachloro-m-xylene

R.T.: 3.713 min
Delta R.T.: -0.005 min
Response: 45191290
Conc: 16.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.196 min
Delta R.T.: -0.001 min
Response: 91824199
Conc: 18.58 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.737 min
Delta R.T.: -0.010 min
Response: 38105714
Conc: 19.05 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract:	<u>ENTA05</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>P4103</u>	SAS No.:	<u>P4103</u>	SDG NO.:	<u>P4103</u>
Instrument ID:	<u>ECD_O</u>	Calibration Date(s):		<u>09/09/2024</u>	<u>09/09/2024</u>		
		Calibration Times:		<u>15:31</u>	<u>23:20</u>		

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

LAB FILE ID:	RT 1000 =	<u>PO106314.D</u>	RT 750 =	<u>PO106315.D</u>
	RT 500 =	PO106316.D	RT 250 =	PO106317.D
			RT 050 =	PO106318.D

[illegible]

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Contract:	<u>ENTA05</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>P4103</u>	SAS No.:	<u>P4103</u>	SDG NO.:	<u>P4103</u>
Instrument ID:	<u>ECD_O</u>	Calibration Date(s):		<u>09/09/2024</u>	<u>09/09/2024</u>		
		Calibration Times:		<u>15:31</u>	<u>23:20</u>		

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

LAB FILE ID:	RT 1000 =	<u>PO106314.D</u>	RT 750 =	<u>PO106315.D</u>	
RT 500 =	PO106316.D	RT 250 =	PO106317.D	RT 050 =	PO106318.D

[illegible]

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ENTA05
Lab Code: CHEM **Case No.:** P4103 **SAS No.:** P4103 **SDG NO.:** P4103
Instrument ID: ECD_O **Calibration Date(s):** 09/09/2024 09/09/2024
Calibration Times: 15:31 23:20

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

LAB FILE ID:		CF 1000 = <u>PO106314.D</u>		CF 750 = <u>PO106315.D</u>			
CF 500 = <u>PO106316.D</u>		CF 250 = <u>PO106317.D</u>		CF 050 = <u>PO106318.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	239928119	248167121	259219182	271860560	257915180	255418032
Aroclor-1016-2	(2)	341481158	346187768	361122560	379033564	351928820	355950774
Aroclor-1016-3	(3)	205020969	211339713	221653432	235065776	216659920	217947962
Aroclor-1016-4	(4)	168763233	173394337	181568890	190786792	172293900	177361430
Aroclor-1016-5	(5)	162426767	167456976	175710332	186597140	170758740	172589991
Aroclor-1260-1	(1)	261020913	268325504	281625148	302146892	297558520	282135395
Aroclor-1260-2	(2)	319188905	328456843	339612604	355437804	325390220	333617275
Aroclor-1260-3	(3)	211932153	220293577	231012546	250658924	214663180	225712076
Aroclor-1260-4	(4)	260502419	271959649	284033766	305055680	261823860	276675075
Aroclor-1260-5	(5)	479560976	492777436	508733190	522071608	464996820	493628006
Decachlorobiphenyl		4774835860	4908484413	5065276300	5232954560	4732562800	4942822787
Tetrachloro-m-xylene		7459500160	7521519147	7698717780	7885147440	6941876800	7501352265
Aroclor-1242-1	(1)	185782887	194982053	203773282	211492320	205484940	200303096
Aroclor-1242-2	(2)	257979442	269303840	285012228	290877704	274375780	275509799
Aroclor-1242-3	(3)	159176381	167163812	177119482	181394116	172826000	171535958
Aroclor-1242-4	(4)	130748376	136636909	143719918	146041252	138879160	139205123
Aroclor-1242-5	(5)	130675688	137043259	143362864	145627008	138686360	139079036
Decachlorobiphenyl		4752738400	4923580293	5188069560	5355596920	4988273800	5041651795
Tetrachloro-m-xylene		7449872930	7678514427	7924237800	7868317360	7079372000	7600062903
Aroclor-1248-1	(1)	146113351	152514211	159311126	168548572	163135840	157924620
Aroclor-1248-2	(2)	200351213	209482647	219280734	234892440	220634200	216928247
Aroclor-1248-3	(3)	221131038	229498319	239270204	255887704	248169900	238791433
Aroclor-1248-4	(4)	245431646	253365289	262511248	278982940	272664100	262591045
Aroclor-1248-5	(5)	236852991	244511828	252894108	266183136	253436780	250775769
Decachlorobiphenyl		4952495160	5069894613	5291909420	5507045280	5042567200	5172782335
Tetrachloro-m-xylene		7578795330	7770022680	7852246580	8028101800	7246416200	7695116518
Aroclor-1254-1	(1)	239707081	246195496	258317892	275173024	283646460	260607991
Aroclor-1254-2	(2)	359027838	368734983	385502818	410147512	424828420	389648314
Aroclor-1254-3	(3)	369948841	377131240	393416696	411450192	397553020	389899998
Aroclor-1254-4	(4)	274942992	281201975	292660452	307361848	296780320	290589517
Aroclor-1254-5	(5)	296999995	301886048	313364606	322033144	287418840	304340527
Decachlorobiphenyl		5000262760	5094268093	5306188240	5534415560	5062887200	5199604371
Tetrachloro-m-xylene		7649071130	7748806027	7924979880	8056156920	7222085800	7720219951
Aroclor-1268-1	(1)	724823142	735143456	754124214	771353036	727144840	742517738



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	660679722	669524860	686459946	699346260	647962020	672794562	3
Aroclor-1268-3	(3)	556907316	565732448	579096328	592769904	539015400	566704279	4
Aroclor-1268-4	(4)	242232971	247585040	254908020	260344056	231744420	247362901	5
Aroclor-1268-5	(5)	1842092393	1856956919	1879073274	1895291768	1741752000	1843033271	3
Decachlorobiphenyl		8624599340	8806564587	9071548380	9402721640	8826525000	8946391789	3
Tetrachloro-m-xylene		7665784760	7848207720	8007228740	8012374840	7381472800	7783013772	3

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ENTA05
Lab Code: CHEM **Case No.:** P4103 **SAS No.:** P4103 **SDG NO.:** P4103
Instrument ID: ECD_O **Calibration Date(s):** 09/09/2024 09/09/2024
Calibration Times: 15:31 23:20

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

LAB FILE ID:		CF 1000 = <u>PO106314.D</u>		CF 750 = <u>PO106315.D</u>			
CF 500 = <u>PO106316.D</u>		CF 250 = <u>PO106317.D</u>		CF 050 = <u>PO106318.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	94567629	95760525	98590072	100950940	86394760	95252785
Aroclor-1016-2	(2)	128365691	129681093	132394370	133823092	114792240	127811297
Aroclor-1016-3	(3)	67746516	68909197	70936960	72740012	64580480	68982633
Aroclor-1016-4	(4)	51034120	52342205	54469690	56775580	50915820	53107483
Aroclor-1016-5	(5)	67792580	70101757	72060394	75079000	72144540	71435654
Aroclor-1260-1	(1)	126882520	129557007	133622948	136545780	120014220	129324495
Aroclor-1260-2	(2)	155529024	158264329	163193398	166305052	150253360	158709033
Aroclor-1260-3	(3)	146671539	149660560	153776414	159971932	161147600	154245609
Aroclor-1260-4	(4)	103161978	105745317	109130834	111133304	102411080	106316503
Aroclor-1260-5	(5)	252147643	255734020	261429404	263505820	253295480	257222473
Decachlorobiphenyl		1991338820	2021398053	2060494600	2104574720	1823404000	2000242039
Tetrachloro-m-xylene		2785345760	2775096120	2788179600	2749304280	2258177800	2671220712
Aroclor-1242-1	(1)	71731601	74812415	77281684	77324720	68061420	73842368
Aroclor-1242-2	(2)	96415938	99429505	102872390	102059364	88617840	97879007
Aroclor-1242-3	(3)	51869100	53725476	55681252	56966788	50004700	53649463
Aroclor-1242-4	(4)	50021853	52155827	54535384	56904980	51576220	53038853
Aroclor-1242-5	(5)	65762859	68743264	71842954	72367156	70495880	69842423
Decachlorobiphenyl		1972836760	2055499347	2129637360	2136401600	1867009000	2032276813
Tetrachloro-m-xylene		2771528730	2830969840	2873981120	2757843800	2353389200	2717542538
Aroclor-1248-1	(1)	56436899	57931211	58935946	61115476	54845100	57852926
Aroclor-1248-2	(2)	74576878	76819840	79184936	82661464	77575480	78163720
Aroclor-1248-3	(3)	78365806	80925684	83079928	86924056	81644080	82187911
Aroclor-1248-4	(4)	94966635	97690211	99160208	102204076	96900440	98184314
Aroclor-1248-5	(5)	94802257	97092061	98520132	100854504	93000960	96853983
Decachlorobiphenyl		2074757680	2147716827	2206588200	2265716640	2039284000	2146812669
Tetrachloro-m-xylene		2909085130	2945440400	2916595980	2874351200	2441681600	2817430862
Aroclor-1254-1	(1)	138273062	140773347	144960578	149230932	131049840	140857552
Aroclor-1254-2	(2)	122238485	124464683	128744970	133445632	128146220	127407998
Aroclor-1254-3	(3)	198954202	201573772	206098516	210045156	189970520	201328433
Aroclor-1254-4	(4)	123282317	125073371	128147422	130152300	115552240	124441530
Aroclor-1254-5	(5)	177408286	179817909	184448078	186912292	166966640	179110641
Decachlorobiphenyl		2153698400	2180364667	2237584320	2274873600	1985451400	2166394477
Tetrachloro-m-xylene		2928089420	2932426427	2937481480	2881943800	2411830400	2818354305
Aroclor-1268-1	(1)	362476164	365642585	371553588	372878116	334621540	361434399



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	330814458	332568975	336470282	335257936	298804160	326783162	5
Aroclor-1268-3	(3)	272246559	274052071	277689578	278639424	246614780	269848482	5
Aroclor-1268-4	(4)	113269088	115005208	117357288	118844872	104310520	113757395	5
Aroclor-1268-5	(5)	861075432	863623659	870595686	860577056	752458580	841666083	6
Decachlorobiphenyl		3763960840	3816694480	3901156760	3959467600	3583793200	3805014576	4
Tetrachloro-m-xylene		2946154640	2973270947	2975709680	2895909520	2473153600	2852839677	8



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

Instrument ID: ECD_O Date(s) Analyzed: 09/09/2024 09/09/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.66	4.56	4.76	92387400
		2	4.74	4.64	4.84	70853400
		3	4.82	4.72	4.92	202492000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.82	4.72	4.92	174776000
		2	5.35	5.25	5.45	93281000
		3	5.64	5.54	5.74	163986000
		4	5.80	5.70	5.90	82352600
		5	5.89	5.79	5.99	63489800
Aroclor-1262	500	1	7.75	7.65	7.85	245466000
		2	8.38	8.28	8.48	631080000
		3	8.69	8.59	8.79	439776000
		4	8.78	8.68	8.88	332640000
		5	9.44	9.34	9.54	233792000



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

Instrument ID: ECD_O Date(s) Analyzed: 09/09/2024 09/09/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.93	3.83	4.03	30241600
		2	4.02	3.92	4.12	22637000
		3	4.09	3.99	4.19	71028200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.09	3.99	4.19	60380000
		2	4.83	4.73	4.93	58141200
		3	5.00	4.90	5.10	31152200
		4	5.09	4.99	5.19	27328800
		5	5.26	5.16	5.36	29306800
Aroclor-1262	500	1	6.81	6.71	6.91	98302200
		2	7.10	7.00	7.20	157012000
		3	7.63	7.53	7.73	121709000
		4	7.69	7.59	7.79	236220000
		5	8.19	8.09	8.29	104524000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090924\
 Data File : P0106314.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 15:31
 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: Sep 09 17:52:26 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Sep 09 17:43:40 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.454	3.717	746.0E6	278.5E6	98.422	99.949
2) SA Decachlor...	10.198	8.747	477.5E6	199.1E6	97.048	98.293
Target Compounds						
3) L1 AR-1016-1	5.618	4.806	239.9E6	94567629	961.352	979.175
4) L1 AR-1016-2	5.640	4.826	341.5E6	128.4E6	972.045	984.550
5) L1 AR-1016-3	5.702	5.002	205.0E6	67746516	961.018	976.995
6) L1 AR-1016-4	5.801	5.043	168.8E6	51034120	963.447	967.437
7) L1 AR-1016-5	6.095	5.258	162.4E6	67792580	960.715	969.484
31) L7 AR-1260-1	7.219	6.292	261.0E6	126.9E6	962.030	974.126
32) L7 AR-1260-2	7.475	6.479	319.2E6	155.5E6	968.999	975.953
33) L7 AR-1260-3	7.834	6.634	211.9E6	146.7E6	956.924	976.352
34) L7 AR-1260-4	8.059	7.107	260.5E6	103.2E6	956.786	971.884
35) L7 AR-1260-5	8.379	7.345	479.6E6	252.1E6	970.482	981.927

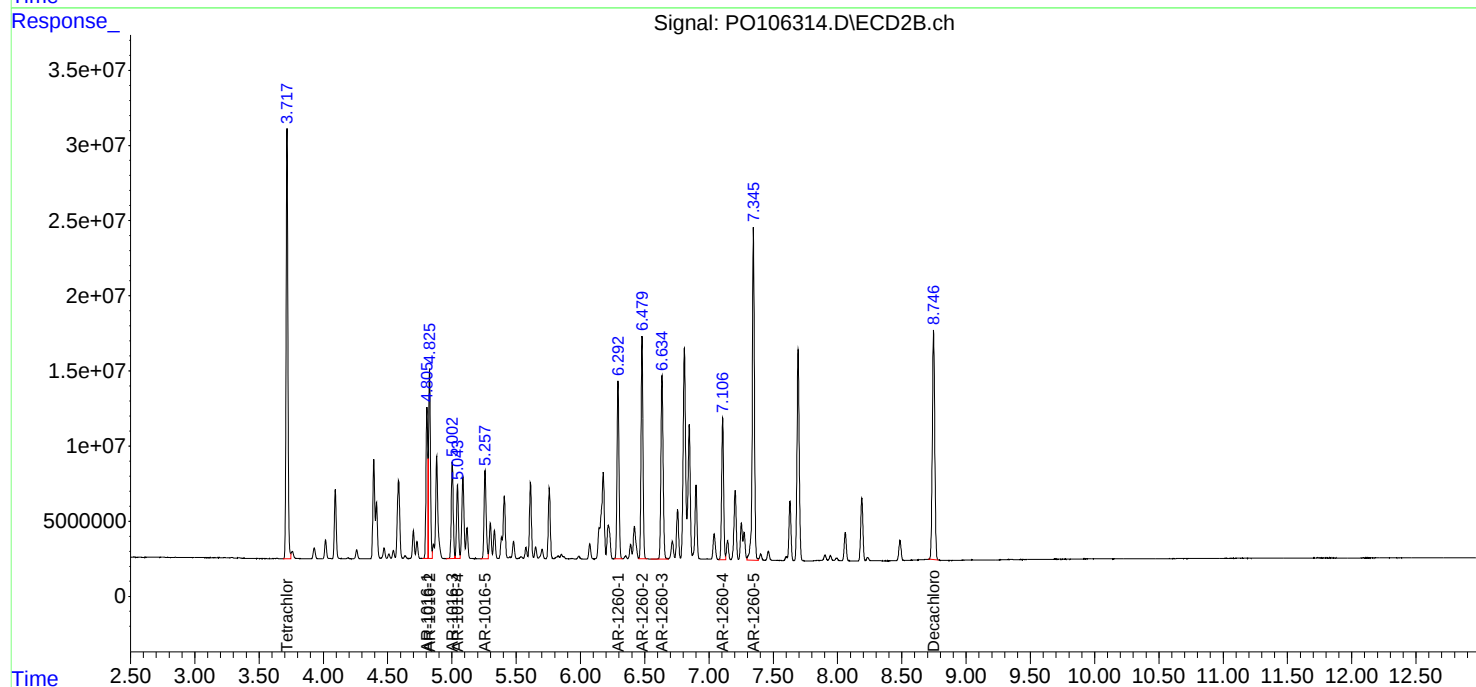
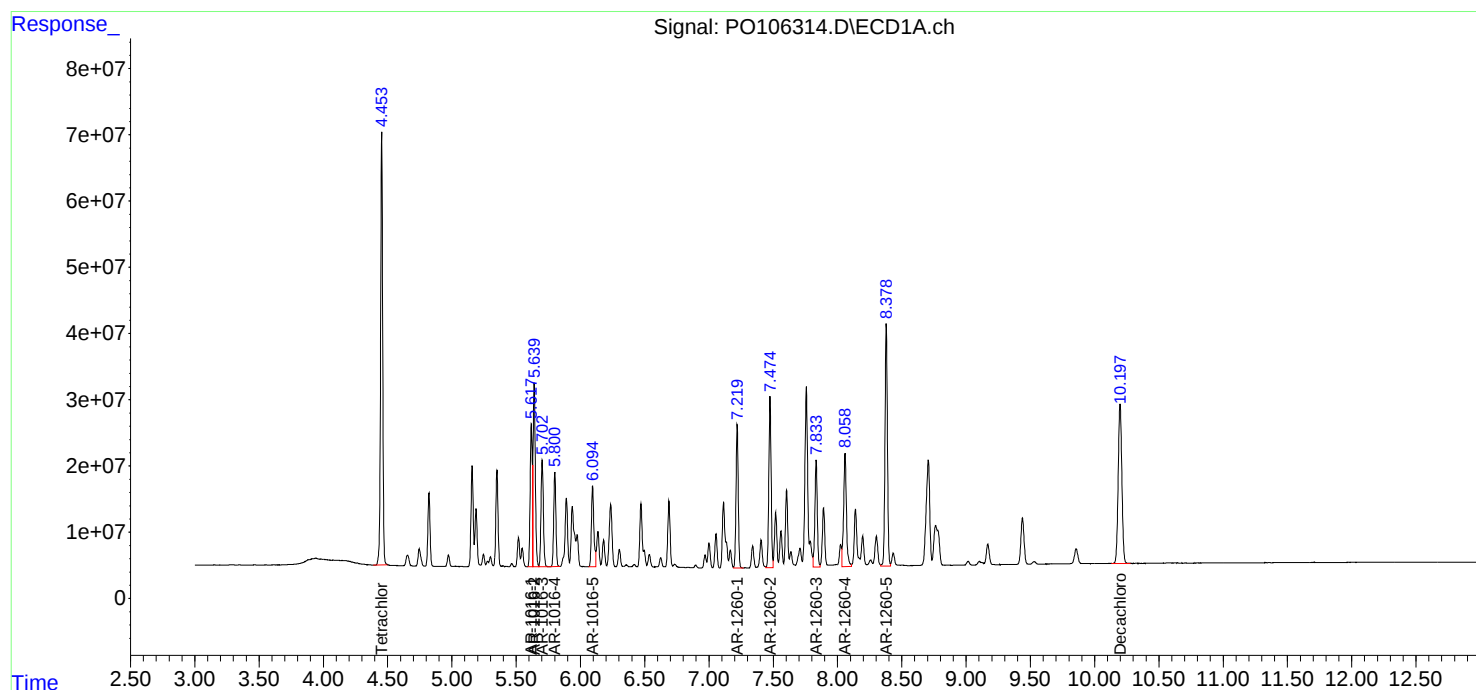
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106314.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 15:31
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: Sep 09 17:52:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Sep 09 17:43:40 2024
Response via : 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\P0090924\
 Data File : P0106315.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 15:49
 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: Sep 09 17:54:55 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Sep 09 17:43:40 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.454	3.717	564.1E6	208.1E6	74.619	74.790
2) SA Decachlor...	10.198	8.746	368.1E6	151.6E6	74.882	74.888
Target Compounds						
3) L1 AR-1016-1	5.618	4.806	186.1E6	71820394	747.177	745.751
4) L1 AR-1016-2	5.641	4.826	259.6E6	97260820	742.686	747.315
5) L1 AR-1016-3	5.703	5.003	158.5E6	51681898	745.304	746.875
6) L1 AR-1016-4	5.801	5.043	130.0E6	39256654	744.926	746.107
7) L1 AR-1016-5	6.095	5.258	125.6E6	52576318	745.219	751.252
31) L7 AR-1260-1	7.220	6.293	201.2E6	97167755	744.456	747.325
32) L7 AR-1260-2	7.475	6.479	246.3E6	118.7E6	748.566	746.551
33) L7 AR-1260-3	7.834	6.635	165.2E6	112.2E6	747.334	748.122
34) L7 AR-1260-4	8.059	7.107	204.0E6	79308988	749.433	748.108
35) L7 AR-1260-5	8.380	7.346	369.6E6	191.8E6	748.613	747.944

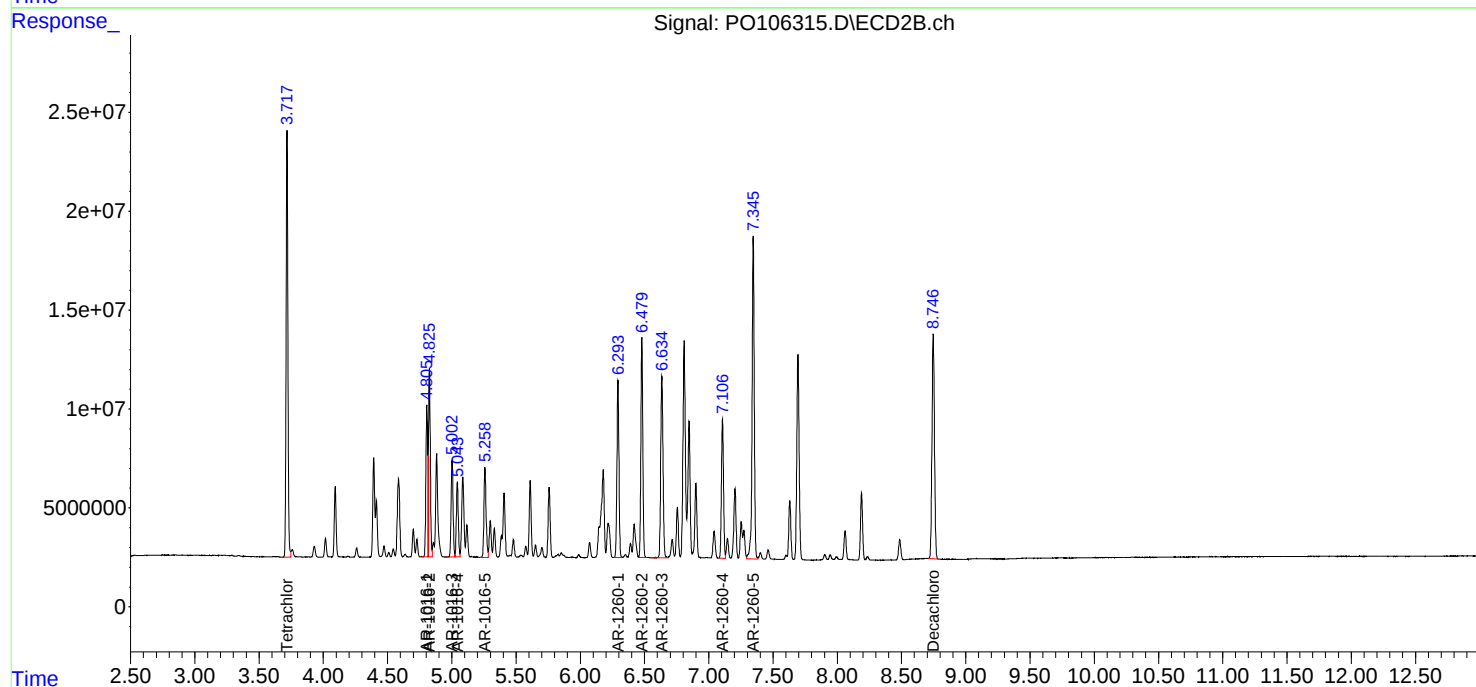
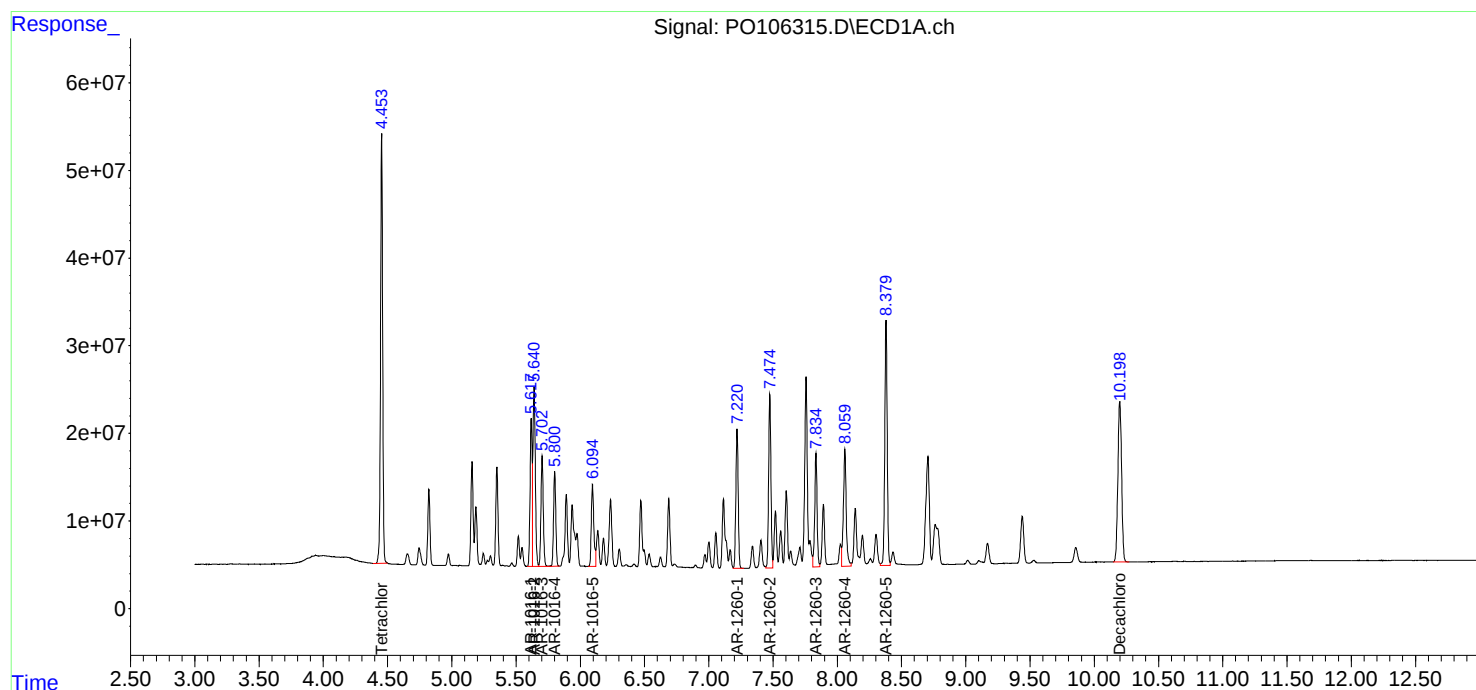
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106315.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 15:49
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: Sep 09 17:54:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Sep 09 17:43:40 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\P0090924\
 Data File : P0106316.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 16:06
 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: Sep 09 17:43:57 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Sep 09 17:43:40 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.454	3.717	384.9E6	139.4E6	50.000	50.000
2) SA Decachlor...	10.197	8.746	253.3E6	103.0E6	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	5.617	4.806	129.6E6	49295036	500.000	500.000
4) L1 AR-1016-2	5.640	4.826	180.6E6	66197185	500.000	500.000
5) L1 AR-1016-3	5.702	5.003	110.8E6	35468480	500.000	500.000
6) L1 AR-1016-4	5.801	5.043	90784445	27234845	500.000	500.000
7) L1 AR-1016-5	6.095	5.258	87855166	36030197	500.000	500.000
31) L7 AR-1260-1	7.219	6.293	140.8E6	66811474	500.000	500.000
32) L7 AR-1260-2	7.475	6.480	169.8E6	81596699	500.000	500.000
33) L7 AR-1260-3	7.834	6.634	115.5E6	76888207	500.000	500.000
34) L7 AR-1260-4	8.059	7.107	142.0E6	54565417	500.000	500.000
35) L7 AR-1260-5	8.379	7.345	254.4E6	130.7E6	500.000	500.000

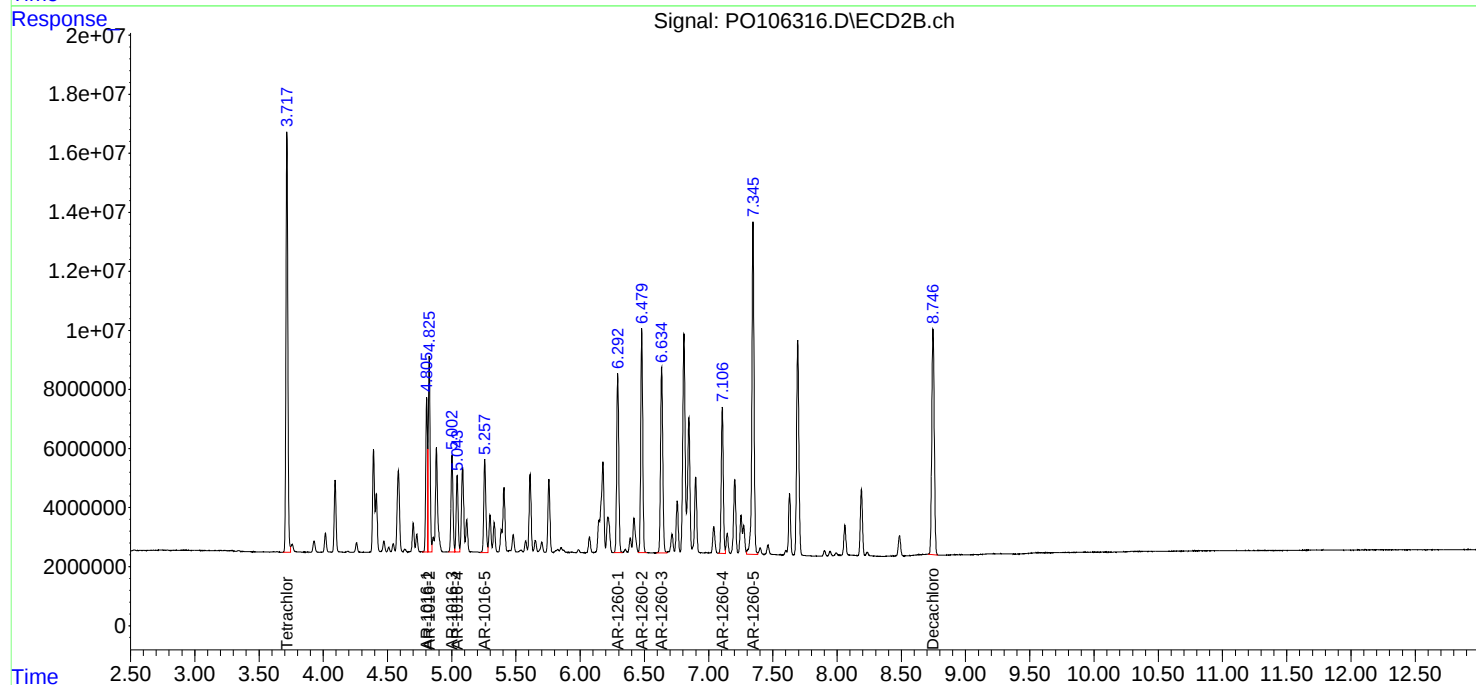
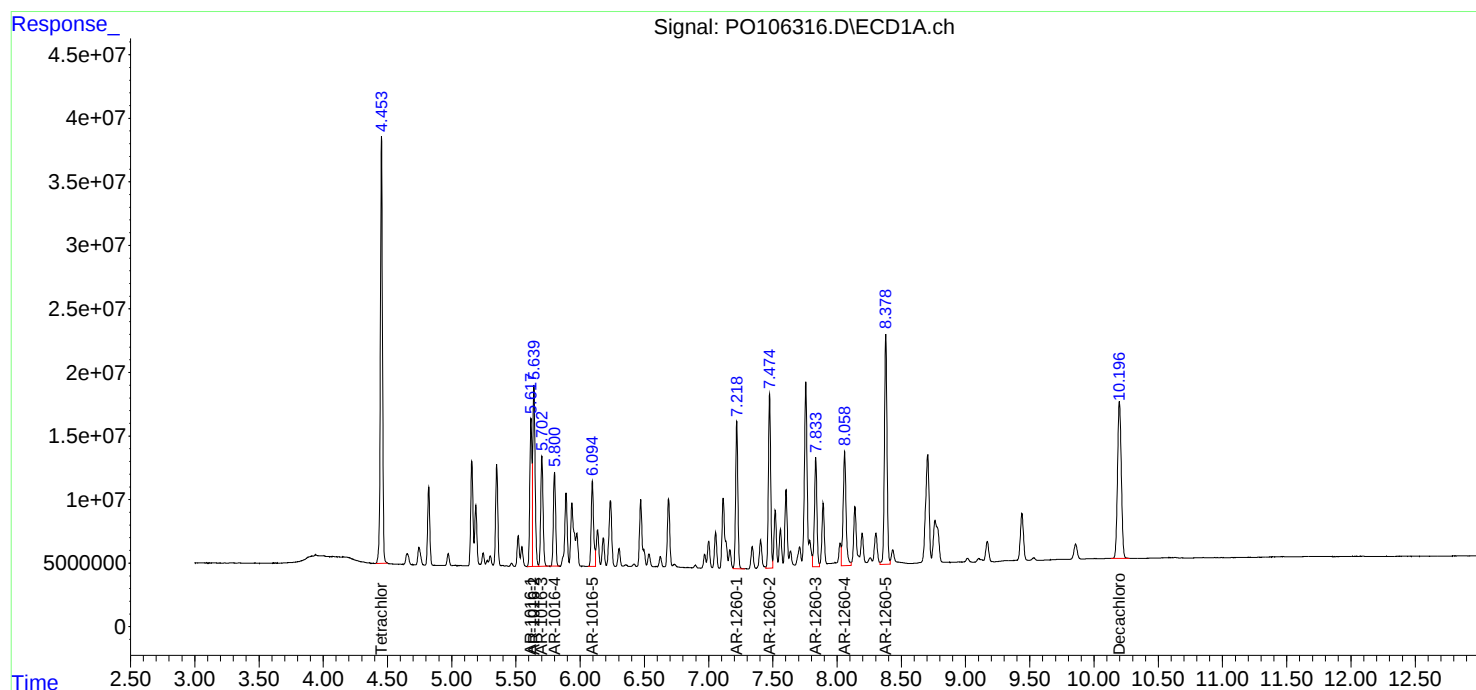
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106316.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 16:06
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: Sep 09 17:43:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Sep 09 17:43:40 2024
Response via : 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\P0090924\
 Data File : P0106317.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 16:23
 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: Sep 09 17:57:25 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Sep 09 17:43:40 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.454	3.718	197.1E6	68732607	25.798	24.773
2) SA Decachlor...	10.198	8.746	130.8E6	52614368	26.189	25.735
Target Compounds						
3) L1 AR-1016-1	5.618	4.806	67965140	25237735	266.746	258.935
4) L1 AR-1016-2	5.640	4.826	94758391	33455773	265.462	255.259
5) L1 AR-1016-3	5.702	5.003	58766444	18185003	269.237	259.477
6) L1 AR-1016-4	5.800	5.043	47696698	14193895	267.016	264.538
7) L1 AR-1016-5	6.095	5.259	46649285	18769750	269.575	263.404
31) L7 AR-1260-1	7.219	6.293	75536723	34136445	271.442	259.293
32) L7 AR-1260-2	7.474	6.480	88859451	41576263	264.719	258.522
33) L7 AR-1260-3	7.833	6.635	62664731	39992983	274.275	262.214
34) L7 AR-1260-4	8.059	7.107	76263920	27783326	271.994	258.949
35) L7 AR-1260-5	8.379	7.346	130.5E6	65876455	260.626	255.133

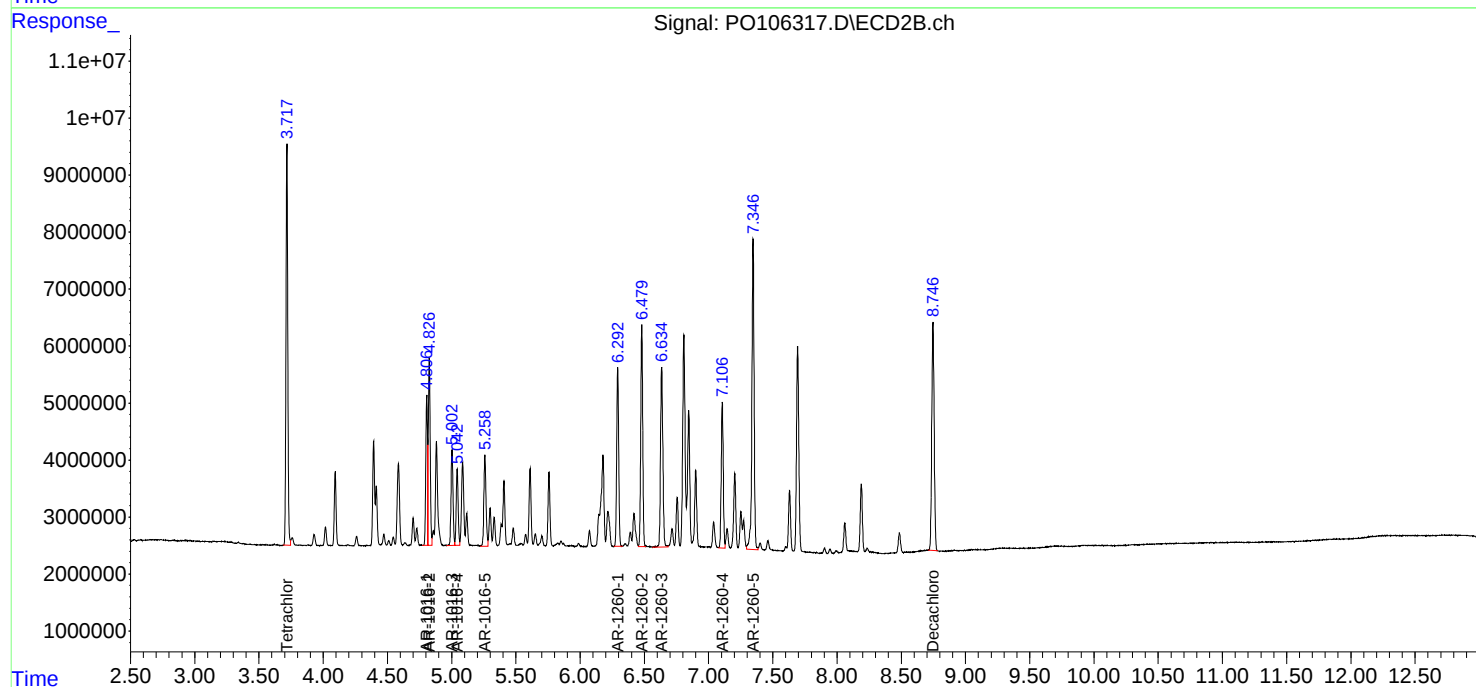
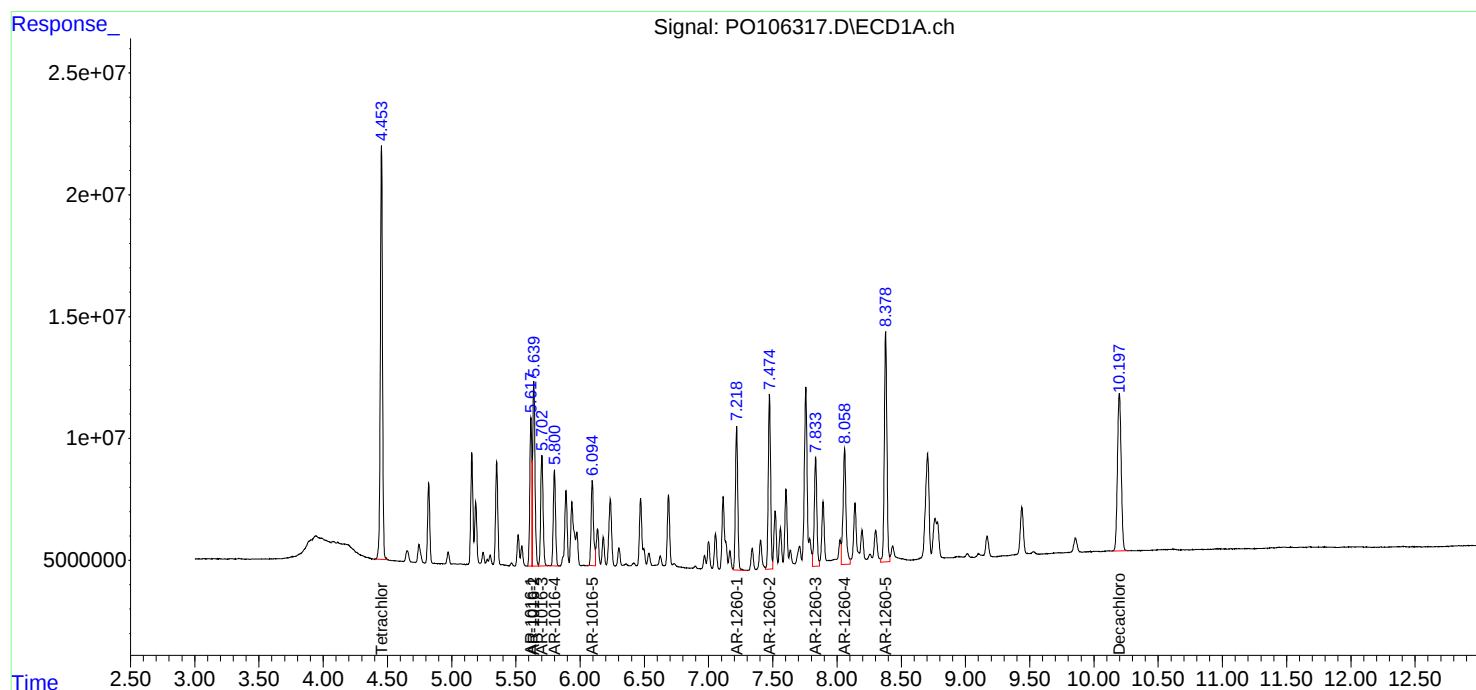
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106317.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 16:23
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: Sep 09 17:57:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Sep 09 17:43:40 2024
Response via : 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\P0090924\
 Data File : P0106318.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 16:41
 Operator : YP/AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 18:00:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Sep 09 17:43:40 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.453	3.717	34709384	11290889	4.627	4.227
2) SA Decachlor...	10.198	8.746	23662814	9117020	4.787	4.558
Target Compounds						
3) L1 AR-1016-1	5.617	4.805	12895759	4319738	50.489	45.350
4) L1 AR-1016-2	5.640	4.825	17596441	5739612	49.435	44.907
5) L1 AR-1016-3	5.702	5.002	10832996	3229024	49.705	46.809
6) L1 AR-1016-4	5.800	5.042	8614695	2545791	48.571	47.937
7) L1 AR-1016-5	6.094	5.258	8537937	3607227	49.469	50.496
31) L7 AR-1260-1	7.218	6.292	14877926	6000711	52.733	46.400
32) L7 AR-1260-2	7.473	6.479	16269511	7512668	48.767	47.336
33) L7 AR-1260-3	7.832	6.634	10733159	8057380	47.657m	52.237
34) L7 AR-1260-4	8.057	7.106	13091193	5120554	47.521m	48.163
35) L7 AR-1260-5	8.376	7.345	23249841	12664774	47.056m	49.237

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106318.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 16:41
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

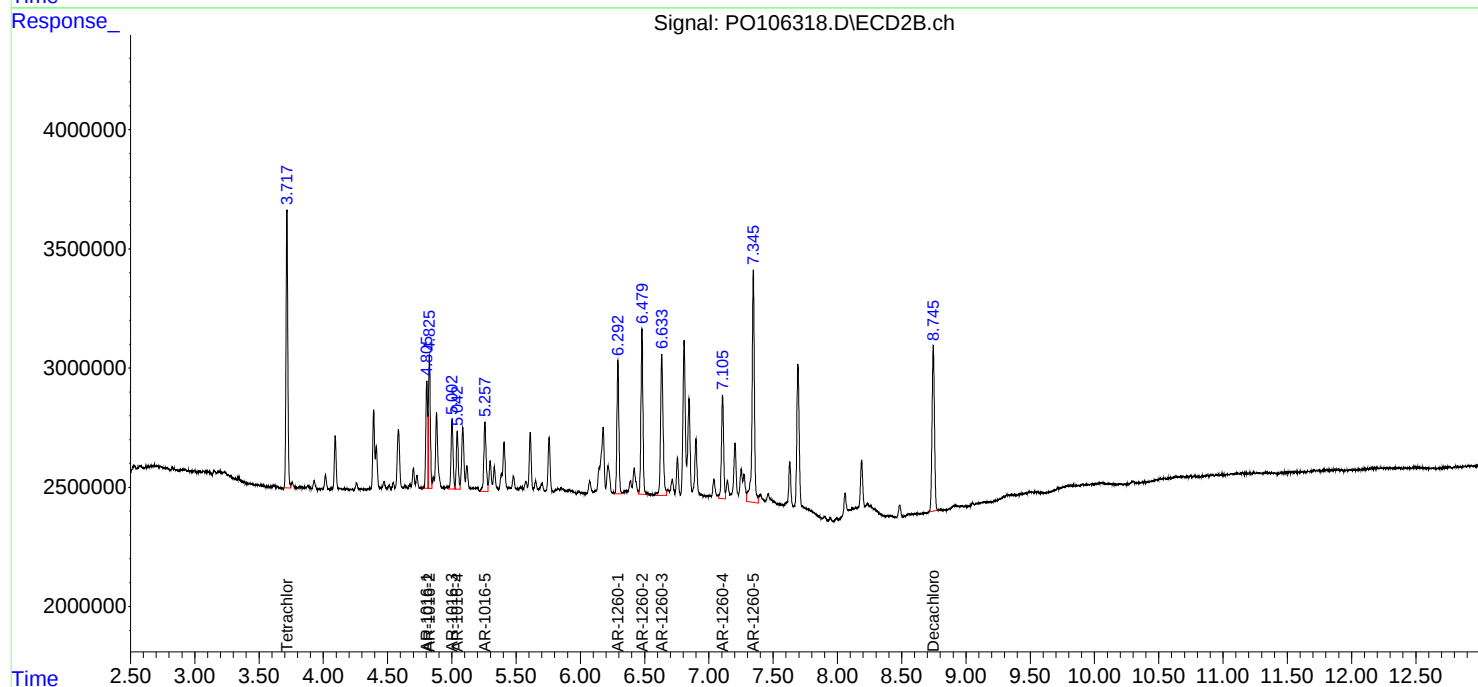
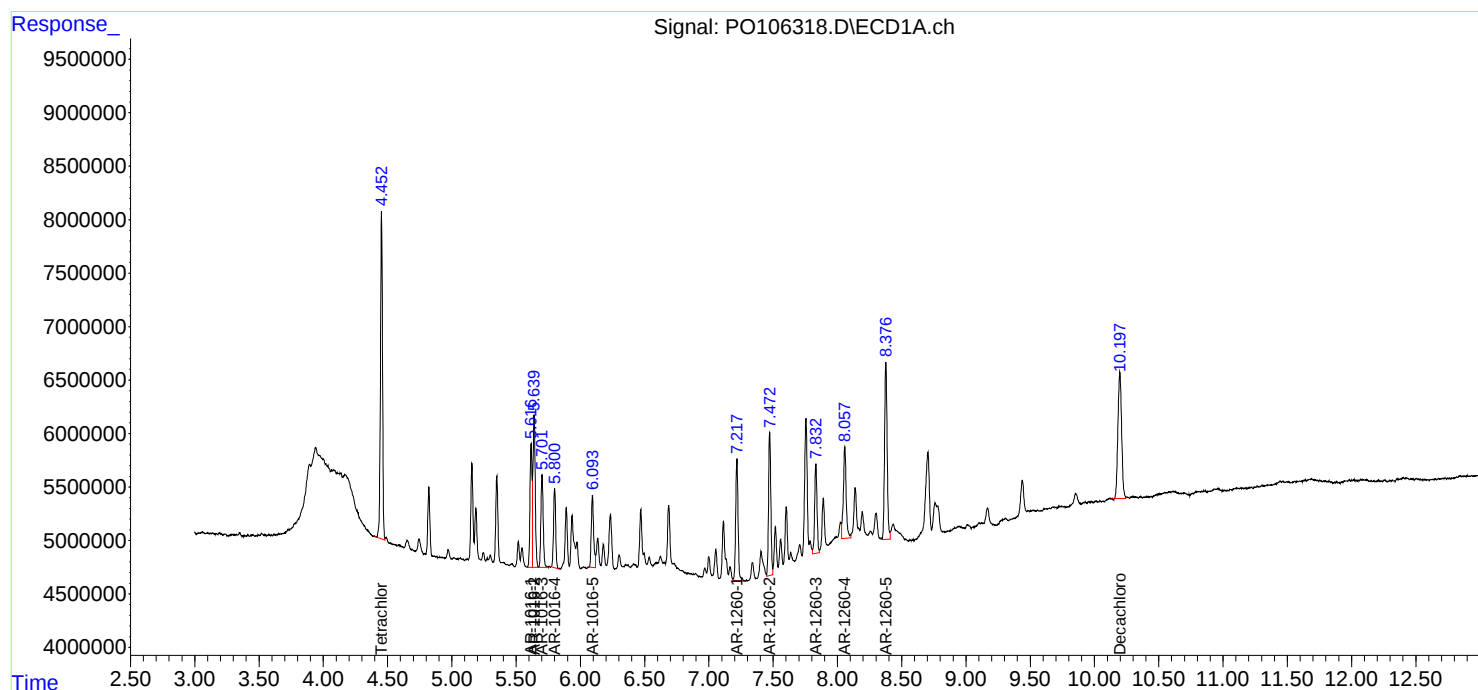
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 18:00:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Sep 09 17:43:40 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\P0090924\
 Data File : P0106319.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 16:58
 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: Sep 10 03:14:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 03:13:21 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.454	3.717	375.8E6	132.5E6	50.000	50.000
2) SA Decachlor...	10.198	8.746	242.5E6	98996016	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	4.659	3.930	46193662	15120760	500.000	500.000
9) L2 AR-1221-2	4.744	4.016	35426699	11318547	500.000	500.000
10) L2 AR-1221-3	4.821	4.093	101.2E6	35514093	500.000	500.000

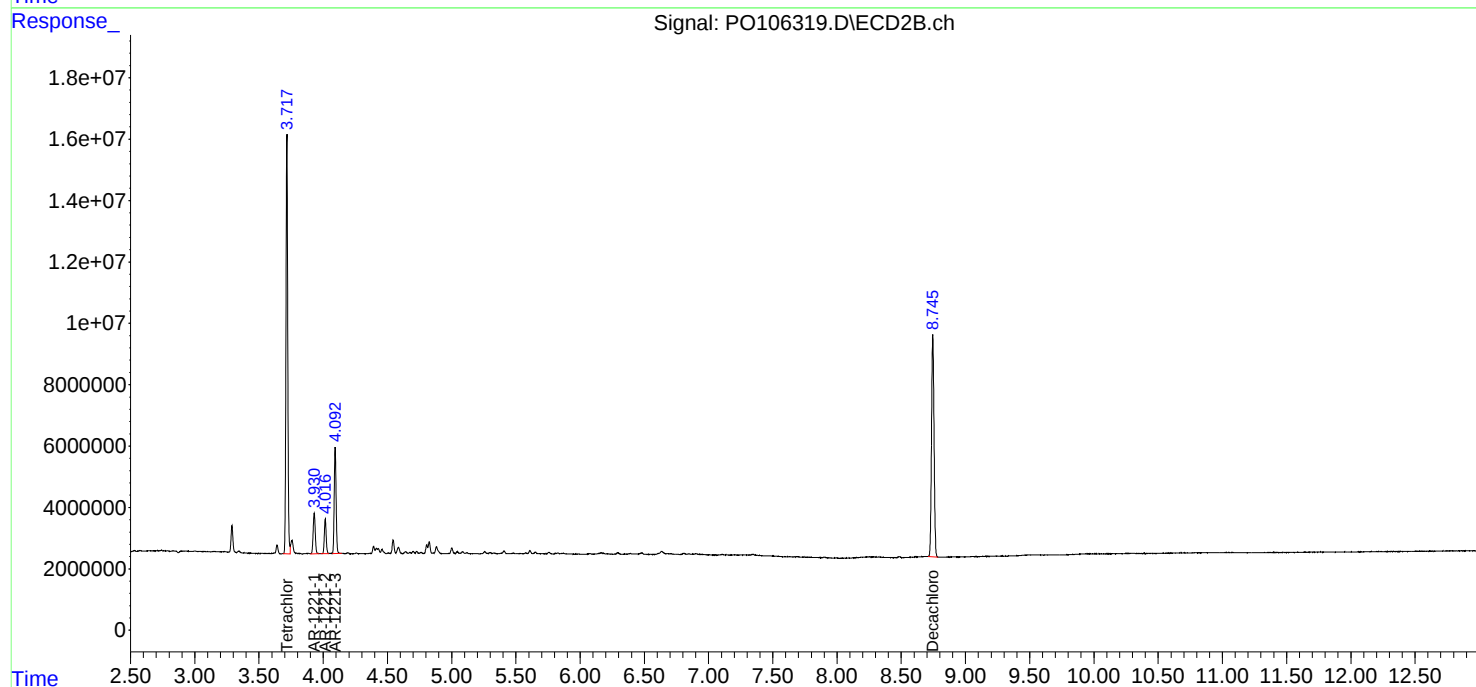
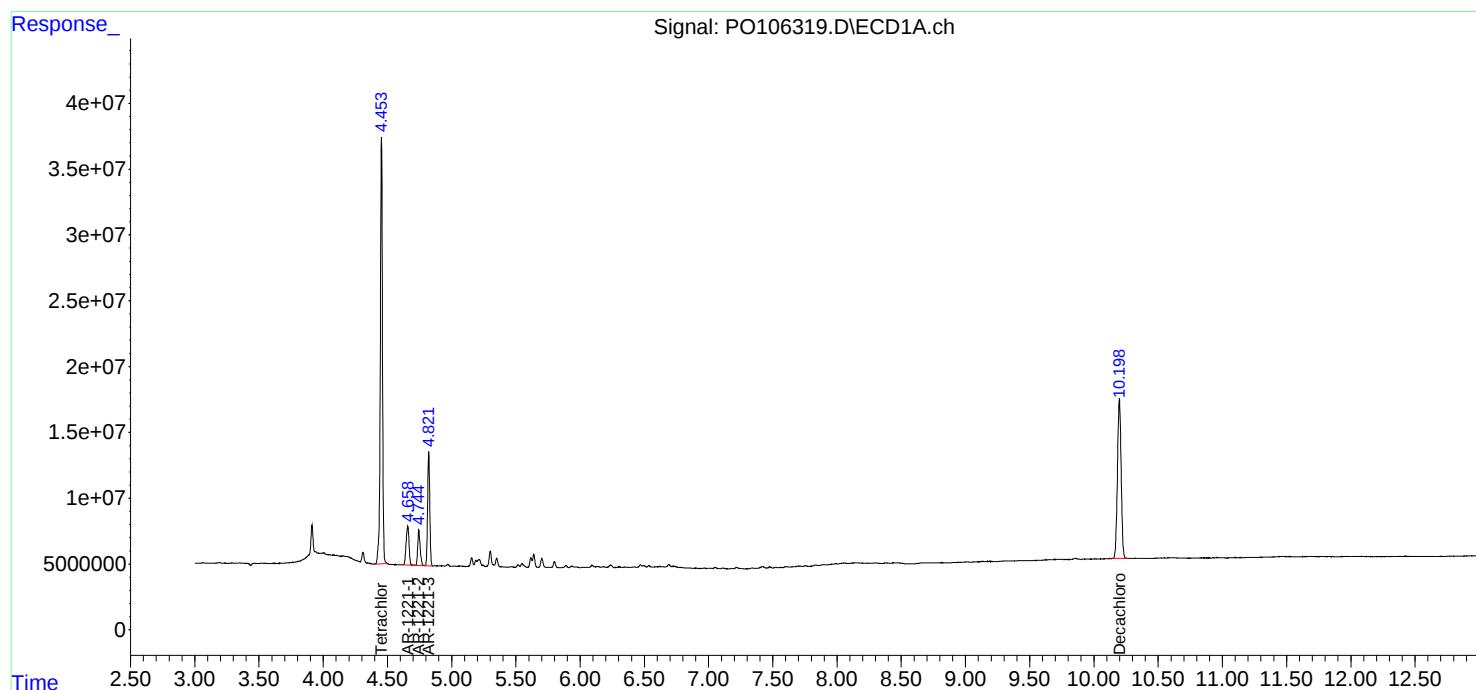
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106319.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 16:58
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: Sep 10 03:14:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 03:13:21 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090924\
 Data File : P0106320.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 17:15
 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: Sep 10 03:39:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 03:36:14 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...	4.454	3.717	394.9E6	140.6E6	50.000	50.000
2) SA Decachlor...	10.198	8.747	260.9E6	106.9E6	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	4.821	4.093	87387828	30190038	500.000	500.000
12) L3 AR-1232-2	5.351	4.826	46640502	29070564	500.000	500.000
13) L3 AR-1232-3	5.640	5.002	81993230	15576124	500.000	500.000
14) L3 AR-1232-4	5.801	5.085	41176341	13664416	500.000	500.000
15) L3 AR-1232-5	5.890	5.258	31744887	14653367	500.000	500.000

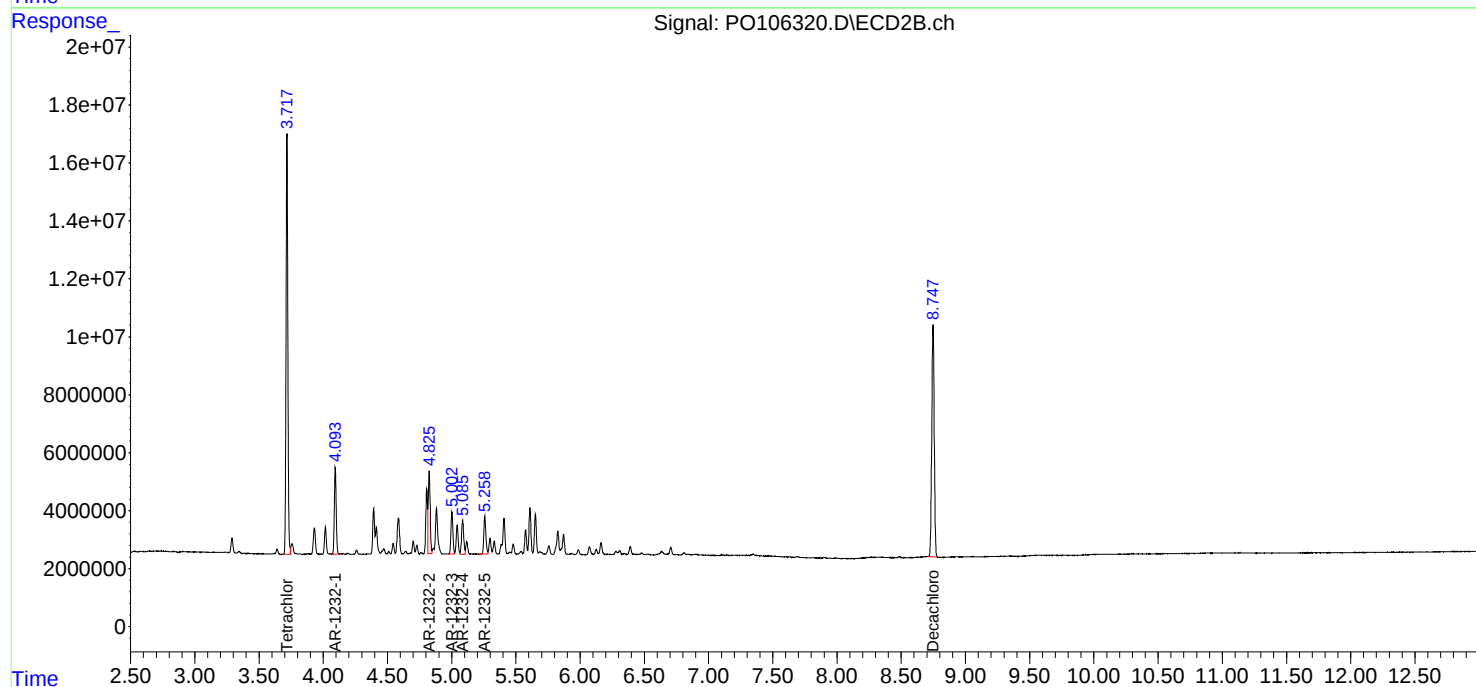
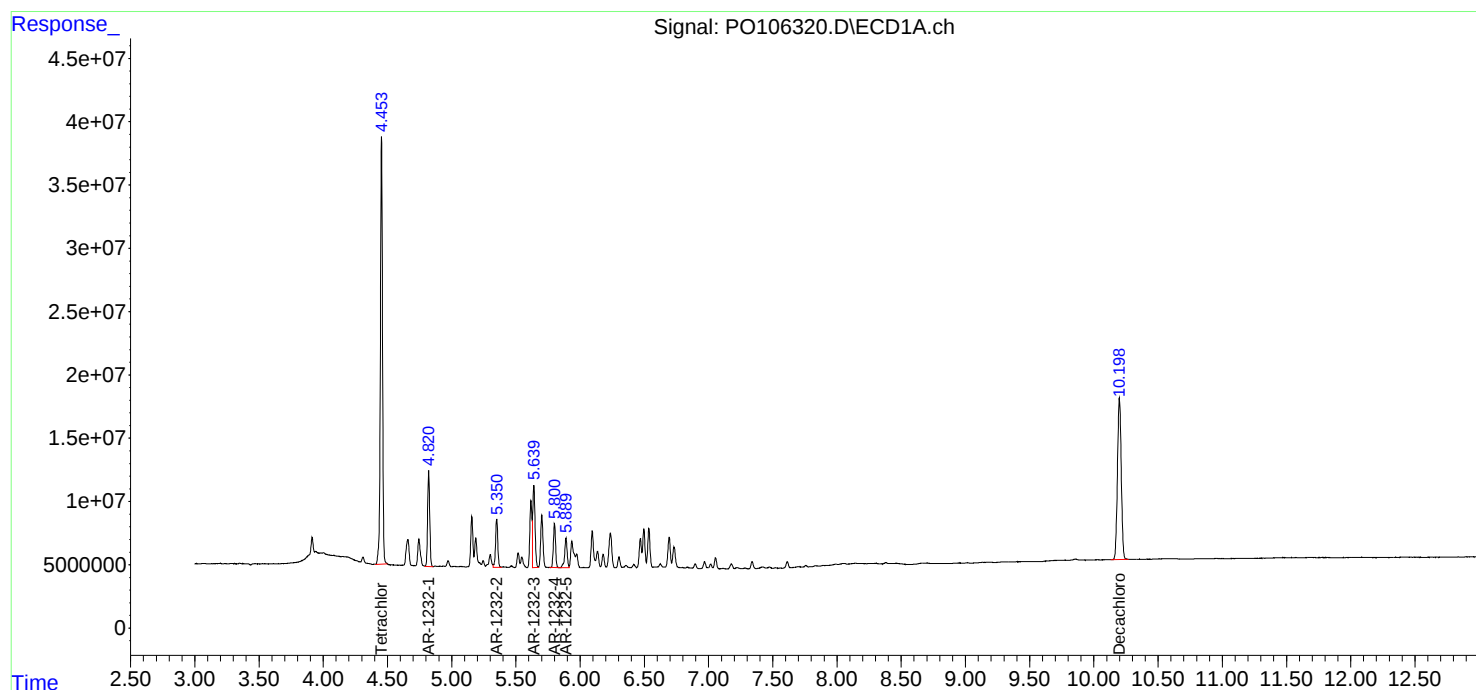
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106320.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 17:15
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: Sep 10 03:39:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 03:36:14 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\P0090924\
 Data File : P0106321.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 17:33
 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: Sep 10 03:46:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 03:43:03 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.453	3.716	745.0E6	277.2E6	94.014	96.435
2) SA Decachlor...	10.197	8.745	475.3E6	197.3E6	91.609	92.637
Target Compounds						
16) L4 AR-1242-1	5.617	4.805	185.8E6	71731601	911.714	928.184
17) L4 AR-1242-2	5.640	4.825	258.0E6	96415938	905.152	937.238
18) L4 AR-1242-3	5.701	5.001	159.2E6	51869100	898.695	931.536
19) L4 AR-1242-4	5.800	5.084	130.7E6	50021853	909.744	917.237
20) L4 AR-1242-5	6.536	5.609	130.7E6	65762859	911.503	915.370

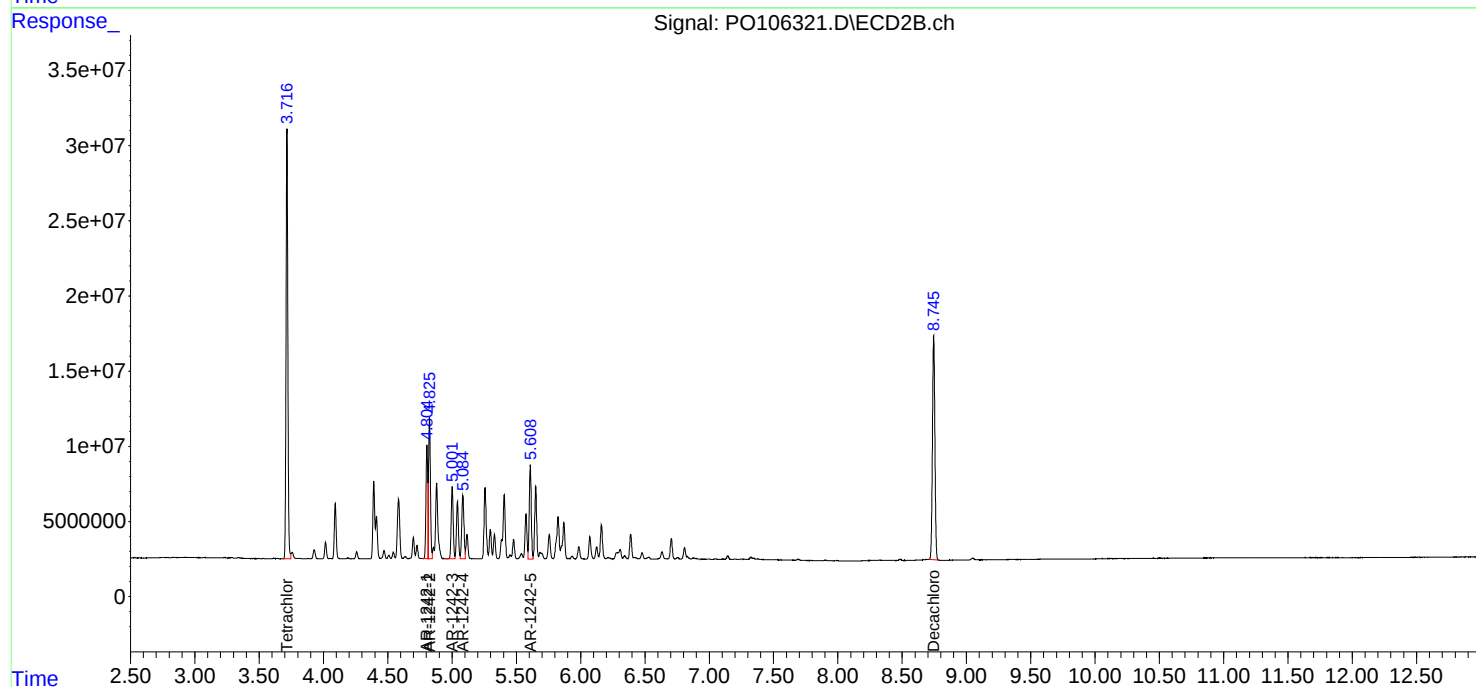
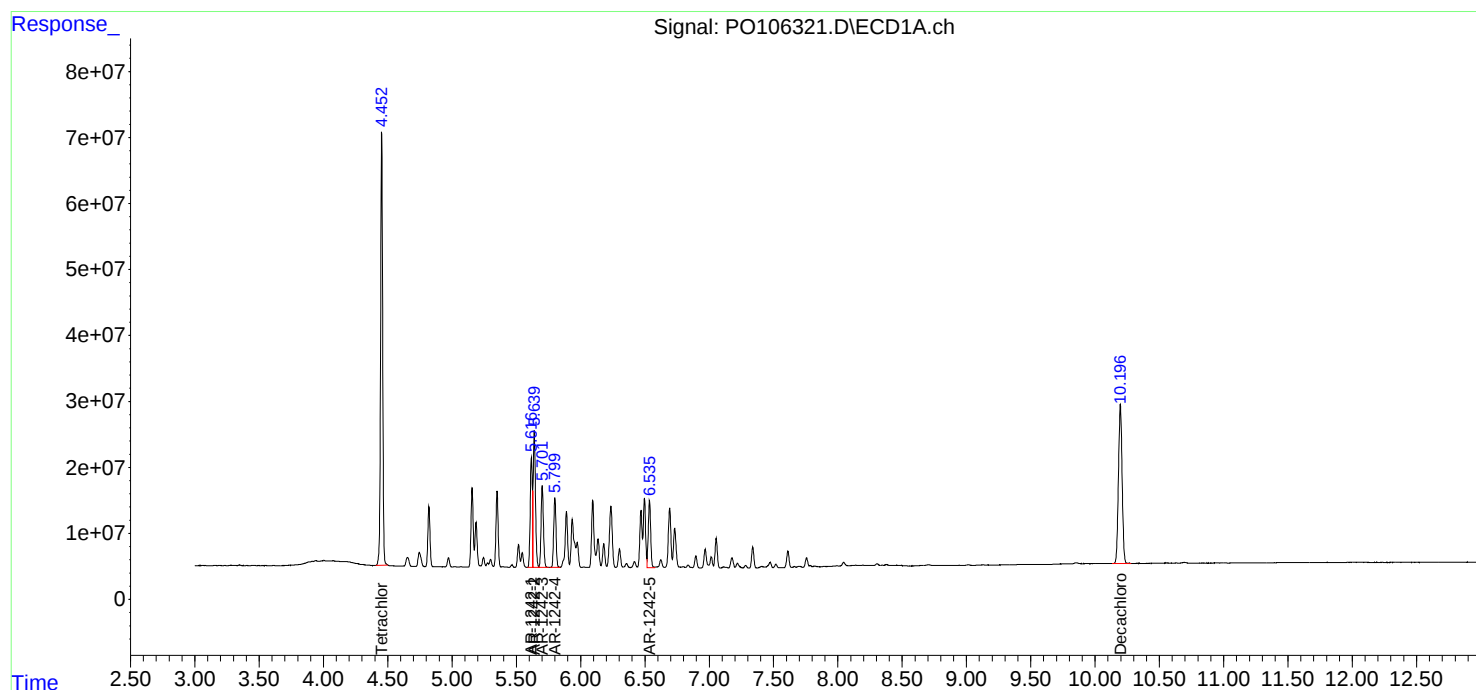
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106321.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 17:33
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: Sep 10 03:46:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 03:43:03 2024
Response via : 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\P0090924\
 Data File : P0106322.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 17:50
 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: Sep 10 03:47:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 03:43:03 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.454	3.717	575.9E6	212.3E6	74.917	75.218
2) SA Decachlor...	10.198	8.746	369.3E6	154.2E6	74.293	75.156
Target Compounds						
16) L4 AR-1242-1	5.618	4.805	146.2E6	56109311	750.785	753.078
17) L4 AR-1242-2	5.640	4.825	202.0E6	74572129	743.945	748.384
18) L4 AR-1242-3	5.702	5.003	125.4E6	40294107	745.610	749.307
19) L4 AR-1242-4	5.801	5.085	102.5E6	39116870	746.736	748.238
20) L4 AR-1242-5	6.535	5.610	102.8E6	51557448	750.131	749.350

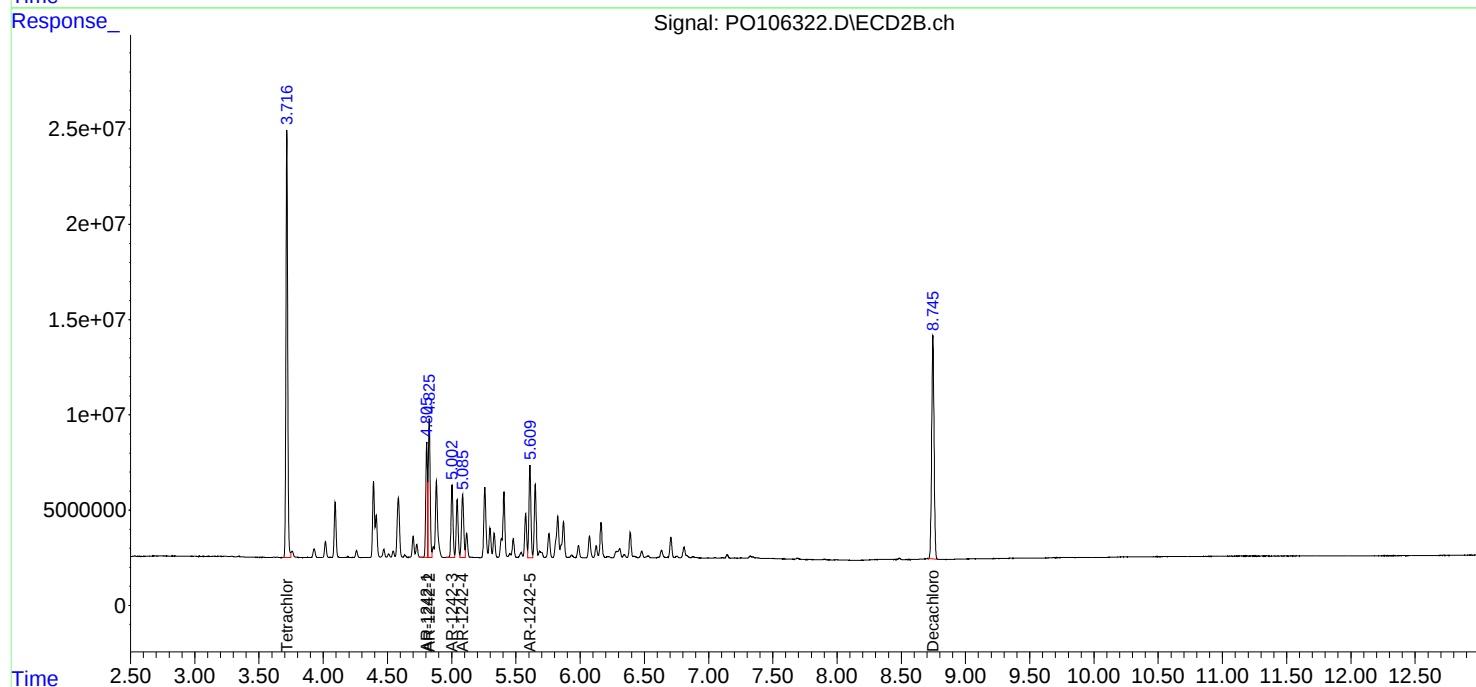
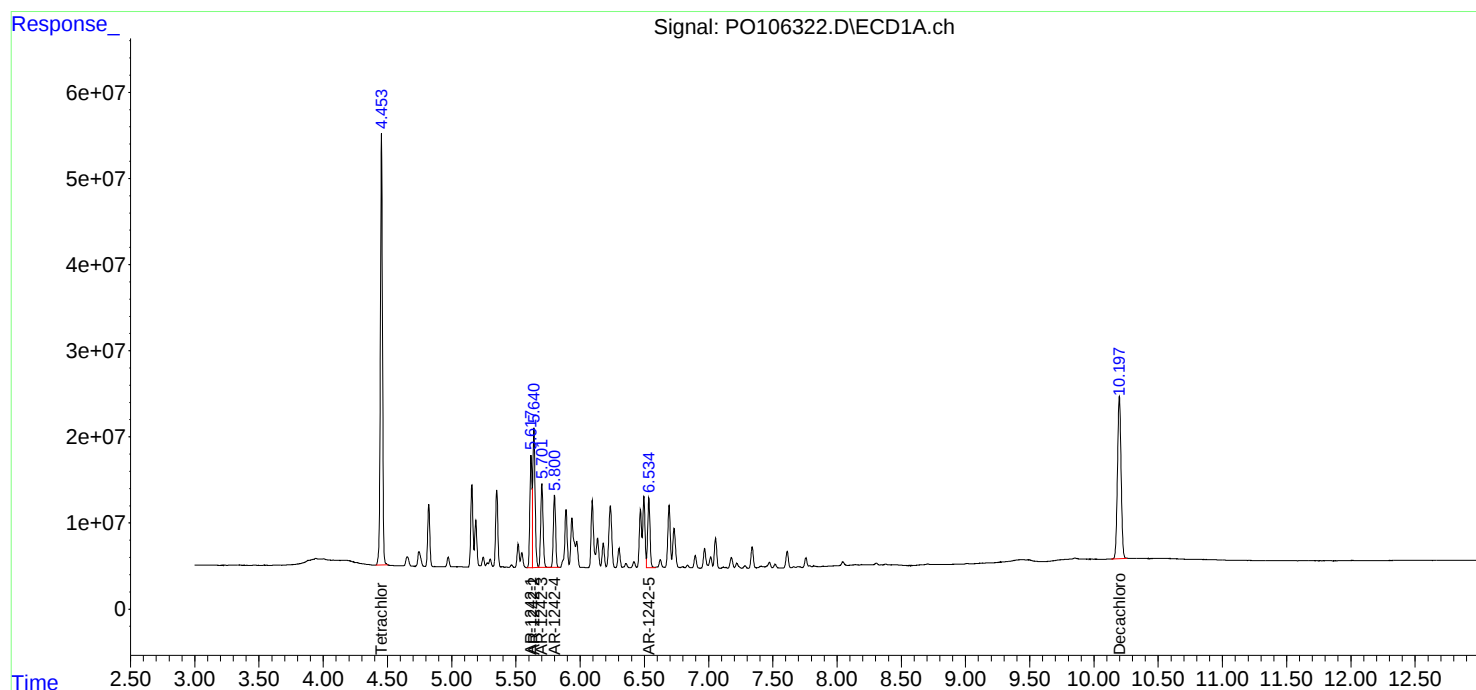
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106322.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 17:50
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: Sep 10 03:47:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 03:43:03 2024
Response via : 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\P0090924\
 Data File : P0106323.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 18:07
 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: Sep 10 03:44:46 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 03:43:03 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.453	3.717	396.2E6	143.7E6	50.000	50.000
2) SA Decachlor...	10.197	8.746	259.4E6	106.5E6	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	5.617	4.805	101.9E6	38640842	500.000	500.000
17) L4 AR-1242-2	5.640	4.825	142.5E6	51436195	500.000	500.000
18) L4 AR-1242-3	5.702	5.002	88559741	27840626	500.000	500.000
19) L4 AR-1242-4	5.800	5.085	71859959	27267692	500.000	500.000
20) L4 AR-1242-5	6.535	5.609	71681432	35921477	500.000	500.000

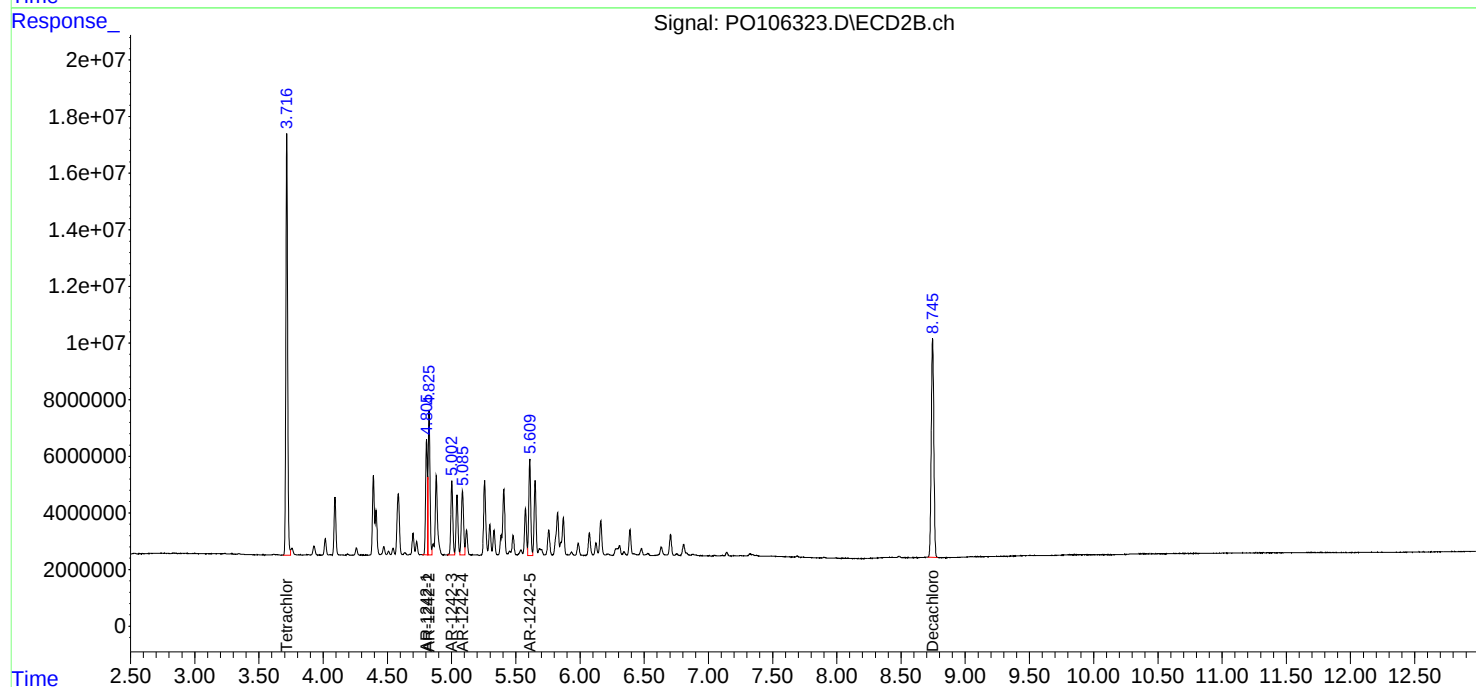
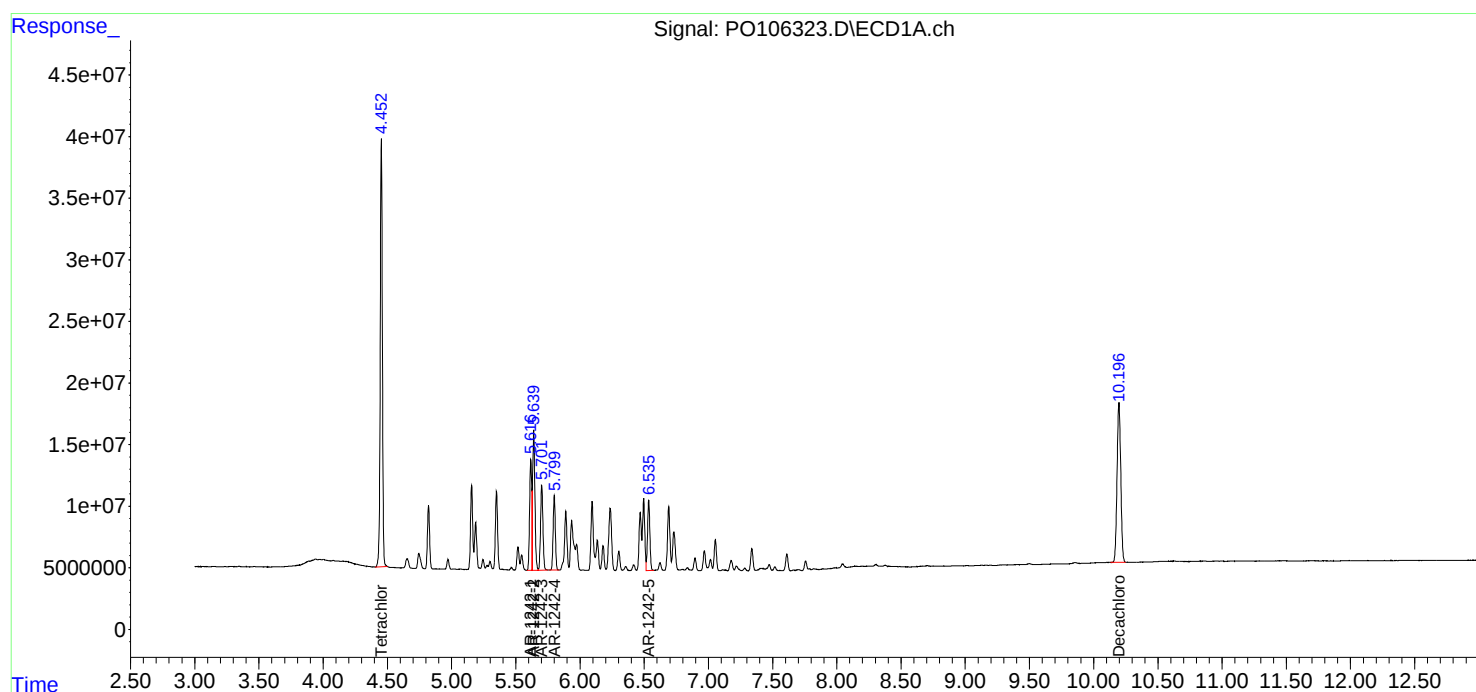
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 18:07
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: Sep 10 03:44:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 03:43:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\P0090924\
 Data File : P0106324.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 18:25
 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: Sep 10 03:56:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 03:43:03 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.453	3.716	196.7E6	68946095	25.599	24.401
2) SA Decachlor...	10.196	8.745	133.9E6	53410040	27.022	26.020
Target Compounds						
16) L4 AR-1242-1	5.617	4.805	52873080	19331180	271.358	259.101
17) L4 AR-1242-2	5.639	4.824	72719426	25514841	268.570	256.244
18) L4 AR-1242-3	5.701	5.001	45348529	14241697	270.221	264.919
19) L4 AR-1242-4	5.800	5.084	36510313	14226245	266.430	272.337
20) L4 AR-1242-5	6.535	5.609	36406752	18091789	265.690	263.027

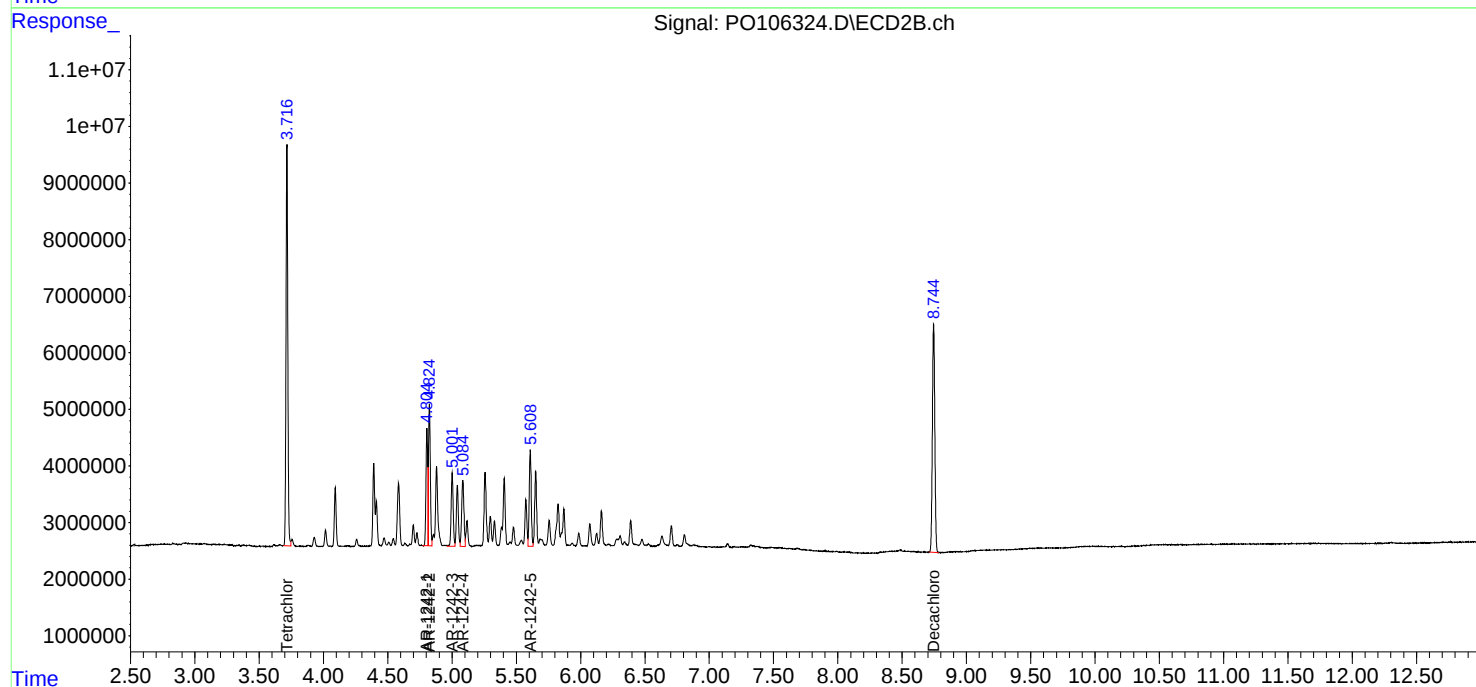
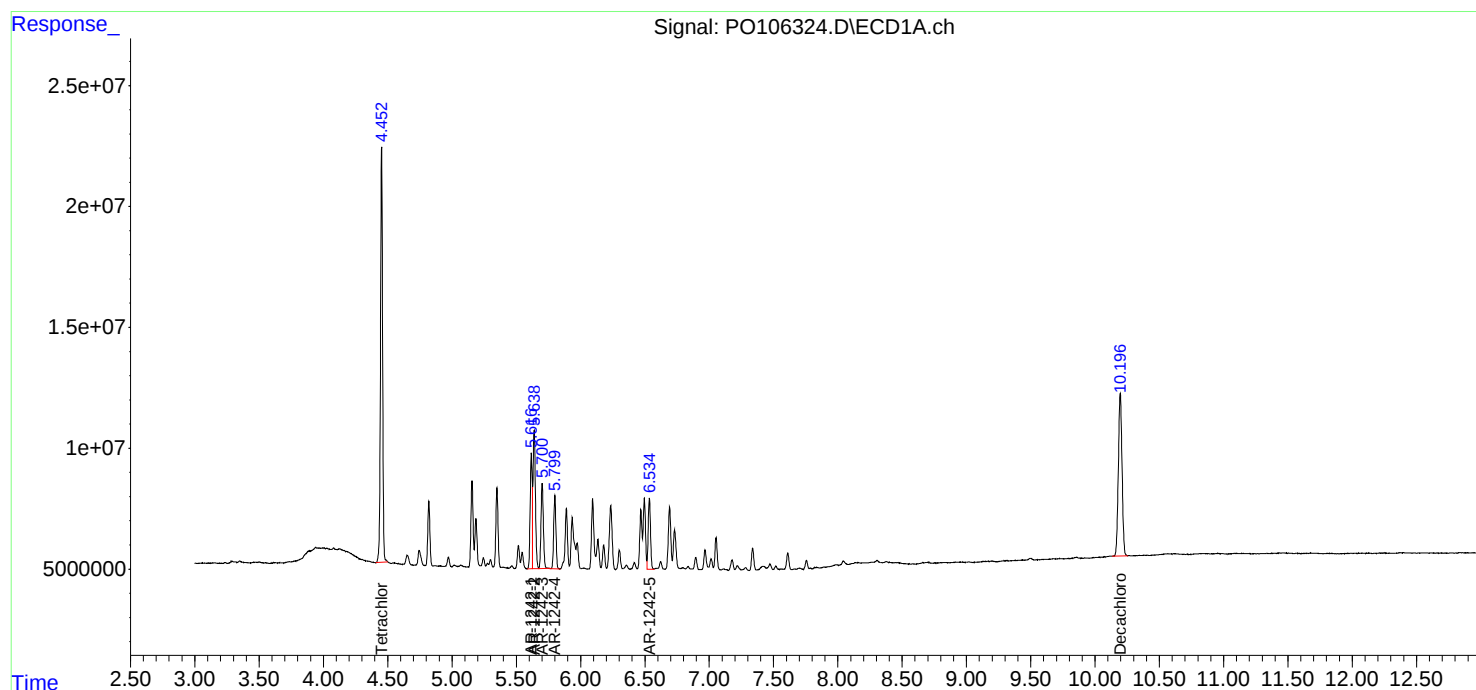
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106324.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 18:25
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: Sep 10 03:56:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 03:43:03 2024
Response via : 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\P0090924\
 Data File : P0106325.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 18:42
 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: Sep 10 03:58:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 03:43:03 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.452	3.716	35396860	11766946	4.579	4.190
2) SA Decachlor...	10.196	8.744	24941369	9335045	4.934	4.502
Target Compounds						
16) L4 AR-1242-1	5.616	4.805	10274247	3403071	51.627	45.201
17) L4 AR-1242-2	5.639	4.825	13718789	4430892	49.743	44.223
18) L4 AR-1242-3	5.702	5.002	8641300	2500235	50.471	45.825
19) L4 AR-1242-4	5.800	5.085	6943958	2578811	49.854	48.288
20) L4 AR-1242-5	6.534	5.609	6934318	3524794	49.824	50.586

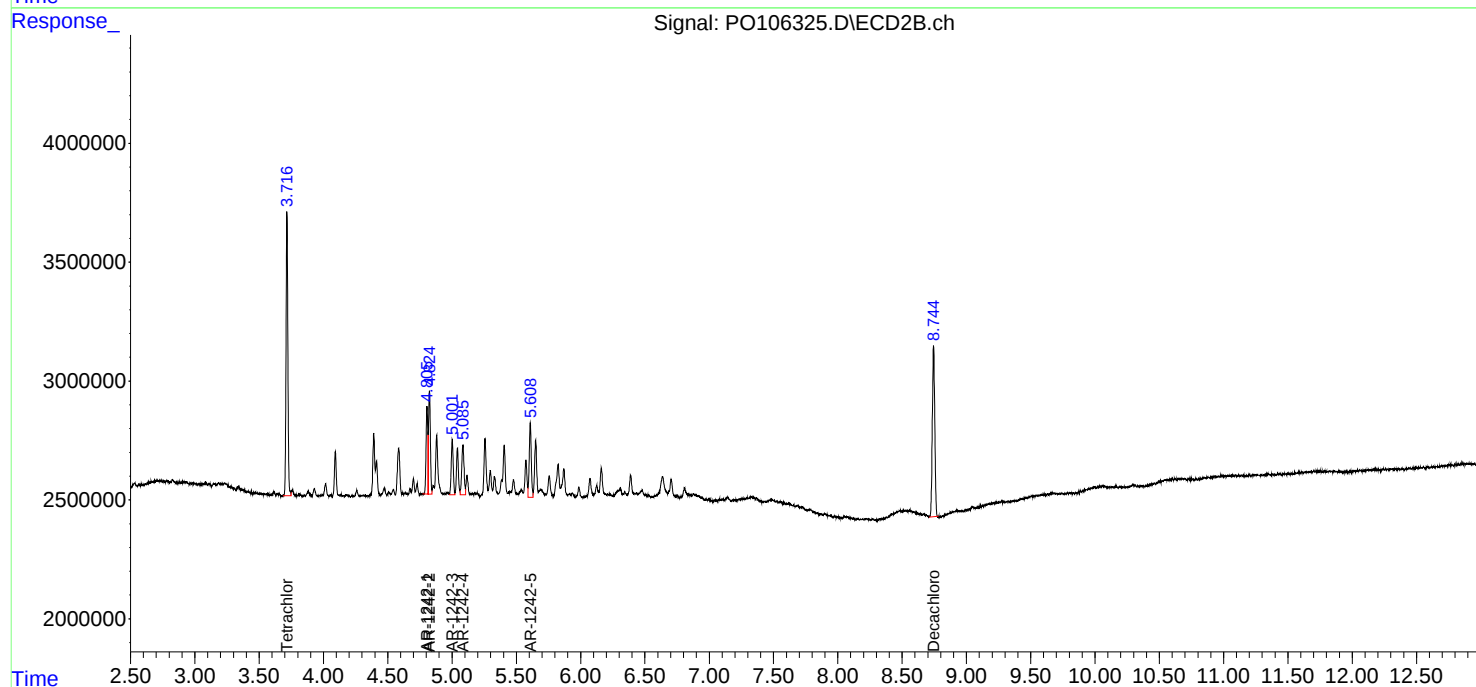
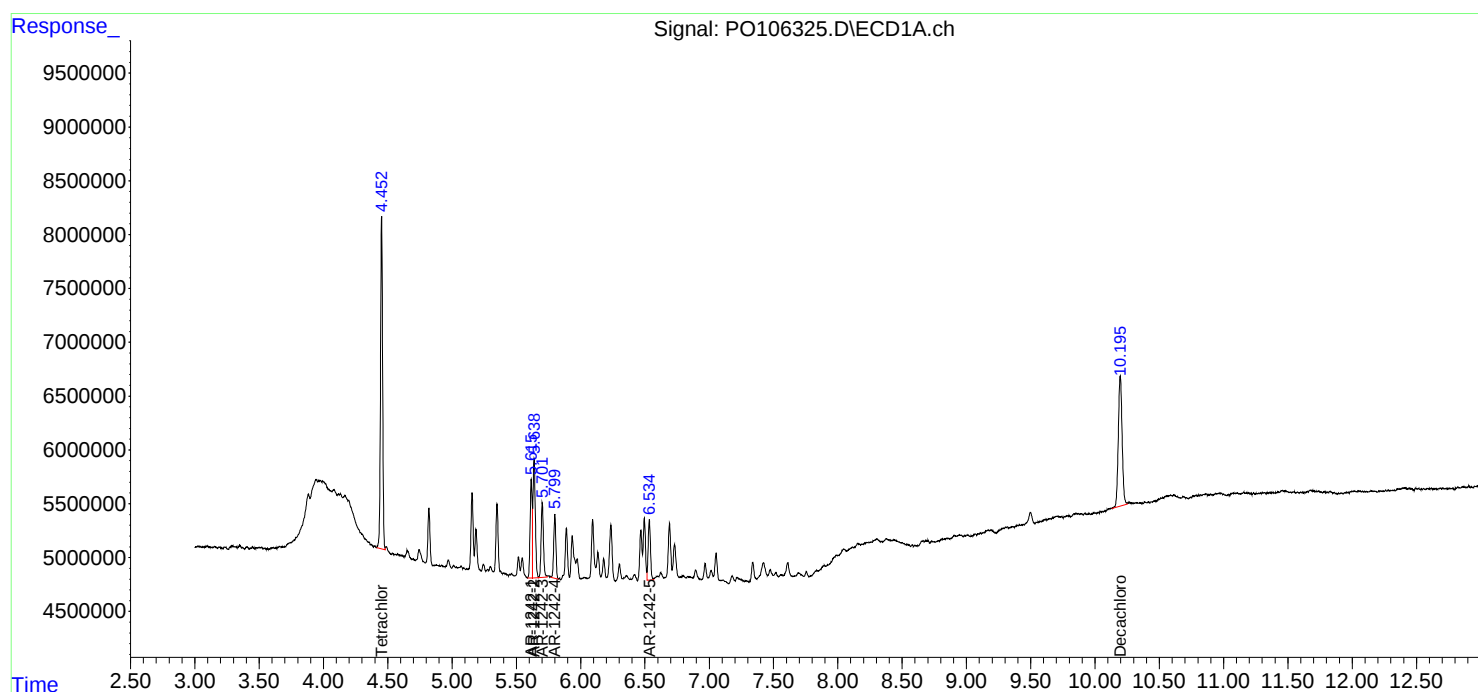
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106325.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 18:42
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: Sep 10 03:58:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 03:43:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\P0090924\
 Data File : P0106326.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 19:00
 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: Sep 10 04:22:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 04:20:50 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...	4.453	3.716	757.9E6	290.9E6	96.518	99.742
2) SA Decachlor...	10.197	8.745	495.2E6	207.5E6	93.586	94.026
Target Compounds						
21) L5 AR-1248-1	5.616	4.805	146.1E6	56436899	917.157	957.597
22) L5 AR-1248-2	5.889	5.042	200.4E6	74576878	913.674	941.806
23) L5 AR-1248-3	6.094	5.084	221.1E6	78365806	924.190	943.258
24) L5 AR-1248-4	6.496	5.257	245.4E6	94966635	934.938	957.709
25) L5 AR-1248-5	6.535	5.650	236.9E6	94802257	936.570	962.263

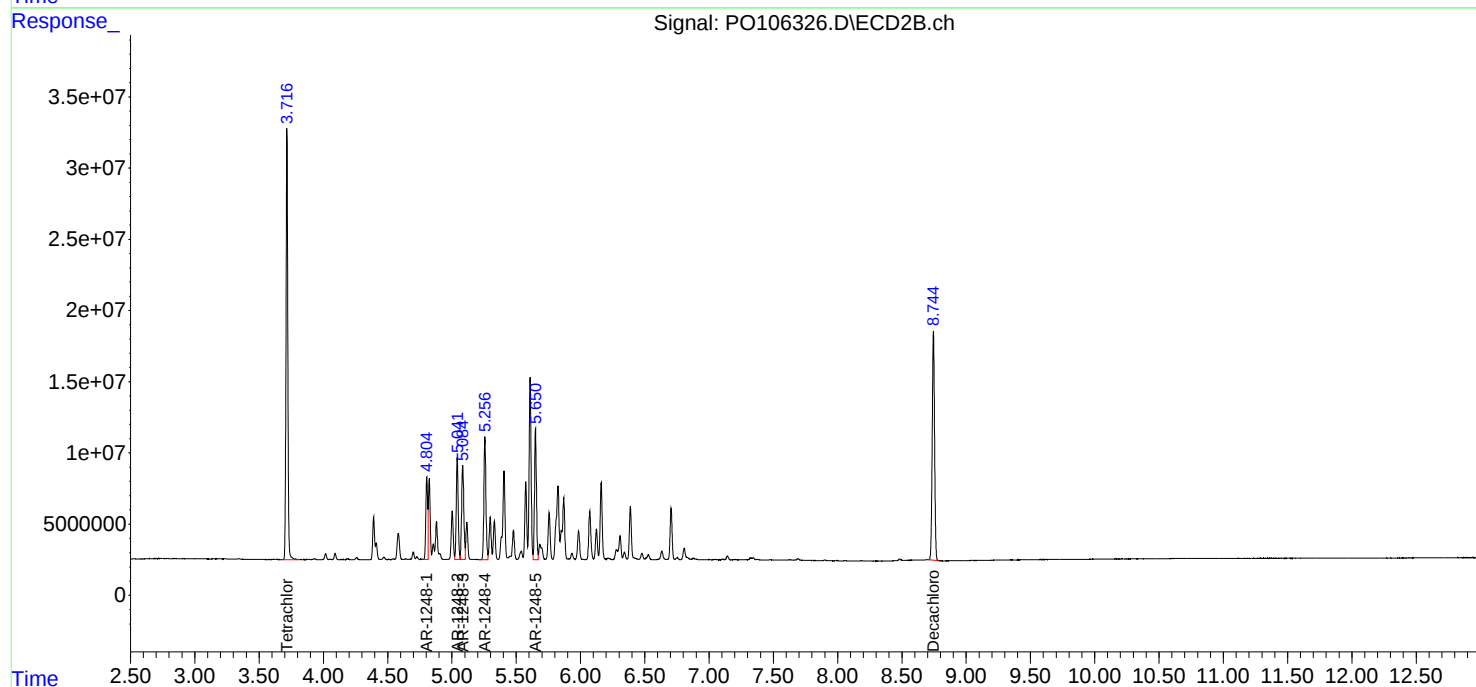
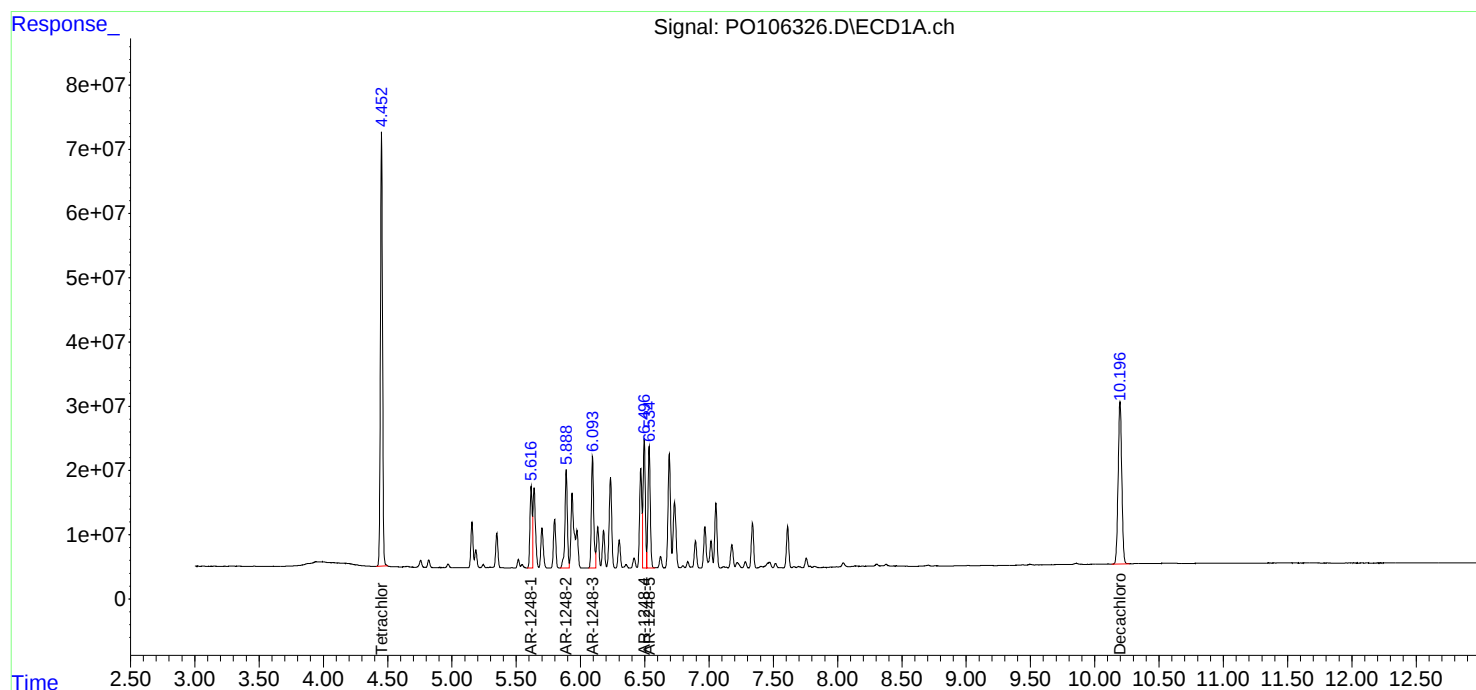
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 19:00
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: Sep 10 04:22:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 04:20:50 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\P0090924\
 Data File : P0106327.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 19:17
 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: Sep 10 04:24:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 04:20:50 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...	4.452	3.716	582.8E6	220.9E6	75.530	75.839
2) SA Decachlor...	10.195	8.743	380.2E6	161.1E6	74.234	75.247
Target Compounds						
21) L5 AR-1248-1	5.616	4.804	114.4E6	43448408	749.027	753.183
22) L5 AR-1248-2	5.888	5.041	157.1E6	57614880	748.809	749.404
23) L5 AR-1248-3	6.093	5.084	172.1E6	60694263	747.712	751.884
24) L5 AR-1248-4	6.495	5.256	190.0E6	73267658	748.210	754.843
25) L5 AR-1248-5	6.534	5.650	183.4E6	72819046	748.892	753.343

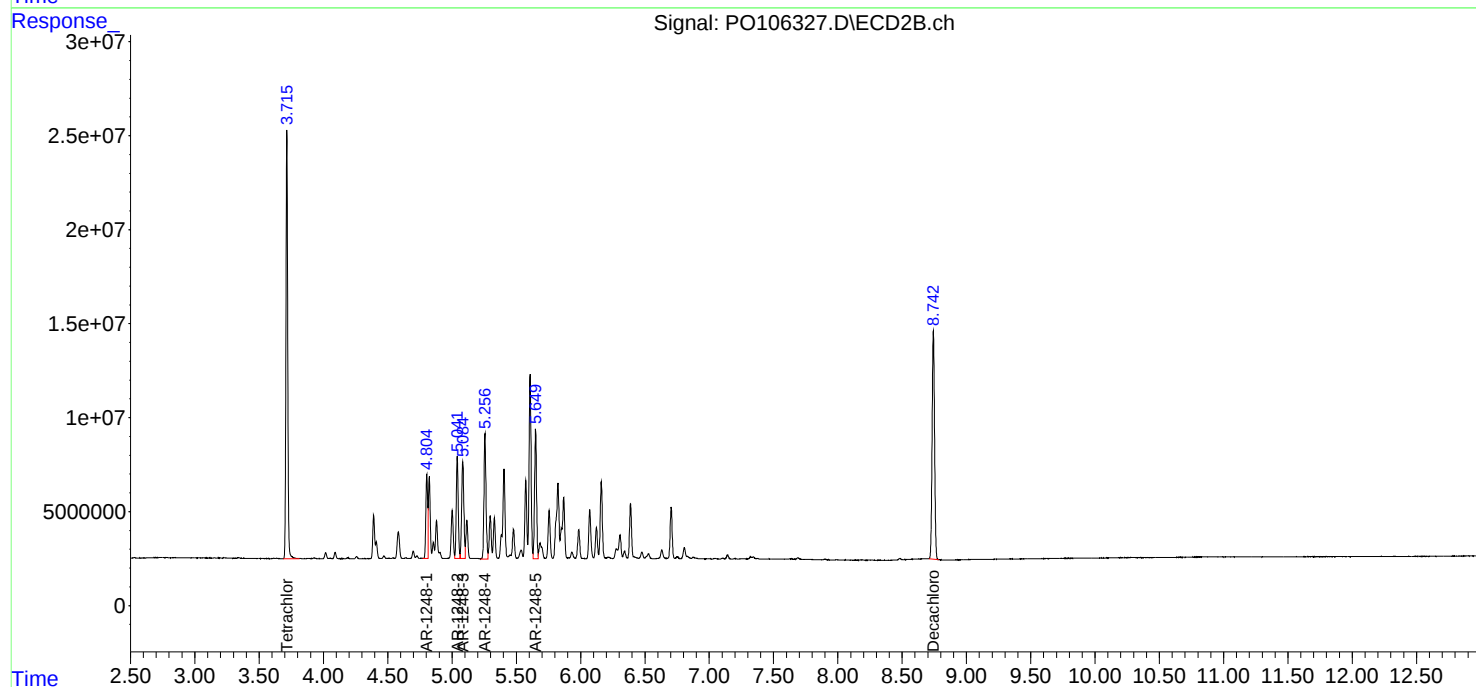
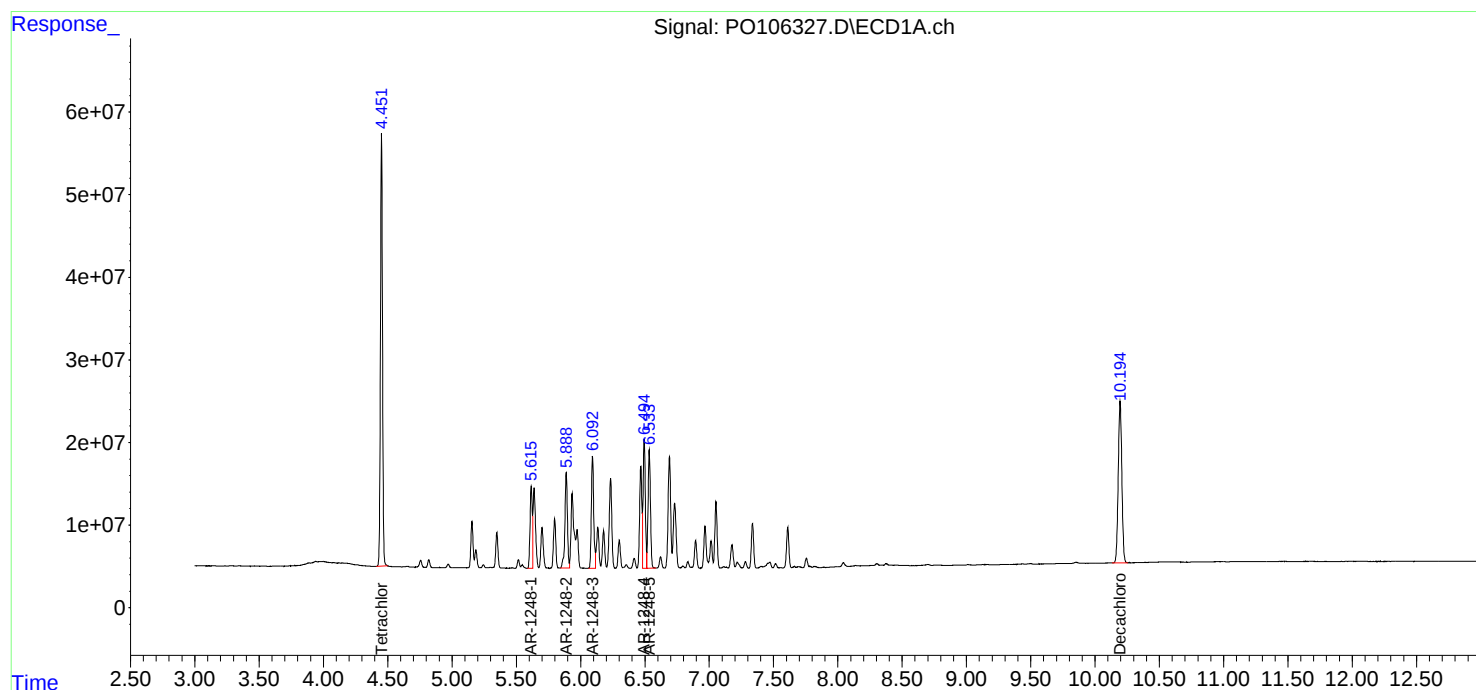
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 19:17
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: Sep 10 04:24:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 04:20:50 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\P0090924\
 Data File : P0106328.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 19:35
 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: Sep 10 04:21:04 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 04:20:50 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...	4.452	3.716	392.6E6	145.8E6	50.000	50.000
2) SA Decachlor...	10.196	8.744	264.6E6	110.3E6	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	5.616	4.804	79655563	29467973	500.000	500.000
22) L5 AR-1248-2	5.889	5.041	109.6E6	39592468	500.000	500.000
23) L5 AR-1248-3	6.093	5.084	119.6E6	41539964	500.000	500.000
24) L5 AR-1248-4	6.496	5.256	131.3E6	49580104	500.000	500.000
25) L5 AR-1248-5	6.534	5.650	126.4E6	49260066	500.000	500.000

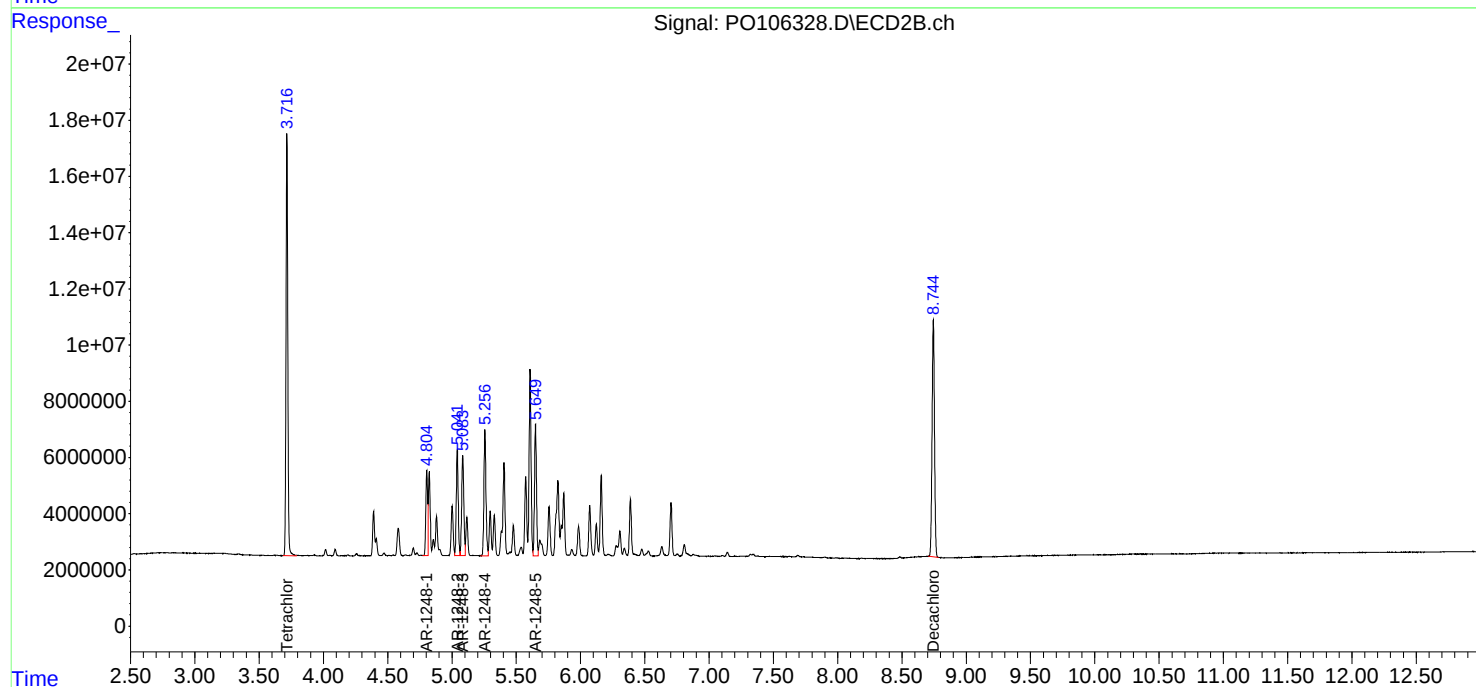
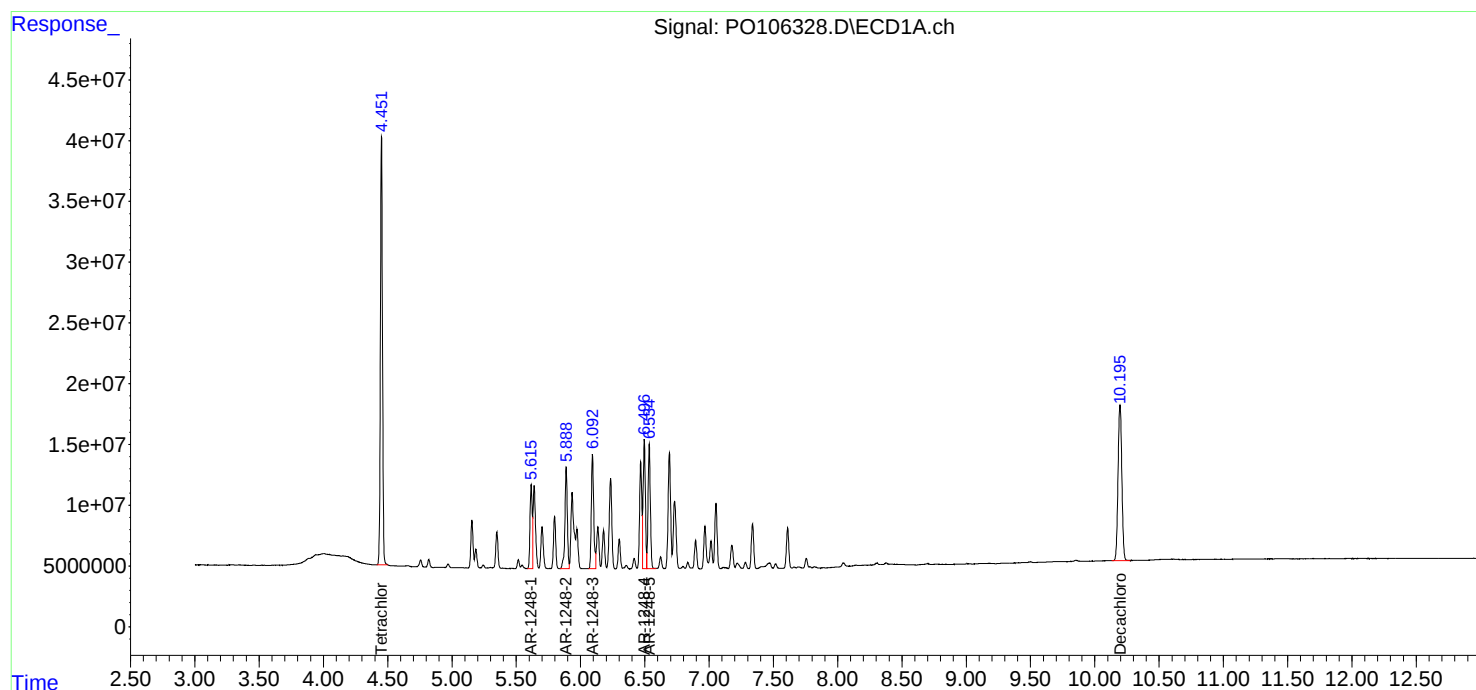
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 19:35
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: Sep 10 04:21:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 04:20:50 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\P0090924\
 Data File : P0106329.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 19:52
 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: Sep 10 04:25:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 04:20:50 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...	4.452	3.716	200.7E6	71858780	25.952	24.578
2) SA Decachlor...	10.195	8.743	137.7E6	56642916	26.970	26.431
Target Compounds						
21) L5 AR-1248-1	5.616	4.804	42137143	15278869	276.044	264.487
22) L5 AR-1248-2	5.889	5.041	58723110	20665366	280.027	268.868
23) L5 AR-1248-3	6.093	5.084	63971926	21731014	278.179	268.980
24) L5 AR-1248-4	6.496	5.256	69745735	25551019	274.839	262.675
25) L5 AR-1248-5	6.534	5.649	66545784	25213626	271.890	260.458

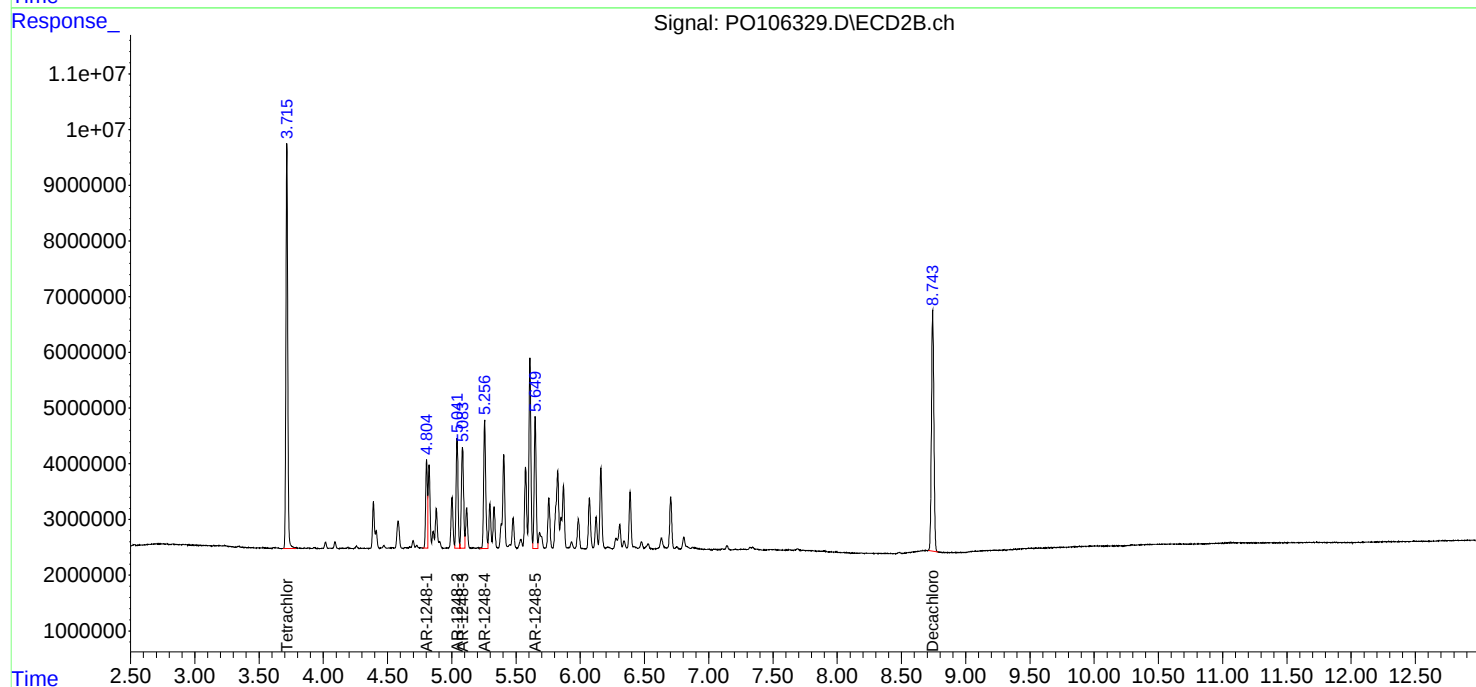
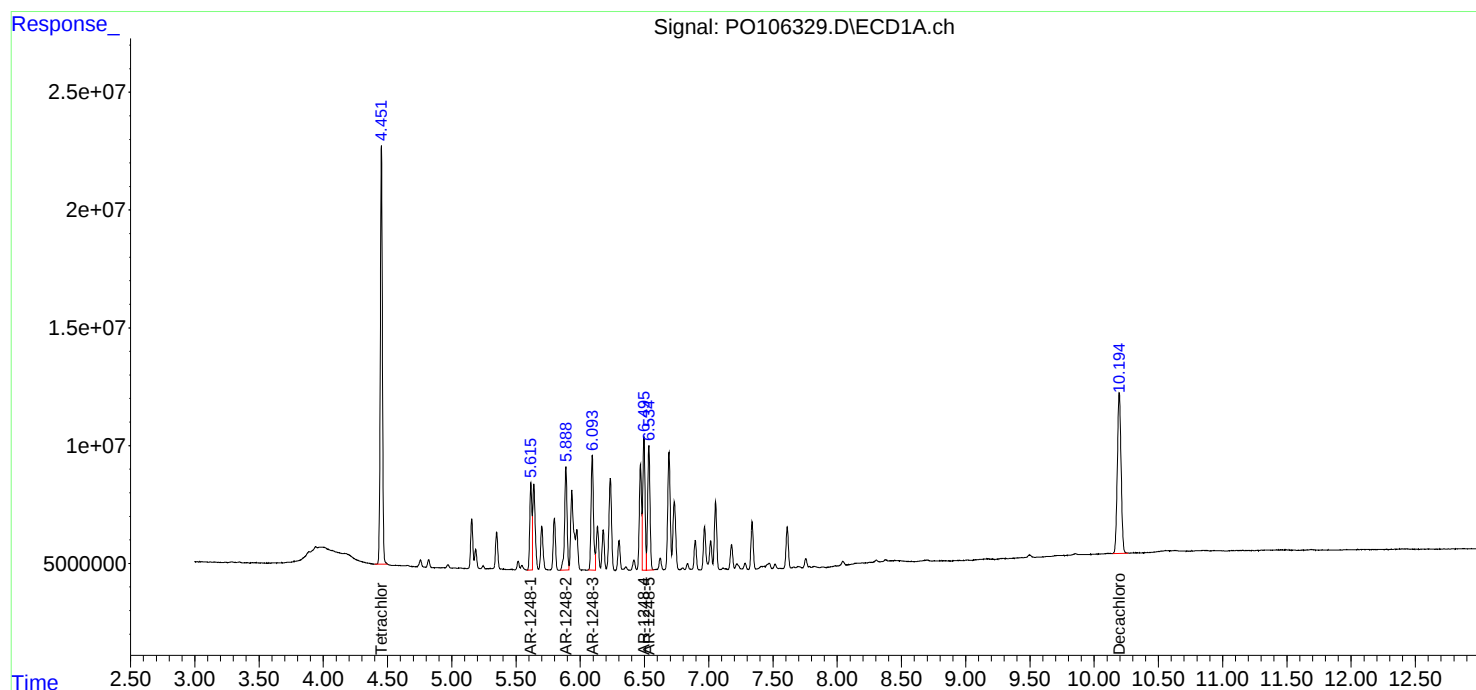
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 19:52
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: Sep 10 04:25:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 04:20:50 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\P0090924\
 Data File : P0106330.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 20:09
 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: Sep 10 04:27:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 04:20:50 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...	4.452	3.716	36232081	12208408	4.641	4.193
2) SA Decachlor...	10.196	8.743	25212836	10196420	4.844	4.691
Target Compounds						
21) L5 AR-1248-1	5.616	4.804	8156792	2742255	52.080	46.792
22) L5 AR-1248-2	5.889	5.042	11031710	3878774	51.072	49.531
23) L5 AR-1248-3	6.093	5.084	12408495	4082204	52.479	49.587
24) L5 AR-1248-4	6.495	5.257	13633205	4845022	52.421	49.185
25) L5 AR-1248-5	6.534	5.650	12671839	4650048	50.665	47.538

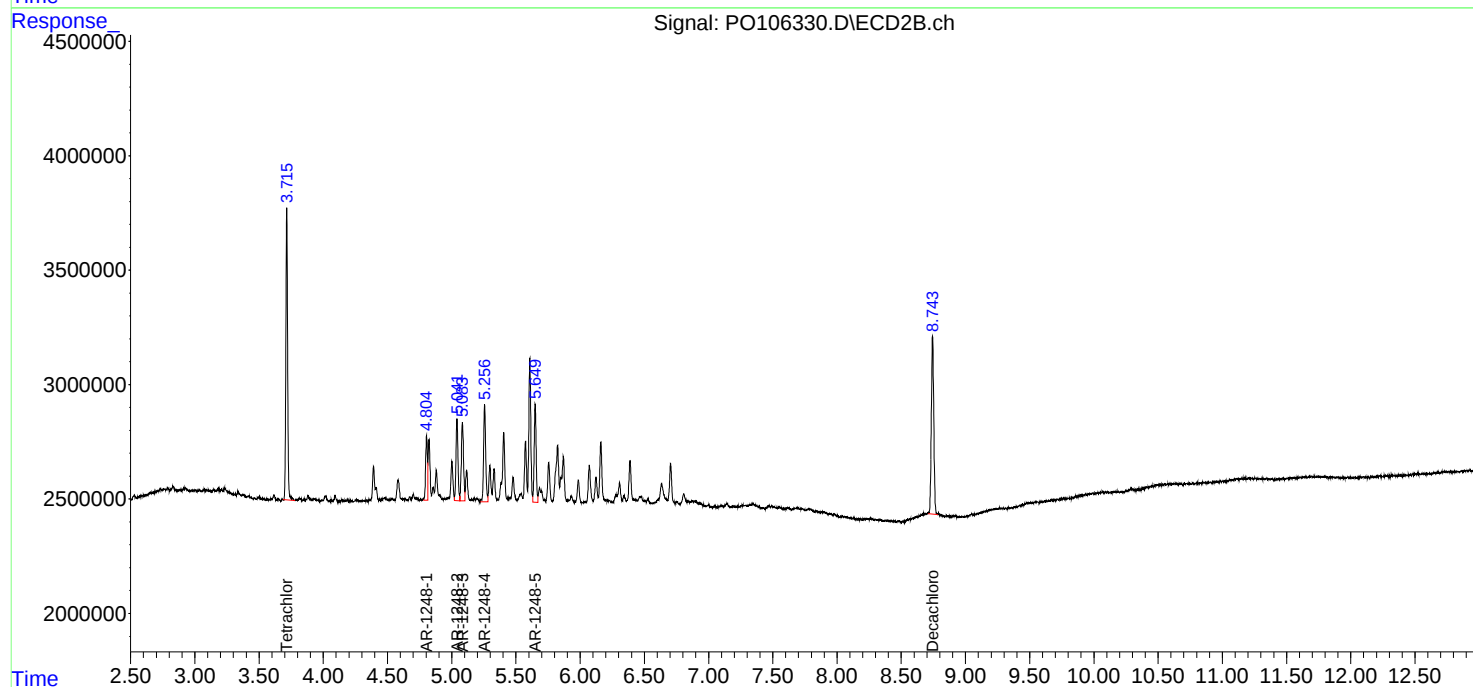
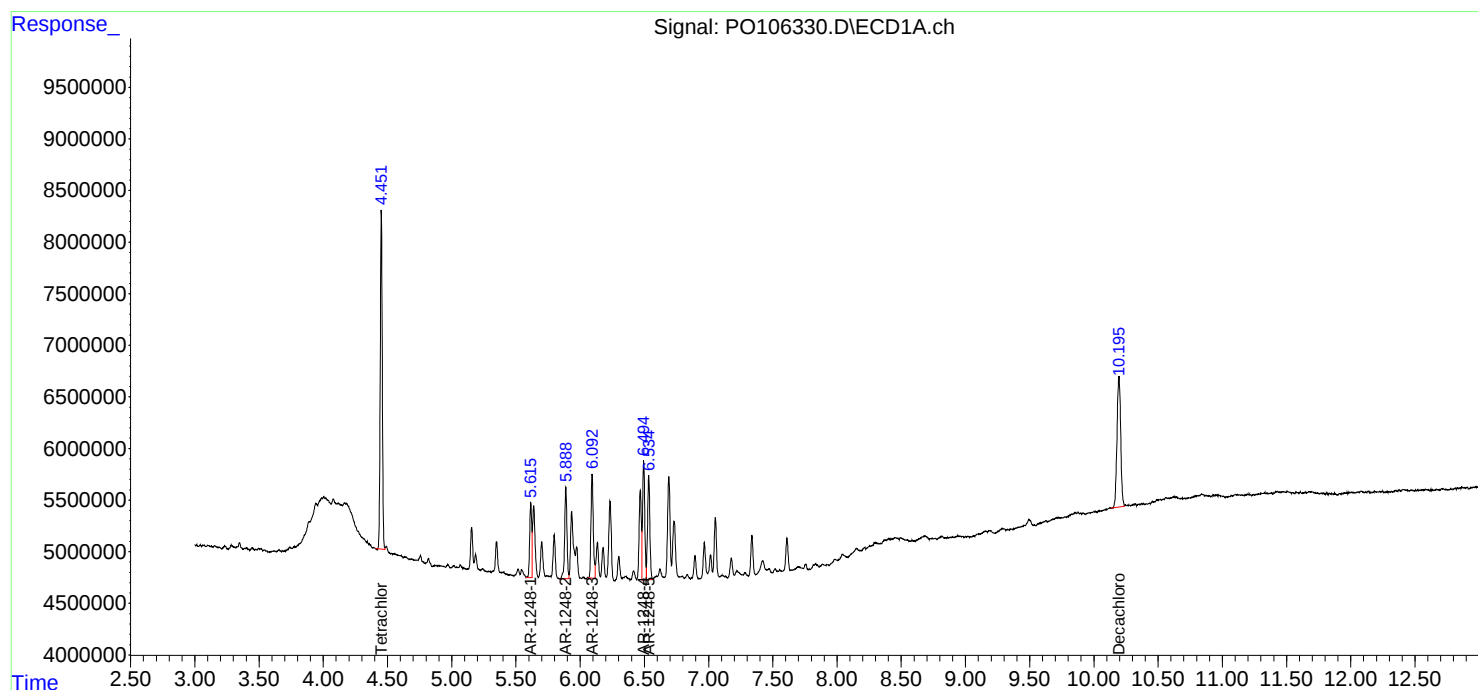
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 20:09
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: Sep 10 04:27:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 04:20:50 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\P0090924\
 Data File : P0106331.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 20:27
 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: Sep 10 04:48:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 04:31:44 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.452	3.716	764.9E6	292.8E6	96.518	99.680
2) SA Decachlor...	10.195	8.743	500.0E6	215.4E6	94.235	96.251
Target Compounds						
26) L6 AR-1254-1	6.470	5.608	239.7E6	138.3E6	927.954	953.867
27) L6 AR-1254-2	6.688	5.756	359.0E6	122.2E6	931.324	949.462
28) L6 AR-1254-3	7.053	6.160	369.9E6	199.0E6	940.349	965.335
29) L6 AR-1254-4	7.338	6.388	274.9E6	123.3E6	939.461	962.035
30) L6 AR-1254-5	7.756	6.806	297.0E6	177.4E6	947.778	961.833

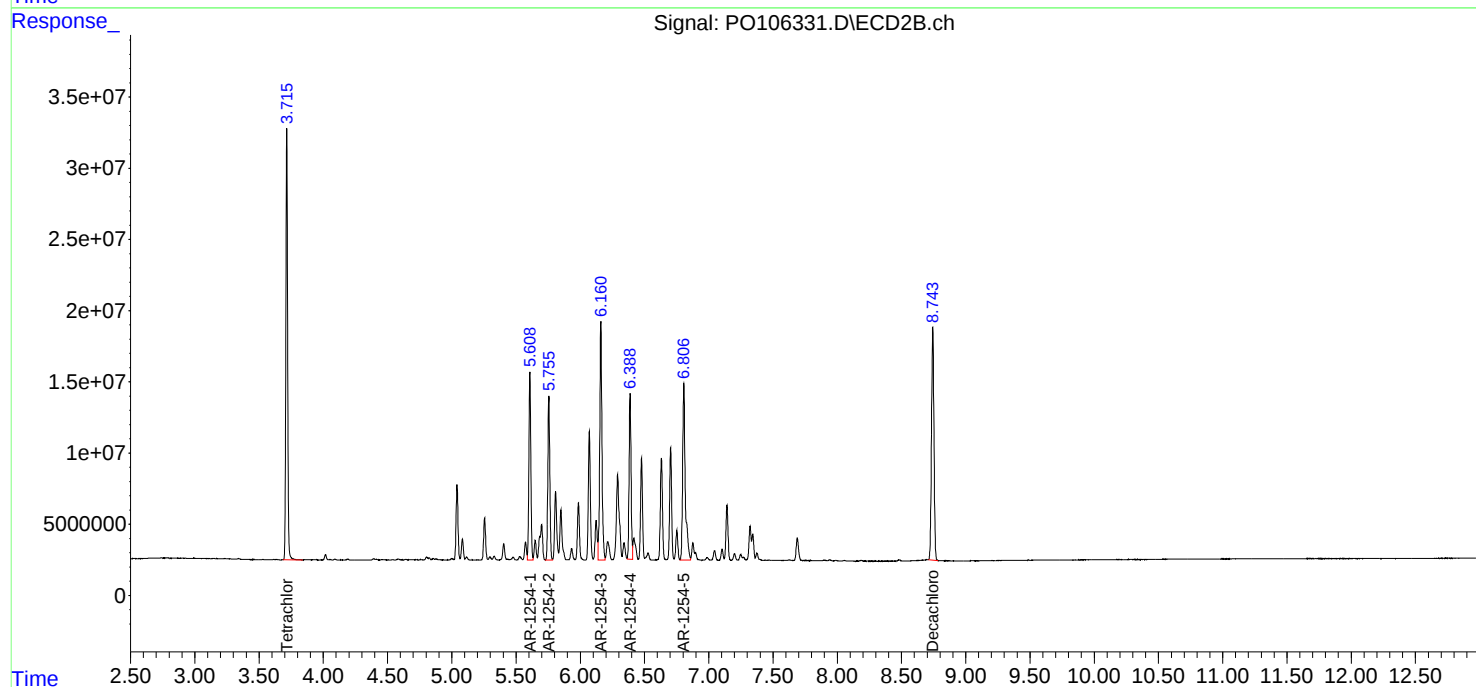
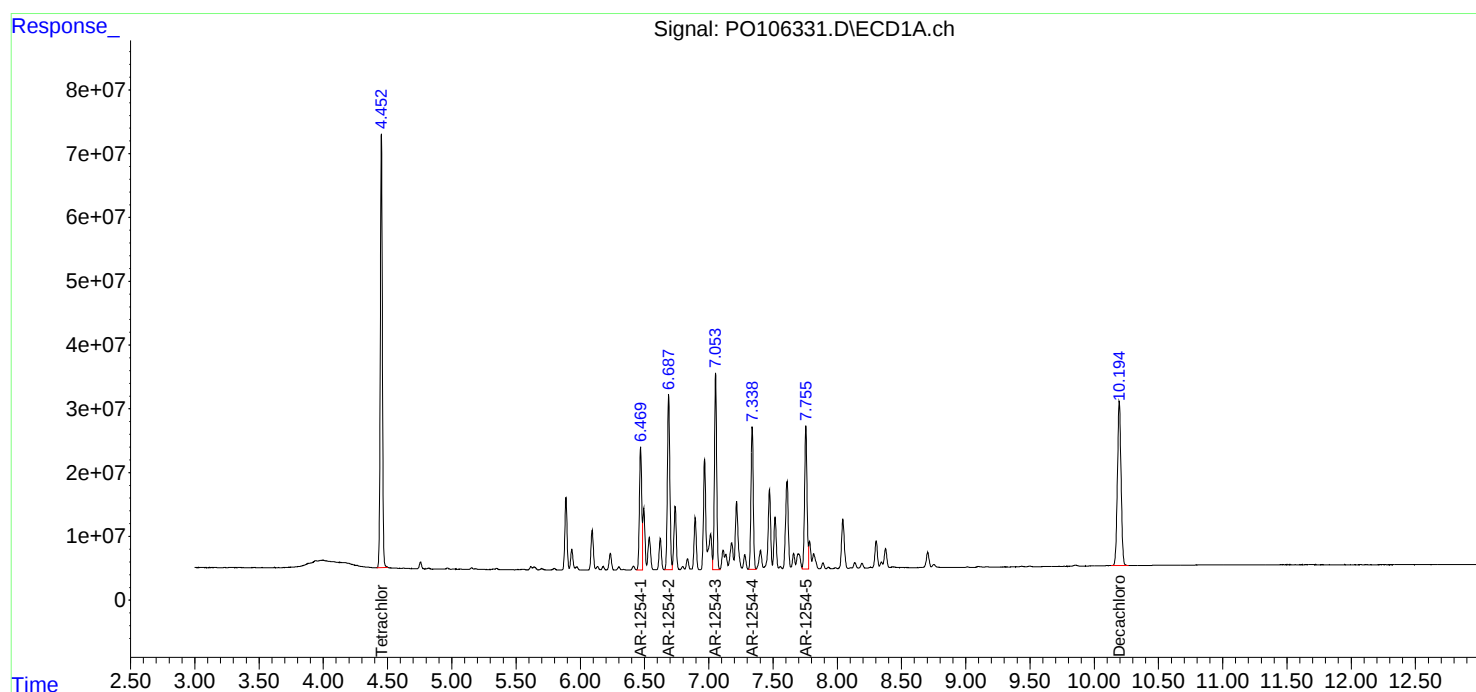
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 20:27
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: Sep 10 04:48:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 04:31:44 2024
Response via : 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\P0090924\
 Data File : P0106332.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 20:44
 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: Sep 10 04:49:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 04:31:44 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.452	3.716	581.2E6	219.9E6	74.632	74.991
2) SA Decachlor...	10.195	8.743	382.1E6	163.5E6	74.142	74.478
Target Compounds						
26) L6 AR-1254-1	6.470	5.609	184.6E6	105.6E6	741.516	745.533
27) L6 AR-1254-2	6.687	5.756	276.6E6	93348512	742.887	743.862
28) L6 AR-1254-3	7.053	6.160	282.8E6	151.2E6	741.056	746.472
29) L6 AR-1254-4	7.338	6.388	210.9E6	93805028	743.130	746.173
30) L6 AR-1254-5	7.756	6.806	226.4E6	134.9E6	741.899	745.398

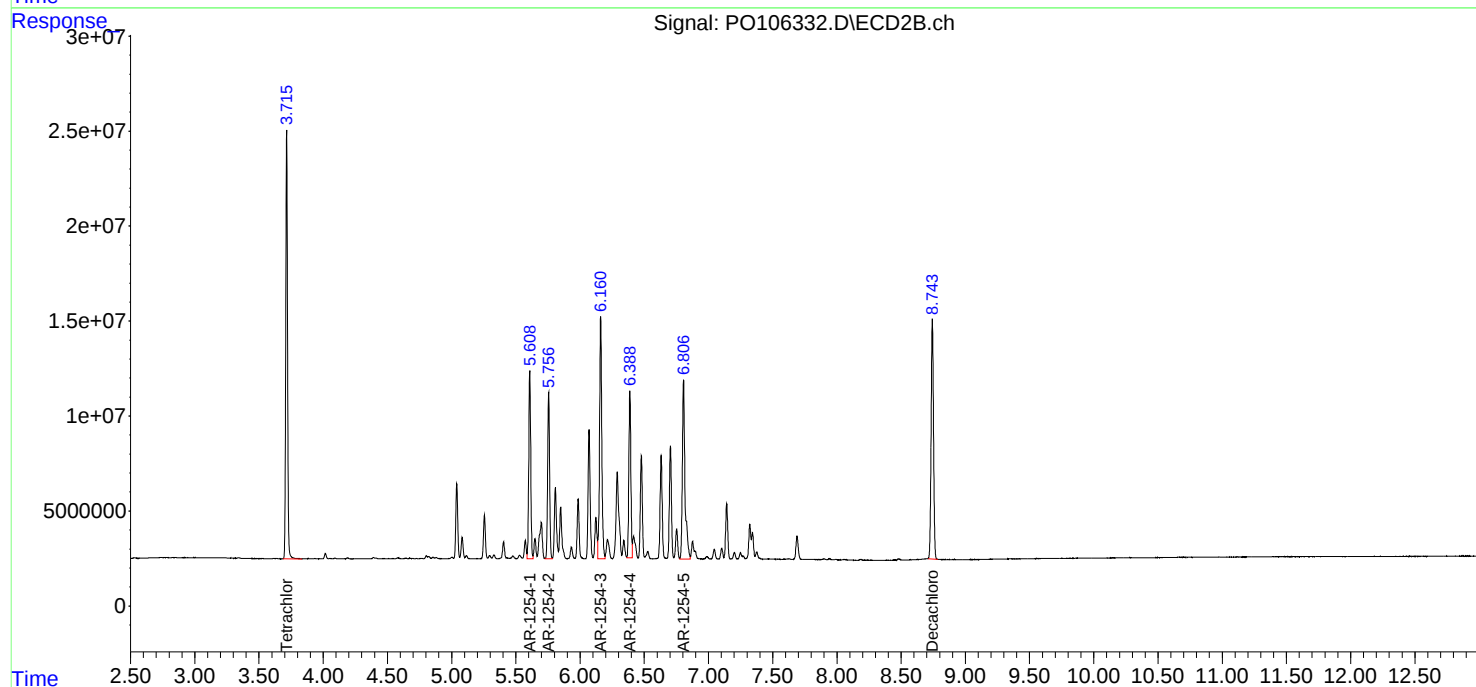
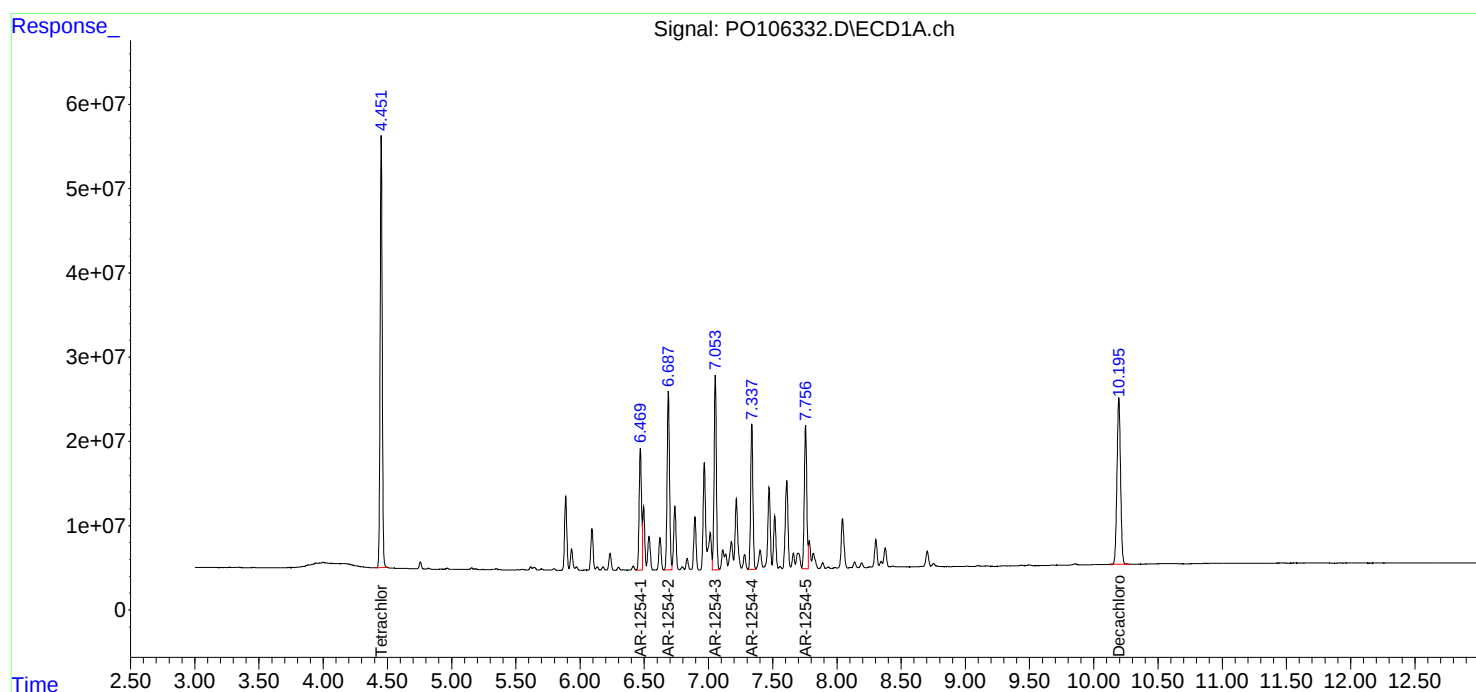
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 20:44
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: Sep 10 04:49:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 04:31:44 2024
Response via : 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\P0090924\
 Data File : P0106333.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 21:01
 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: Sep 10 04:31:57 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 04:31:44 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.452	3.715	396.2E6	146.9E6	50.000	50.000
2) SA Decachlor...	10.194	8.743	265.3E6	111.9E6	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	6.469	5.608	129.2E6	72480289	500.000	500.000
27) L6 AR-1254-2	6.686	5.755	192.8E6	64372485	500.000	500.000
28) L6 AR-1254-3	7.053	6.161	196.7E6	103.0E6	500.000	500.000
29) L6 AR-1254-4	7.337	6.388	146.3E6	64073711	500.000	500.000
30) L6 AR-1254-5	7.756	6.806	156.7E6	92224039	500.000	500.000

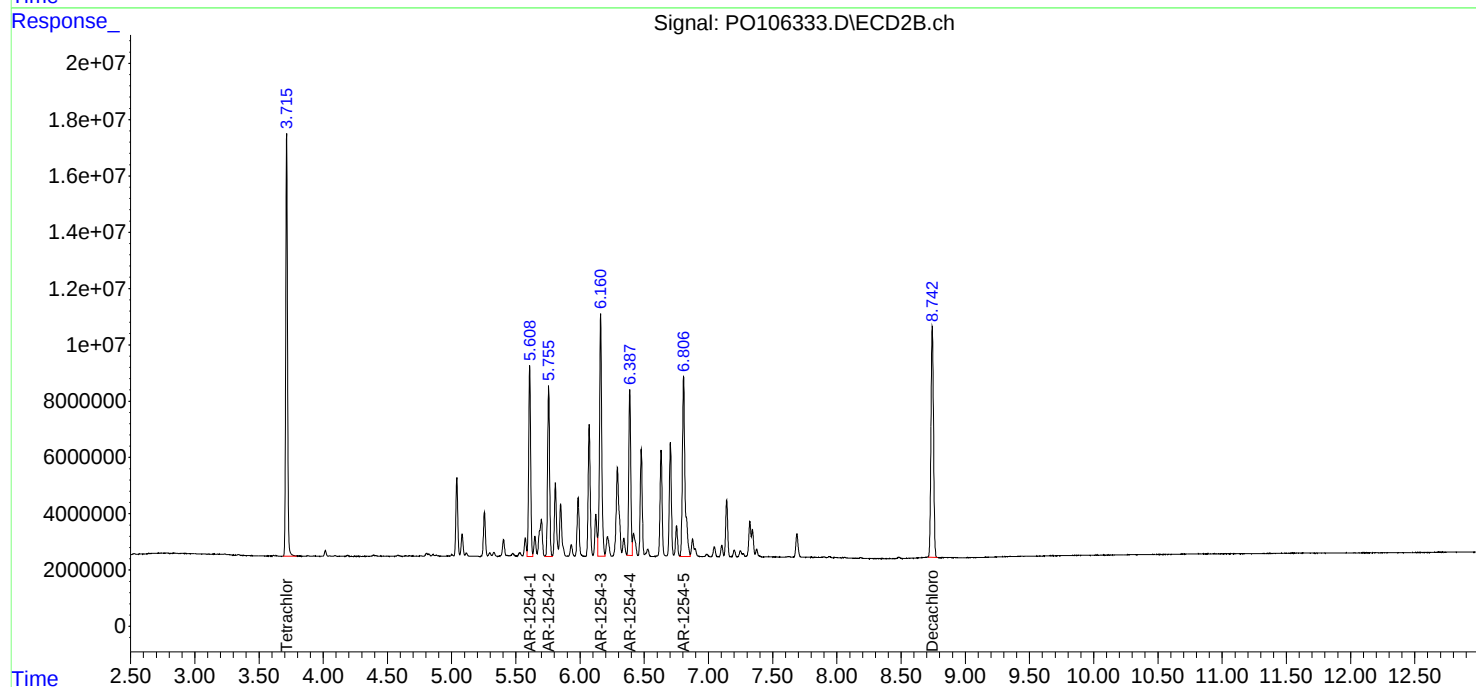
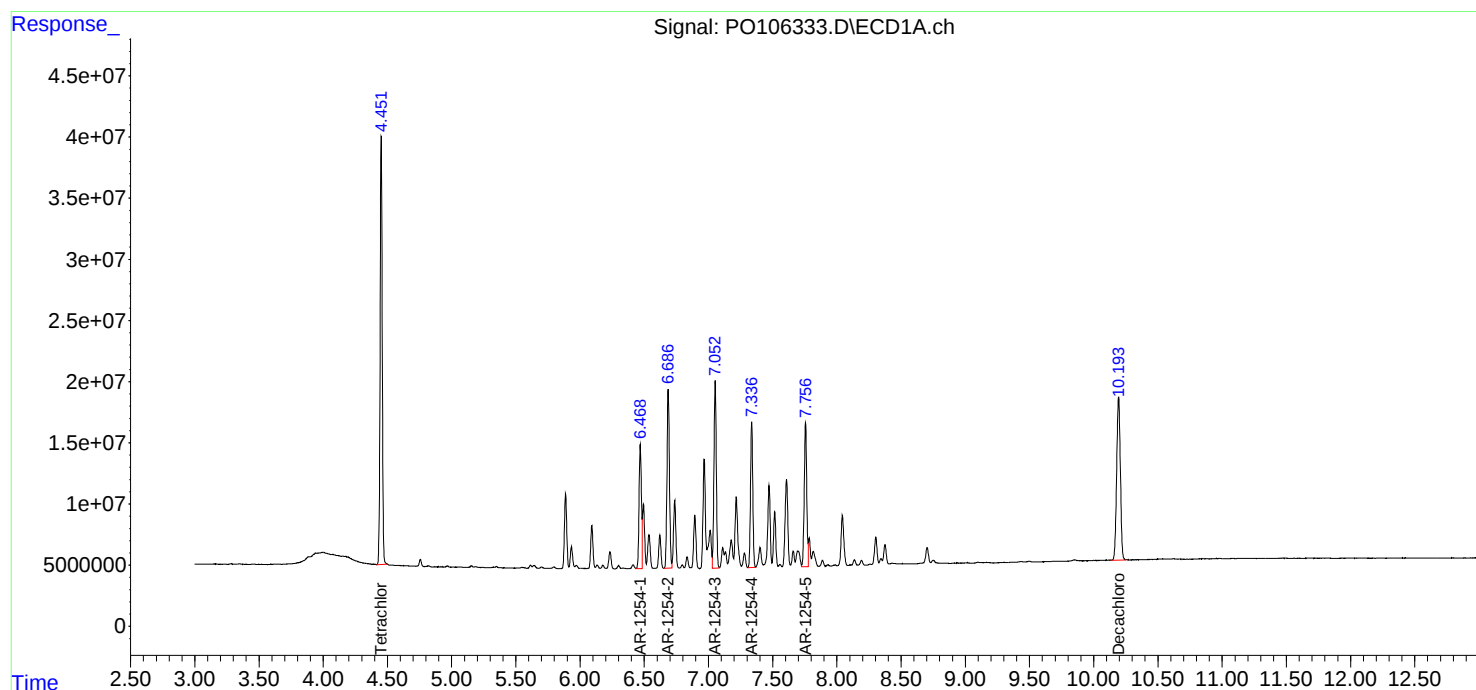
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 21:01
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: Sep 10 04:31:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 04:31:44 2024
Response via : 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\P0090924\
 Data File : P0106334.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 21:19
 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: Sep 10 04:51:53 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 04:31:44 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.452	3.715	201.4E6	72048595	25.906	24.568
2) SA Decachlor...	10.194	8.743	138.4E6	56871840	26.952	25.962
Target Compounds						
26) L6 AR-1254-1	6.470	5.608	68793256	37307733	277.310	263.965
27) L6 AR-1254-2	6.688	5.755	102.5E6	33361408	276.314	266.573
28) L6 AR-1254-3	7.053	6.160	102.9E6	52511289	270.573	259.688
29) L6 AR-1254-4	7.337	6.387	76840462	32538075	271.583	259.265
30) L6 AR-1254-5	7.755	6.806	80508286	46728073	264.757	258.798

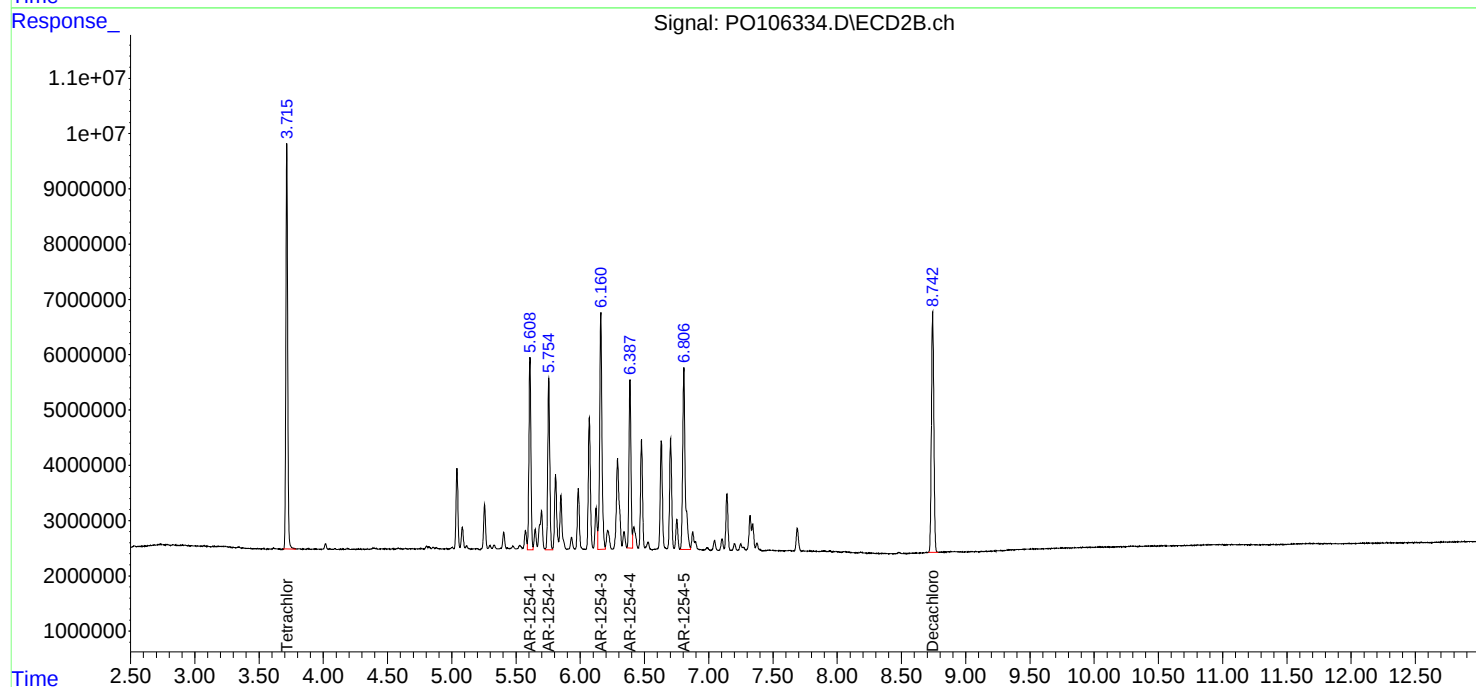
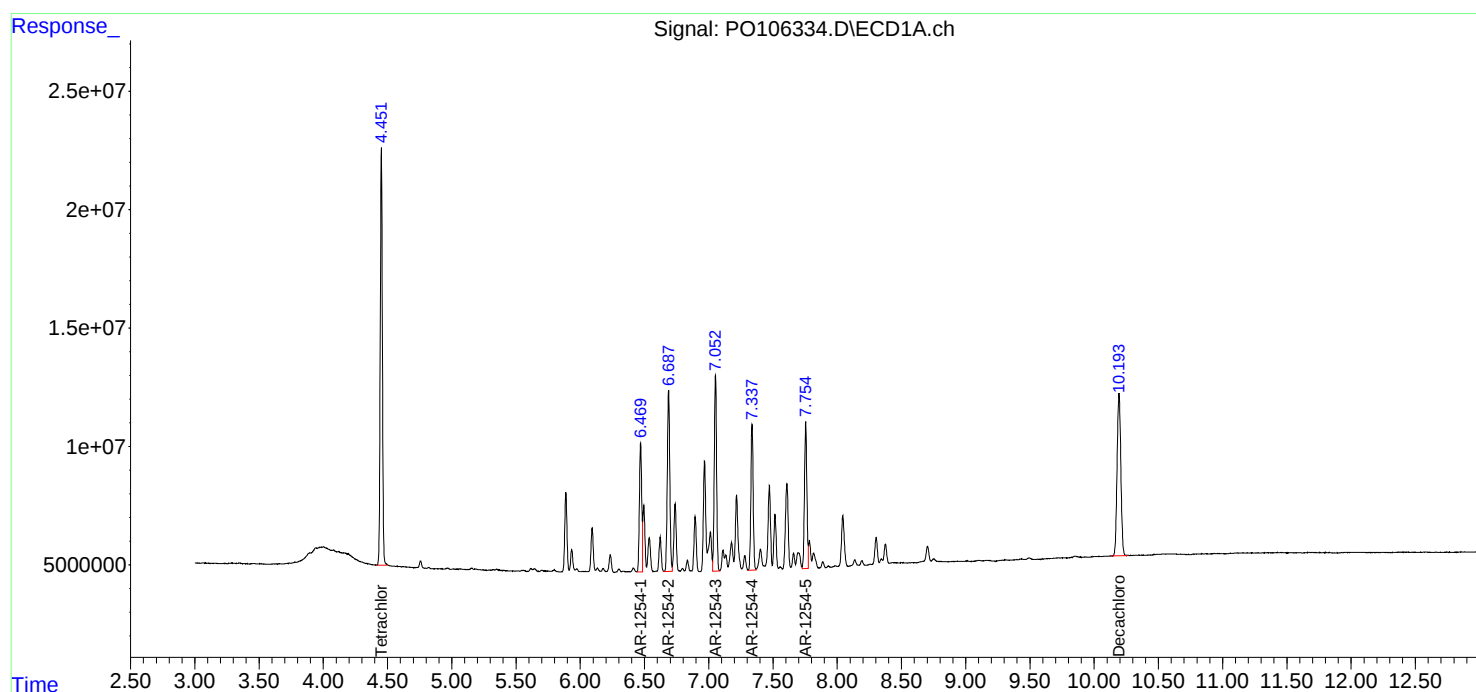
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 21:19
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: Sep 10 04:51:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 04:31:44 2024
Response via : 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\P0090924\
 Data File : P0106335.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 21:36
 Operator : YP/AJ
 Sample : AR1254ICC050
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC050

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 10 04:53:10 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 04:31:44 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.451	3.715	36110429	12059152	4.603	4.130
2) SA Decachlor...	10.194	8.742	25314436	9927257	4.837	4.489
Target Compounds						
26) L6 AR-1254-1	6.468	5.607	14182323	6552492	55.650	45.723m
27) L6 AR-1254-2	6.687	5.754	21241421	6407311	55.773	50.363m
28) L6 AR-1254-3	7.052	6.160	19877651	9498526	51.233	46.523
29) L6 AR-1254-4	7.336	6.387	14839016	5777612	51.339	45.614
30) L6 AR-1254-5	7.755	6.805	14370942	8348332	46.573	45.833

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106335.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 21:36
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

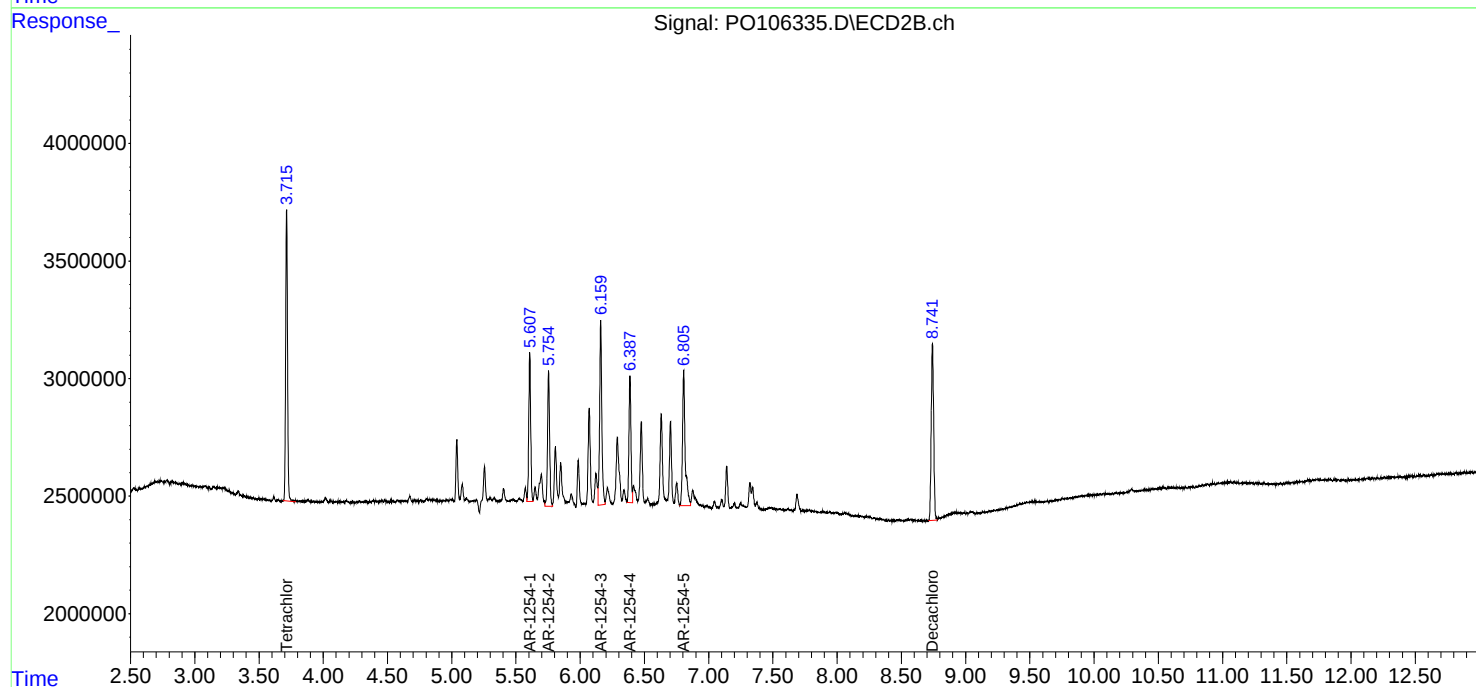
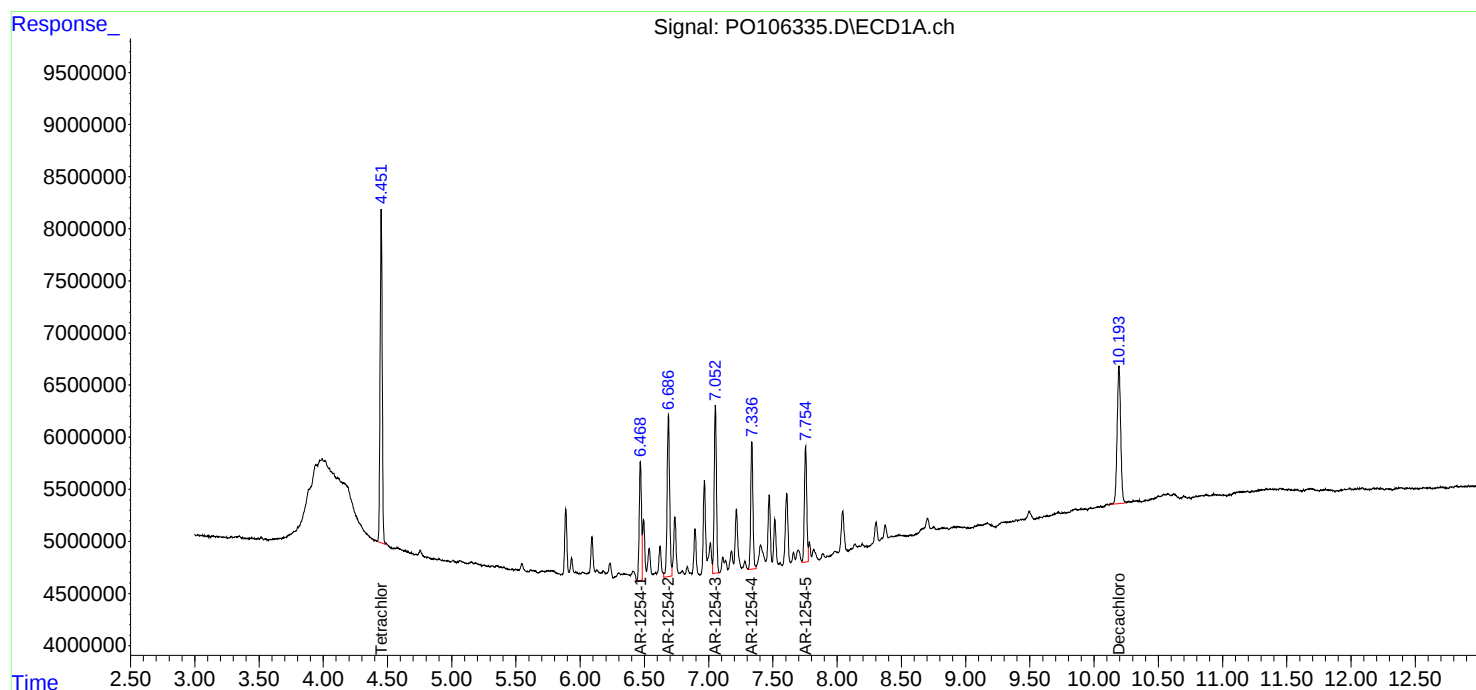
Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 04:53:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 04:31:44 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\P0090924\
 Data File : P0106336.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 21:53
 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: Sep 10 04:59:46 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 04:59:29 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...	4.452	3.716	384.7E6	141.9E6	50.000	50.000
2) SA Decachlor...	10.195	8.742	260.3E6	108.9E6	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	7.752	6.805	122.7E6	49151053	500.000	500.000
37) L8 AR-1262-2	8.377	7.103	315.5E6	78506243	500.000	500.000
38) L8 AR-1262-3	8.691	7.627	219.9E6	60854674	500.000	500.000
39) L8 AR-1262-4	8.780	7.690	166.3E6	118.1E6	500.000	500.000
40) L8 AR-1262-5	9.435	8.185	116.9E6	52261883	500.000	500.000

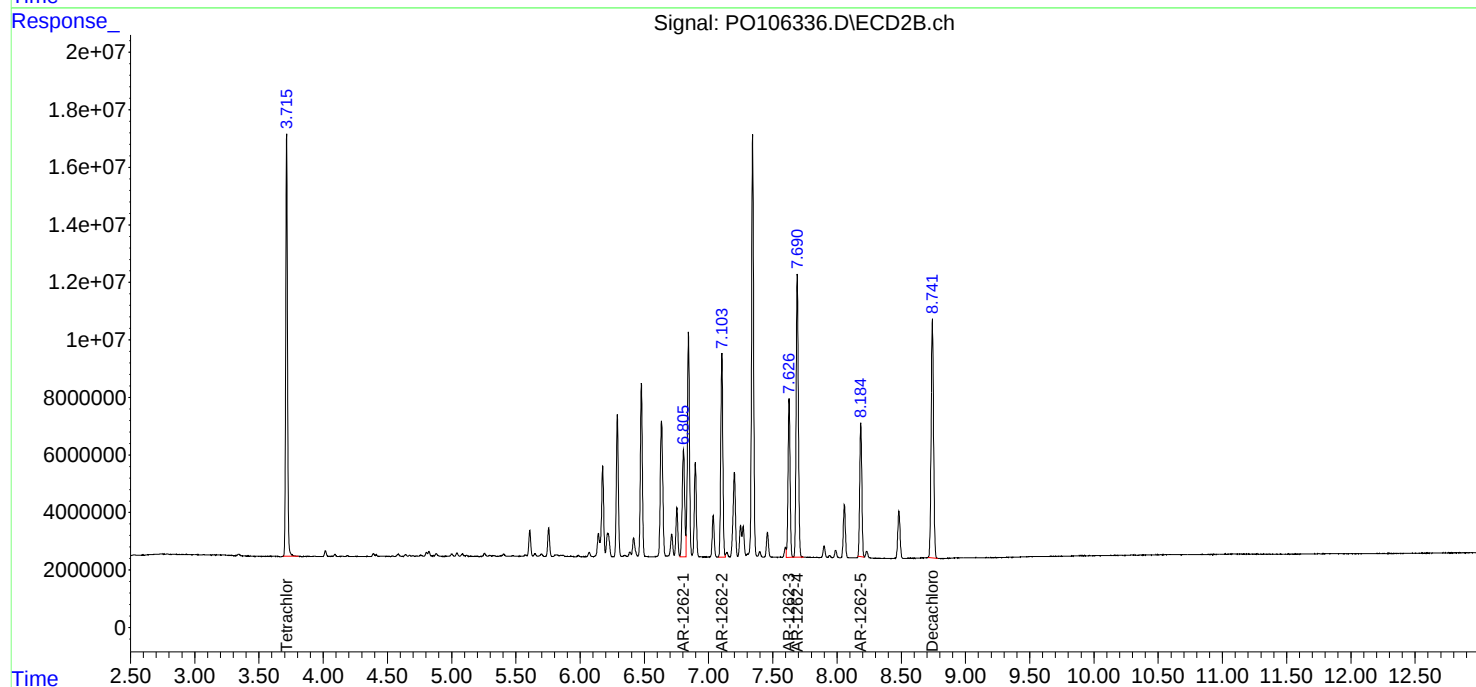
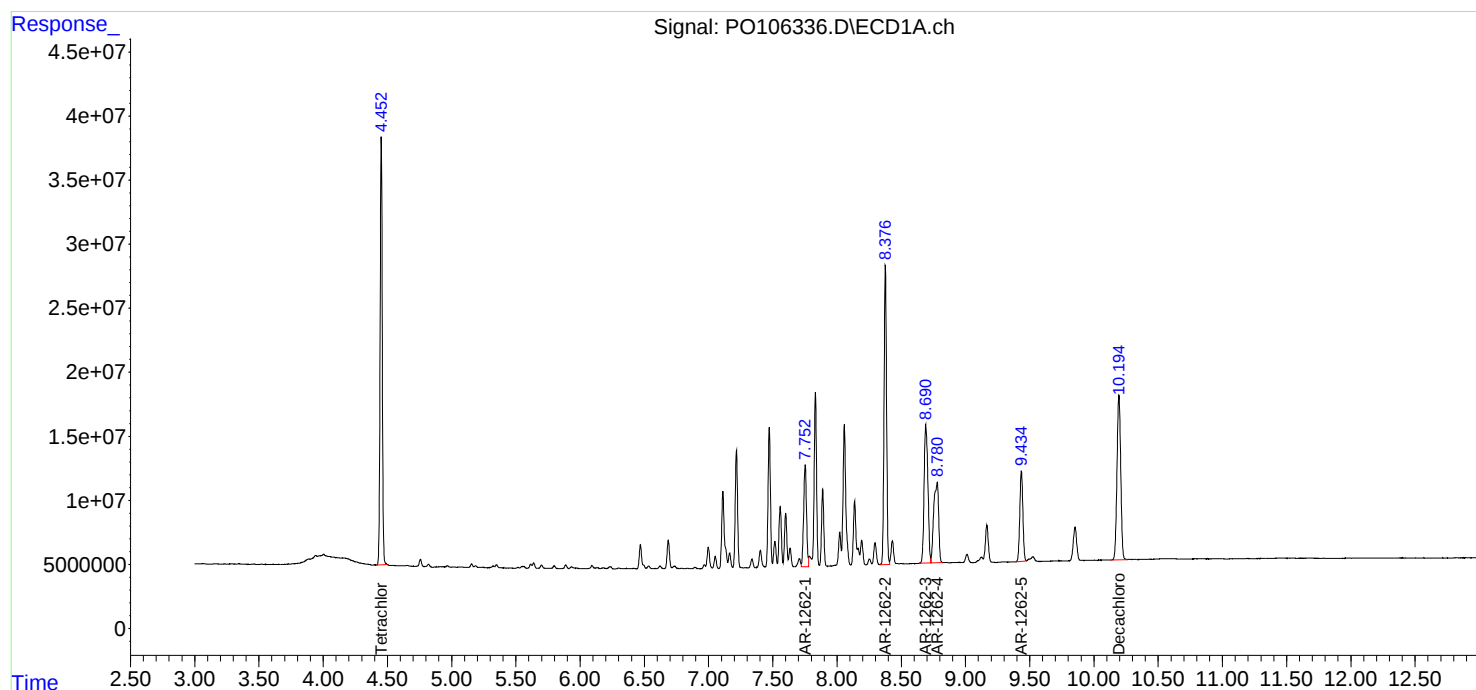
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 21:53
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: Sep 10 04:59:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 04:59:29 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_O\Data\P0090924\
 Data File : P0106337.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 22:11
 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: Sep 10 05:18:09 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 05:12:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.452	3.715	766.6E6	294.6E6	98.124	104.122
2) SA Decachlor...	10.194	8.742	862.5E6	376.4E6	95.544	98.655
Target Compounds						
41) L9 AR-1268-1	8.688	7.627	724.8E6	362.5E6	970.388	1003.605
42) L9 AR-1268-2	8.781	7.691	660.7E6	330.8E6	977.592	1015.468
43) L9 AR-1268-3	9.012	7.899	556.9E6	272.2E6	978.483	1011.133
44) L9 AR-1268-4	9.436	8.185	242.2E6	113.3E6	974.211	994.640
45) L9 AR-1268-5	9.851	8.482	1842.1E6	861.1E6	999.362	1028.993

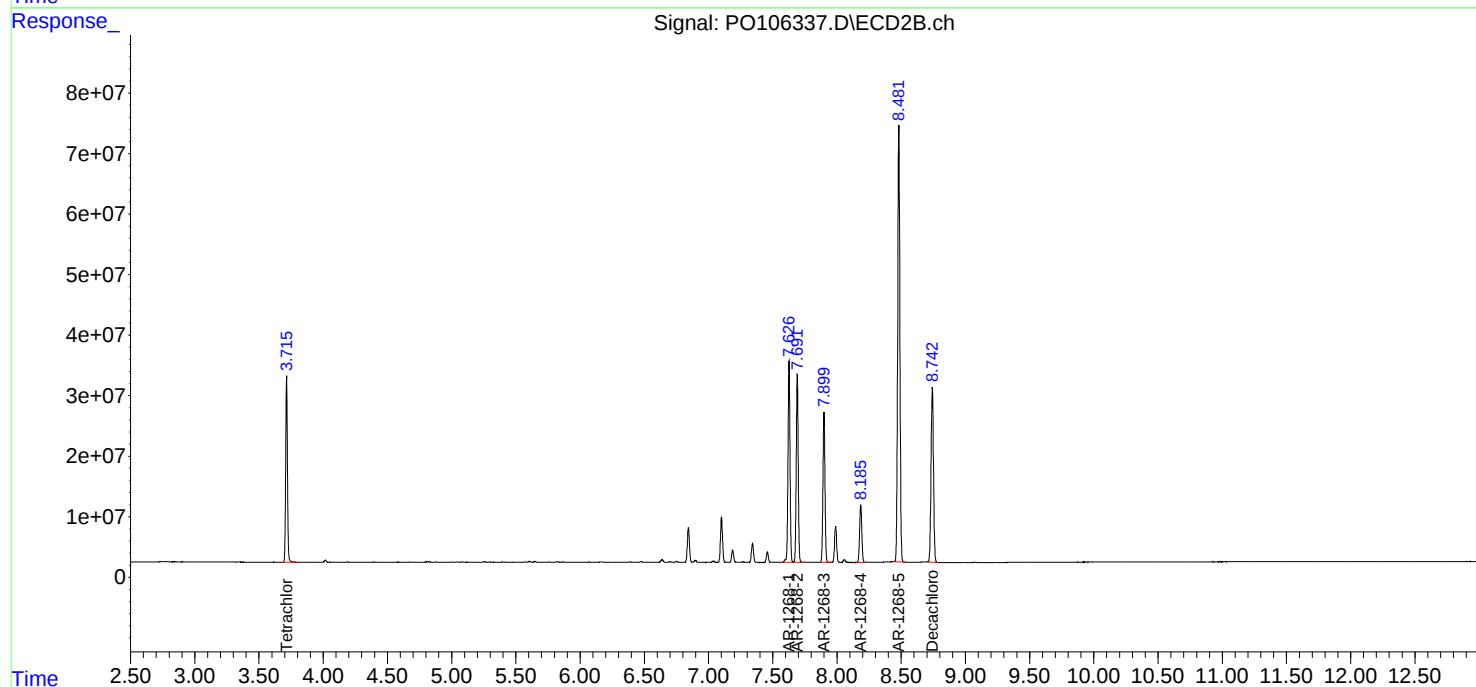
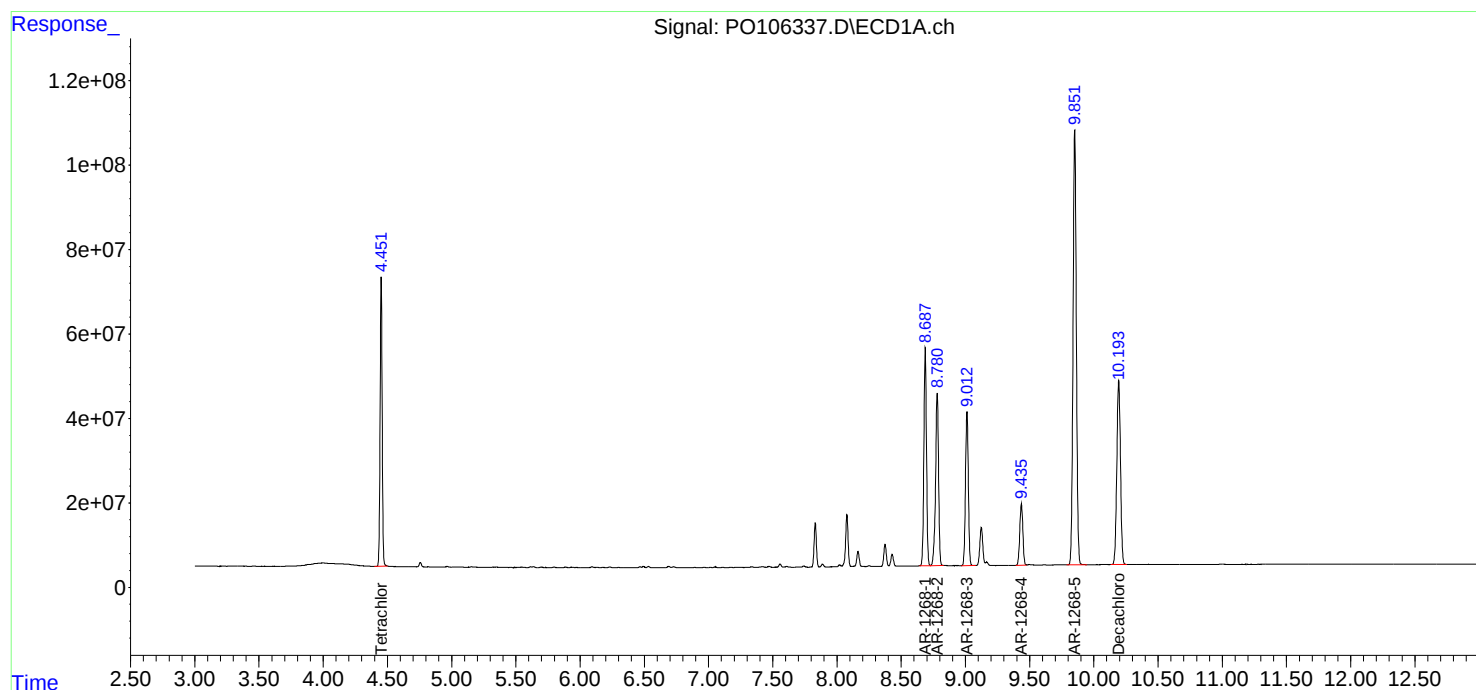
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 22:11
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: Sep 10 05:18:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 05:12:36 2024
Response via : 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\P0090924\
 Data File : P0106338.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 22:28
 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: Sep 10 05:16:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 05:12:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.452	3.715	588.6E6	223.0E6	75.460	80.168
2) SA Decachlor...	10.194	8.743	660.5E6	286.3E6	72.579	75.037
Target Compounds						
41) L9 AR-1268-1	8.688	7.626	551.4E6	274.2E6	734.288	762.424
42) L9 AR-1268-2	8.782	7.691	502.1E6	249.4E6	740.709	771.000
43) L9 AR-1268-3	9.012	7.899	424.3E6	205.5E6	744.001	767.946
44) L9 AR-1268-4	9.436	8.185	185.7E6	86253906	745.742	759.918
45) L9 AR-1268-5	9.852	8.481	1392.7E6	647.7E6	757.445	782.384

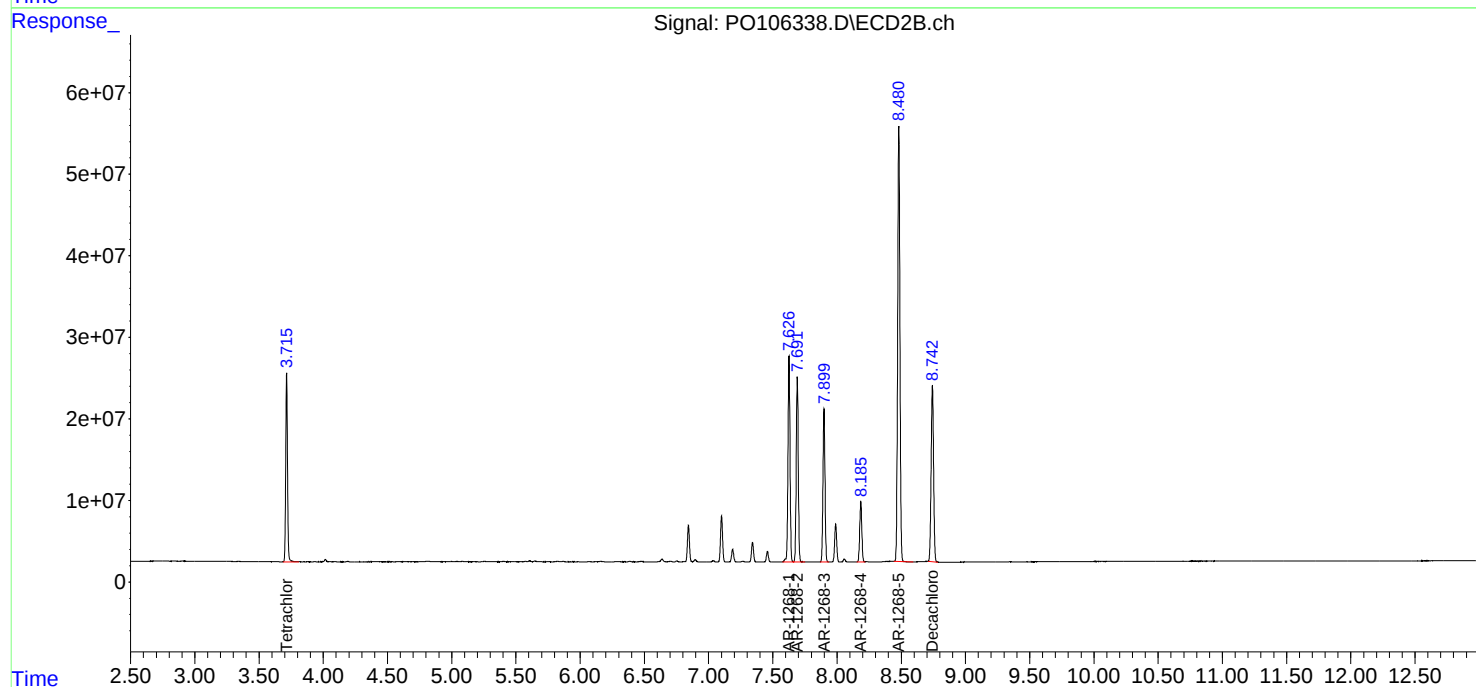
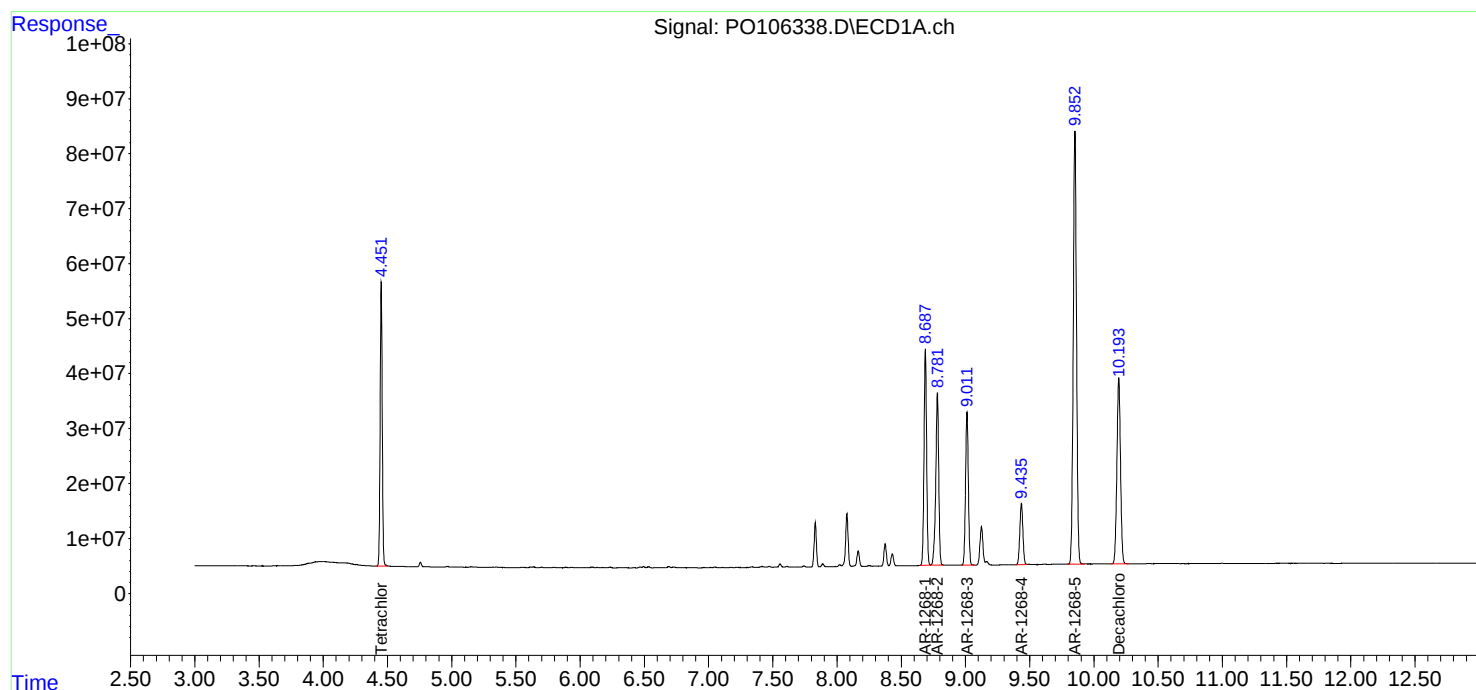
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106338.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 22:28
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: Sep 10 05:16:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 05:12:36 2024
Response via : 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\P0090924\
 Data File : P0106339.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 22:46
 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: Sep 10 05:12:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 05:12:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.451	3.715	400.4E6	148.8E6	50.000	50.000
2) SA Decachlor...	10.193	8.742	453.6E6	195.1E6	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	8.687	7.626	377.1E6	185.8E6	500.000	500.000
42) L9 AR-1268-2	8.781	7.690	343.2E6	168.2E6	500.000	500.000
43) L9 AR-1268-3	9.011	7.899	289.5E6	138.8E6	500.000	500.000
44) L9 AR-1268-4	9.435	8.185	127.5E6	58678644	500.000	500.000
45) L9 AR-1268-5	9.852	8.481	939.5E6	435.3E6	500.000	500.000

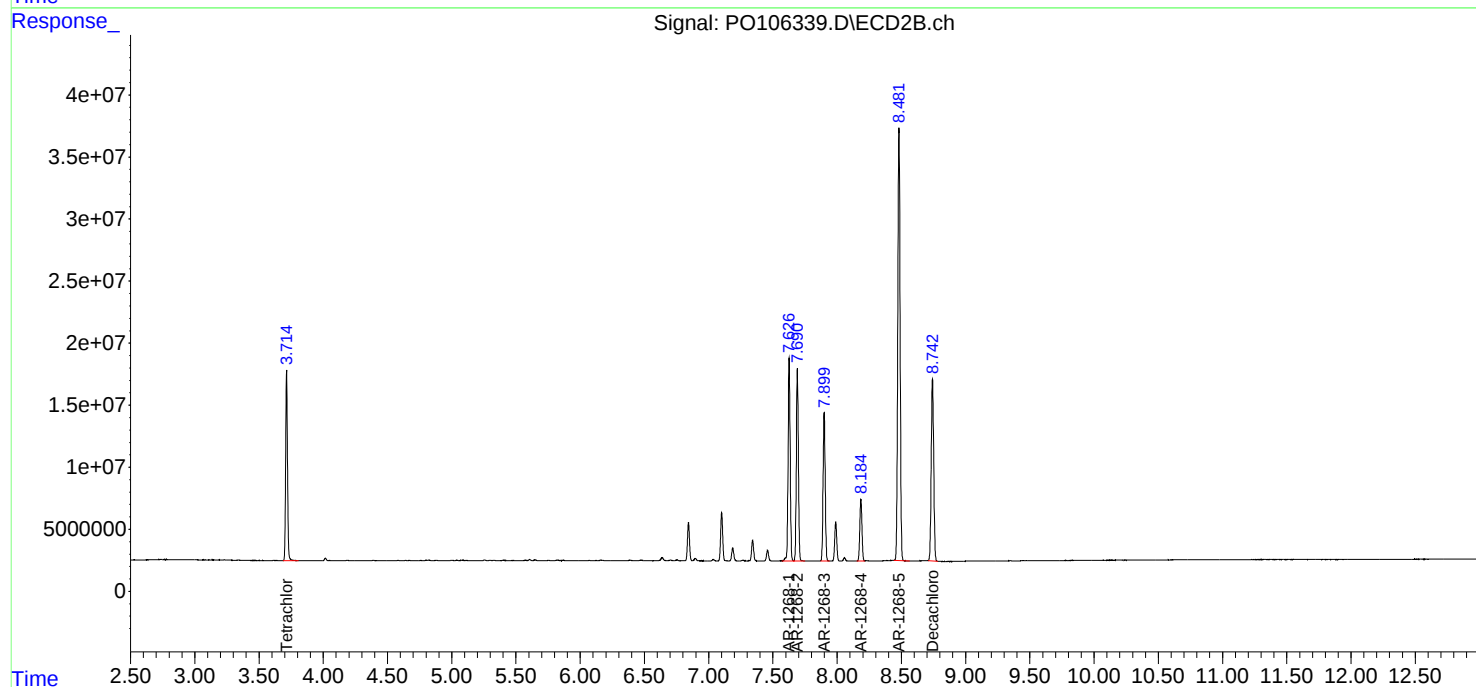
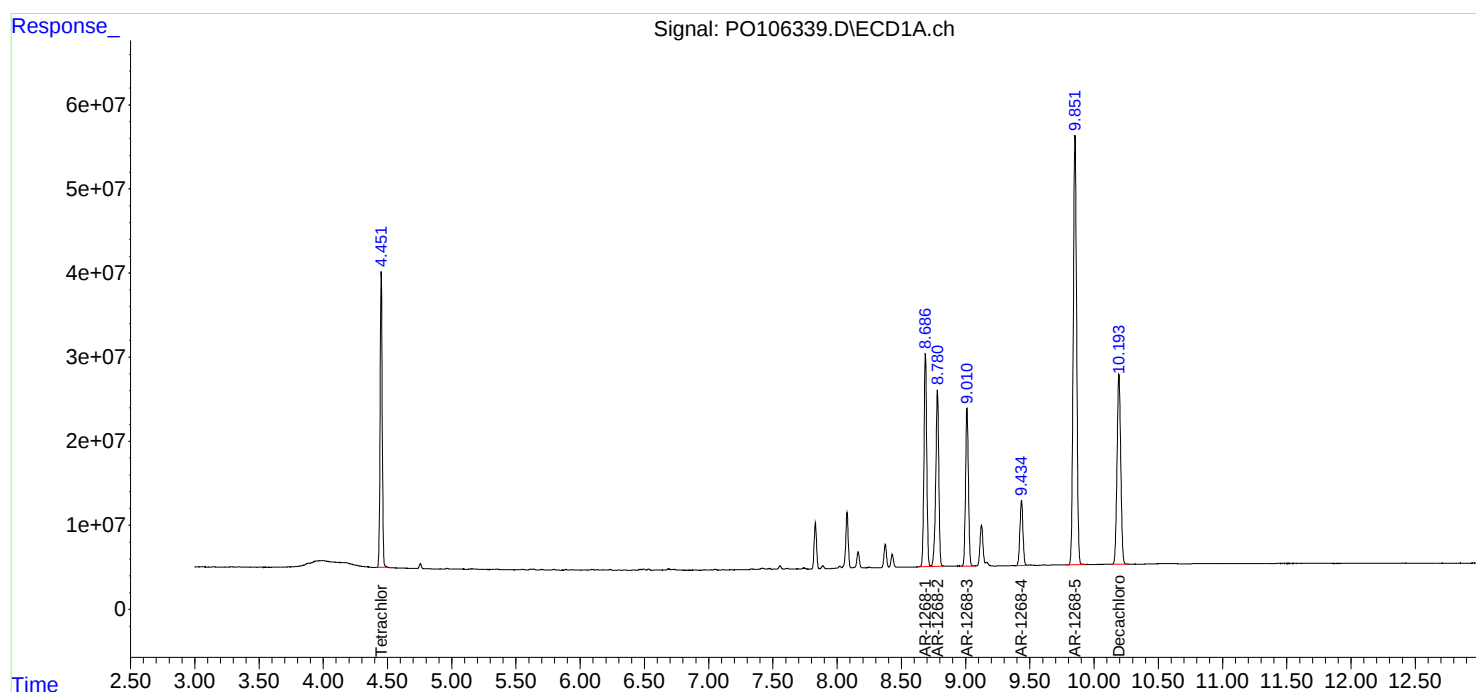
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106339.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 22:46
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: Sep 10 05:12:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 05:12:36 2024
Response via : 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\P0090924\
 Data File : P0106340.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 23:03
 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: Sep 10 05:13:46 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 05:12:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.452	3.715	200.3E6	72397738	25.016	24.330
2) SA Decachlor...	10.194	8.741	235.1E6	98986690	25.913	25.374
Target Compounds						
41) L9 AR-1268-1	8.687	7.627	192.8E6	93219529	255.712	250.891
42) L9 AR-1268-2	8.782	7.691	174.8E6	83814484	254.693	249.099
43) L9 AR-1268-3	9.012	7.899	148.2E6	69659856	255.903	250.855
44) L9 AR-1268-4	9.435	8.185	65086014	29711218	255.331	253.169
45) L9 AR-1268-5	9.852	8.481	473.8E6	215.1E6	252.158	247.123

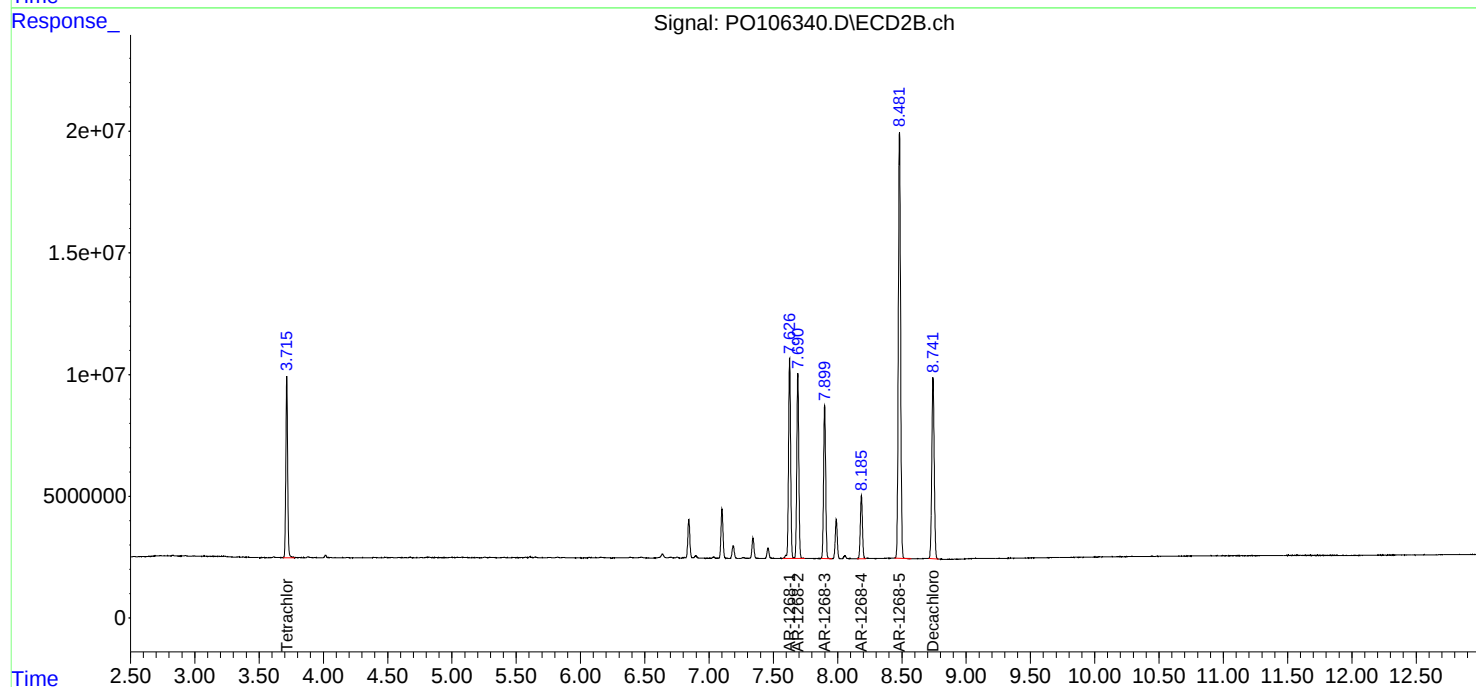
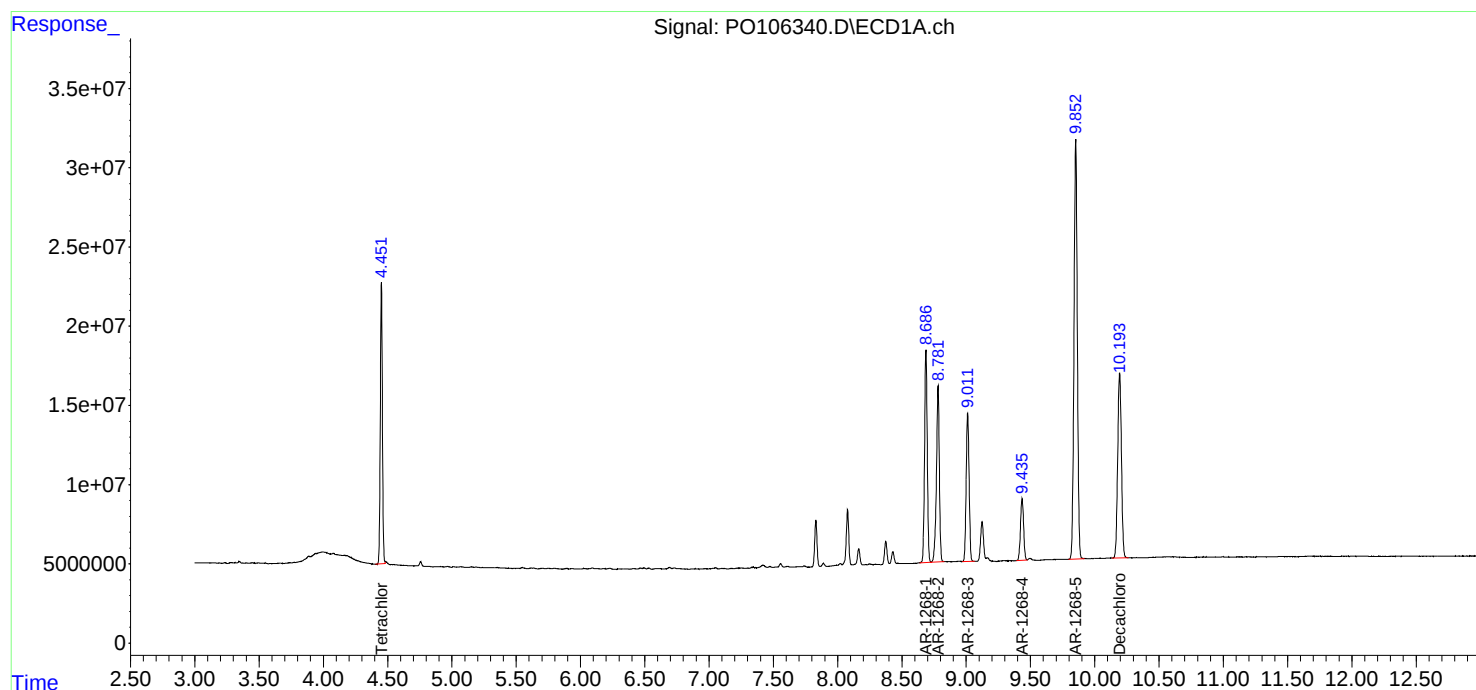
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106340.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 23:03
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: Sep 10 05:13:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 05:12:36 2024
Response via : 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\P0090924\
 Data File : P0106341.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 23:20
 Operator : YP/AJ
 Sample : AR1268ICC050
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 10 05:14:58 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 05:12:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.451	3.715	36907364	12365768	4.608	4.212
2) SA Decachlor...	10.193	8.742	44132625	17918966	4.778	4.559
Target Compounds						
41) L9 AR-1268-1	8.687	7.627	36357242	16731077	47.667	44.950
42) L9 AR-1268-2	8.780	7.691	32398101	14940208	46.757	44.483
43) L9 AR-1268-3	9.012	7.899	26950770	12330739	45.996	44.329
44) L9 AR-1268-4	9.434	8.185	11587221	5215526	44.977	44.162
45) L9 AR-1268-5	9.851	8.481	87087600	37622929	46.147	43.465

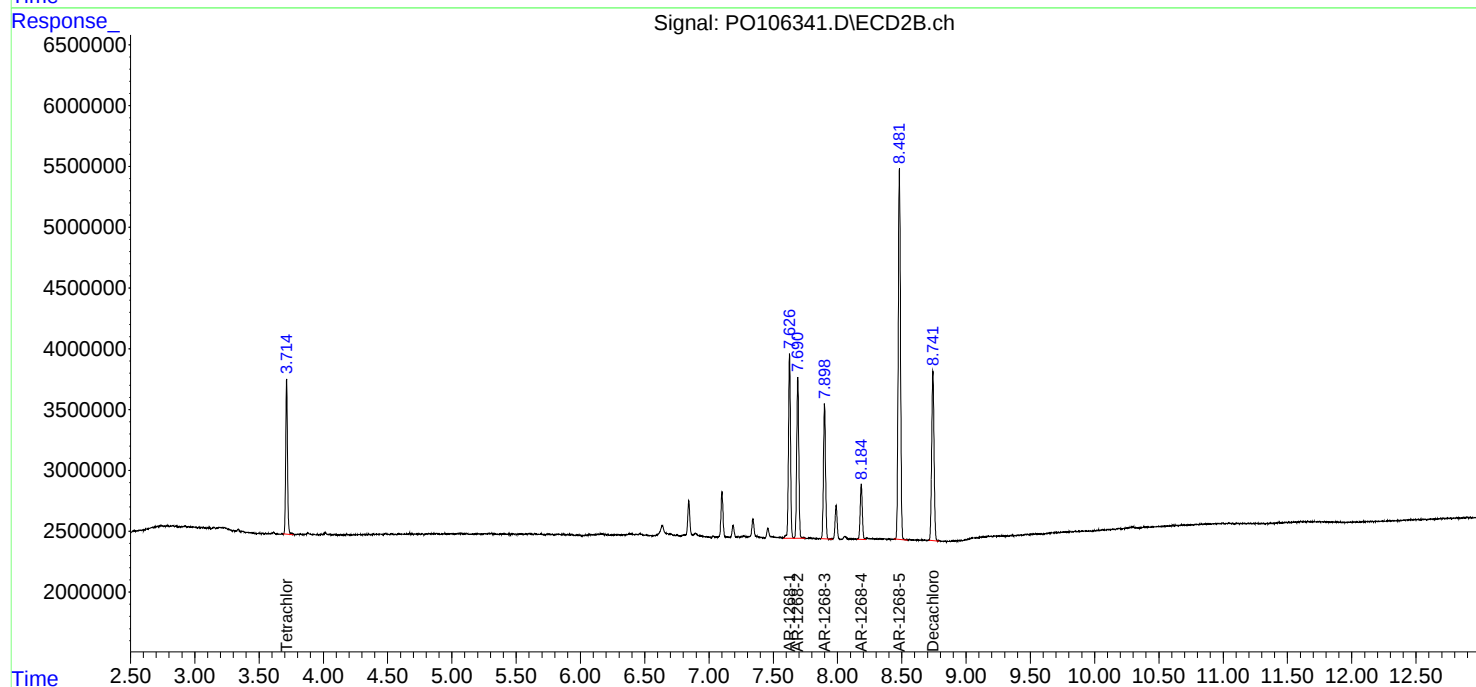
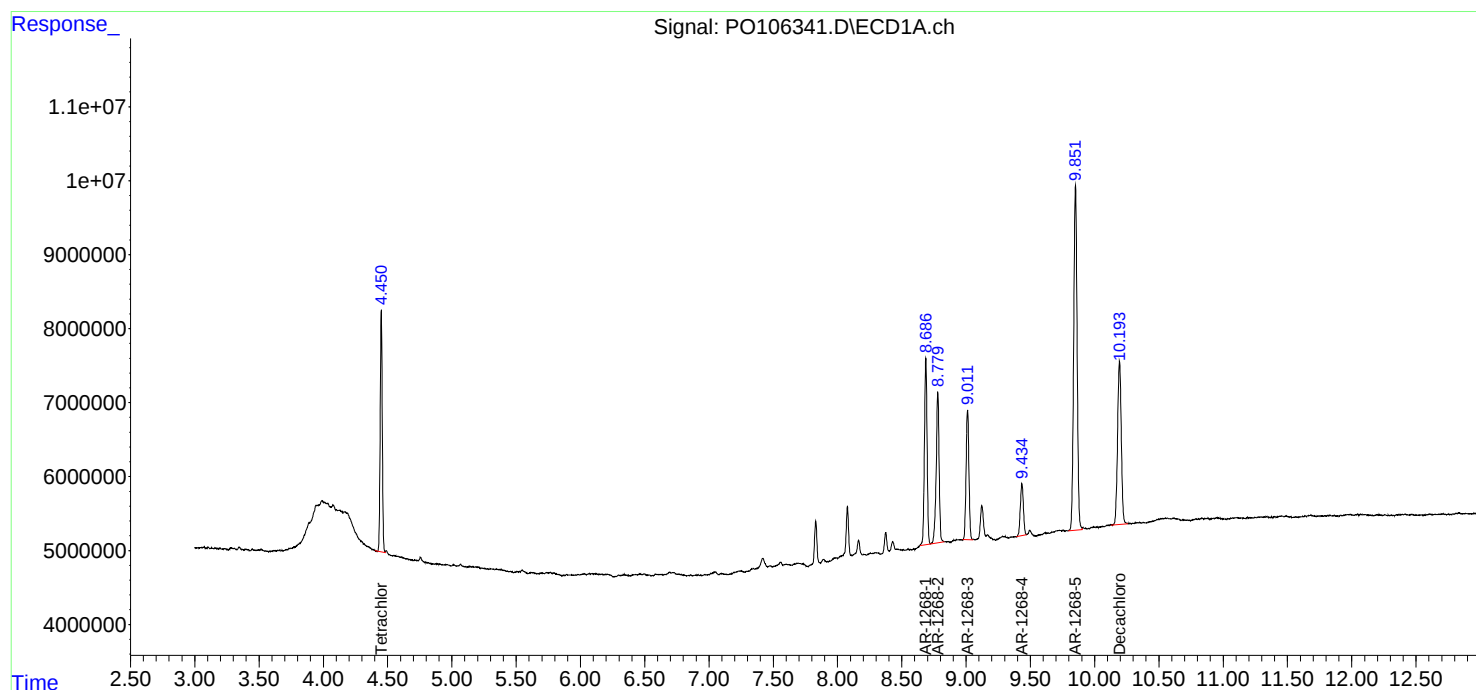
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 23:20
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 05:14:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 05:12:36 2024
Response via : 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\P0090924\
 Data File : P0106342.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 23:38
 Operator : YP/AJ
 Sample : P0090924ICV500
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO090924

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 10 08:54:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 08:53:28 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.452	3.715	421.8E6	153.1E6	56.231	57.308
2) SA Decachlor...	10.194	8.742	279.0E6	120.0E6	56.443	59.987
Target Compounds						
3) L1 AR-1016-1	5.616	4.804	139.5E6	54134343	546.257	568.323
4) L1 AR-1016-2	5.638	4.823	194.7E6	72585953	547.114	567.915
5) L1 AR-1016-3	5.700	5.001	120.1E6	39142040	551.082	567.419
6) L1 AR-1016-4	5.799	5.041	98101064	30108008	553.114	566.926
7) L1 AR-1016-5	6.093	5.256	94958171	39927839	550.195	558.934
31) L7 AR-1260-1	7.216	6.290	161.5E6	74606937	572.341	576.897
32) L7 AR-1260-2	7.472	6.476	189.9E6	91164776	569.102	574.415
33) L7 AR-1260-3	7.831	6.631	121.0E6	86119009	536.046	558.324
34) L7 AR-1260-4	8.056	7.103	147.3E6	61594308	532.236	579.349
35) L7 AR-1260-5	8.376	7.342	273.4E6	150.7E6	553.815	586.018

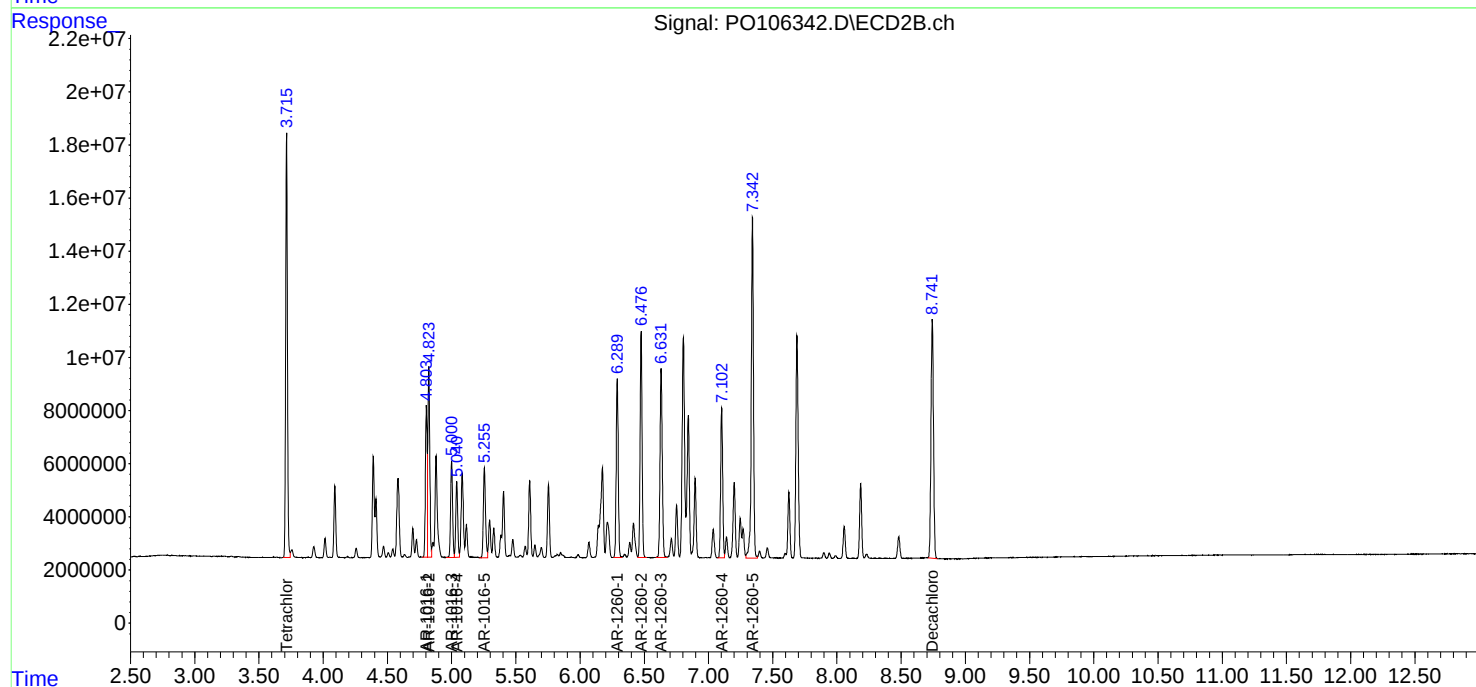
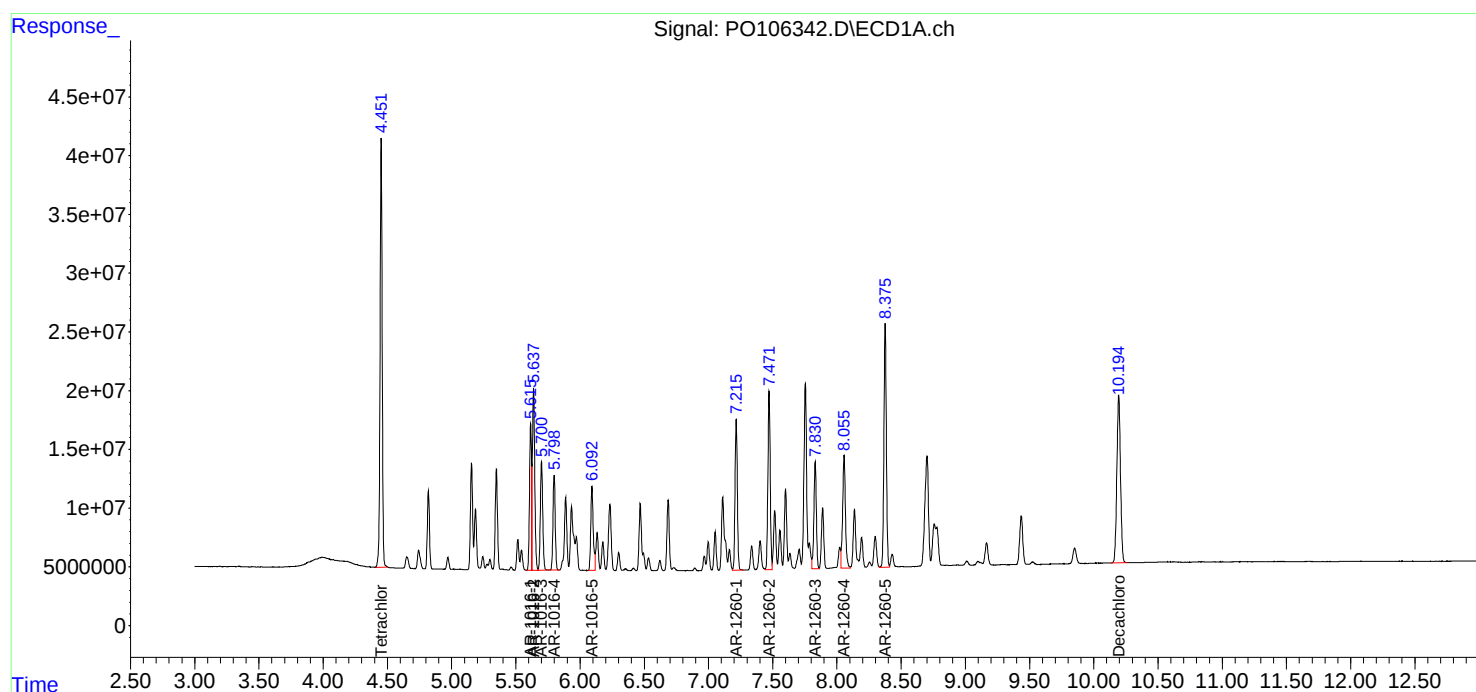
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106342.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 23:38
Operator : YP/AJ
Sample : PO090924ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO090924

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 08:54:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 08:53:28 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\P0090924\
 Data File : P0106343.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 23:55
 Operator : YP/AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO090924

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 10 08:51:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 08:50:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.452	3.715	409.9E6	149.4E6	53.933	54.984
2) SA Decachlor...	10.193	8.741	272.2E6	117.3E6	53.990	57.732
Target Compounds						
16) L4 AR-1242-1	5.615	4.804	105.5E6	40211215	526.494	544.555
17) L4 AR-1242-2	5.638	4.823	146.0E6	53875779	530.079	550.432
18) L4 AR-1242-3	5.700	5.000	91012305	29277621	530.573	545.721
19) L4 AR-1242-4	5.798	5.083	74292218	28600193	533.689	539.231
20) L4 AR-1242-5	6.533	5.607	74008408	37526440	532.132	537.302

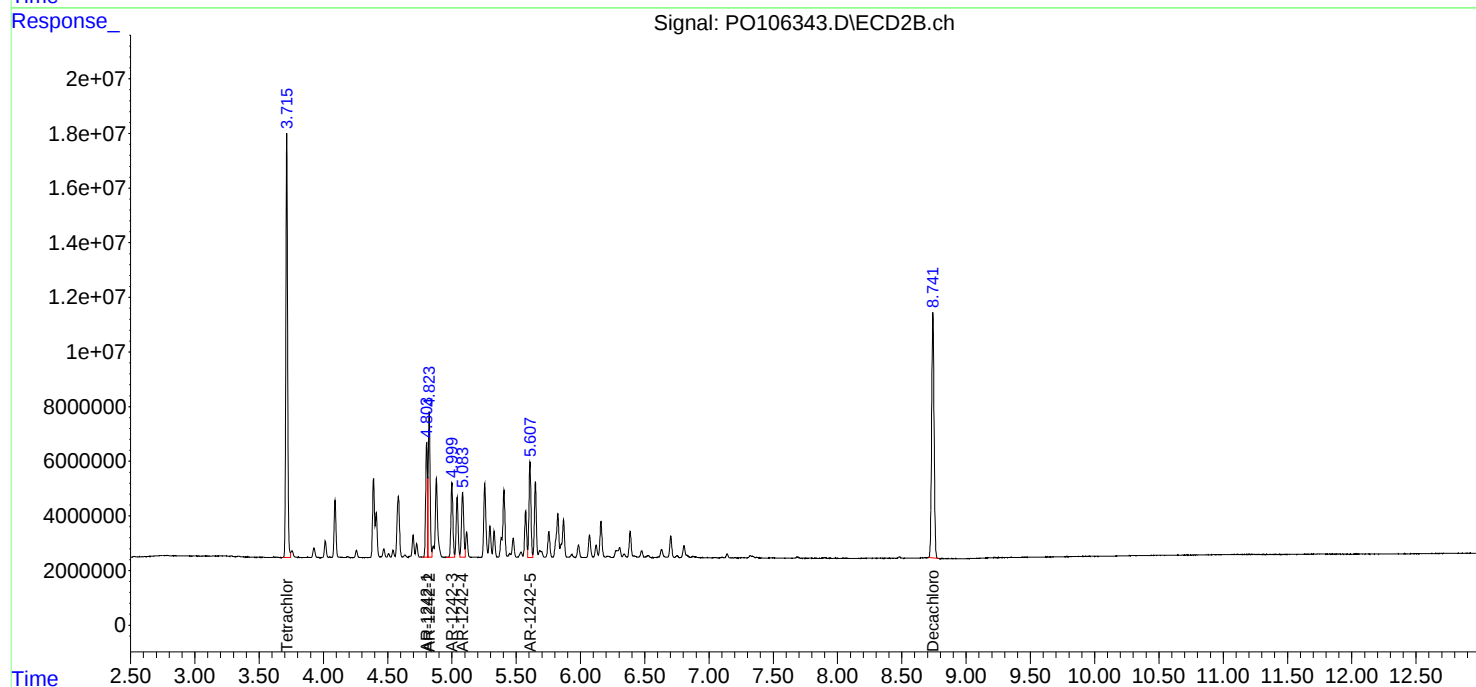
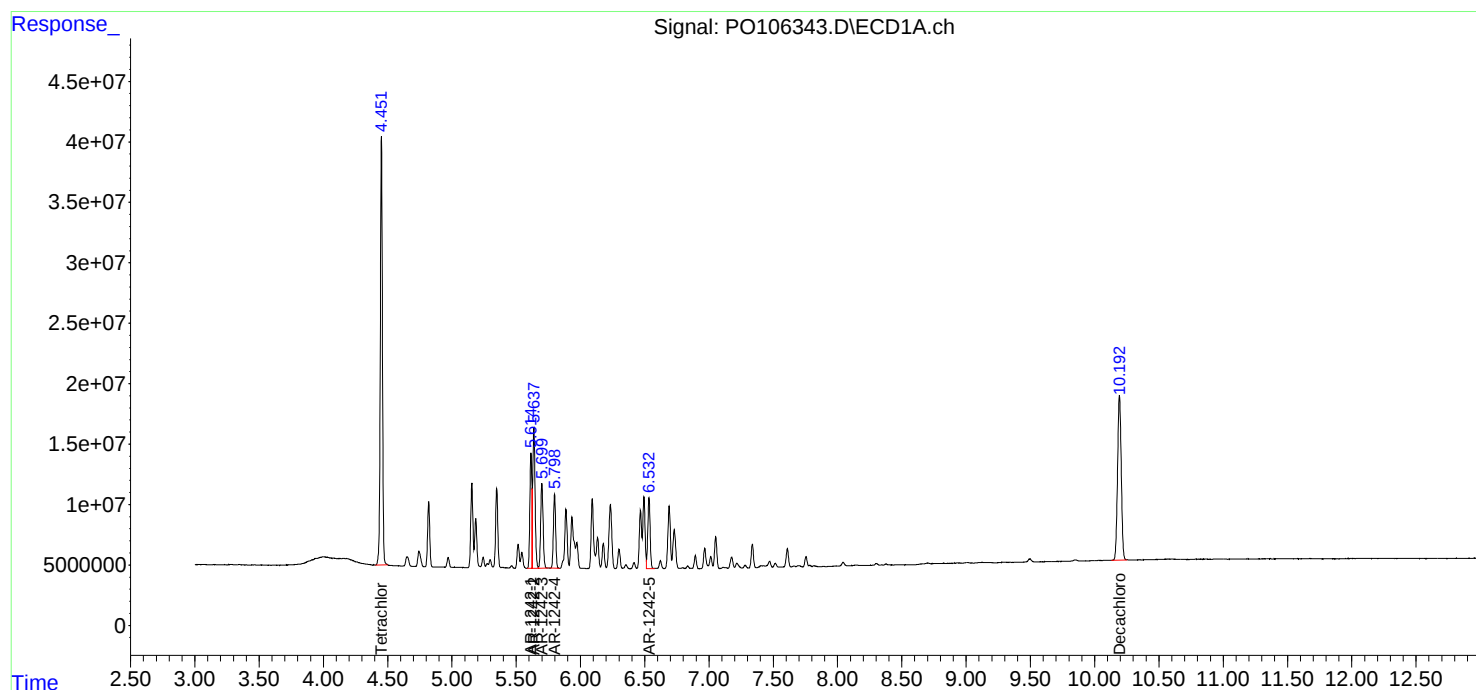
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106343.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 23:55
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO090924

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 08:51:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 08:50:36 2024
Response via : 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\P0090924\
 Data File : P0106344.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Sep 2024 00:12
 Operator : YP/AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO090924

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 10 04:29:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 04:20:50 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...	4.451	3.715	406.3E6	151.4E6	52.802	53.739
2) SA Decachlor...	10.194	8.741	274.1E6	117.9E6	52.983	54.933
Target Compounds						
21) L5 AR-1248-1	5.615	4.803	81986763	30595623	519.151	528.852
22) L5 AR-1248-2	5.888	5.040	113.1E6	41066984	521.598	525.397
23) L5 AR-1248-3	6.093	5.083	122.9E6	43117632	514.496	524.623
24) L5 AR-1248-4	6.494	5.255	135.1E6	51886140	514.609	528.457
25) L5 AR-1248-5	6.533	5.649	130.1E6	51455751	518.769	531.271

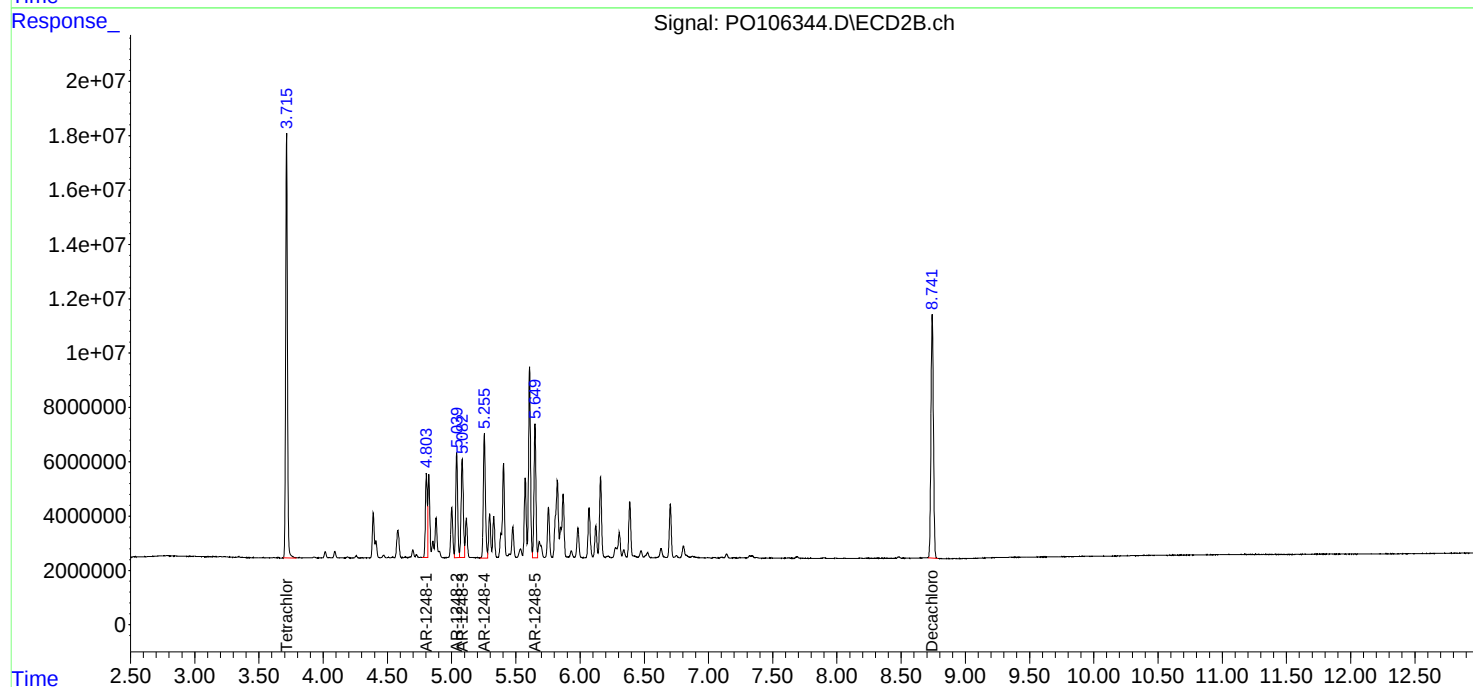
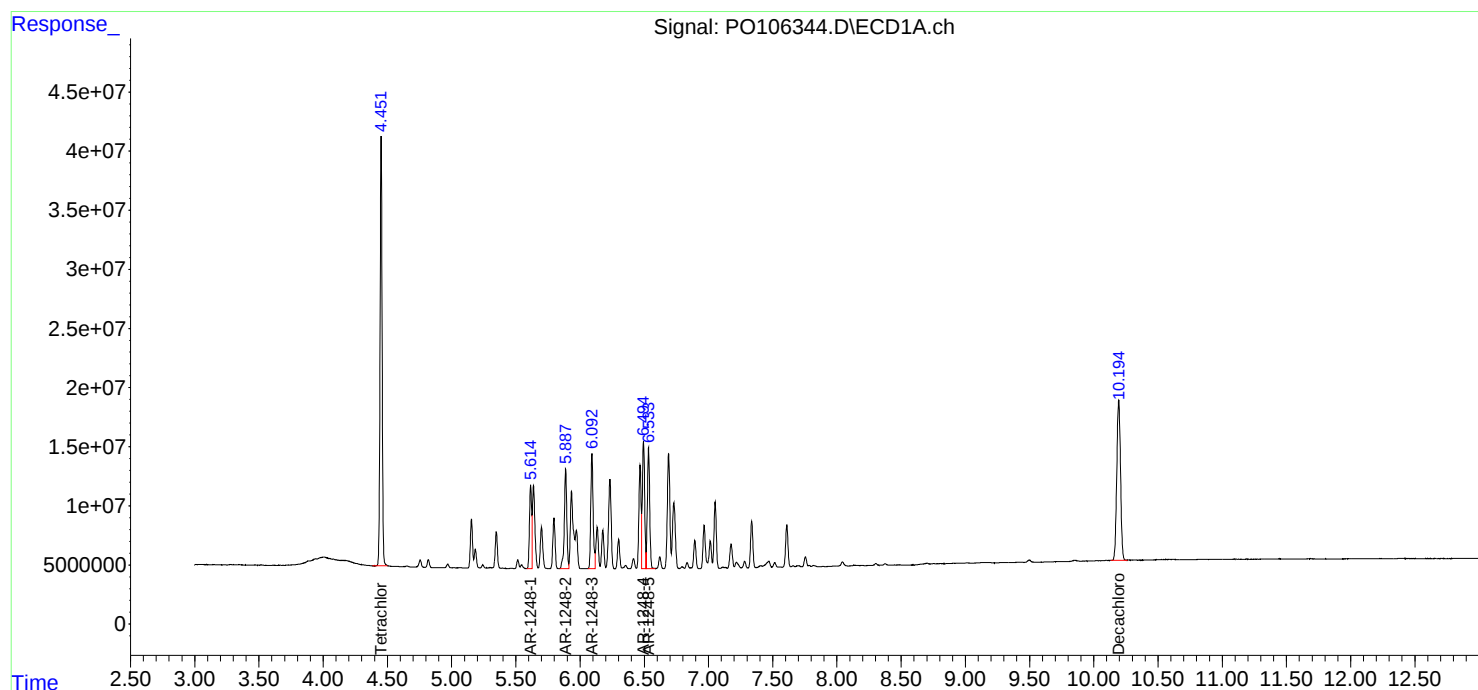
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 00:12
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO090924

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 04:29:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 04:20:50 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\P0090924\
 Data File : P0106345.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Sep 2024 00:30
 Operator : YP/AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO090924

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 10 04:56:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 04:31:44 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.451	3.714	409.7E6	152.6E6	53.075	54.163
2) SA Decachlor...	10.192	8.742	276.0E6	118.8E6	53.073	54.839
Target Compounds						
26) L6 AR-1254-1	6.469	5.607	133.5E6	75227911	512.265	534.071
27) L6 AR-1254-2	6.687	5.754	198.5E6	66886746	509.543	524.981
28) L6 AR-1254-3	7.052	6.159	201.3E6	107.6E6	516.211	534.429
29) L6 AR-1254-4	7.337	6.387	151.7E6	66739317	522.190	536.311
30) L6 AR-1254-5	7.755	6.805	165.4E6	96046707	543.627	536.242

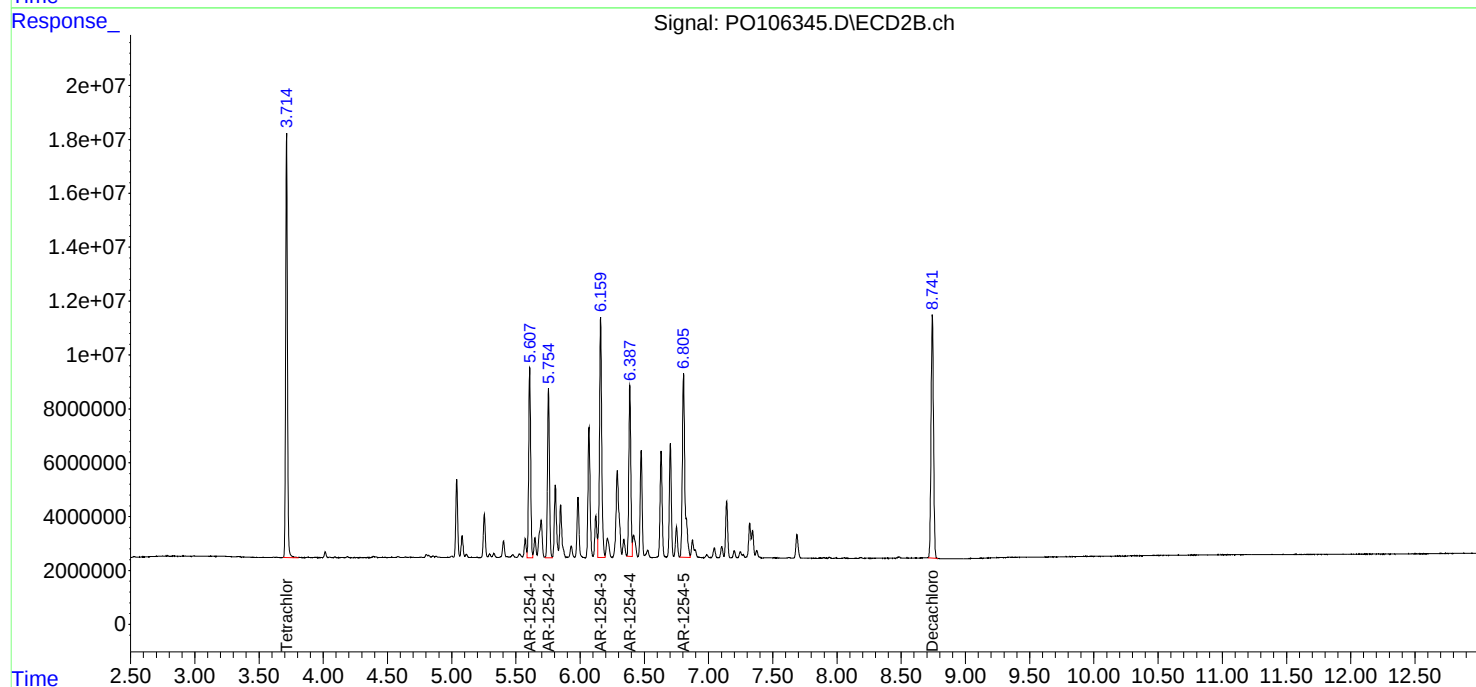
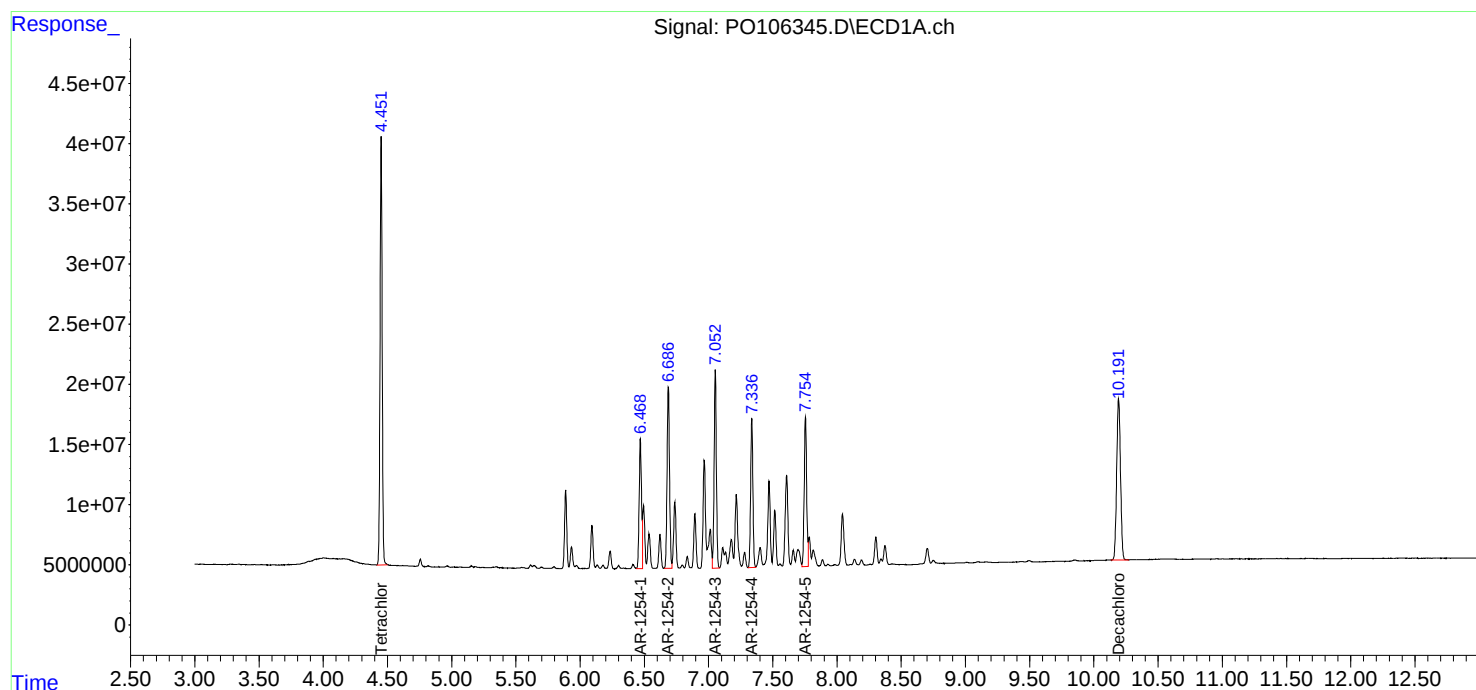
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 00:30
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO090924

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 04:56:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 04:31:44 2024
Response via : 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\P0090924\
 Data File : P0106346.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Sep 2024 00:47
 Operator : YP/AJ
 Sample : AR1268ICV500
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO090924

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 10 05:20:25 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 05:12:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.451	3.715	408.6E6	152.1E6	52.501	53.314
2) SA Decachlor...	10.193	8.741	464.4E6	203.9E6	51.905	53.595
Target Compounds						
41) L9 AR-1268-1	8.686	7.626	381.5E6	192.1E6	513.768	531.434
42) L9 AR-1268-2	8.781	7.690	347.8E6	174.2E6	517.019	533.146
43) L9 AR-1268-3	9.011	7.898	296.8E6	143.8E6	523.728	532.896
44) L9 AR-1268-4	9.434	8.184	130.5E6	61076583	527.418	536.902
45) L9 AR-1268-5	9.851	8.480	960.9E6	457.5E6	521.365	543.578

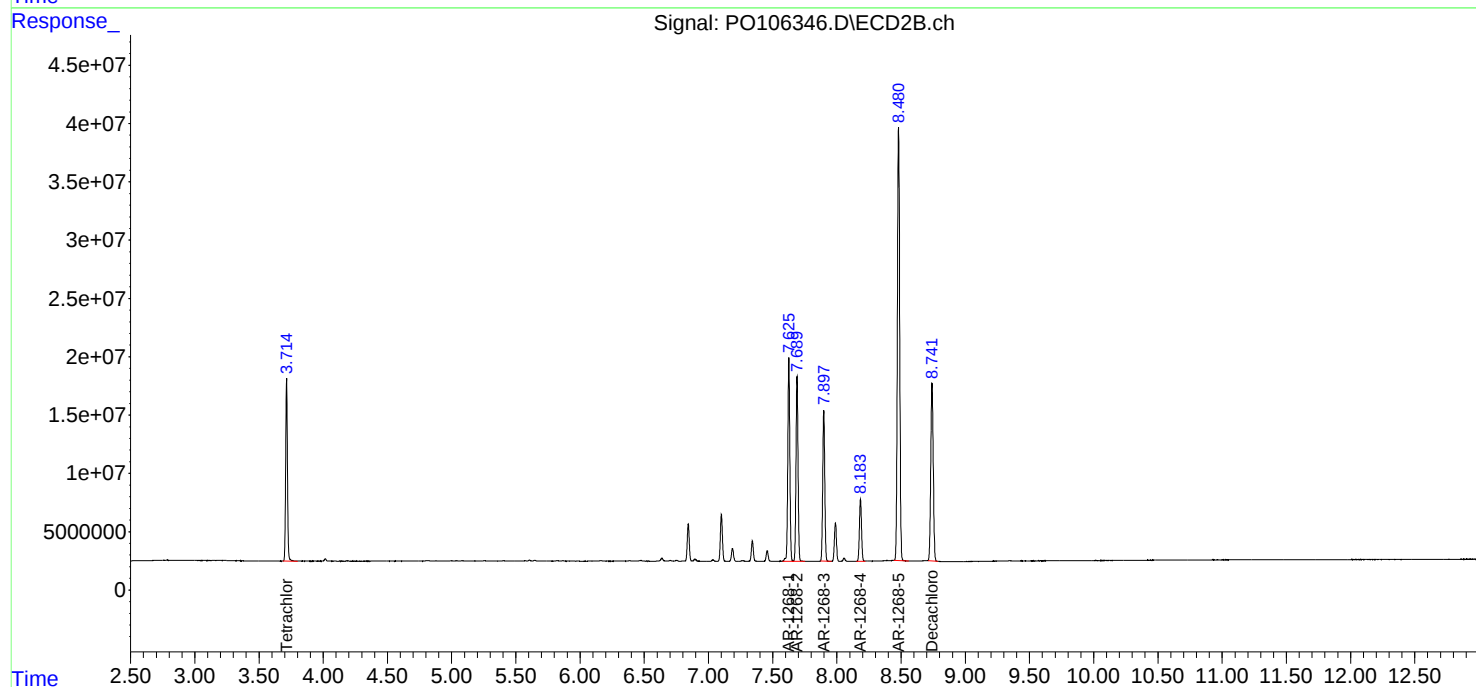
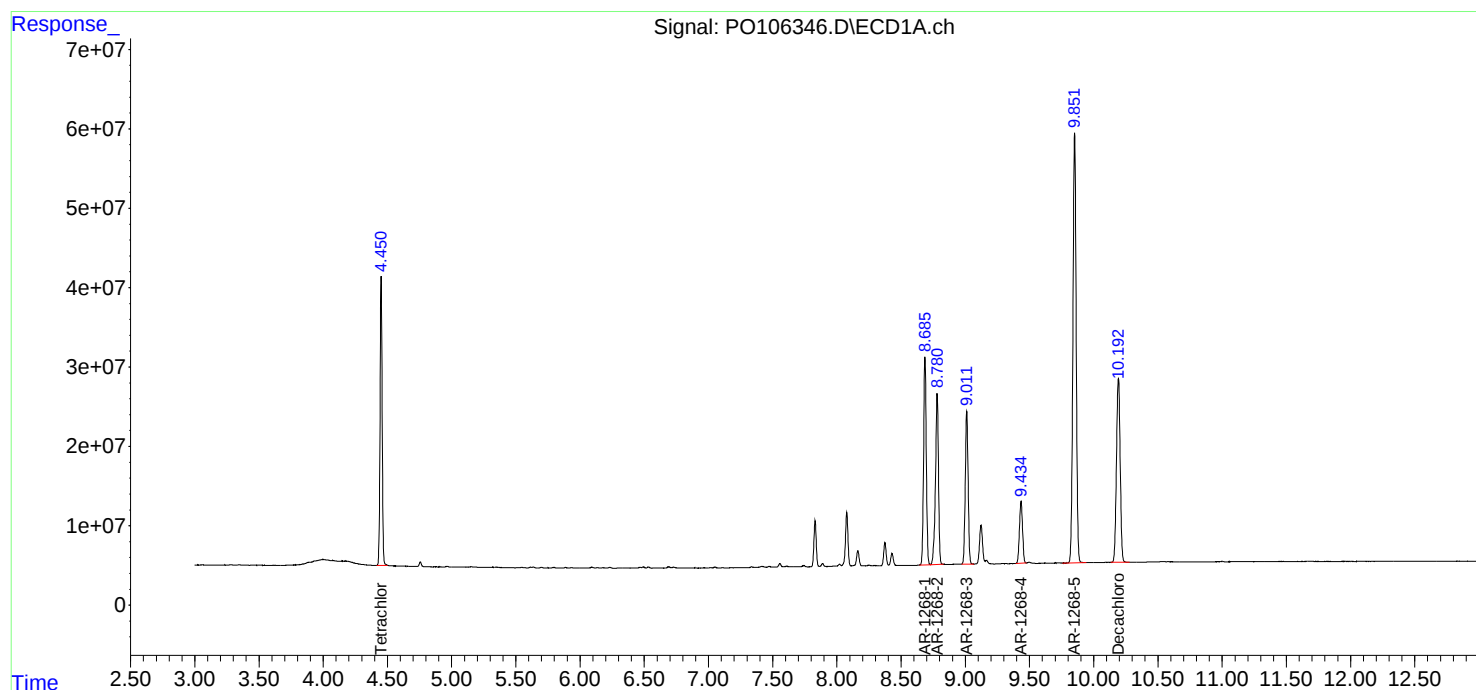
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106346.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 00:47
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO090924

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 05:20:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 05:12:36 2024
Response via : 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\P0090924\
 Data File : P0106347.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Sep 2024 09:19
 Operator : YP/AJ
 Sample : P0090924ICV500
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO090924

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 10 09:30:47 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 08:54:21 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.451	3.713	386.8E6	137.1E6	51.570	51.315
2) SA Decachlor...	10.196	8.741	260.5E6	113.0E6	52.708	56.471
Target Compounds						
3) L1 AR-1016-1	5.615	4.801	129.7E6	48865994	507.807	513.014
4) L1 AR-1016-2	5.638	4.821	179.6E6	65777094	504.592	514.642
5) L1 AR-1016-3	5.700	4.998	111.8E6	35460718	512.990	514.053
6) L1 AR-1016-4	5.798	5.039	91165135	27342437	514.008	514.851
7) L1 AR-1016-5	6.092	5.253	88685476	37180518	513.851	520.476
31) L7 AR-1260-1	7.217	6.288	150.6E6	68161336	533.679	527.057
32) L7 AR-1260-2	7.472	6.474	176.7E6	83950891	529.657	528.961
33) L7 AR-1260-3	7.831	6.629	116.2E6	79487193	514.973	515.329
34) L7 AR-1260-4	8.056	7.101	141.4E6	56758397	511.033	533.863
35) L7 AR-1260-5	8.376	7.340	257.2E6	138.6E6	521.048	538.953

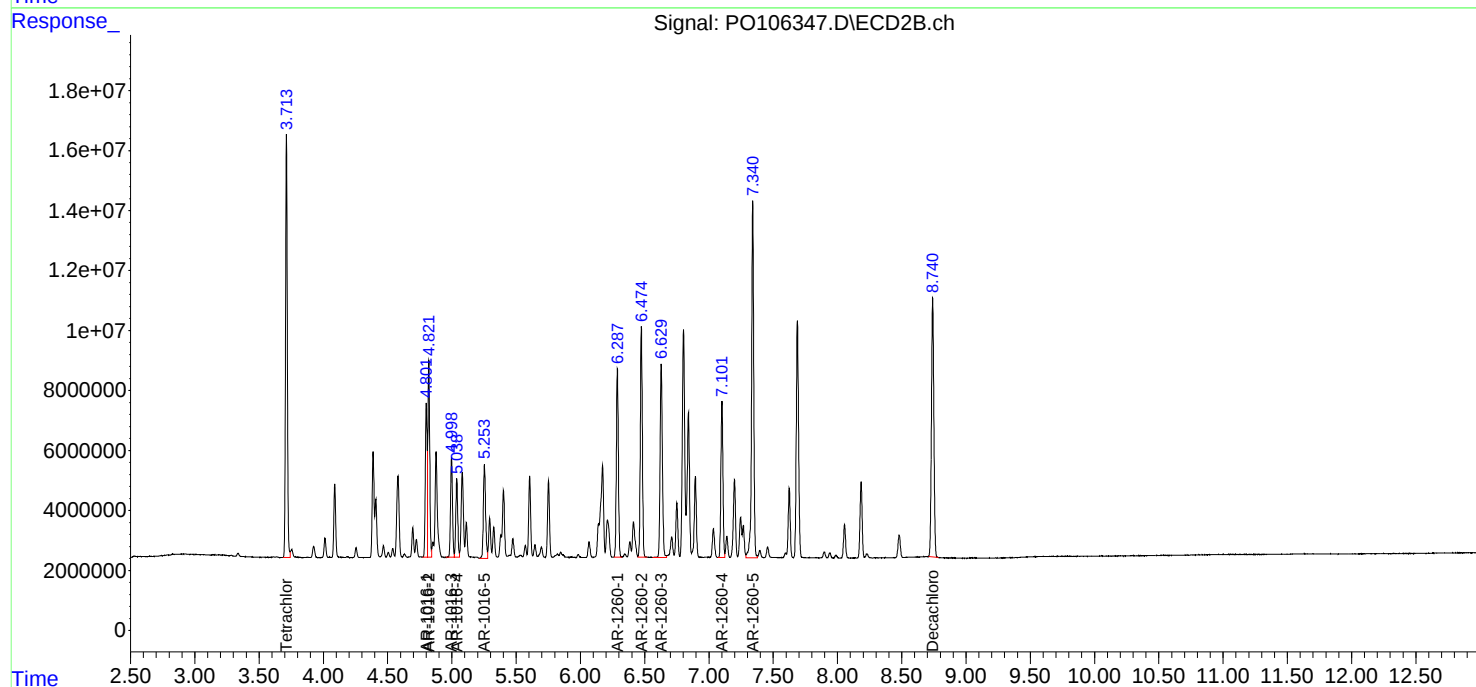
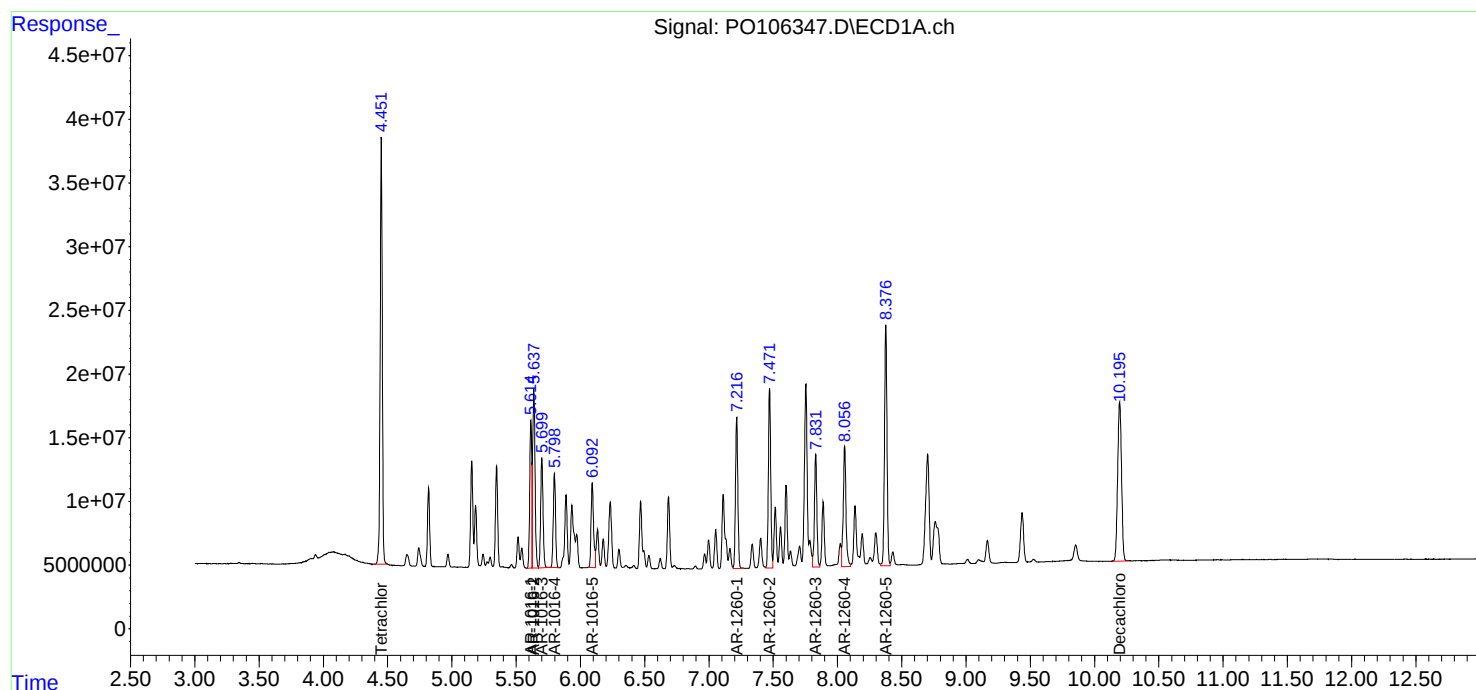
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106347.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 09:19
Operator : YP/AJ
Sample : PO090924ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO090924

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:30:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 08:54:21 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0090924\
 Data File : P0106348.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Sep 2024 09:36
 Operator : YP/AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO090924

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 10 09:48:04 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 08:54:21 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.451	3.714	373.9E6	133.1E6	49.851	49.810
2) SA Decachlor...	10.194	8.740	250.2E6	109.7E6	50.624	54.820
Target Compounds						
16) L4 AR-1242-1	5.614	4.802	97493742	36145932	486.731	489.501
17) L4 AR-1242-2	5.637	4.821	133.1E6	48177321	483.286	492.213
18) L4 AR-1242-3	5.699	4.998	83533363	26217487	486.973	488.681
19) L4 AR-1242-4	5.798	5.081	68242153	25777799	490.227	486.017
20) L4 AR-1242-5	6.533	5.605	67616518	33929859	486.173	485.806

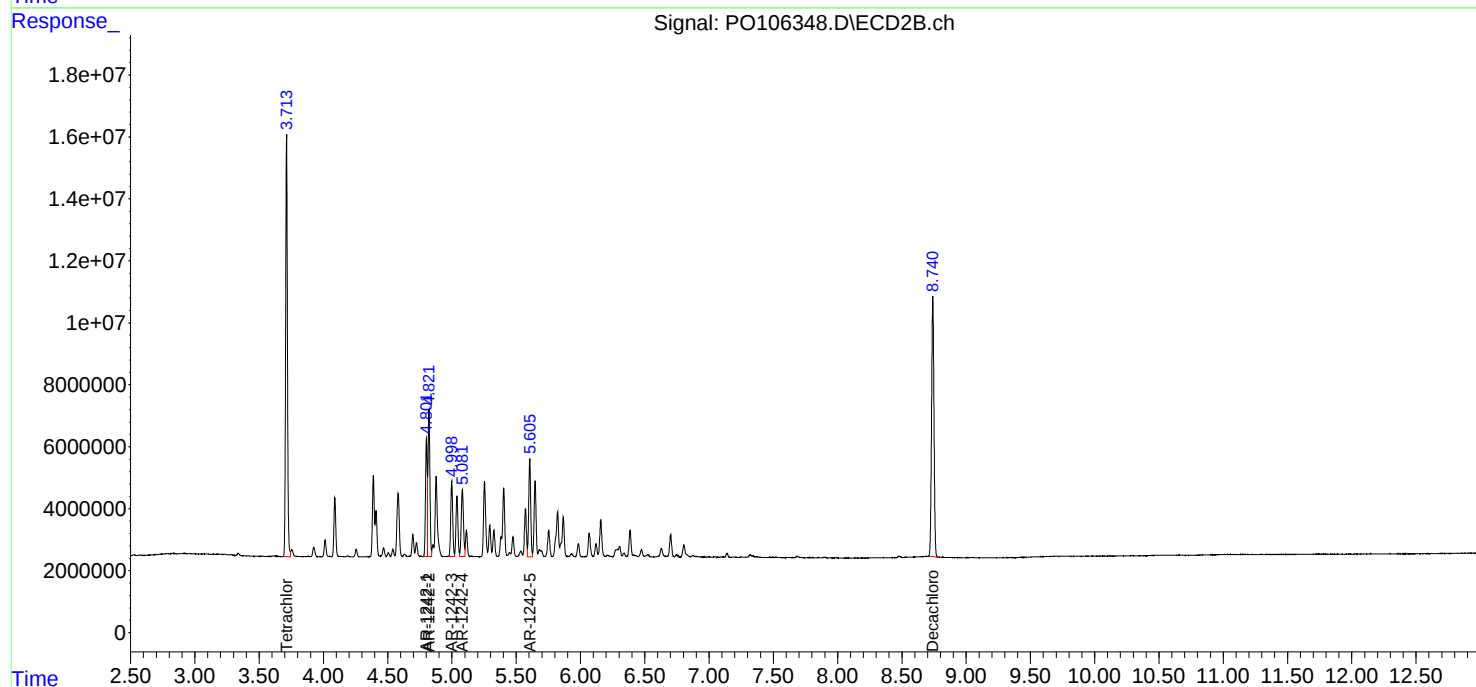
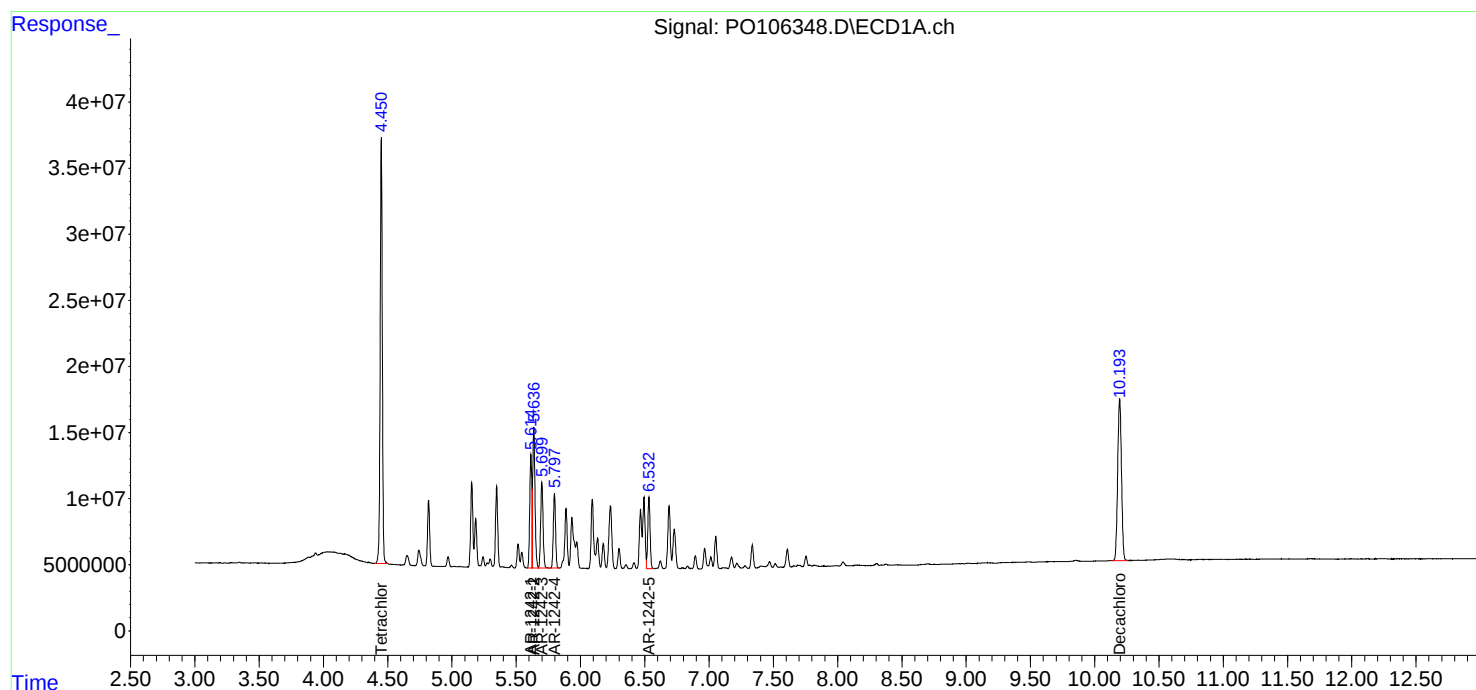
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106348.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 09:36
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO090924

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:48:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 08:54:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm 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: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

Continuing Calib Date: 09/19/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 14:10 Initial Calibration Time(s): 15:31 23:20

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.62	5.62	5.52	5.72	0.00
Aroclor-1016-2	(2)	5.64	5.64	5.54	5.74	0.00
Aroclor-1016-3	(3)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-4	(4)	5.80	5.80	5.70	5.90	0.00
Aroclor-1016-5	(5)	6.09	6.10	6.00	6.20	0.01
Aroclor-1260-1	(1)	7.22	7.22	7.12	7.32	0.00
Aroclor-1260-2	(2)	7.47	7.48	7.38	7.58	0.01
Aroclor-1260-3	(3)	7.83	7.83	7.73	7.93	0.00
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.45	4.45	4.35	4.55	0.00
Decachlorobiphenyl		10.20	10.20	10.10	10.30	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

Continuing Calib Date: 09/19/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 14:10 Initial Calibration Time(s): 15:31 23:20

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.80	4.81	4.71	4.91	0.01
Aroclor-1016-2	(2)	4.82	4.83	4.73	4.93	0.01
Aroclor-1016-3	(3)	5.00	5.00	4.90	5.10	0.00
Aroclor-1016-4	(4)	5.04	5.04	4.94	5.14	0.00
Aroclor-1016-5	(5)	5.25	5.26	5.16	5.36	0.01
Aroclor-1260-1	(1)	6.29	6.29	6.19	6.39	0.00
Aroclor-1260-2	(2)	6.47	6.48	6.38	6.58	0.01
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	7.10	7.11	7.01	7.21	0.01
Aroclor-1260-5	(5)	7.34	7.35	7.25	7.45	0.01
Tetrachloro-m-xylene		3.71	3.72	3.62	3.82	0.01
Decachlorobiphenyl		8.74	8.75	8.65	8.85	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

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

Client Sample No.: CCAL01 Date Analyzed: 09/19/2024

Lab Sample No.: AR1660CCC500 Data File : PO106689.D Time Analyzed: 14:10

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.616	5.517	5.717	573.610	500.000	14.7
Aroclor-1016-2	5.639	5.540	5.740	577.330	500.000	15.5
Aroclor-1016-3	5.701	5.602	5.802	578.600	500.000	15.7
Aroclor-1016-4	5.799	5.701	5.901	581.470	500.000	16.3
Aroclor-1016-5	6.093	5.995	6.195	580.420	500.000	16.1
Aroclor-1260-1	7.218	7.119	7.319	573.860	500.000	14.8
Aroclor-1260-2	7.474	7.375	7.575	555.450	500.000	11.1
Aroclor-1260-3	7.833	7.734	7.934	527.570	500.000	5.5
Aroclor-1260-4	8.059	7.959	8.159	527.520	500.000	5.5
Aroclor-1260-5	8.378	8.279	8.479	522.640	500.000	4.5
Decachlorobiphenyl	10.200	10.097	10.297	51.670	50.000	3.3
Tetrachloro-m-xylene	4.452	4.354	4.554	58.870	50.000	17.7



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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

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

Client Sample No.: CCAL01 Date Analyzed: 09/19/2024

Lab Sample No.: AR1660CCC500 Data File : PO106689.D Time Analyzed: 14:10

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.800	4.706	4.906	520.620	500.000	4.1
Aroclor-1016-2	4.819	4.726	4.926	517.160	500.000	3.4
Aroclor-1016-3	4.996	4.903	5.103	519.220	500.000	3.8
Aroclor-1016-4	5.036	4.943	5.143	512.890	500.000	2.6
Aroclor-1016-5	5.252	5.158	5.358	555.520	500.000	11.1
Aroclor-1260-1	6.286	6.193	6.393	534.600	500.000	6.9
Aroclor-1260-2	6.472	6.380	6.580	536.260	500.000	7.3
Aroclor-1260-3	6.627	6.534	6.734	521.060	500.000	4.2
Aroclor-1260-4	7.100	7.007	7.207	547.090	500.000	9.4
Aroclor-1260-5	7.339	7.245	7.445	548.730	500.000	9.7
Decachlorobiphenyl	8.738	8.646	8.846	54.410	50.000	8.8
Tetrachloro-m-xylene	3.713	3.617	3.817	53.200	50.000	6.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0091924\
 Data File : P0106689.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2024 14:10
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 20 05:16:23 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 09:57:51 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.452	3.713	441.6E6	142.1E6	58.871	53.195
2) SA Decachlor...	10.200	8.738	255.4E6	108.8E6	51.667	54.409
Target Compounds						
3) L1 AR-1016-1	5.616	4.800	146.5E6	49590905	573.615	520.624
4) L1 AR-1016-2	5.639	4.819	205.5E6	66098920	577.330	517.160
5) L1 AR-1016-3	5.701	4.996	126.1E6	35817259	578.597	519.221
6) L1 AR-1016-4	5.799	5.036	103.1E6	27238143	581.474	512.887
7) L1 AR-1016-5	6.093	5.252	100.2E6	39683652	580.421	555.516
31) L7 AR-1260-1	7.218	6.286	161.9E6	69136967	573.858	534.601
32) L7 AR-1260-2	7.474	6.472	185.3E6	85110084	555.454	536.265
33) L7 AR-1260-3	7.833	6.627	119.1E6	80370499	527.570	521.055
34) L7 AR-1260-4	8.059	7.100	146.0E6	58164542	527.518	547.089
35) L7 AR-1260-5	8.378	7.339	258.0E6	141.1E6	522.641	548.731

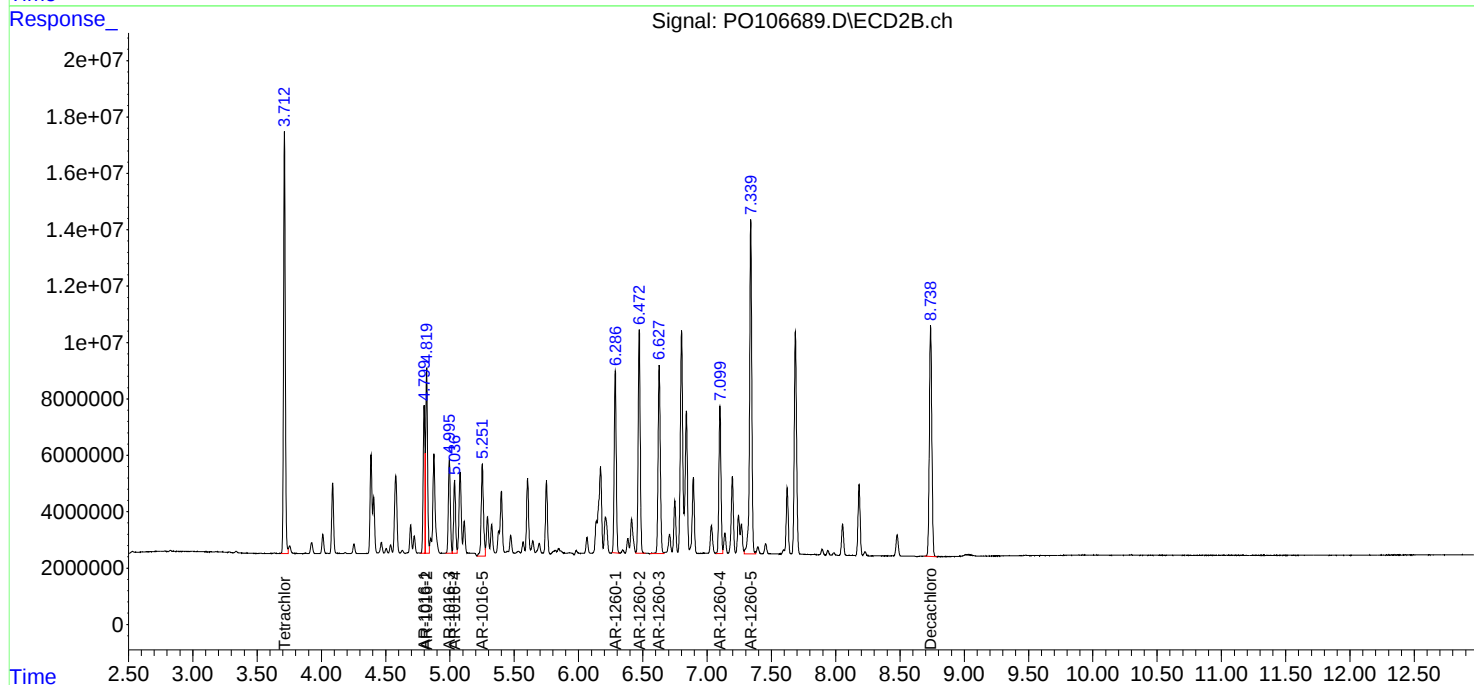
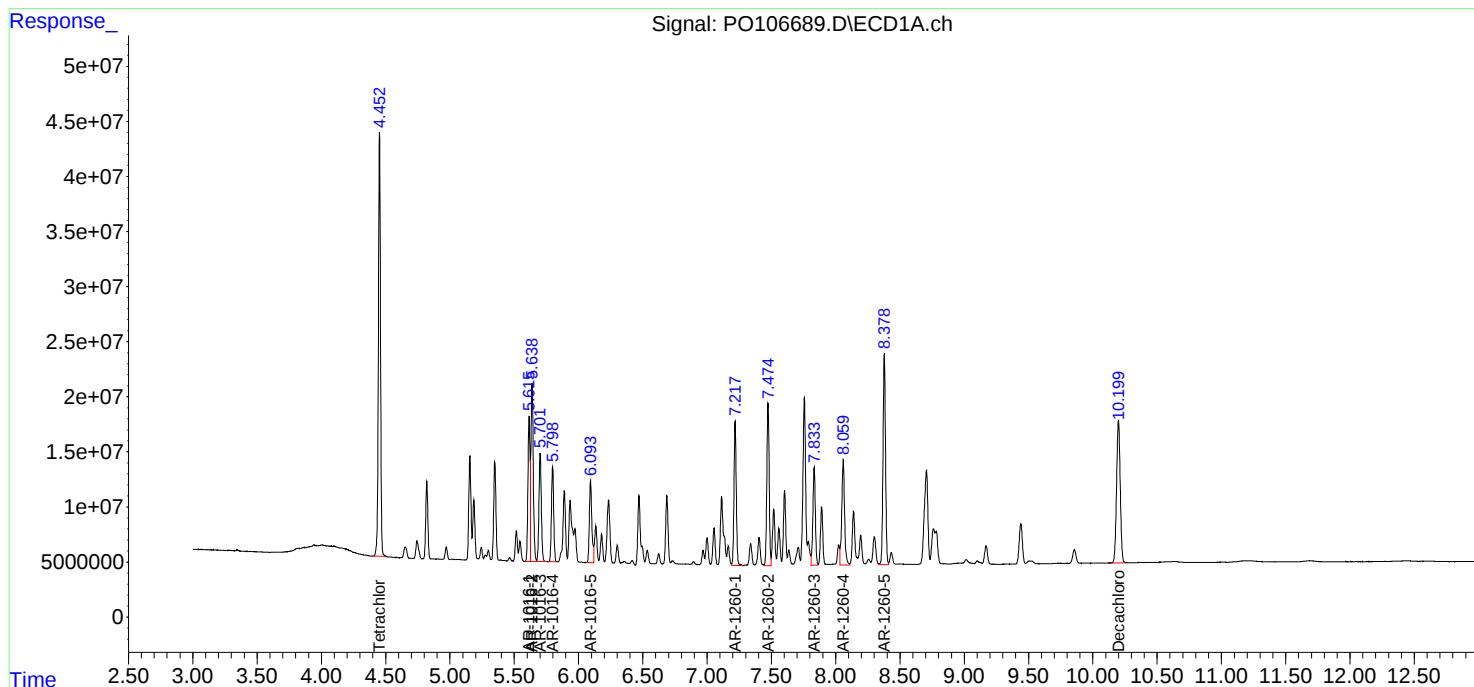
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO091924\
Data File : PO106689.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2024 14:10
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 05:16:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 09:57:51 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm 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: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

Continuing Calib Date: 09/19/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 20:03 Initial Calibration Time(s): 15:31 23:20

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.61	5.62	5.52	5.72	0.01
Aroclor-1016-2	(2)	5.64	5.64	5.54	5.74	0.00
Aroclor-1016-3	(3)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-4	(4)	5.80	5.80	5.70	5.90	0.00
Aroclor-1016-5	(5)	6.09	6.10	6.00	6.20	0.01
Aroclor-1260-1	(1)	7.22	7.22	7.12	7.32	0.00
Aroclor-1260-2	(2)	7.47	7.48	7.38	7.58	0.01
Aroclor-1260-3	(3)	7.83	7.83	7.73	7.93	0.00
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.45	4.45	4.35	4.55	0.00
Decachlorobiphenyl		10.20	10.20	10.10	10.30	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

Continuing Calib Date: 09/19/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 20:03 Initial Calibration Time(s): 15:31 23:20

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.80	4.81	4.71	4.91	0.01
Aroclor-1016-2	(2)	4.82	4.83	4.73	4.93	0.01
Aroclor-1016-3	(3)	5.00	5.00	4.90	5.10	0.00
Aroclor-1016-4	(4)	5.04	5.04	4.94	5.14	0.00
Aroclor-1016-5	(5)	5.25	5.26	5.16	5.36	0.01
Aroclor-1260-1	(1)	6.29	6.29	6.19	6.39	0.00
Aroclor-1260-2	(2)	6.47	6.48	6.38	6.58	0.01
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	7.10	7.11	7.01	7.21	0.01
Aroclor-1260-5	(5)	7.34	7.35	7.25	7.45	0.01
Tetrachloro-m-xylene		3.71	3.72	3.62	3.82	0.01
Decachlorobiphenyl		8.74	8.75	8.65	8.85	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

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

Client Sample No.: CCAL02 Date Analyzed: 09/19/2024

Lab Sample No.: AR1660CCC500 Data File : PO106704.D Time Analyzed: 20:03

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.614	5.517	5.717	543.470	500.000	8.7
Aroclor-1016-2	5.637	5.540	5.740	544.110	500.000	8.8
Aroclor-1016-3	5.699	5.602	5.802	544.460	500.000	8.9
Aroclor-1016-4	5.797	5.701	5.901	545.010	500.000	9.0
Aroclor-1016-5	6.091	5.995	6.195	536.340	500.000	7.3
Aroclor-1260-1	7.216	7.119	7.319	541.900	500.000	8.4
Aroclor-1260-2	7.472	7.375	7.575	521.450	500.000	4.3
Aroclor-1260-3	7.831	7.734	7.934	478.320	500.000	-4.3
Aroclor-1260-4	8.057	7.959	8.159	469.090	500.000	-6.2
Aroclor-1260-5	8.376	8.279	8.479	488.310	500.000	-2.3
Decachlorobiphenyl	10.195	10.097	10.297	50.390	50.000	0.8
Tetrachloro-m-xylene	4.450	4.354	4.554	56.460	50.000	12.9



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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

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

Client Sample No.: CCAL02 Date Analyzed: 09/19/2024

Lab Sample No.: AR1660CCC500 Data File : PO106704.D Time Analyzed: 20:03

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.800	4.706	4.906	514.400	500.000	2.9
Aroclor-1016-2	4.819	4.726	4.926	507.980	500.000	1.6
Aroclor-1016-3	4.996	4.903	5.103	508.640	500.000	1.7
Aroclor-1016-4	5.036	4.943	5.143	501.030	500.000	0.2
Aroclor-1016-5	5.251	5.158	5.358	553.270	500.000	10.7
Aroclor-1260-1	6.286	6.193	6.393	512.960	500.000	2.6
Aroclor-1260-2	6.473	6.380	6.580	516.460	500.000	3.3
Aroclor-1260-3	6.627	6.534	6.734	496.550	500.000	-0.7
Aroclor-1260-4	7.099	7.007	7.207	512.250	500.000	2.5
Aroclor-1260-5	7.339	7.245	7.445	513.530	500.000	2.7
Decachlorobiphenyl	8.737	8.646	8.846	54.190	50.000	8.4
Tetrachloro-m-xylene	3.713	3.617	3.817	51.840	50.000	3.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0091924\
 Data File : P0106704.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2024 20:03
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 20 05:22:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 09:57:51 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.450	3.713	423.5E6	138.5E6	56.462	51.844
2) SA Decachlor...	10.195	8.737	249.1E6	108.4E6	50.393	54.189
Target Compounds						
3) L1 AR-1016-1	5.614	4.800	138.8E6	48997849	543.466	514.398
4) L1 AR-1016-2	5.637	4.819	193.7E6	64925856	544.107	507.982
5) L1 AR-1016-3	5.699	4.996	118.7E6	35087006	544.462	508.635
6) L1 AR-1016-4	5.797	5.036	96663866	26608518	545.011	501.031
7) L1 AR-1016-5	6.091	5.251	92566225	39523286	536.336	553.271
31) L7 AR-1260-1	7.216	6.286	152.9E6	66338375	541.896	512.961
32) L7 AR-1260-2	7.472	6.473	174.0E6	81967241	521.452	516.462
33) L7 AR-1260-3	7.831	6.627	108.0E6	76590771	478.322	496.551
34) L7 AR-1260-4	8.057	7.099	129.8E6	54460614	469.088	512.250
35) L7 AR-1260-5	8.376	7.339	241.0E6	132.1E6	488.312	513.530

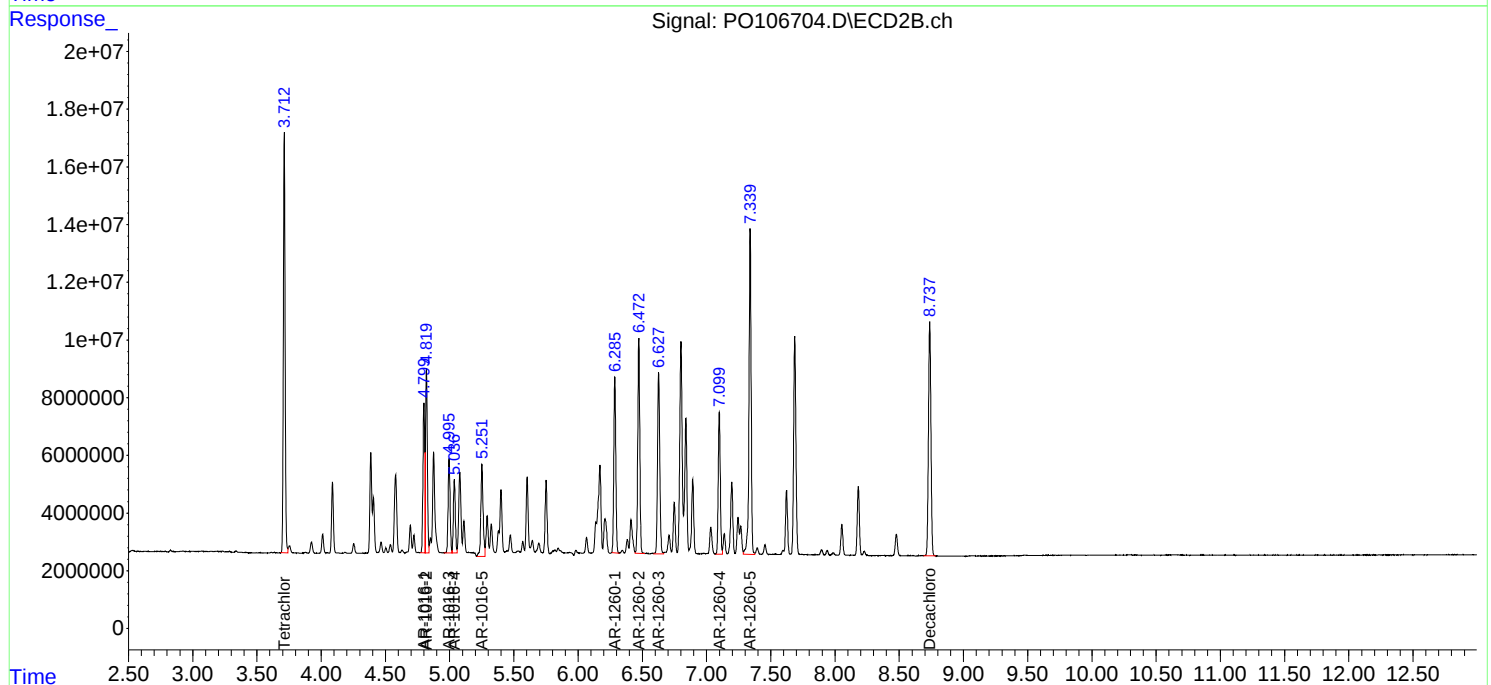
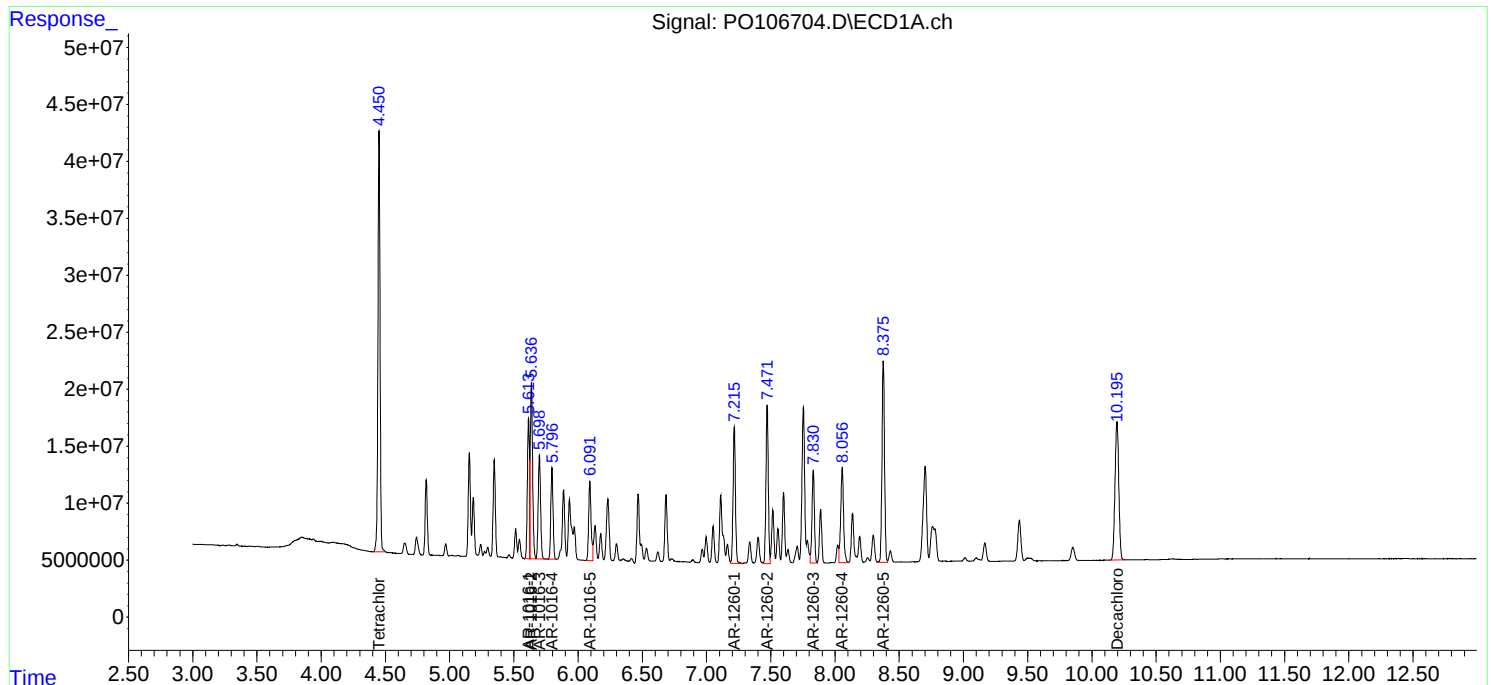
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO091924\
Data File : PO106704.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2024 20:03
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 05:22:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 09:57:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

Continuing Calib Date: 09/19/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 22:54 Initial Calibration Time(s): 15:31 23:20

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.62	5.62	5.52	5.72	0.00
Aroclor-1016-2	(2)	5.64	5.64	5.54	5.74	0.00
Aroclor-1016-3	(3)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-4	(4)	5.80	5.80	5.70	5.90	0.00
Aroclor-1016-5	(5)	6.09	6.10	6.00	6.20	0.01
Aroclor-1260-1	(1)	7.22	7.22	7.12	7.32	0.00
Aroclor-1260-2	(2)	7.47	7.48	7.38	7.58	0.01
Aroclor-1260-3	(3)	7.83	7.83	7.73	7.93	0.00
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.45	4.45	4.35	4.55	0.00
Decachlorobiphenyl		10.20	10.20	10.10	10.30	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

Continuing Calib Date: 09/19/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 22:54 Initial Calibration Time(s): 15:31 23:20

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.80	4.81	4.71	4.91	0.01
Aroclor-1016-2	(2)	4.82	4.83	4.73	4.93	0.01
Aroclor-1016-3	(3)	5.00	5.00	4.90	5.10	0.00
Aroclor-1016-4	(4)	5.04	5.04	4.94	5.14	0.00
Aroclor-1016-5	(5)	5.25	5.26	5.16	5.36	0.01
Aroclor-1260-1	(1)	6.29	6.29	6.19	6.39	0.00
Aroclor-1260-2	(2)	6.47	6.48	6.38	6.58	0.01
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	7.10	7.11	7.01	7.21	0.01
Aroclor-1260-5	(5)	7.34	7.35	7.25	7.45	0.01
Tetrachloro-m-xylene		3.71	3.72	3.62	3.82	0.01
Decachlorobiphenyl		8.74	8.75	8.65	8.85	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

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

Client Sample No.: CCAL03 Date Analyzed: 09/19/2024

Lab Sample No.: AR1660CCC500 Data File : PO106711.D Time Analyzed: 22:54

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.616	5.517	5.717	559.830	500.000	12.0
Aroclor-1016-2	5.639	5.540	5.740	560.080	500.000	12.0
Aroclor-1016-3	5.701	5.602	5.802	557.720	500.000	11.5
Aroclor-1016-4	5.799	5.701	5.901	561.280	500.000	12.3
Aroclor-1016-5	6.093	5.995	6.195	554.230	500.000	10.8
Aroclor-1260-1	7.218	7.119	7.319	578.000	500.000	15.6
Aroclor-1260-2	7.473	7.375	7.575	556.260	500.000	11.3
Aroclor-1260-3	7.833	7.734	7.934	507.390	500.000	1.5
Aroclor-1260-4	8.058	7.959	8.159	491.400	500.000	-1.7
Aroclor-1260-5	8.378	8.279	8.479	503.860	500.000	0.8
Decachlorobiphenyl	10.198	10.097	10.297	51.420	50.000	2.8
Tetrachloro-m-xylene	4.452	4.354	4.554	56.700	50.000	13.4



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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

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

Client Sample No.: CCAL03 Date Analyzed: 09/19/2024

Lab Sample No.: AR1660CCC500 Data File : PO106711.D Time Analyzed: 22:54

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.801	4.706	4.906	508.700	500.000	1.7
Aroclor-1016-2	4.820	4.726	4.926	508.390	500.000	1.7
Aroclor-1016-3	4.997	4.903	5.103	504.670	500.000	0.9
Aroclor-1016-4	5.037	4.943	5.143	495.190	500.000	-1.0
Aroclor-1016-5	5.252	5.158	5.358	502.020	500.000	0.4
Aroclor-1260-1	6.287	6.193	6.393	523.240	500.000	4.6
Aroclor-1260-2	6.474	6.380	6.580	527.130	500.000	5.4
Aroclor-1260-3	6.628	6.534	6.734	508.980	500.000	1.8
Aroclor-1260-4	7.101	7.007	7.207	522.520	500.000	4.5
Aroclor-1260-5	7.340	7.245	7.445	527.390	500.000	5.5
Decachlorobiphenyl	8.739	8.646	8.846	55.480	50.000	11.0
Tetrachloro-m-xylene	3.713	3.617	3.817	51.860	50.000	3.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0091924\
 Data File : P0106711.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2024 22:54
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/20/2024
 Supervised By :Ankita Jodhani 09/20/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 20 05:24:41 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 09:57:51 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.452	3.713	425.3E6	138.5E6	56.697	51.861
2) SA Decachlor...	10.198	8.739	254.2E6	111.0E6	51.425	55.479
Target Compounds						
3) L1 AR-1016-1	5.616	4.801	143.0E6	48455543	559.827	508.705
4) L1 AR-1016-2	5.639	4.820	199.4E6	64978056	560.084	508.391
5) L1 AR-1016-3	5.701	4.997	121.6E6	34813776	557.722	504.675
6) L1 AR-1016-4	5.799	5.037	99549037	26298189	561.278	495.188
7) L1 AR-1016-5	6.093	5.252	95654071	35862100	554.227	502.020m
31) L7 AR-1260-1	7.218	6.287	163.1E6	67667928	578.002	523.241
32) L7 AR-1260-2	7.473	6.474	185.6E6	83660569	556.262	527.132
33) L7 AR-1260-3	7.833	6.628	114.5E6	78508156	507.386	508.981
34) L7 AR-1260-4	8.058	7.101	136.0E6	55552480	491.396	522.520
35) L7 AR-1260-5	8.378	7.340	248.7E6	135.7E6	503.863	527.394

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO091924\
Data File : PO106711.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2024 22:54
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

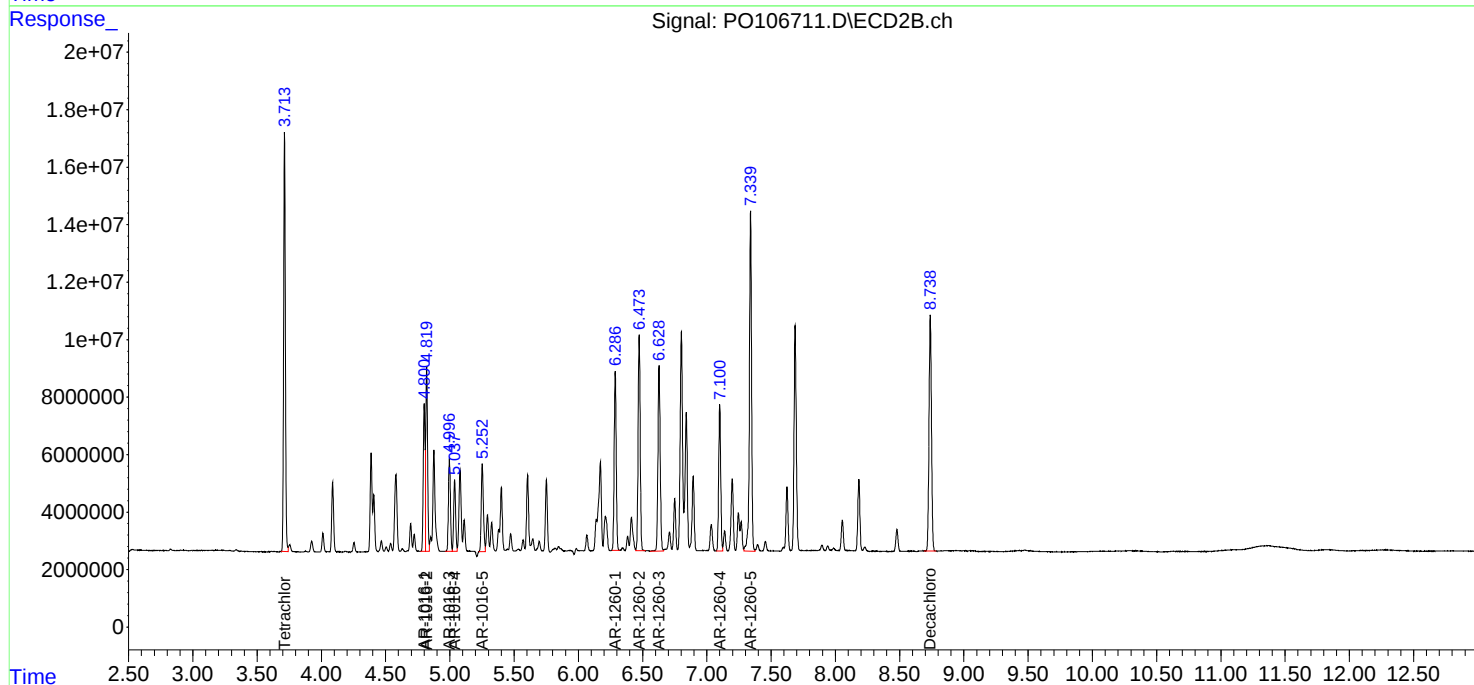
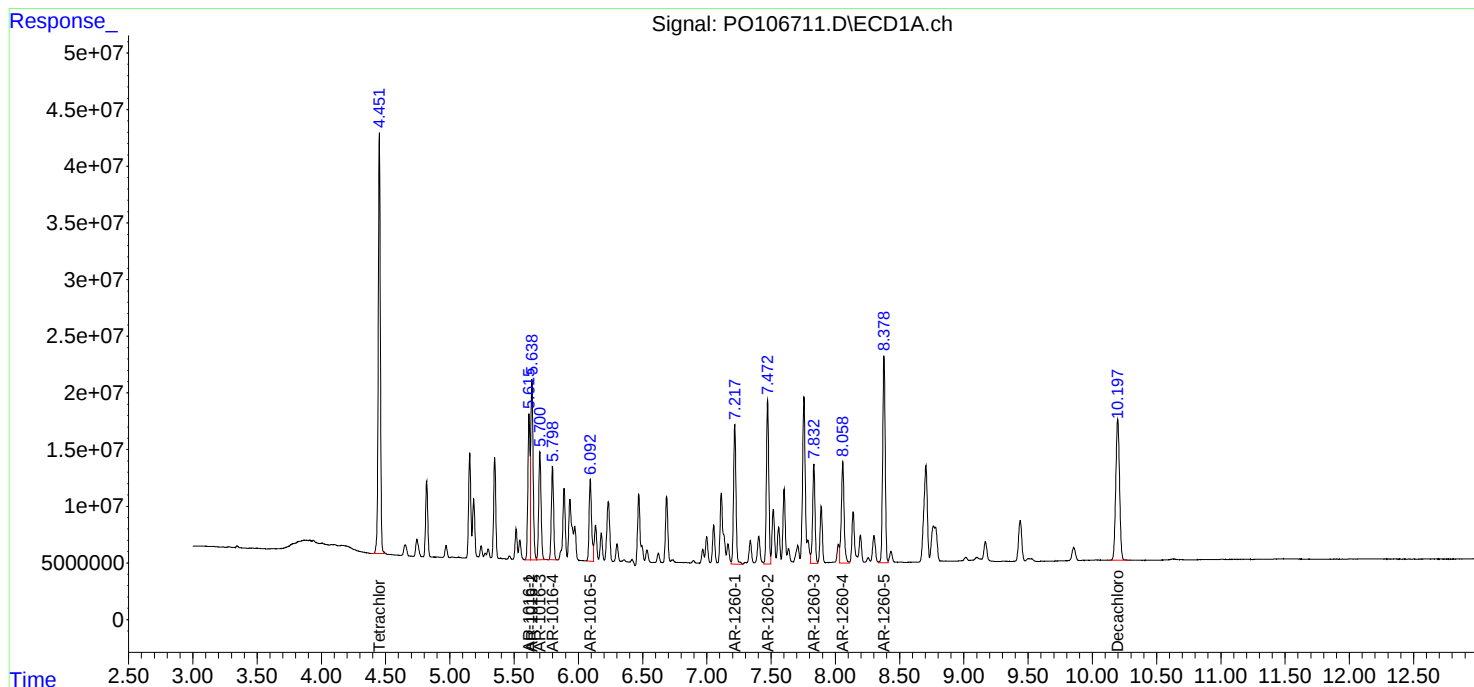
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 05:24:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 09:57:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Analytical Sequence

Client: ENTACT

SDG No.: P4103

Project: North Point

Instrument ID: ECD_O

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 09/09/2024

09/09/2024

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	09/09/2024	15:14	PO106313.D	10.20	4.45
AR1660ICC1000	AR1660ICC1000	09/09/2024	15:31	PO106314.D	10.20	4.45
AR1660ICC750	AR1660ICC750	09/09/2024	15:49	PO106315.D	10.20	4.45
AR1660ICC500	AR1660ICC500	09/09/2024	16:06	PO106316.D	10.20	4.45
AR1660ICC250	AR1660ICC250	09/09/2024	16:23	PO106317.D	10.20	4.45
AR1660ICC050	AR1660ICC050	09/09/2024	16:41	PO106318.D	10.20	4.45
AR1221ICC500	AR1221ICC500	09/09/2024	16:58	PO106319.D	10.20	4.45
AR1232ICC500	AR1232ICC500	09/09/2024	17:15	PO106320.D	10.20	4.45
AR1242ICC1000	AR1242ICC1000	09/09/2024	17:33	PO106321.D	10.20	4.45
AR1242ICC750	AR1242ICC750	09/09/2024	17:50	PO106322.D	10.20	4.45
AR1242ICC500	AR1242ICC500	09/09/2024	18:07	PO106323.D	10.20	4.45
AR1242ICC250	AR1242ICC250	09/09/2024	18:25	PO106324.D	10.20	4.45
AR1242ICC050	AR1242ICC050	09/09/2024	18:42	PO106325.D	10.20	4.45
AR1248ICC1000	AR1248ICC1000	09/09/2024	19:00	PO106326.D	10.20	4.45
AR1248ICC750	AR1248ICC750	09/09/2024	19:17	PO106327.D	10.20	4.45
AR1248ICC500	AR1248ICC500	09/09/2024	19:35	PO106328.D	10.20	4.45
AR1248ICC250	AR1248ICC250	09/09/2024	19:52	PO106329.D	10.20	4.45
AR1248ICC050	AR1248ICC050	09/09/2024	20:09	PO106330.D	10.20	4.45
AR1254ICC1000	AR1254ICC1000	09/09/2024	20:27	PO106331.D	10.20	4.45
AR1254ICC750	AR1254ICC750	09/09/2024	20:44	PO106332.D	10.20	4.45
AR1254ICC500	AR1254ICC500	09/09/2024	21:01	PO106333.D	10.19	4.45
AR1254ICC250	AR1254ICC250	09/09/2024	21:19	PO106334.D	10.19	4.45
AR1254ICC050	AR1254ICC050	09/09/2024	21:36	PO106335.D	10.19	4.45
AR1262ICC500	AR1262ICC500	09/09/2024	21:53	PO106336.D	10.20	4.45
AR1268ICC1000	AR1268ICC1000	09/09/2024	22:11	PO106337.D	10.19	4.45
AR1268ICC750	AR1268ICC750	09/09/2024	22:28	PO106338.D	10.19	4.45
AR1268ICC500	AR1268ICC500	09/09/2024	22:46	PO106339.D	10.19	4.45
AR1268ICC250	AR1268ICC250	09/09/2024	23:03	PO106340.D	10.19	4.45
AR1268ICC050	AR1268ICC050	09/09/2024	23:20	PO106341.D	10.19	4.45
AR1660CCC500	AR1660CCC500	09/19/2024	14:10	PO106689.D	10.20	4.45
IBLK	IBLK	09/19/2024	15:22	PO106693.D	10.19	4.45
PB163523BL	PB163523BL	09/19/2024	16:21	PO106694.D	10.20	4.45
PB163523BS	PB163523BS	09/19/2024	16:39	PO106695.D	10.20	4.45
WC-22A	P4103-01	09/19/2024	17:14	PO106697.D	10.20	4.45
WC-14-5-7.5A	P4103-04	09/19/2024	17:33	PO106698.D	10.20	4.45
WC-14-5-7.5B	P4103-07	09/19/2024	17:51	PO106699.D	10.20	4.45
WC-14-5-7.5BMS	P4103-07MS	09/19/2024	18:09	PO106700.D	10.20	4.45
WC-14-5-7.5BMSD	P4103-07MSD	09/19/2024	18:27	PO106701.D	10.20	4.45
WC-14-7.5-10A	P4103-10	09/19/2024	18:44	PO106702.D	10.20	4.45
WC-14-7.5-10B	P4103-13	09/19/2024	19:03	PO106703.D	10.20	4.45
AR1660CCC500	AR1660CCC500	09/19/2024	20:03	PO106704.D	10.20	4.45
IBLK	IBLK	09/19/2024	21:16	PO106708.D	10.20	4.45

Analytical Sequence

WC-23	P4103-16	09/19/2024	21:35	PO106709.D	10.20	4.45
AR1660CCC500	AR1660CCC500	09/19/2024	22:54	PO106711.D	10.20	4.45
1.BLK	1.BLK	09/20/2024	00:06	PO106715.D	10.20	4.45

Analytical Sequence

Client: ENTACT

SDG No.: P4103

Project: North Point

Instrument ID: ECD_O

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 09/09/2024

09/09/2024

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	09/09/2024	15:14	PO106313.D	8.75	3.72
AR1660ICC1000	AR1660ICC1000	09/09/2024	15:31	PO106314.D	8.75	3.72
AR1660ICC750	AR1660ICC750	09/09/2024	15:49	PO106315.D	8.75	3.72
AR1660ICC500	AR1660ICC500	09/09/2024	16:06	PO106316.D	8.75	3.72
AR1660ICC250	AR1660ICC250	09/09/2024	16:23	PO106317.D	8.75	3.72
AR1660ICC050	AR1660ICC050	09/09/2024	16:41	PO106318.D	8.75	3.72
AR1221ICC500	AR1221ICC500	09/09/2024	16:58	PO106319.D	8.75	3.72
AR1232ICC500	AR1232ICC500	09/09/2024	17:15	PO106320.D	8.75	3.72
AR1242ICC1000	AR1242ICC1000	09/09/2024	17:33	PO106321.D	8.75	3.72
AR1242ICC750	AR1242ICC750	09/09/2024	17:50	PO106322.D	8.75	3.72
AR1242ICC500	AR1242ICC500	09/09/2024	18:07	PO106323.D	8.75	3.72
AR1242ICC250	AR1242ICC250	09/09/2024	18:25	PO106324.D	8.75	3.72
AR1242ICC050	AR1242ICC050	09/09/2024	18:42	PO106325.D	8.74	3.72
AR1248ICC1000	AR1248ICC1000	09/09/2024	19:00	PO106326.D	8.75	3.72
AR1248ICC750	AR1248ICC750	09/09/2024	19:17	PO106327.D	8.74	3.72
AR1248ICC500	AR1248ICC500	09/09/2024	19:35	PO106328.D	8.74	3.72
AR1248ICC250	AR1248ICC250	09/09/2024	19:52	PO106329.D	8.74	3.72
AR1248ICC050	AR1248ICC050	09/09/2024	20:09	PO106330.D	8.74	3.72
AR1254ICC1000	AR1254ICC1000	09/09/2024	20:27	PO106331.D	8.74	3.72
AR1254ICC750	AR1254ICC750	09/09/2024	20:44	PO106332.D	8.74	3.72
AR1254ICC500	AR1254ICC500	09/09/2024	21:01	PO106333.D	8.74	3.72
AR1254ICC250	AR1254ICC250	09/09/2024	21:19	PO106334.D	8.74	3.72
AR1254ICC050	AR1254ICC050	09/09/2024	21:36	PO106335.D	8.74	3.72
AR1262ICC500	AR1262ICC500	09/09/2024	21:53	PO106336.D	8.74	3.72
AR1268ICC1000	AR1268ICC1000	09/09/2024	22:11	PO106337.D	8.74	3.72
AR1268ICC750	AR1268ICC750	09/09/2024	22:28	PO106338.D	8.74	3.72
AR1268ICC500	AR1268ICC500	09/09/2024	22:46	PO106339.D	8.74	3.72
AR1268ICC250	AR1268ICC250	09/09/2024	23:03	PO106340.D	8.74	3.72
AR1268ICC050	AR1268ICC050	09/09/2024	23:20	PO106341.D	8.74	3.72
AR1660CCC500	AR1660CCC500	09/19/2024	14:10	PO106689.D	8.74	3.71
IBLK	IBLK	09/19/2024	15:22	PO106693.D	8.74	3.71
PB163523BL	PB163523BL	09/19/2024	16:21	PO106694.D	8.74	3.71
PB163523BS	PB163523BS	09/19/2024	16:39	PO106695.D	8.74	3.71
WC-22A	P4103-01	09/19/2024	17:14	PO106697.D	8.74	3.71
WC-14-5-7.5A	P4103-04	09/19/2024	17:33	PO106698.D	8.74	3.71
WC-14-5-7.5B	P4103-07	09/19/2024	17:51	PO106699.D	8.74	3.71
WC-14-5-7.5BMS	P4103-07MS	09/19/2024	18:09	PO106700.D	8.74	3.71
WC-14-5-7.5BMSD	P4103-07MSD	09/19/2024	18:27	PO106701.D	8.74	3.71
WC-14-7.5-10A	P4103-10	09/19/2024	18:44	PO106702.D	8.74	3.71
WC-14-7.5-10B	P4103-13	09/19/2024	19:03	PO106703.D	8.74	3.71
AR1660CCC500	AR1660CCC500	09/19/2024	20:03	PO106704.D	8.74	3.71
IBLK	IBLK	09/19/2024	21:16	PO106708.D	8.74	3.71

Analytical Sequence

WC-23	P4103-16	09/19/2024	21:35	PO106709.D	8.74	3.71
AR1660CCC500	AR1660CCC500	09/19/2024	22:54	PO106711.D	8.74	3.71
LBLK	LBLK	09/20/2024	00:06	PO106715.D	8.74	3.71



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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB163523BS

Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

Lab Sample ID: PB163523BS Date(s) Analyzed: 09/19/2024 09/19/2024

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 PO106695.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.614	5.564	5.664	181	183	12.17
COLUMN 1	2	5.637	5.587	5.687	182		
	3	5.7	5.65	5.75	183		
	4	5.798	5.748	5.848	184		
	5	6.092	6.042	6.142	185		
	1	4.8	4.75	4.85	162		
COLUMN 2	2	4.819	4.769	4.869	162	162	
	3	4.996	4.946	5.046	163		
	4	5.037	4.987	5.087	164		
	5	5.251	5.201	5.301	160		
Aroclor-1260	1	7.217	7.167	7.267	187	175	2.9
COLUMN 1	2	7.472	7.422	7.522	180		
	3	7.832	7.782	7.882	165		
	4	8.057	8.007	8.107	166		
	5	8.376	8.326	8.426	175		
	1	6.286	6.236	6.336	169		
COLUMN 2	2	6.473	6.423	6.523	170	170	
	3	6.627	6.577	6.677	164		
	4	7.099	7.049	7.149	173		
	5	7.338	7.288	7.388	175		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WC-14-5-7.5BMS

Contract: ENTA05

Lab Code: CHEM

Case No.: P4103

SAS No.: P4103

SDG NO.: P4103

Lab Sample ID: P4103-07MS

Date(s) Analyzed: 09/19/2024

09/19/2024

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 PO106700.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.615	5.565	5.665	138	139	0.72
COLUMN 1	2	5.638	5.588	5.688	136		
	3	5.701	5.651	5.751	132		
	4	5.798	5.748	5.848	144		
	5	6.093	6.043	6.143	144		
	1	4.8	4.75	4.85	135		
COLUMN 2	2	4.82	4.77	4.87	132	138	
	3	4.997	4.947	5.047	140		
	4	5.037	4.987	5.087	146		
	5	5.252	5.202	5.302	137		
Aroclor-1260	1	7.217	7.167	7.267	184	172	7.85
COLUMN 1	2	7.473	7.423	7.523	171		
	3	7.832	7.782	7.882	171		
	4	8.057	8.007	8.107	160		
	5	8.377	8.327	8.427	177		
	1	6.286	6.236	6.336	155		
COLUMN 2	2	6.473	6.423	6.523	157	159	
	3	6.628	6.578	6.678	154		
	4	7.1	7.05	7.15	159		
	5	7.339	7.289	7.389	167		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WC-14-5-7.5BMSD

Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

Lab Sample ID: P4103-07MSD Date(s) Analyzed: 09/19/2024 09/19/2024

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 PO106701.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.615	5.565	5.665	139	140	0.72
COLUMN 1	2	5.638	5.588	5.688	136		
	3	5.7	5.65	5.75	132		
	4	5.798	5.748	5.848	146		
	5	6.093	6.043	6.143	146		
	1	4.8	4.75	4.85	135		
COLUMN 2	2	4.819	4.769	4.869	132	139	
	3	4.996	4.946	5.046	141		
	4	5.036	4.986	5.086	148		
	5	5.251	5.201	5.301	138		
Aroclor-1260	1	7.217	7.167	7.267	186	177	9.47
COLUMN 1	2	7.473	7.423	7.523	176		
	3	7.832	7.782	7.882	172		
	4	8.057	8.007	8.107	172		
	5	8.376	8.326	8.426	179		
	1	6.285	6.235	6.335	157	161	
COLUMN 2	2	6.473	6.423	6.523	160		
	3	6.628	6.578	6.678	156		
	4	7.099	7.049	7.149	162		
	5	7.339	7.289	7.389	170		



QC SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point	Date Received:	
Client Sample ID:	PB163523BL	SDG No.:	P4103
Lab Sample ID:	PB163523BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:		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
PO106694.D	1	09/19/24 11:09	09/19/24 16:21	PB163523

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	25.8		30 (32) - 150 (144)	129%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.0		30 (32) - 150 (175)	125%	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\P0091924\
Data File : P0106694.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2024 16:21
Operator : YP/AJ
Sample : PB163523BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB163523BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 05:18:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 09:57:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.451	3.712	193.9E6	60588775	25.843	22.682
2) SA Decachlor...	10.198	8.739	119.4E6	49971355	24.159	24.983

Target Compounds

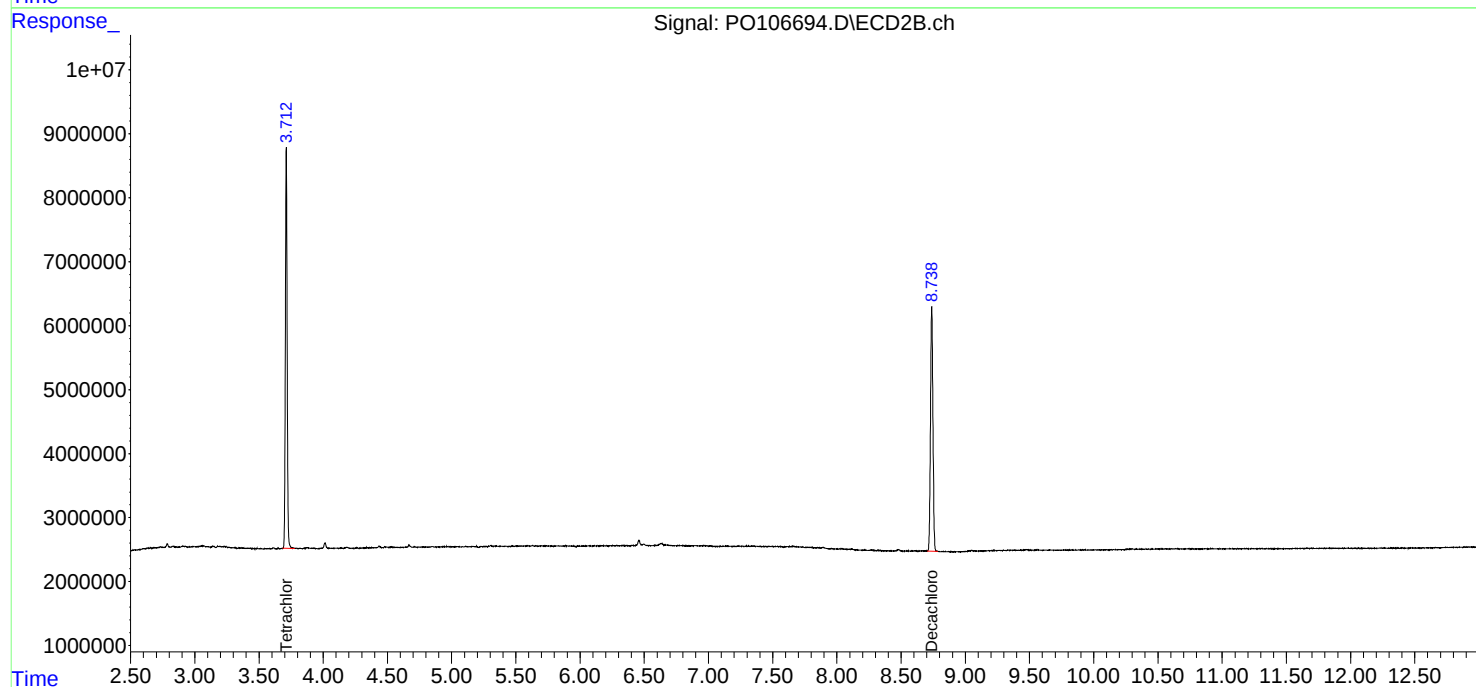
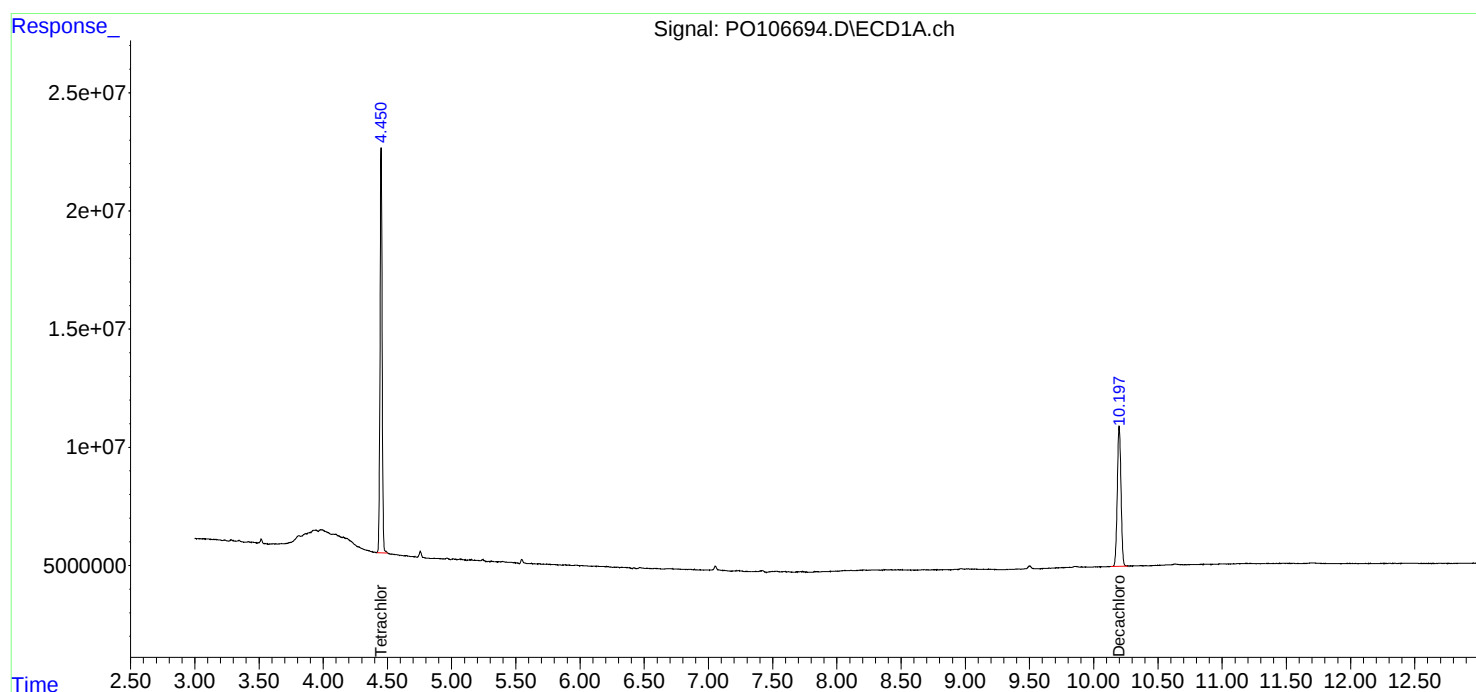
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

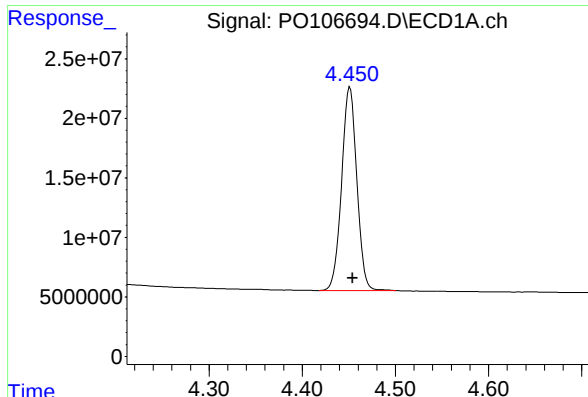
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO091924\
Data File : PO106694.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2024 16:21
Operator : YP/AJ
Sample : PB163523BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB163523BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 05:18:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 09:57:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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

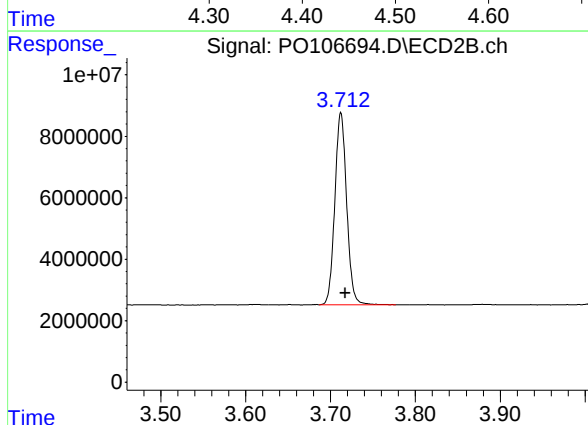




#1 Tetrachloro-m-xylene

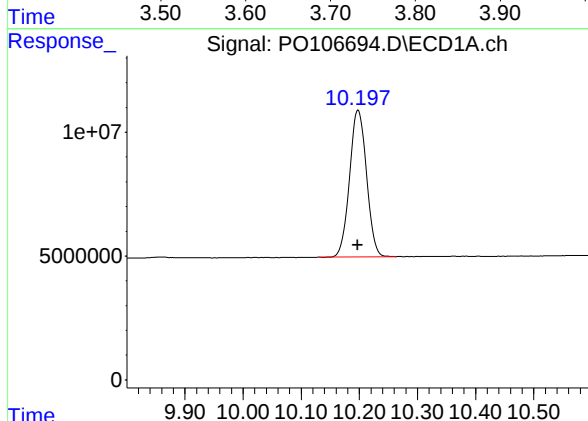
R.T.: 4.451 min
Delta R.T.: -0.003 min
Response: 193853748
Conc: 25.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB163523BL



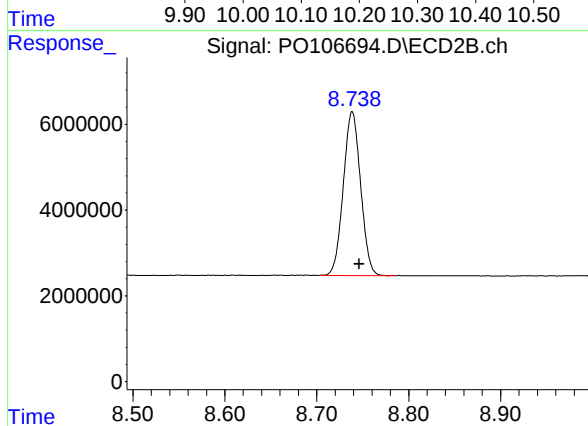
#1 Tetrachloro-m-xylene

R.T.: 3.712 min
Delta R.T.: -0.005 min
Response: 60588775
Conc: 22.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.198 min
Delta R.T.: 0.000 min
Response: 119415723
Conc: 24.16 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.739 min
Delta R.T.: -0.008 min
Response: 49971355
Conc: 24.98 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	09/09/24
Project:	North Point	Date Received:	09/09/24
Client Sample ID:	PIBLK-PO106313.D	SDG No.:	P4103
Lab Sample ID:	I.BLK-PO106313.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO106313.D	1		09/09/24	PO090924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.0		70 (60) - 130 (140)	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		70 (60) - 130 (140)	90%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
 Data File : PO106313.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2024 15:14
 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: Sep 10 08:41:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 06:32:17 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...	4.454	3.718	129.5E6	45458303	17.262	17.018
2) SA Decachlor...	10.199	8.747	90680577	36101606	18.346	18.049

Target Compounds

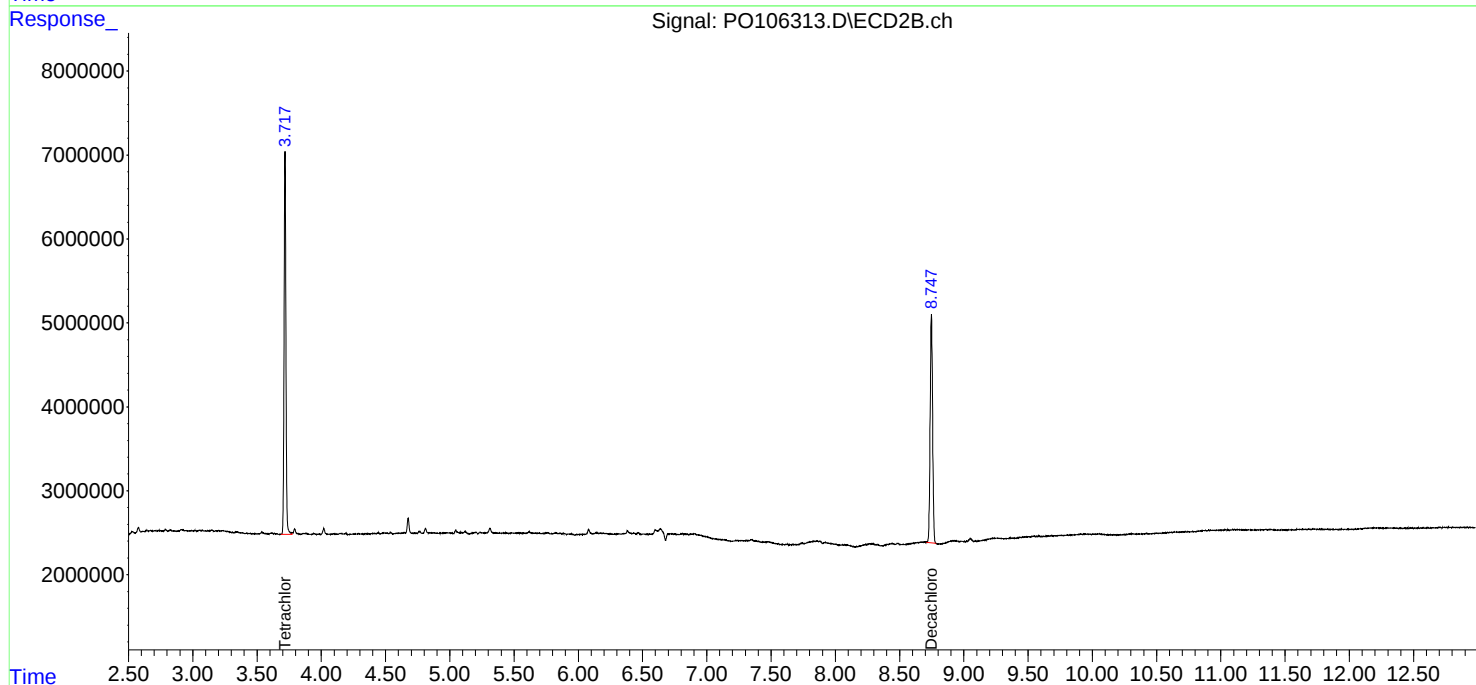
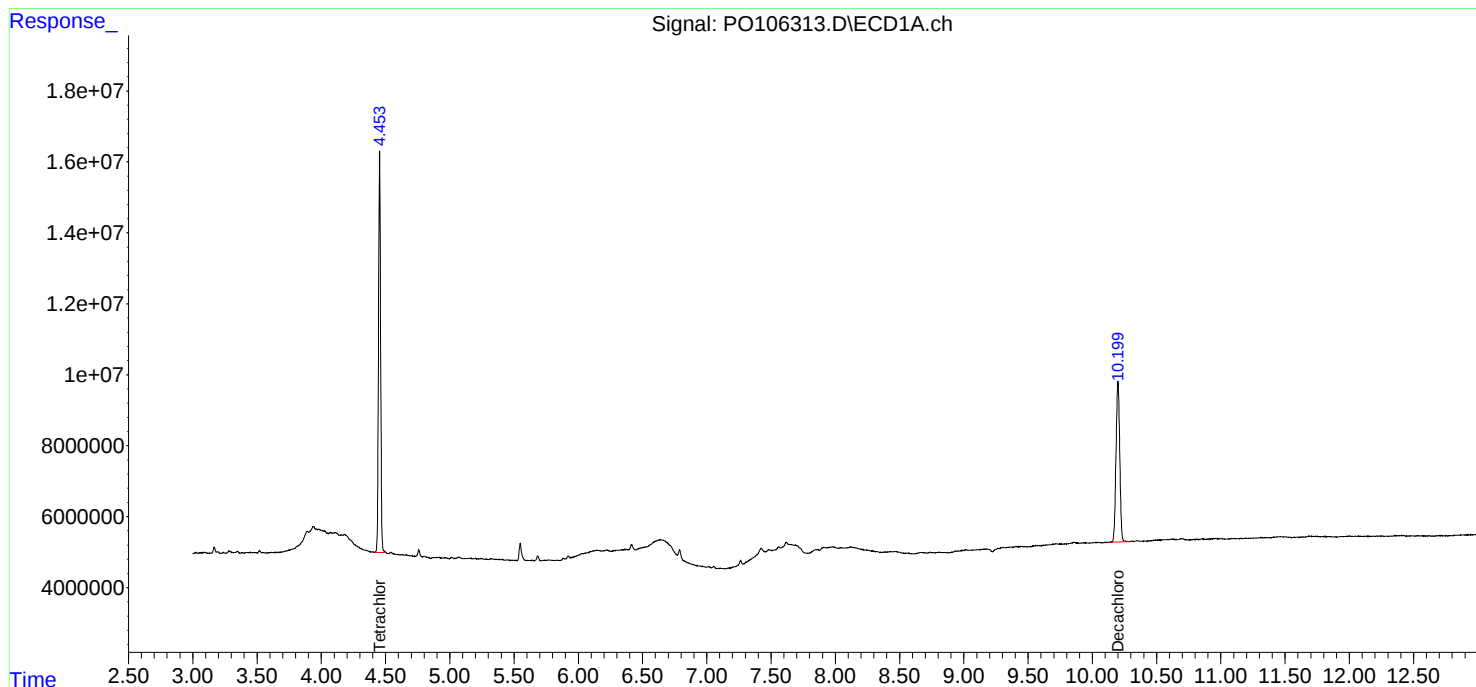
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

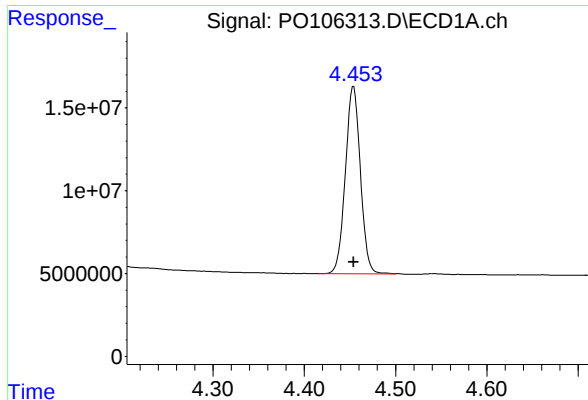
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO090924\
Data File : PO106313.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 15:14
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 08:41:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 06:32:17 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

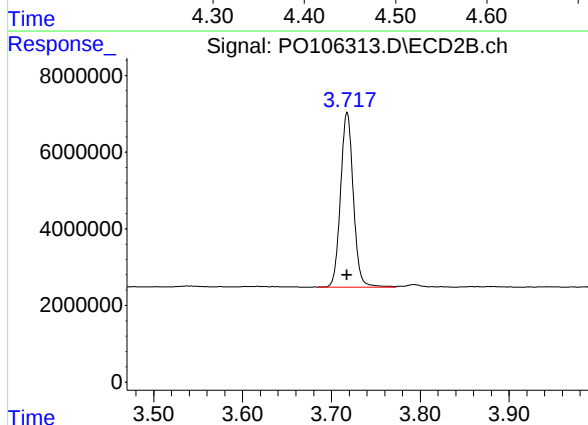




#1 Tetrachloro-m-xylene

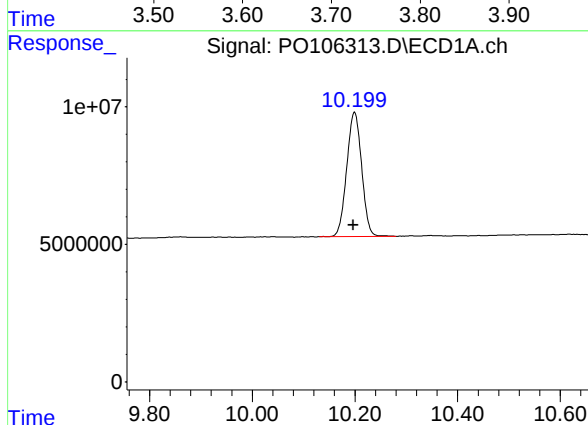
R.T.: 4.454 min
Delta R.T.: 0.000 min
Response: 129484789
Conc: 17.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



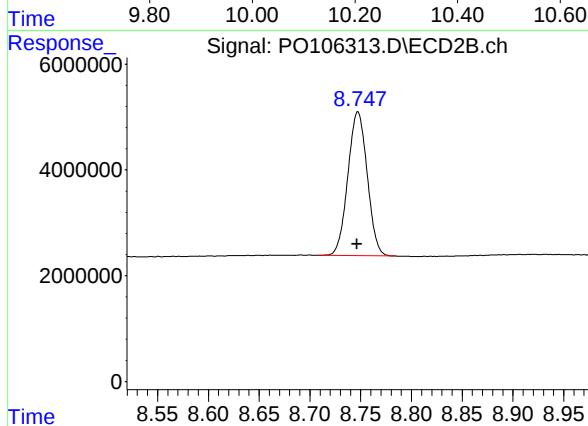
#1 Tetrachloro-m-xylene

R.T.: 3.718 min
Delta R.T.: 0.000 min
Response: 45458303
Conc: 17.02 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.199 min
Delta R.T.: 0.002 min
Response: 90680577
Conc: 18.35 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.747 min
Delta R.T.: 0.000 min
Response: 36101606
Conc: 18.05 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	09/19/24
Project:	North Point	Date Received:	09/19/24
Client Sample ID:	PIBLK-PO106693.D	SDG No.:	P4103
Lab Sample ID:	I.BLK-PO106693.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO106693.D	1		09/19/24	PO091924

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	22.2		70 (60) - 130 (140)	111%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.6		70 (60) - 130 (140)	118%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0091924\
 Data File : P0106693.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2024 15:22
 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: Sep 20 05:18:10 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 09:57:51 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.449	3.713	185.7E6	59405316	24.754	22.239
2) SA Decachlor...	10.194	8.737	116.5E6	48782752	23.567	24.388

Target Compounds

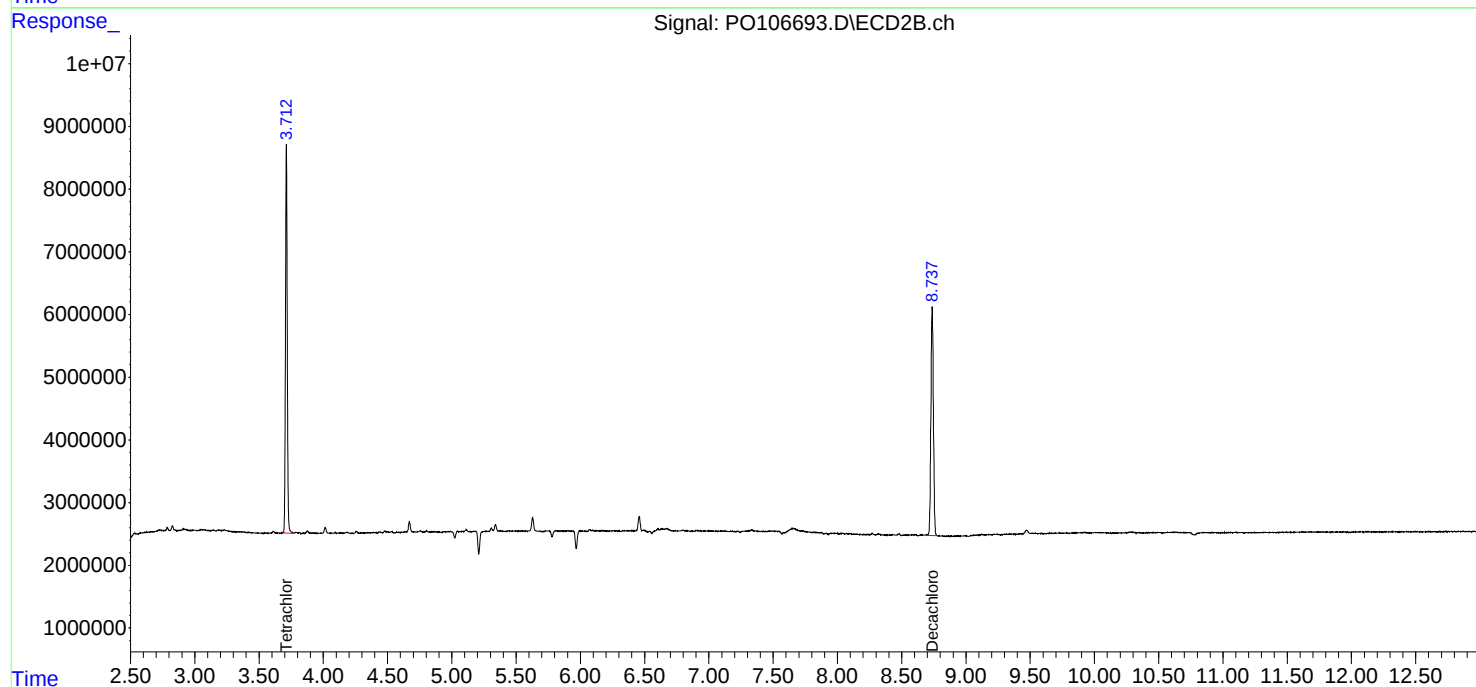
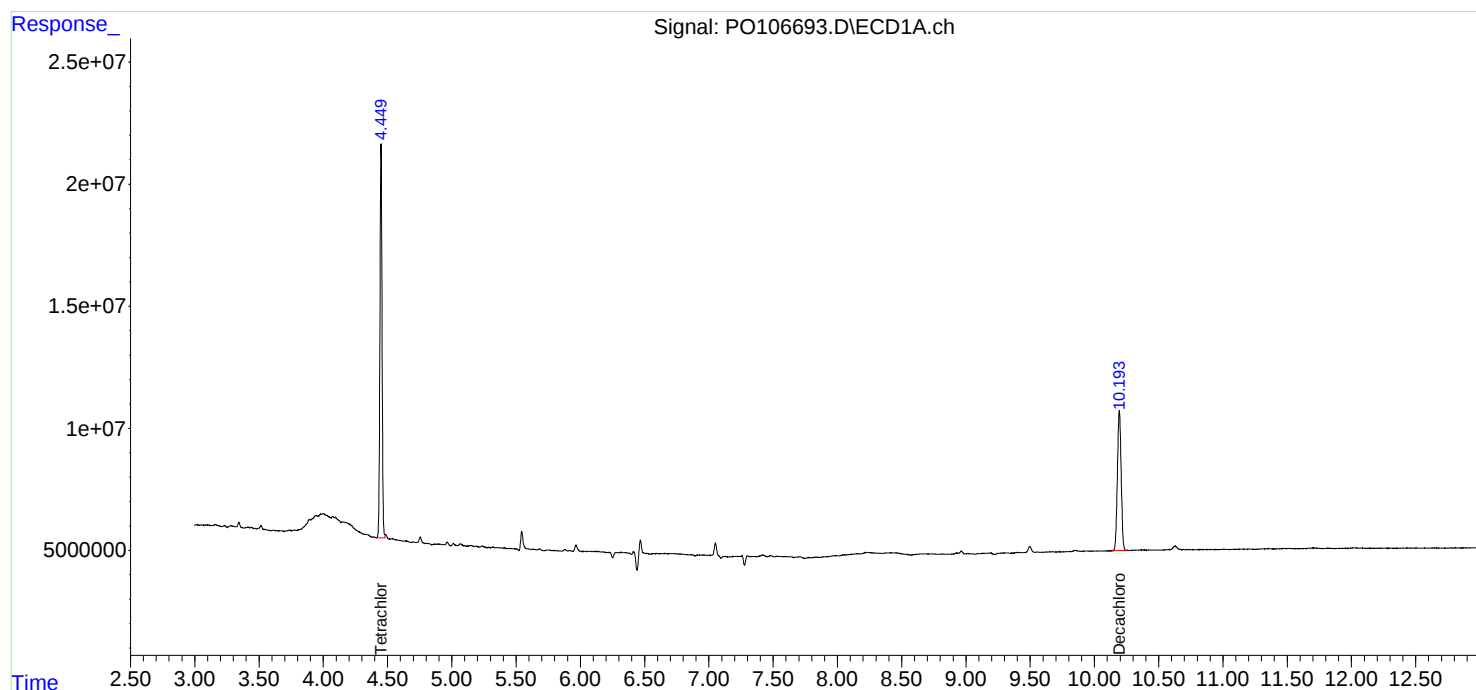
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

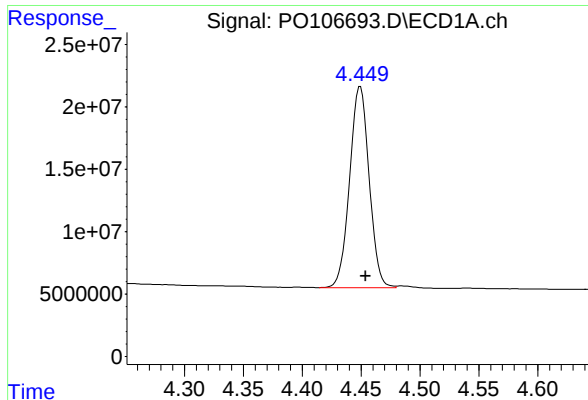
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO091924\
Data File : PO106693.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2024 15:22
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 05:18:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 09:57:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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

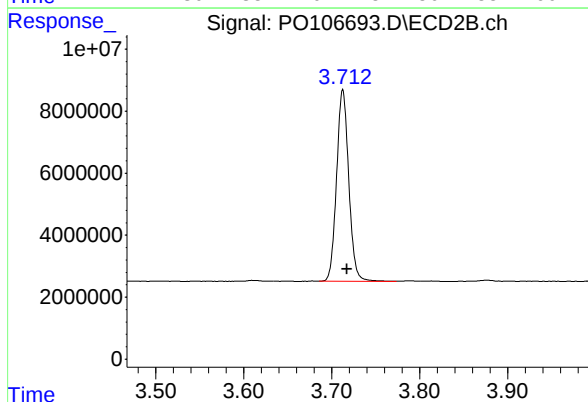




#1 Tetrachloro-m-xylene

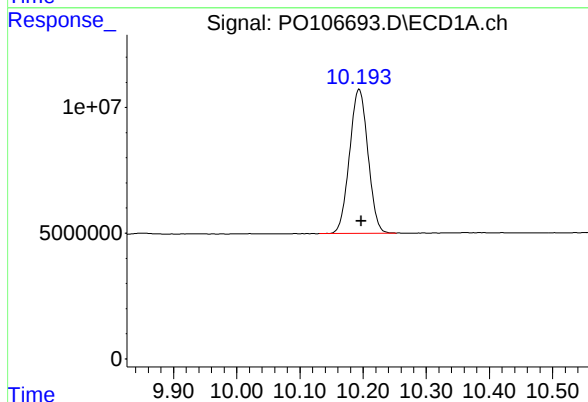
R.T.: 4.449 min
Delta R.T.: -0.005 min
Response: 185684824
Conc: 24.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



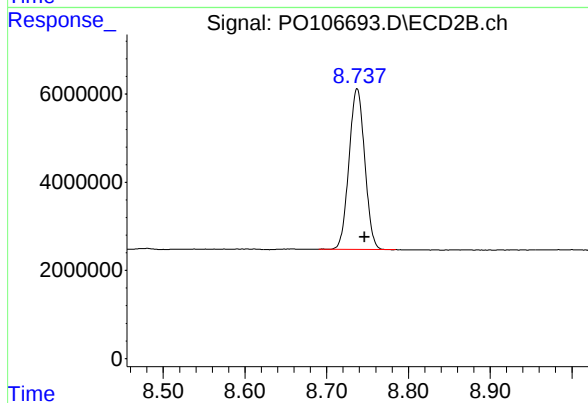
#1 Tetrachloro-m-xylene

R.T.: 3.713 min
Delta R.T.: -0.005 min
Response: 59405316
Conc: 22.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.194 min
Delta R.T.: -0.003 min
Response: 116489814
Conc: 23.57 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.737 min
Delta R.T.: -0.009 min
Response: 48782752
Conc: 24.39 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	09/19/24
Project:	North Point	Date Received:	09/19/24
Client Sample ID:	PIBLK-PO106708.D	SDG No.:	P4103
Lab Sample ID:	I.BLK-PO106708.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO106708.D	1		09/19/24	PO091924

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0091924\
 Data File : P0106708.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2024 21:16
 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: Sep 20 05:23:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 09:57:51 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.451	3.712	187.0E6	60239599	24.933	22.551
2) SA Decachlor...	10.197	8.738	119.1E6	50208190	24.094	25.101

Target Compounds

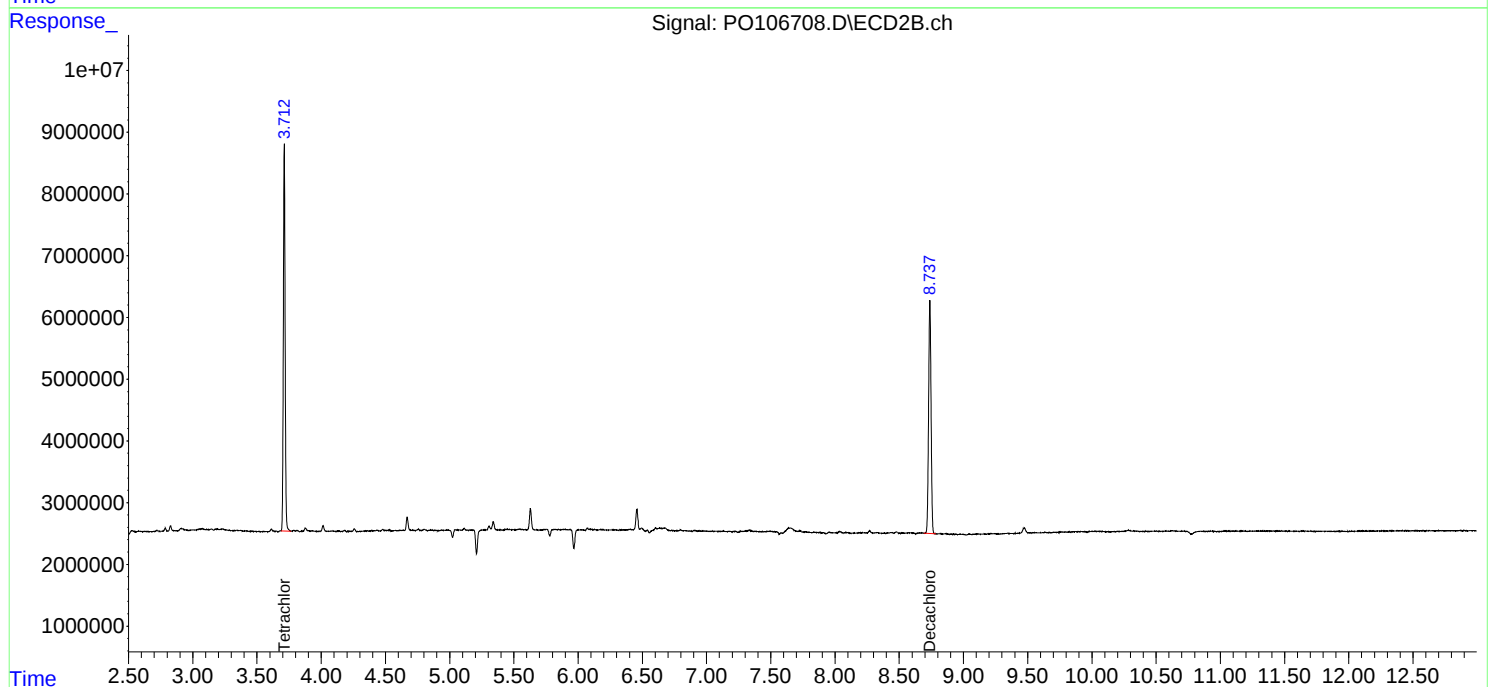
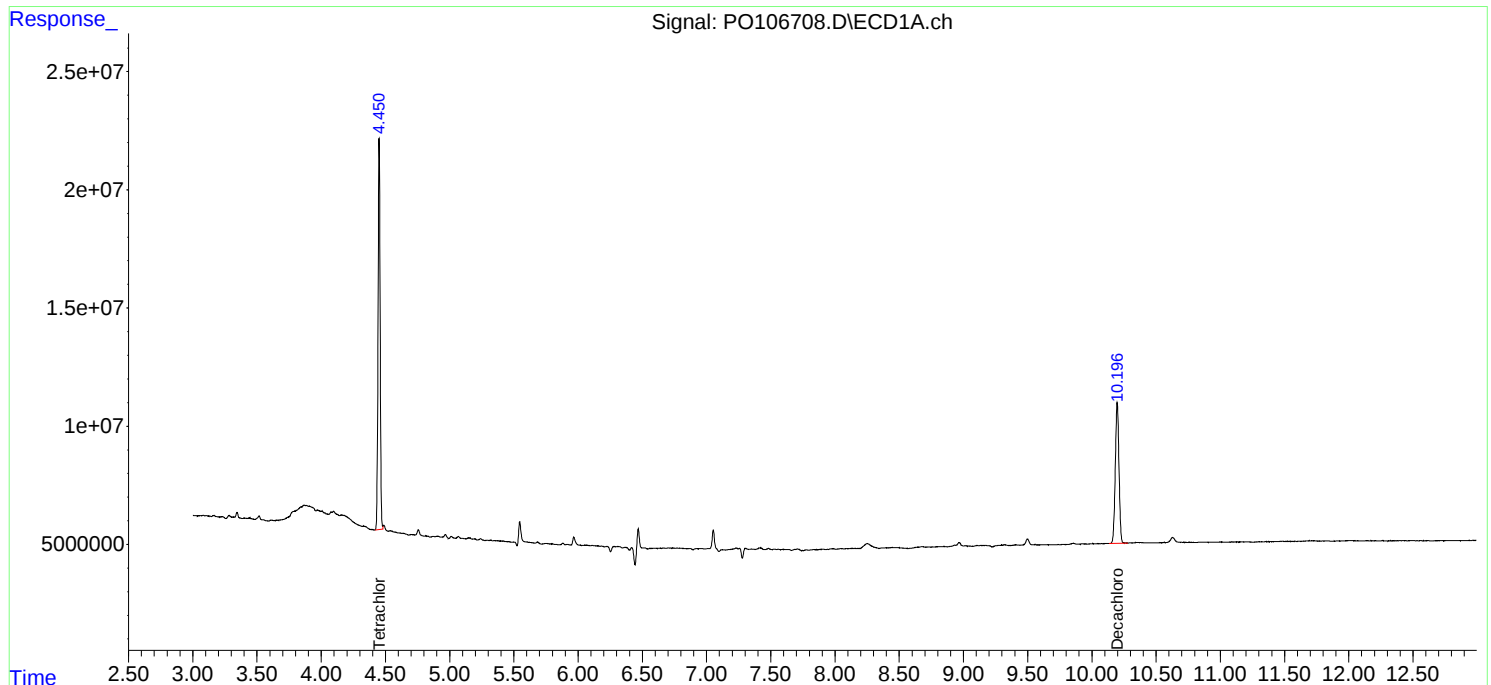
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

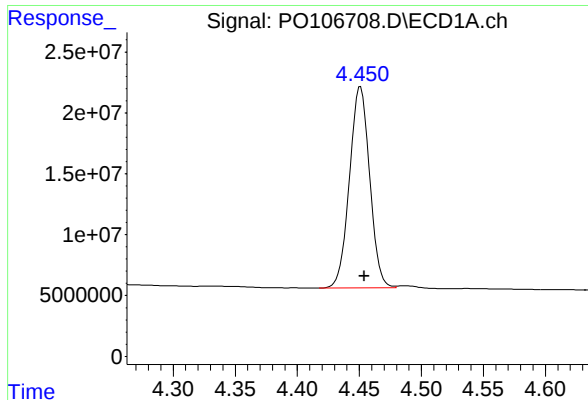
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO091924\
Data File : PO106708.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2024 21:16
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 05:23:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 09:57:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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

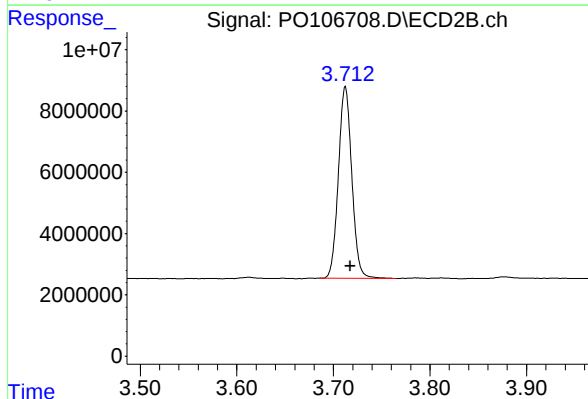




#1 Tetrachloro-m-xylene

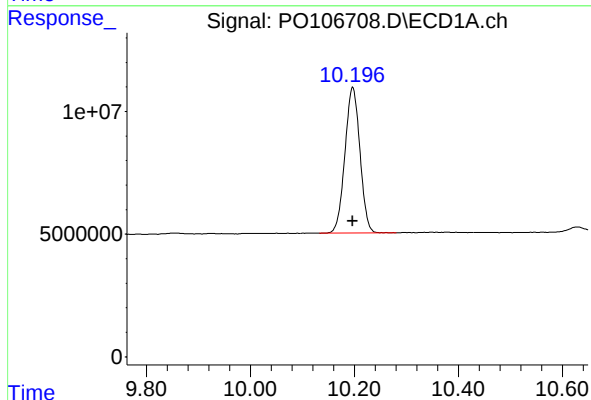
R.T.: 4.451 min
Delta R.T.: -0.003 min
Response: 187030921
Conc: 24.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



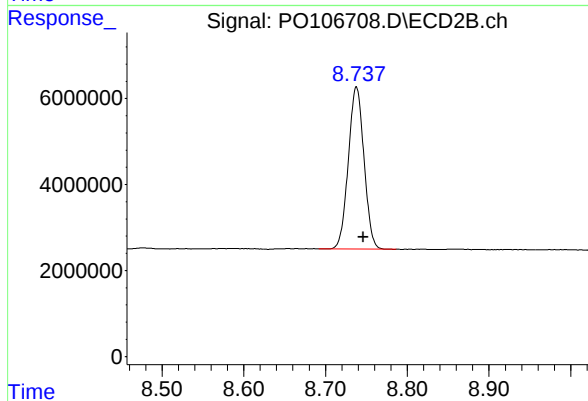
#1 Tetrachloro-m-xylene

R.T.: 3.712 min
Delta R.T.: -0.005 min
Response: 60239599
Conc: 22.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.197 min
Delta R.T.: 0.000 min
Response: 119090758
Conc: 24.09 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.738 min
Delta R.T.: -0.008 min
Response: 50208190
Conc: 25.10 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	09/20/24
Project:	North Point	Date Received:	09/20/24
Client Sample ID:	PIBLK-PO106715.D	SDG No.:	P4103
Lab Sample ID:	I.BLK-PO106715.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO106715.D	1		09/20/24	PO091924

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	22.8		70 (60) - 130 (140)	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.7		70 (60) - 130 (140)	123%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO091924\
 Data File : PO106715.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Sep 2024 00:06
 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: Sep 20 05:26:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 09:57:51 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.451	3.713	194.5E6	60863620	25.925	22.785
2) SA Decachlor...	10.198	8.738	122.0E6	51008181	24.685	25.501

Target Compounds

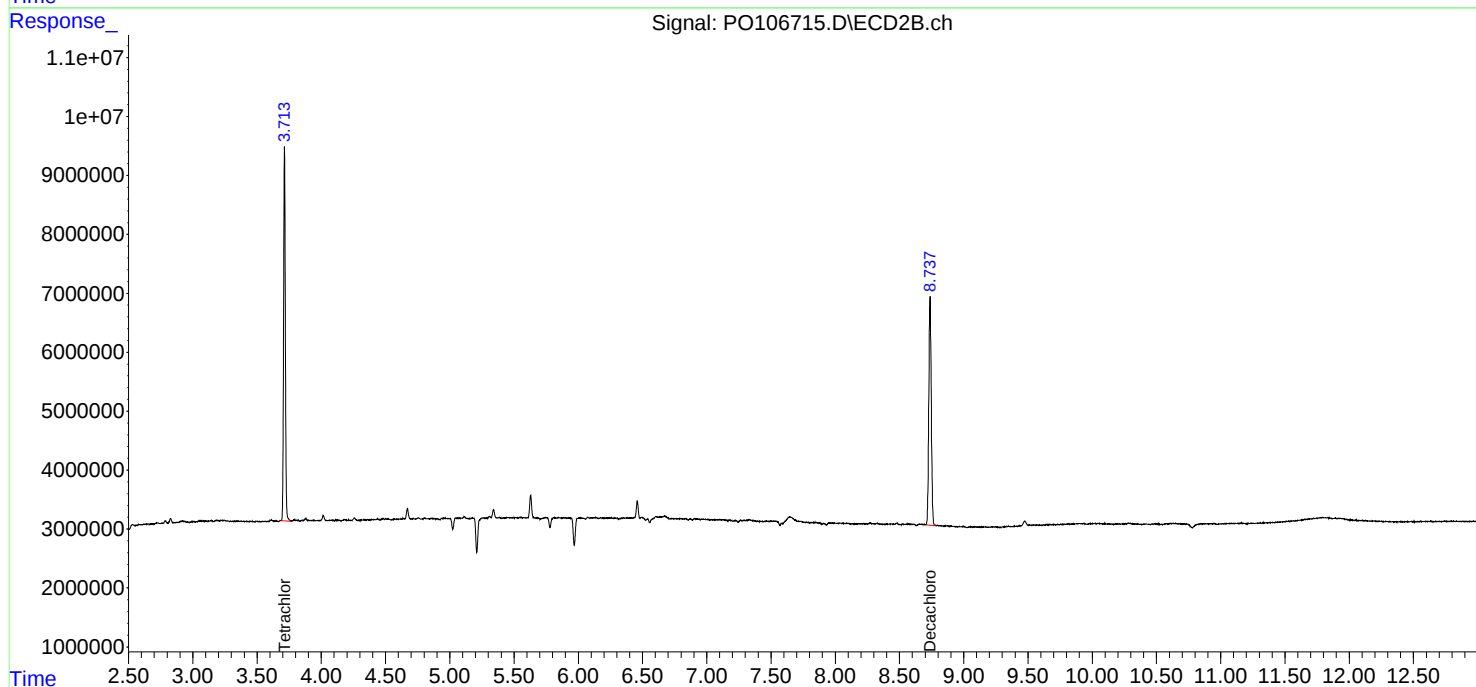
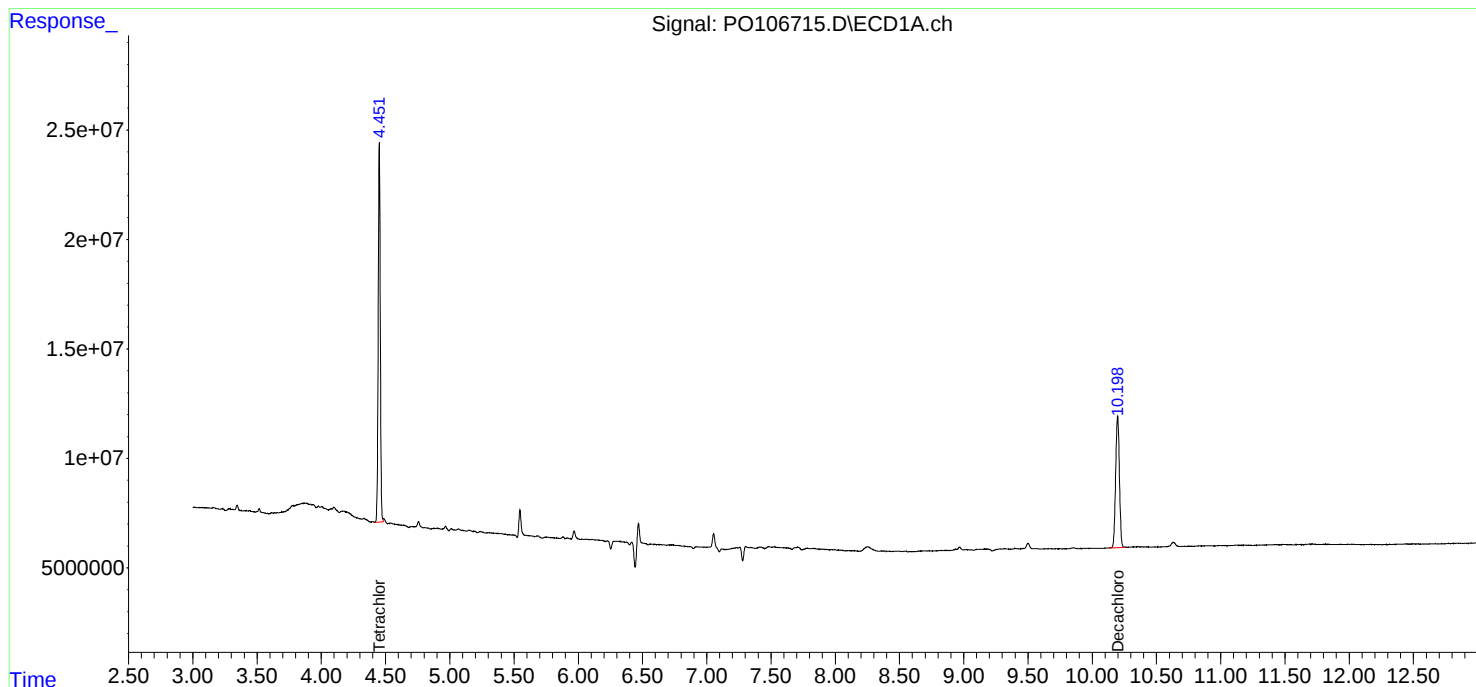
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

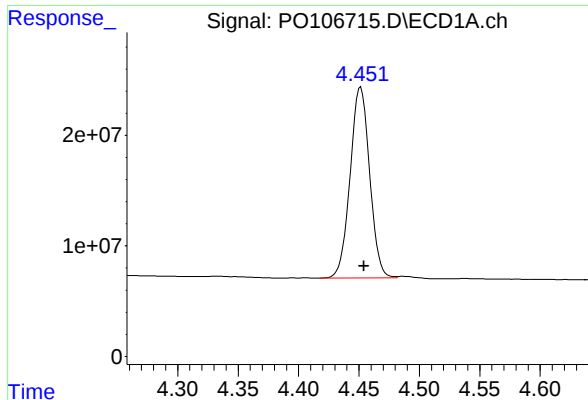
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO091924\
Data File : PO106715.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Sep 2024 00:06
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 05:26:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 09:57:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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

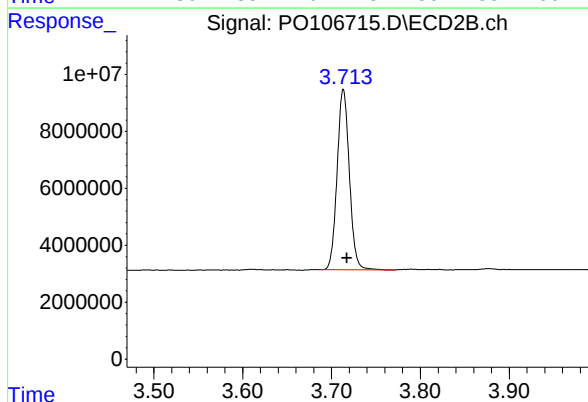




#1 Tetrachloro-m-xylene

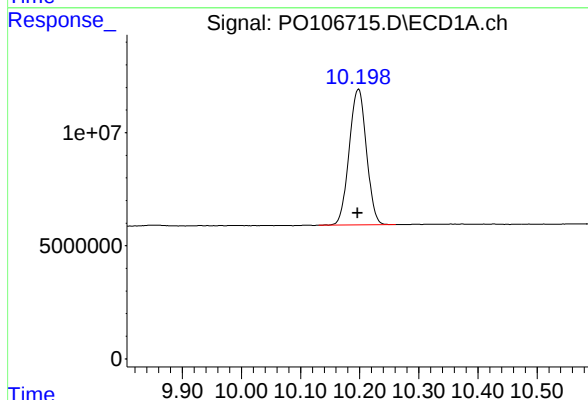
R.T.: 4.451 min
Delta R.T.: -0.003 min
Response: 194469764
Conc: 25.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



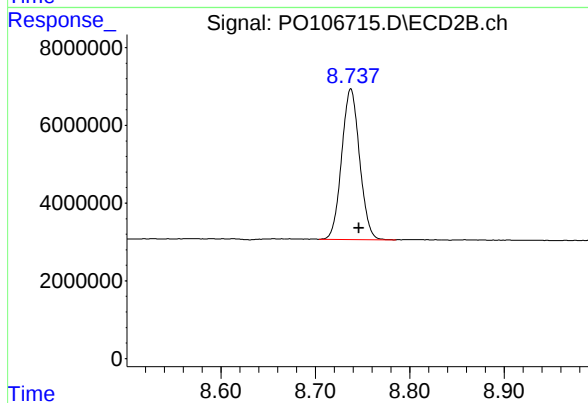
#1 Tetrachloro-m-xylene

R.T.: 3.713 min
Delta R.T.: -0.004 min
Response: 60863620
Conc: 22.78 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.198 min
Delta R.T.: 0.000 min
Response: 122015991
Conc: 24.69 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.738 min
Delta R.T.: -0.009 min
Response: 51008181
Conc: 25.50 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point	Date Received:	
Client Sample ID:	PB163523BS	SDG No.:	P4103
Lab Sample ID:	PB163523BS	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
PO106695.D	1	09/19/24 11:09	09/19/24 16:39	PB163523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	183		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	175		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.7		30 (32) - 150 (144)	124%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.2		30 (32) - 150 (175)	121%	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\P0091924\
 Data File : P0106695.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2024 16:39
 Operator : YP/AJ
 Sample : PB163523BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB163523BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 20 05:18:57 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 09:57:51 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.450	3.712	185.6E6	56010855	24.736	20.968
2) SA Decachlor...	10.197	8.737	115.8E6	48452271	23.432	24.223
Target Compounds						
3) L1 AR-1016-1	5.614	4.800	139.2E6	46314158	544.803	486.224
4) L1 AR-1016-2	5.637	4.819	194.3E6	62075578	545.880	485.681
5) L1 AR-1016-3	5.700	4.996	119.6E6	33663844	548.614	488.005
6) L1 AR-1016-4	5.798	5.037	97998545	26140279	552.536	492.215
7) L1 AR-1016-5	6.092	5.251	95706218	34428417	554.529	481.950
31) L7 AR-1260-1	7.217	6.286	158.3E6	65686220	560.951	507.918
32) L7 AR-1260-2	7.472	6.473	180.3E6	80832632	540.494	509.313
33) L7 AR-1260-3	7.832	6.627	112.1E6	76042471	496.754	492.996
34) L7 AR-1260-4	8.057	7.099	137.8E6	55140784	497.996	518.647
35) L7 AR-1260-5	8.376	7.338	259.5E6	135.4E6	525.631	526.374

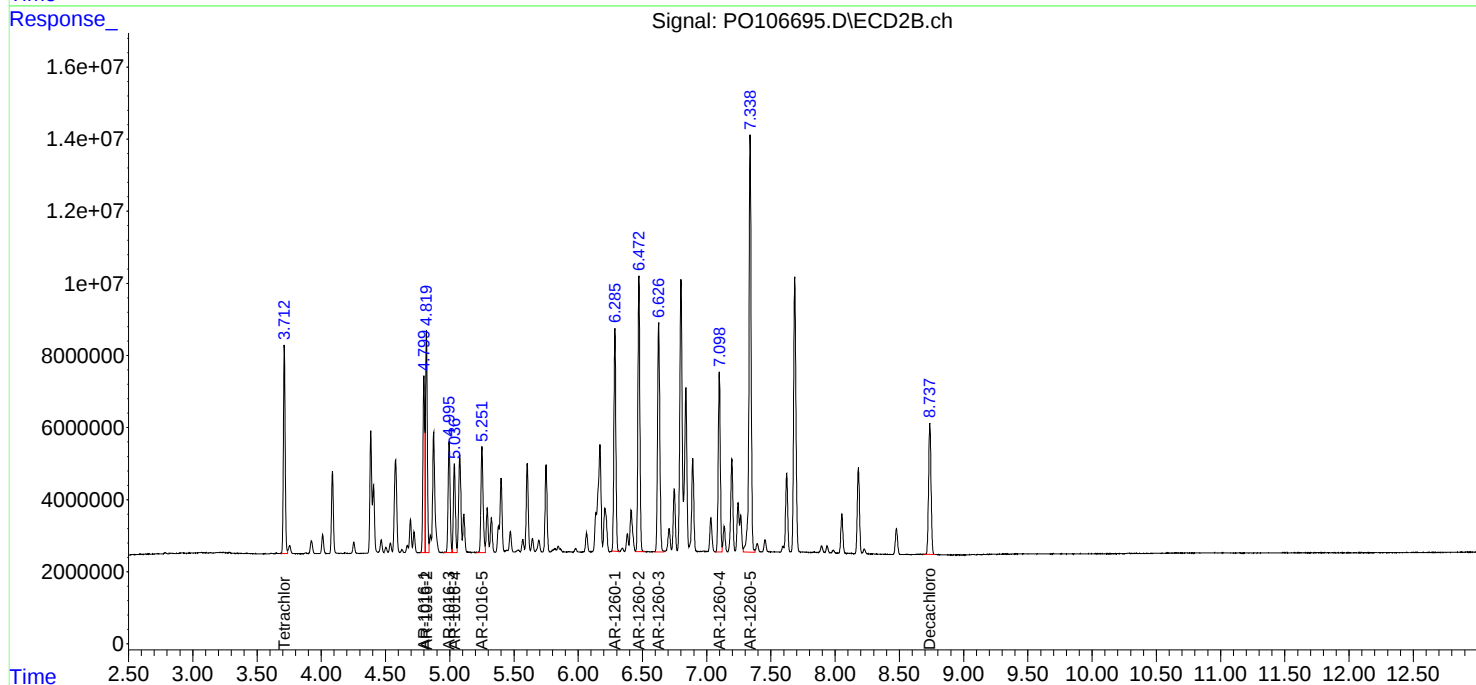
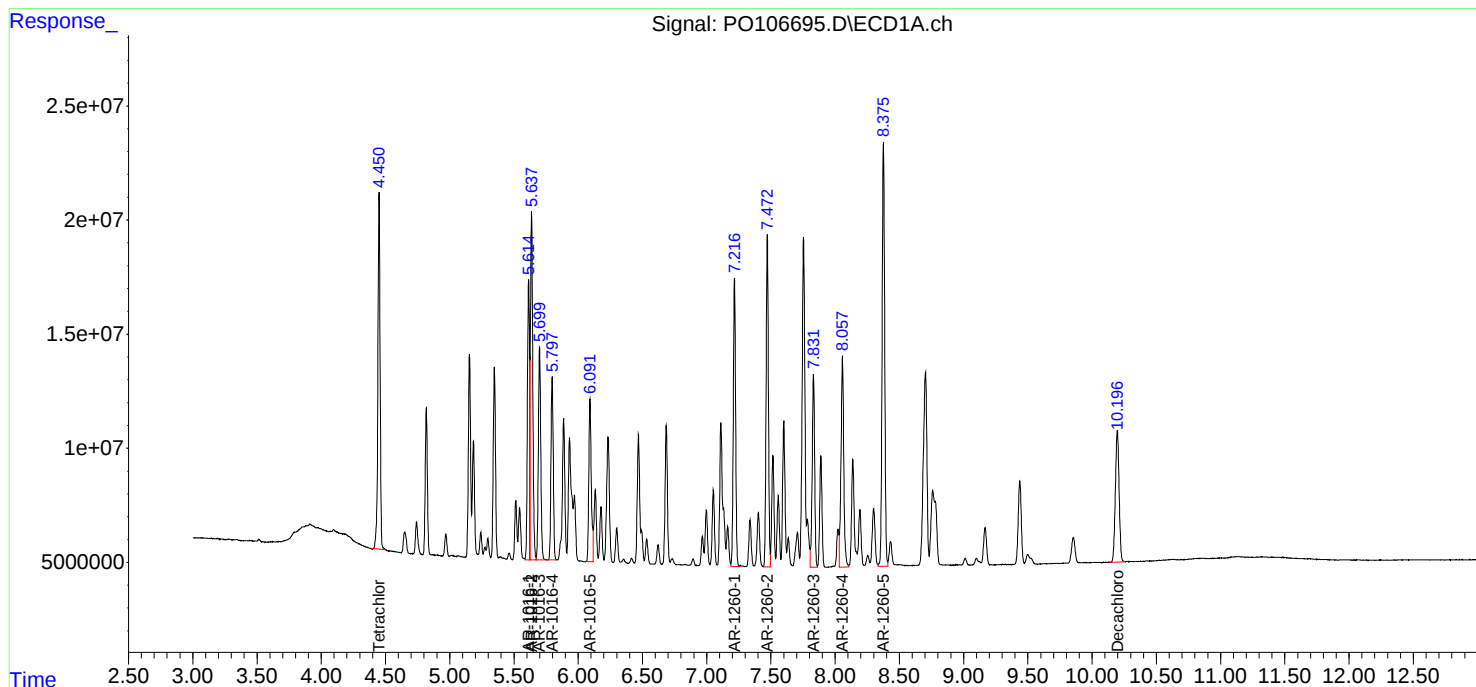
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO091924\
Data File : PO106695.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2024 16:39
Operator : YP/AJ
Sample : PB163523BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB163523BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 05:18:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 09:57:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	ENTACT	Date Collected:	09/17/24
Project:	North Point	Date Received:	09/18/24
Client Sample ID:	WC-14-5-7.5BMS	SDG No.:	P4103
Lab Sample ID:	P4103-07MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.1
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO106700.D	1	09/19/24 11:09	09/19/24 18:09	PB163523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	139		3.80	18.8	ug/kg
11104-28-2	Aroclor-1221	7.10	U	7.10	18.8	ug/kg
11141-16-5	Aroclor-1232	3.80	U	3.80	18.8	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	18.8	ug/kg
12672-29-6	Aroclor-1248	8.70	U	8.70	18.8	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.8	ug/kg
37324-23-5	Aroclor-1262	5.10	U	5.10	18.8	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.8	ug/kg
11096-82-5	Aroclor-1260	172		3.20	18.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.1		30 (32) - 150 (144)	70%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.5		30 (32) - 150 (175)	103%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0091924\
 Data File : P0106700.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2024 18:09
 Operator : YP/AJ
 Sample : P4103-07MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

WC-14-5-7.5BMS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 09/20/2024

Supervised By :Ankita Jodhani 09/20/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 20 05:20:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 09:57:51 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.452	3.713	99265143	37535402	13.233	14.052m
2) SA Decachlor...	10.196	8.738	101.5E6	40512280	20.531	20.254
Target Compounds						
3) L1 AR-1016-1	5.615	4.800	95335014	34883854	373.251	366.224
4) L1 AR-1016-2	5.638	4.820	130.7E6	45662838	367.253	357.268
5) L1 AR-1016-3	5.701	4.997	77807707	26094431	357.001	378.275
6) L1 AR-1016-4	5.798	5.037	69367228	21001118	391.107m	395.446
7) L1 AR-1016-5	6.093	5.252	67351581	26503196	390.240	371.008
31) L7 AR-1260-1	7.217	6.286	140.5E6	54232739	498.019	419.354
32) L7 AR-1260-2	7.473	6.473	154.5E6	67710213	463.131	426.631
33) L7 AR-1260-3	7.832	6.628	104.3E6	64252531	462.106	416.560
34) L7 AR-1260-4	8.057	7.100	120.0E6	45883358	433.661m	431.573
35) L7 AR-1260-5	8.377	7.339	236.5E6	116.7E6	479.176	453.827

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO091924\
Data File : PO106700.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2024 18:09
Operator : YP/AJ
Sample : P4103-07MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

WC-14-5-7.5BMS

Manual Integrations

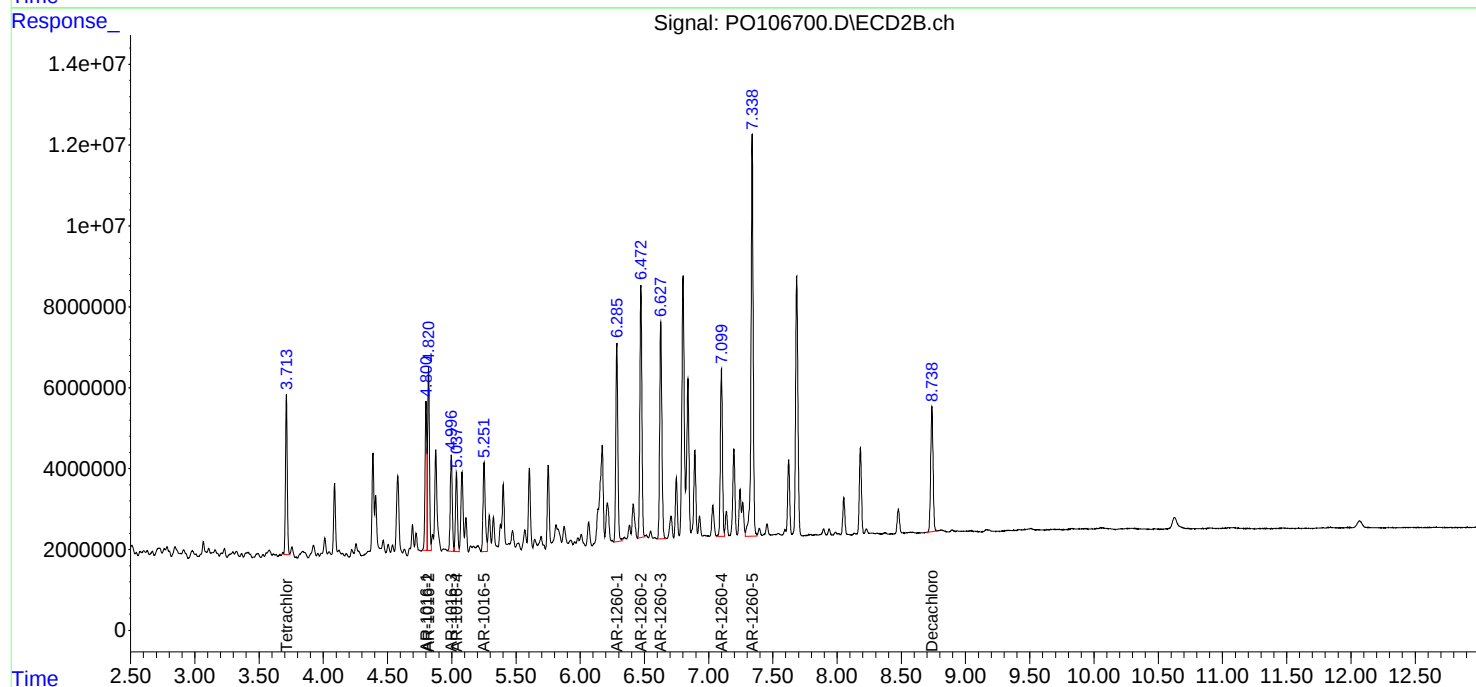
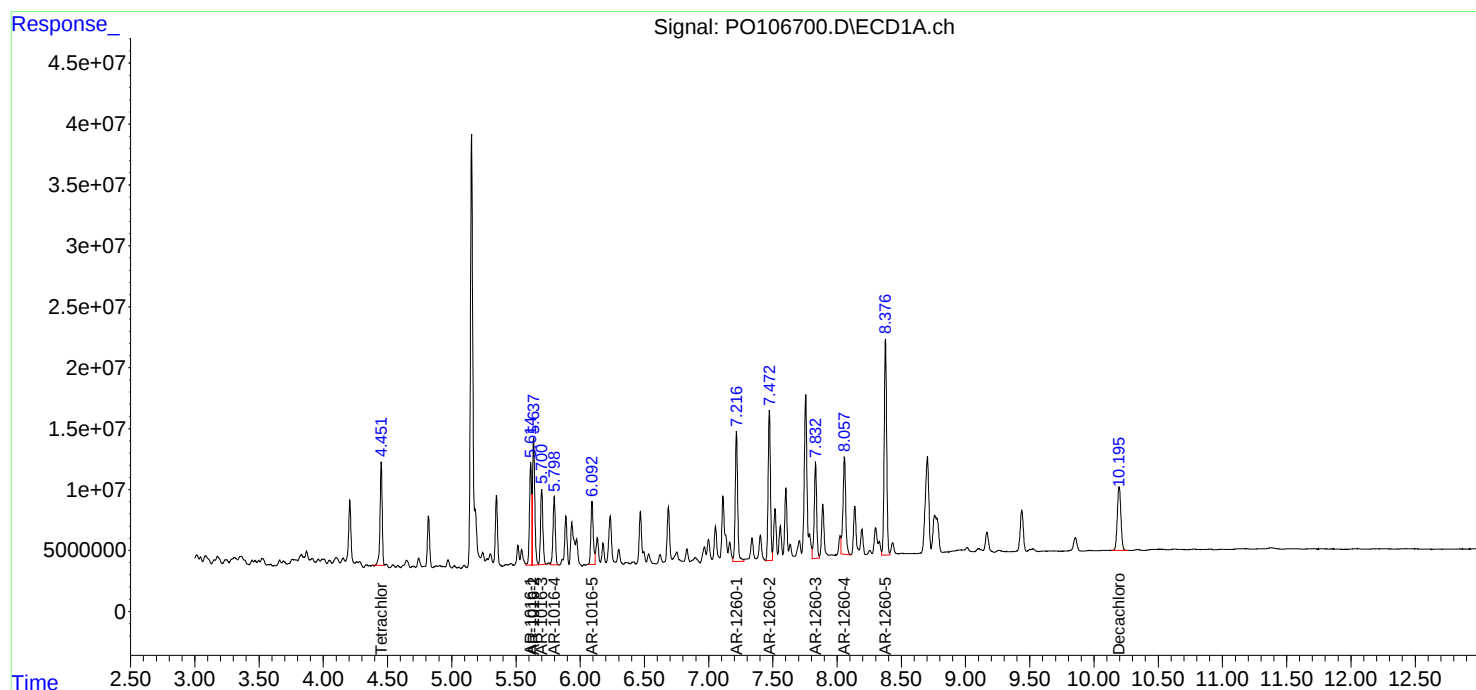
APPROVED

Reviewed By :Yogesh Patel 09/20/2024

Supervised By :Ankita Jodhani 09/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 05:20:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 09:57:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	ENTACT	Date Collected:	09/17/24
Project:	North Point	Date Received:	09/18/24
Client Sample ID:	WC-14-5-7.5BMSD	SDG No.:	P4103
Lab Sample ID:	P4103-07MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.1
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO106701.D	1	09/19/24 11:09	09/19/24 18:27	PB163523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	140		3.80	18.8	ug/kg
11104-28-2	Aroclor-1221	7.10	U	7.10	18.8	ug/kg
11141-16-5	Aroclor-1232	3.80	U	3.80	18.8	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	18.8	ug/kg
12672-29-6	Aroclor-1248	8.70	U	8.70	18.8	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.8	ug/kg
37324-23-5	Aroclor-1262	5.10	U	5.10	18.8	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.8	ug/kg
11096-82-5	Aroclor-1260	177		3.20	18.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.0		30 (32) - 150 (144)	70%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.9		30 (32) - 150 (175)	105%	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\P0091924\
 Data File : P0106701.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2024 18:27
 Operator : YP/AJ
 Sample : P4103-07MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

WC-14-5-7.5BMSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 09/20/2024

Supervised By :Ankita Jodhani 09/20/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 20 05:21:10 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0090924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 10 09:57:51 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.451	3.712	99673356	37499085	13.287	14.038m
2) SA Decachlor...	10.196	8.738	103.3E6	40542588	20.905	20.269
Target Compounds						
3) L1 AR-1016-1	5.615	4.800	96024153	34890302	375.949	366.292
4) L1 AR-1016-2	5.638	4.819	130.8E6	45785414	367.435	358.227
5) L1 AR-1016-3	5.700	4.996	78193332	26266533	358.771	380.770
6) L1 AR-1016-4	5.798	5.036	70213272	21268019	395.877m	400.471
7) L1 AR-1016-5	6.093	5.251	68079520	26790756	394.458	375.033
31) L7 AR-1260-1	7.217	6.285	142.4E6	54916907	504.836	424.644
32) L7 AR-1260-2	7.473	6.473	158.9E6	68716208	476.288	432.970
33) L7 AR-1260-3	7.832	6.628	105.2E6	65320138	465.917	423.481
34) L7 AR-1260-4	8.057	7.099	128.9E6	46666744	465.846	438.942
35) L7 AR-1260-5	8.376	7.339	239.1E6	118.3E6	484.447	459.983

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO091924\
Data File : PO106701.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2024 18:27
Operator : YP/AJ
Sample : P4103-07MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

WC-14-5-7.5BMSD

Manual Integrations

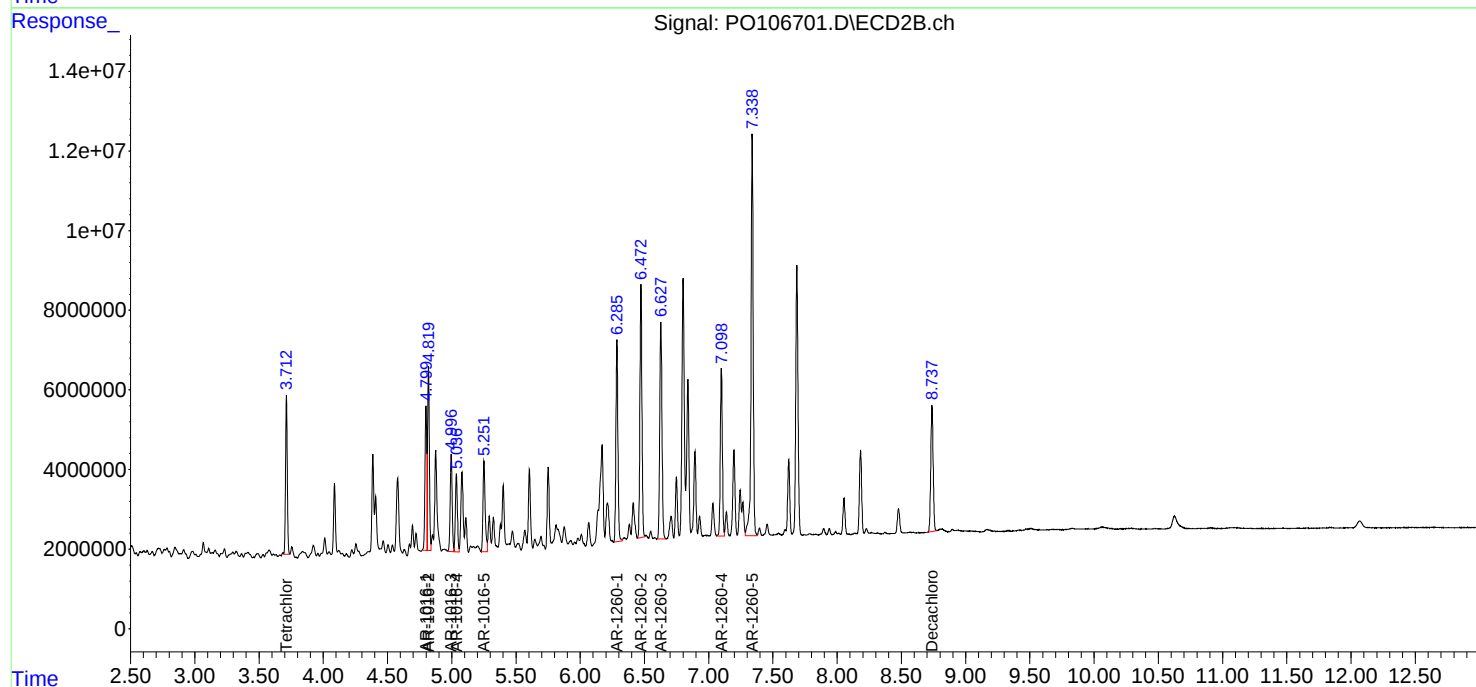
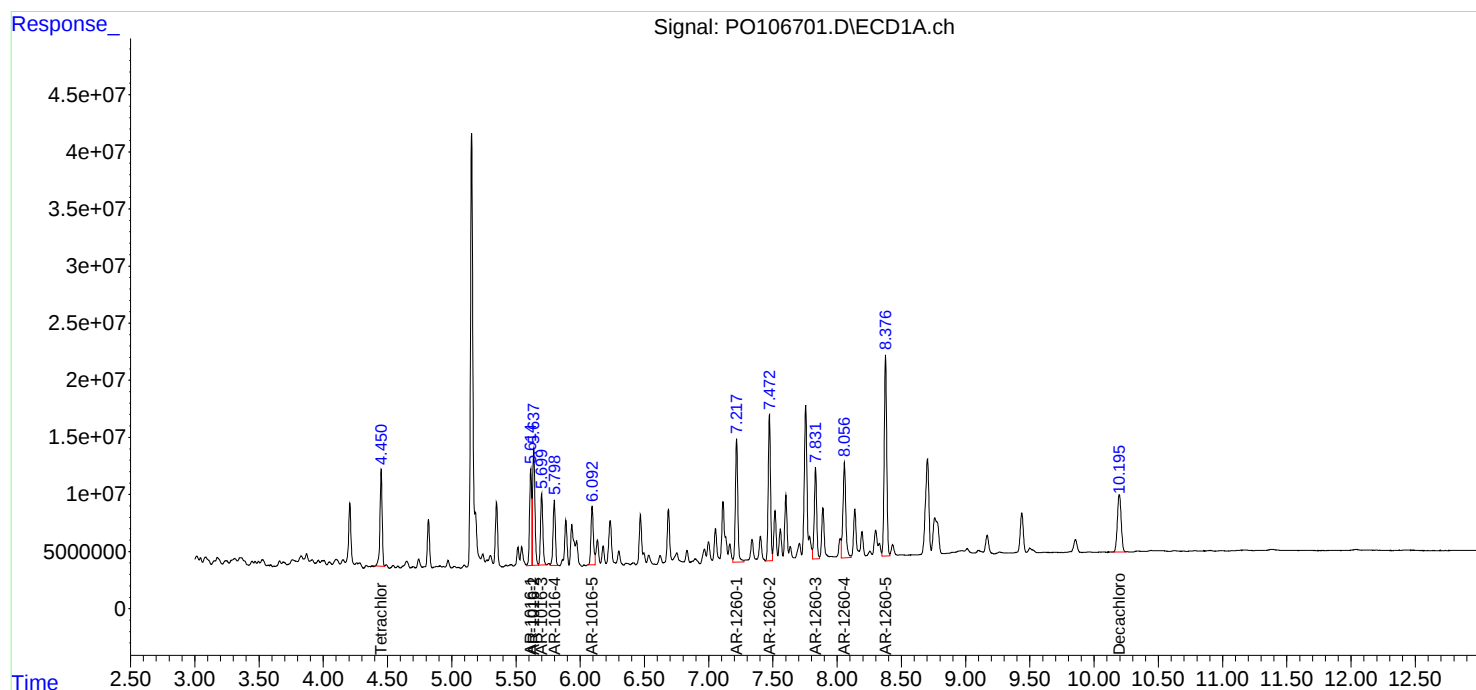
APPROVED

Reviewed By :Yogesh Patel 09/20/2024

Supervised By :Ankita Jodhani 09/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 05:21:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO090924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 10 09:57:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

Sequence:

PO090924

Instrument

ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO106318.D	AR-1260-3	yogesh	9/10/2024 10:38:55 AM	Ankita	9/10/2024 11:52:32	Peak Integrated by Software
AR1660ICC050	PO106318.D	AR-1260-4	yogesh	9/10/2024 10:38:55 AM	Ankita	9/10/2024 11:52:32	Peak Integrated by Software
AR1660ICC050	PO106318.D	AR-1260-5	yogesh	9/10/2024 10:38:55 AM	Ankita	9/10/2024 11:52:32	Peak Integrated by Software
AR1254ICC050	PO106335.D	AR-1254-1 #2	yogesh	9/10/2024 10:38:57 AM	Ankita	9/10/2024 11:52:34	Peak Integrated by Software
AR1254ICC050	PO106335.D	AR-1254-2 #2	yogesh	9/10/2024 10:38:57 AM	Ankita	9/10/2024 11:52:34	Peak Integrated by Software

Manual Integration Report

Sequence:	PO091924	Instrument	ECD_o
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PO106684.D	AR-1242-5	yogesh	9/20/2024 11:14:57 AM	Ankita	9/20/2024 2:08:56	Peak Integrated by Software
AR1242CCC500	PO106684.D	AR-1242-5 #2	yogesh	9/20/2024 11:14:57 AM	Ankita	9/20/2024 2:08:56	Peak Integrated by Software
AR1248CCC500	PO106685.D	AR-1248-4 #2	yogesh	9/20/2024 11:14:59 AM	Ankita	9/20/2024 2:08:58	Peak Integrated by Software
AR1242CCC500	PO106690.D	AR-1242-5	yogesh	9/20/2024 11:15:03 AM	Ankita	9/20/2024 2:09:01	Peak Integrated by Software
AR1248CCC500	PO106691.D	AR-1248-4 #2	yogesh	9/20/2024 11:15:05 AM	Ankita	9/20/2024 2:09:02	Peak Integrated by Software
AR1248CCC500	PO106691.D	AR-1248-5 #2	yogesh	9/20/2024 11:15:05 AM	Ankita	9/20/2024 2:09:02	Peak Integrated by Software
P4103-01	PO106697.D	Decachlorobiphenyl #2	yogesh	9/20/2024 11:15:09 AM	Ankita	9/20/2024 2:09:06	Peak Integrated by Software
P4103-01	PO106697.D	Tetrachloro-m-xylene #2	yogesh	9/20/2024 11:15:09 AM	Ankita	9/20/2024 2:09:06	Peak Integrated by Software
P4103-04	PO106698.D	Decachlorobiphenyl #2	yogesh	9/20/2024 11:15:11 AM	Ankita	9/20/2024 2:09:08	Peak Integrated by Software
P4103-04	PO106698.D	Tetrachloro-m-xylene	yogesh	9/20/2024 11:15:11 AM	Ankita	9/20/2024 2:09:08	Peak Integrated by Software
P4103-04	PO106698.D	Tetrachloro-m-xylene #2	yogesh	9/20/2024 11:15:11 AM	Ankita	9/20/2024 2:09:08	Peak Integrated by Software
P4103-07	PO106699.D	Tetrachloro-m-xylene #2	yogesh	9/20/2024 11:15:12 AM	Ankita	9/20/2024 2:09:09	Peak Integrated by Software
P4103-07MS	PO106700.D	AR-1016-4	yogesh	9/20/2024 11:15:14 AM	Ankita	9/20/2024 2:09:11	Peak Integrated by Software

Manual Integration Report

Sequence:	PO091924	Instrument	ECD_o
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4103-07MS	PO106700.D	AR-1260-4	yogesh	9/20/2024 11:15:14 AM	Ankita	9/20/2024 2:09:11	Peak Integrated by Software
P4103-07MS	PO106700.D	Tetrachloro-m-xylene #2	yogesh	9/20/2024 11:15:14 AM	Ankita	9/20/2024 2:09:11	Peak Integrated by Software
P4103-07MSD	PO106701.D	AR-1016-4	yogesh	9/20/2024 11:15:16 AM	Ankita	9/20/2024 2:09:13	Peak Integrated by Software
P4103-07MSD	PO106701.D	Tetrachloro-m-xylene #2	yogesh	9/20/2024 11:15:16 AM	Ankita	9/20/2024 2:09:13	Peak Integrated by Software
P4103-10	PO106702.D	Decachlorobiphenyl #2	yogesh	9/20/2024 11:15:18 AM	Ankita	9/20/2024 2:09:14	Peak Integrated by Software
P4103-10	PO106702.D	Tetrachloro-m-xylene #2	yogesh	9/20/2024 11:15:18 AM	Ankita	9/20/2024 2:09:14	Peak Integrated by Software
P4103-13	PO106703.D	AR-1254-1 #2	yogesh	9/20/2024 11:15:21 AM	Ankita	9/20/2024 2:09:16	Peak Integrated by Software
P4103-13	PO106703.D	AR-1254-2 #2	yogesh	9/20/2024 11:15:21 AM	Ankita	9/20/2024 2:09:16	Peak Integrated by Software
P4103-13	PO106703.D	AR-1254-3	yogesh	9/20/2024 11:15:21 AM	Ankita	9/20/2024 2:09:16	Peak Integrated by Software
P4103-13	PO106703.D	AR-1254-4	yogesh	9/20/2024 11:15:21 AM	Ankita	9/20/2024 2:09:16	Peak Integrated by Software
P4103-13	PO106703.D	AR-1254-5	yogesh	9/20/2024 11:15:21 AM	Ankita	9/20/2024 2:09:16	Peak Integrated by Software
P4103-13	PO106703.D	Tetrachloro-m-xylene	yogesh	9/20/2024 11:15:21 AM	Ankita	9/20/2024 2:09:16	Peak Integrated by Software
P4103-13	PO106703.D	Tetrachloro-m-xylene #2	yogesh	9/20/2024 11:15:21 AM	Ankita	9/20/2024 2:09:16	Peak Integrated by Software

Manual Integration Report

Sequence:	PO091924	Instrument	ECD_o
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PO106706.D	AR-1248-4 #2	yogesh	9/20/2024 11:15:22 AM	Ankita	9/20/2024 2:09:18	Peak Integrated by Software
P4103-16	PO106709.D	Tetrachloro-m-xylene #2	yogesh	9/20/2024 11:15:24 AM	Ankita	9/20/2024 2:09:20	Peak Integrated by Software
AR1660CCC500	PO106711.D	AR-1016-5 #2	yogesh	9/20/2024 11:15:29 AM	Ankita	9/20/2024 2:09:23	Peak Integrated by Software
AR1248CCC500	PO106713.D	AR-1248-4	yogesh	9/20/2024 11:15:31 AM	Ankita	9/20/2024 2:09:26	Peak Integrated by Software
AR1248CCC500	PO106713.D	AR-1248-4 #2	yogesh	9/20/2024 11:15:31 AM	Ankita	9/20/2024 2:09:26	Peak Integrated by Software
AR1248CCC500	PO106713.D	AR-1248-5	yogesh	9/20/2024 11:15:31 AM	Ankita	9/20/2024 2:09:26	Peak Integrated by Software
AR1248CCC500	PO106713.D	AR-1248-5 #2	yogesh	9/20/2024 11:15:31 AM	Ankita	9/20/2024 2:09:26	Peak Integrated by Software
AR1254CCC500	PO106714.D	AR-1254-1	yogesh	9/20/2024 11:15:33 AM	Ankita	9/20/2024 2:09:27	Peak Integrated by Software
AR1254CCC500	PO106714.D	AR-1254-1 #2	yogesh	9/20/2024 11:15:33 AM	Ankita	9/20/2024 2:09:27	Peak Integrated by Software
AR1254CCC500	PO106714.D	AR-1254-2 #2	yogesh	9/20/2024 11:15:33 AM	Ankita	9/20/2024 2:09:27	Peak Integrated by Software

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO090924

Review By	yogesh	Review On	9/10/2024 10:39:06 AM
Supervise By	Ankita	Supervise On	9/10/2024 11:52:41 AM
SubDirectory	PO090924	HP Acquire Method	HP Processing Method PO090924
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255		
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253		
Internal Standard/PEM			
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO106310.D	09 Sep 2024 10:49	YP/AJ	Ok
2	AR1660CCC500	PO106311.D	09 Sep 2024 11:06	YP/AJ	Not Ok
3	HEXANE	PO106312.D	09 Sep 2024 14:57	YP/AJ	Ok
4	I.BLK	PO106313.D	09 Sep 2024 15:14	YP/AJ	Ok
5	AR1660ICC1000	PO106314.D	09 Sep 2024 15:31	YP/AJ	Ok
6	AR1660ICC750	PO106315.D	09 Sep 2024 15:49	YP/AJ	Ok
7	AR1660ICC500	PO106316.D	09 Sep 2024 16:06	YP/AJ	Ok
8	AR1660ICC250	PO106317.D	09 Sep 2024 16:23	YP/AJ	Ok
9	AR1660ICC050	PO106318.D	09 Sep 2024 16:41	YP/AJ	Ok,M
10	AR1221ICC500	PO106319.D	09 Sep 2024 16:58	YP/AJ	Ok
11	AR1232ICC500	PO106320.D	09 Sep 2024 17:15	YP/AJ	Ok
12	AR1242ICC1000	PO106321.D	09 Sep 2024 17:33	YP/AJ	Ok
13	AR1242ICC750	PO106322.D	09 Sep 2024 17:50	YP/AJ	Ok
14	AR1242ICC500	PO106323.D	09 Sep 2024 18:07	YP/AJ	Ok
15	AR1242ICC250	PO106324.D	09 Sep 2024 18:25	YP/AJ	Ok
16	AR1242ICC050	PO106325.D	09 Sep 2024 18:42	YP/AJ	Ok
17	AR1248ICC1000	PO106326.D	09 Sep 2024 19:00	YP/AJ	Ok
18	AR1248ICC750	PO106327.D	09 Sep 2024 19:17	YP/AJ	Ok
19	AR1248ICC500	PO106328.D	09 Sep 2024 19:35	YP/AJ	Ok
20	AR1248ICC250	PO106329.D	09 Sep 2024 19:52	YP/AJ	Ok
21	AR1248ICC050	PO106330.D	09 Sep 2024 20:09	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO090924

Review By	yogesh	Review On	9/10/2024 10:39:06 AM
Supervise By	Ankita	Supervise On	9/10/2024 11:52:41 AM
SubDirectory	PO090924	HP Acquire Method	HP Processing Method PO090924
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255		
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253		
Internal Standard/PEM			
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1254ICC1000	PO106331.D	09 Sep 2024 20:27	YP/AJ	Ok
23	AR1254ICC750	PO106332.D	09 Sep 2024 20:44	YP/AJ	Ok
24	AR1254ICC500	PO106333.D	09 Sep 2024 21:01	YP/AJ	Ok
25	AR1254ICC250	PO106334.D	09 Sep 2024 21:19	YP/AJ	Ok
26	AR1254ICC050	PO106335.D	09 Sep 2024 21:36	YP/AJ	Ok,M
27	AR1262ICC500	PO106336.D	09 Sep 2024 21:53	YP/AJ	Ok
28	AR1268ICC1000	PO106337.D	09 Sep 2024 22:11	YP/AJ	Ok
29	AR1268ICC750	PO106338.D	09 Sep 2024 22:28	YP/AJ	Ok
30	AR1268ICC500	PO106339.D	09 Sep 2024 22:46	YP/AJ	Ok
31	AR1268ICC250	PO106340.D	09 Sep 2024 23:03	YP/AJ	Ok
32	AR1268ICC050	PO106341.D	09 Sep 2024 23:20	YP/AJ	Ok
33	PO090924ICV500	PO106342.D	09 Sep 2024 23:38	YP/AJ	Not Ok
34	AR1242ICV500	PO106343.D	09 Sep 2024 23:55	YP/AJ	Not Ok
35	AR1248ICV500	PO106344.D	10 Sep 2024 00:12	YP/AJ	Ok
36	AR1254ICV500	PO106345.D	10 Sep 2024 00:30	YP/AJ	Ok
37	AR1268ICV500	PO106346.D	10 Sep 2024 00:47	YP/AJ	Ok
38	PO090924ICV500	PO106347.D	10 Sep 2024 09:19	YP/AJ	Ok
39	AR1242ICV500	PO106348.D	10 Sep 2024 09:36	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO091924

Review By	yogesh	Review On	9/20/2024 11:15:49 AM
Supervise By	Ankita	Supervise On	9/20/2024 2:09:45 PM
SubDirectory	PO091924	HP Acquire Method	HP Processing Method PO090924
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255		
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253		
Internal Standard/PEM			
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO106682.D	19 Sep 2024 08:59	YP/AJ	Ok
2	AR1660CCC500	PO106683.D	19 Sep 2024 09:17	YP/AJ	Ok
3	AR1242CCC500	PO106684.D	19 Sep 2024 09:35	YP/AJ	Ok,M
4	AR1248CCC500	PO106685.D	19 Sep 2024 09:53	YP/AJ	Ok,M
5	AR1254CCC500	PO106686.D	19 Sep 2024 10:11	YP/AJ	Ok
6	I.BLK	PO106687.D	19 Sep 2024 10:29	YP/AJ	Ok
7	P4089-01DL	PO106688.D	19 Sep 2024 10:48	YP/AJ	Ok,M
8	AR1660CCC500	PO106689.D	19 Sep 2024 14:10	YP/AJ	Ok
9	AR1242CCC500	PO106690.D	19 Sep 2024 14:28	YP/AJ	Ok,M
10	AR1248CCC500	PO106691.D	19 Sep 2024 14:46	YP/AJ	Ok,M
11	AR1254CCC500	PO106692.D	19 Sep 2024 15:05	YP/AJ	Ok
12	I.BLK	PO106693.D	19 Sep 2024 15:22	YP/AJ	Ok
13	PB163523BL	PO106694.D	19 Sep 2024 16:21	YP/AJ	Ok
14	PB163523BS	PO106695.D	19 Sep 2024 16:39	YP/AJ	Ok
15	P4099-01	PO106696.D	19 Sep 2024 16:56	YP/AJ	ReRun
16	P4103-01	PO106697.D	19 Sep 2024 17:14	YP/AJ	Ok,M
17	P4103-04	PO106698.D	19 Sep 2024 17:33	YP/AJ	Ok,M
18	P4103-07	PO106699.D	19 Sep 2024 17:51	YP/AJ	Ok,M
19	P4103-07MS	PO106700.D	19 Sep 2024 18:09	YP/AJ	Ok,M
20	P4103-07MSD	PO106701.D	19 Sep 2024 18:27	YP/AJ	Ok,M
21	P4103-10	PO106702.D	19 Sep 2024 18:44	YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO091924

Review By	yogesh	Review On	9/20/2024 11:15:49 AM
Supervise By	Ankita	Supervise On	9/20/2024 2:09:45 PM
SubDirectory	PO091924	HP Acquire Method	HP Processing Method PO090924
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255		
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253		
Internal Standard/PEM			
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4103-13	PO106703.D	19 Sep 2024 19:03	YP/AJ	Ok,M
23	AR1660CCC500	PO106704.D	19 Sep 2024 20:03	YP/AJ	Ok
24	AR1242CCC500	PO106705.D	19 Sep 2024 20:22	YP/AJ	Ok
25	AR1248CCC500	PO106706.D	19 Sep 2024 20:40	YP/AJ	Ok,M
26	AR1254CCC500	PO106707.D	19 Sep 2024 20:58	YP/AJ	Ok
27	I.BLK	PO106708.D	19 Sep 2024 21:16	YP/AJ	Ok
28	P4103-16	PO106709.D	19 Sep 2024 21:35	YP/AJ	Ok,M
29	P4117-01	PO106710.D	19 Sep 2024 21:53	YP/AJ	Ok,M
30	AR1660CCC500	PO106711.D	19 Sep 2024 22:54	YP/AJ	Ok,M
31	AR1242CCC500	PO106712.D	19 Sep 2024 23:11	YP/AJ	Ok
32	AR1248CCC500	PO106713.D	19 Sep 2024 23:30	YP/AJ	Ok,M
33	AR1254CCC500	PO106714.D	19 Sep 2024 23:48	YP/AJ	Ok,M
34	I.BLK	PO106715.D	20 Sep 2024 00:06	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO090924

Review By	yogesh	Review On	9/10/2024 10:39:06 AM
Supervise By	Ankita	Supervise On	9/10/2024 11:52:41 AM
SubDirectory	PO090924	HP Acquire Method	HP Processing Method PO090924

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO106310.D	09 Sep 2024 10:49		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO106311.D	09 Sep 2024 11:06	need ical	YP/AJ	Not Ok
3	HEXANE	HEXANE	PO106312.D	09 Sep 2024 14:57		YP/AJ	Ok
4	I.BLK	I.BLK	PO106313.D	09 Sep 2024 15:14		YP/AJ	Ok
5	AR1660ICC1000	AR1660ICC1000	PO106314.D	09 Sep 2024 15:31		YP/AJ	Ok
6	AR1660ICC750	AR1660ICC750	PO106315.D	09 Sep 2024 15:49		YP/AJ	Ok
7	AR1660ICC500	AR1660ICC500	PO106316.D	09 Sep 2024 16:06		YP/AJ	Ok
8	AR1660ICC250	AR1660ICC250	PO106317.D	09 Sep 2024 16:23		YP/AJ	Ok
9	AR1660ICC050	AR1660ICC050	PO106318.D	09 Sep 2024 16:41		YP/AJ	Ok,M
10	AR1221ICC500	AR1221ICC500	PO106319.D	09 Sep 2024 16:58		YP/AJ	Ok
11	AR1232ICC500	AR1232ICC500	PO106320.D	09 Sep 2024 17:15		YP/AJ	Ok
12	AR1242ICC1000	AR1242ICC1000	PO106321.D	09 Sep 2024 17:33		YP/AJ	Ok
13	AR1242ICC750	AR1242ICC750	PO106322.D	09 Sep 2024 17:50		YP/AJ	Ok
14	AR1242ICC500	AR1242ICC500	PO106323.D	09 Sep 2024 18:07		YP/AJ	Ok
15	AR1242ICC250	AR1242ICC250	PO106324.D	09 Sep 2024 18:25		YP/AJ	Ok
16	AR1242ICC050	AR1242ICC050	PO106325.D	09 Sep 2024 18:42		YP/AJ	Ok
17	AR1248ICC1000	AR1248ICC1000	PO106326.D	09 Sep 2024 19:00		YP/AJ	Ok
18	AR1248ICC750	AR1248ICC750	PO106327.D	09 Sep 2024 19:17		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO090924

Review By	yogesh	Review On	9/10/2024 10:39:06 AM
Supervise By	Ankita	Supervise On	9/10/2024 11:52:41 AM
SubDirectory	PO090924	HP Acquire Method	HP Processing Method PO090924
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255		
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253		
Internal Standard/PEM			
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248ICC500	AR1248ICC500	PO106328.D	09 Sep 2024 19:35		YP/AJ	Ok
20	AR1248ICC250	AR1248ICC250	PO106329.D	09 Sep 2024 19:52		YP/AJ	Ok
21	AR1248ICC050	AR1248ICC050	PO106330.D	09 Sep 2024 20:09		YP/AJ	Ok
22	AR1254ICC1000	AR1254ICC1000	PO106331.D	09 Sep 2024 20:27		YP/AJ	Ok
23	AR1254ICC750	AR1254ICC750	PO106332.D	09 Sep 2024 20:44		YP/AJ	Ok
24	AR1254ICC500	AR1254ICC500	PO106333.D	09 Sep 2024 21:01		YP/AJ	Ok
25	AR1254ICC250	AR1254ICC250	PO106334.D	09 Sep 2024 21:19		YP/AJ	Ok
26	AR1254ICC050	AR1254ICC050	PO106335.D	09 Sep 2024 21:36		YP/AJ	Ok,M
27	AR1262ICC500	AR1262ICC500	PO106336.D	09 Sep 2024 21:53		YP/AJ	Ok
28	AR1268ICC1000	AR1268ICC1000	PO106337.D	09 Sep 2024 22:11		YP/AJ	Ok
29	AR1268ICC750	AR1268ICC750	PO106338.D	09 Sep 2024 22:28		YP/AJ	Ok
30	AR1268ICC500	AR1268ICC500	PO106339.D	09 Sep 2024 22:46		YP/AJ	Ok
31	AR1268ICC250	AR1268ICC250	PO106340.D	09 Sep 2024 23:03		YP/AJ	Ok
32	AR1268ICC050	AR1268ICC050	PO106341.D	09 Sep 2024 23:20		YP/AJ	Ok
33	PO090924ICV500	ICVPO090924	PO106342.D	09 Sep 2024 23:38	ICV Fail	YP/AJ	Not Ok
34	AR1242ICV500	ICVPO090924	PO106343.D	09 Sep 2024 23:55	ICV fail	YP/AJ	Not Ok
35	AR1248ICV500	ICVPO090924AR1248	PO106344.D	10 Sep 2024 00:12		YP/AJ	Ok
36	AR1254ICV500	ICVPO090924AR1254	PO106345.D	10 Sep 2024 00:30		YP/AJ	Ok
37	AR1268ICV500	ICVPO090924AR1268	PO106346.D	10 Sep 2024 00:47		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO090924

Review By	yogesh	Review On	9/10/2024 10:39:06 AM
Supervise By	Ankita	Supervise On	9/10/2024 11:52:41 AM
SubDirectory	PO090924	HP Acquire Method	HP Processing Method PO090924

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,P P23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP 23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PO090924ICV500	ICVPO090924	PO106347.D	10 Sep 2024 09:19		YP/AJ	Ok
39	AR1242ICV500	ICVPO090924AR1242	PO106348.D	10 Sep 2024 09:36		YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO091924

Review By	yogesh	Review On	9/20/2024 11:15:49 AM
Supervise By	Ankita	Supervise On	9/20/2024 2:09:45 PM
SubDirectory	PO091924	HP Acquire Method	HP Processing Method PO090924

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

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO106682.D	19 Sep 2024 08:59		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO106683.D	19 Sep 2024 09:17		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO106684.D	19 Sep 2024 09:35		YP/AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PO106685.D	19 Sep 2024 09:53		YP/AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PO106686.D	19 Sep 2024 10:11		YP/AJ	Ok
6	I.BLK	I.BLK	PO106687.D	19 Sep 2024 10:29		YP/AJ	Ok
7	P4089-01DL	365-351-294DL	PO106688.D	19 Sep 2024 10:48	AR1242 Hit,	YP/AJ	Ok,M
8	AR1660CCC500	AR1660CCC500	PO106689.D	19 Sep 2024 14:10		YP/AJ	Ok
9	AR1242CCC500	AR1242CCC500	PO106690.D	19 Sep 2024 14:28		YP/AJ	Ok,M
10	AR1248CCC500	AR1248CCC500	PO106691.D	19 Sep 2024 14:46		YP/AJ	Ok,M
11	AR1254CCC500	AR1254CCC500	PO106692.D	19 Sep 2024 15:05		YP/AJ	Ok
12	I.BLK	I.BLK	PO106693.D	19 Sep 2024 15:22		YP/AJ	Ok
13	PB163523BL	PB163523BL	PO106694.D	19 Sep 2024 16:21		YP/AJ	Ok
14	PB163523BS	PB163523BS	PO106695.D	19 Sep 2024 16:39		YP/AJ	Ok
15	P4099-01	GAS-TRANSMISSION	PO106696.D	19 Sep 2024 16:56	DCB high in 1st column, TCMX high in one column	YP/AJ	ReRun
16	P4103-01	WC-22A	PO106697.D	19 Sep 2024 17:14		YP/AJ	Ok,M
17	P4103-04	WC-14-5-7.5A	PO106698.D	19 Sep 2024 17:33		YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO091924

Review By	yogesh	Review On	9/20/2024 11:15:49 AM
Supervise By	Ankita	Supervise On	9/20/2024 2:09:45 PM
SubDirectory	PO091924	HP Acquire Method	HP Processing Method PO090924
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,P P23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP 23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255		
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253		
Internal Standard/PEM			
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	P4103-07	WC-14-5-7.5B	PO106699.D	19 Sep 2024 17:51		YP/AJ	Ok,M
19	P4103-07MS	WC-14-5-7.5BMS	PO106700.D	19 Sep 2024 18:09		YP/AJ	Ok,M
20	P4103-07MSD	WC-14-5-7.5BMSD	PO106701.D	19 Sep 2024 18:27		YP/AJ	Ok,M
21	P4103-10	WC-14-7.5-10A	PO106702.D	19 Sep 2024 18:44		YP/AJ	Ok,M
22	P4103-13	WC-14-7.5-10B	PO106703.D	19 Sep 2024 19:03		YP/AJ	Ok,M
23	AR1660CCC500	AR1660CCC500	PO106704.D	19 Sep 2024 20:03		YP/AJ	Ok
24	AR1242CCC500	AR1242CCC500	PO106705.D	19 Sep 2024 20:22		YP/AJ	Ok
25	AR1248CCC500	AR1248CCC500	PO106706.D	19 Sep 2024 20:40		YP/AJ	Ok,M
26	AR1254CCC500	AR1254CCC500	PO106707.D	19 Sep 2024 20:58		YP/AJ	Ok
27	I.BLK	I.BLK	PO106708.D	19 Sep 2024 21:16		YP/AJ	Ok
28	P4103-16	WC-23	PO106709.D	19 Sep 2024 21:35		YP/AJ	Ok,M
29	P4117-01	MOO-SOIL-PILE	PO106710.D	19 Sep 2024 21:53	AR1254 Hit	YP/AJ	Ok,M
30	AR1660CCC500	AR1660CCC500	PO106711.D	19 Sep 2024 22:54		YP/AJ	Ok,M
31	AR1242CCC500	AR1242CCC500	PO106712.D	19 Sep 2024 23:11		YP/AJ	Ok
32	AR1248CCC500	AR1248CCC500	PO106713.D	19 Sep 2024 23:30		YP/AJ	Ok,M
33	AR1254CCC500	AR1254CCC500	PO106714.D	19 Sep 2024 23:48		YP/AJ	Ok,M
34	I.BLK	I.BLK	PO106715.D	20 Sep 2024 00:06		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 9/20/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 09/19/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 09/20/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB132510

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
P4024-01	DDCD5	1	1.12	8.67	9.79	8.58	86.0	
P4024-02	DDCD5MS	2	1.12	8.67	9.79	8.58	86.0	
P4024-03	DDCD5MSD	3	1.12	8.67	9.79	8.58	86.0	
P4024-04	VHBLK001	4	1.00	1.00	2.00	2.00	100.0	vhblk
P4024-05	DDC36	5	1.16	8.40	9.56	7.77	78.7	
P4024-06	DDCL2	6	1.15	8.66	9.81	8.33	82.9	
P4103-01	WC-22A	7	1.18	8.49	9.67	9.05	92.7	
P4103-04	WC-14-5-7.5A	8	1.15	8.76	9.91	9.02	89.8	
P4103-07	WC-14-5-7.5B	9	1.14	8.83	9.97	9.1	90.1	
P4103-10	WC-14-7.5-10A	10	1.18	8.75	9.93	8.66	85.5	
P4103-13	WC-14-7.5-10B	11	1.14	8.42	9.56	8.56	88.1	
P4103-16	WC-23	12	1.15	8.73	9.88	8.66	86.0	
P4104-01	WC-14-5-7.5A-EPH-1	13	1.19	8.72	9.91	9.1	90.7	
P4104-02	WC-14-5-7.5A-EPH-2	14	1.17	8.61	9.78	8.95	90.4	
P4104-03	WC-14-5-7.5A-EPH-3	15	1.15	8.40	9.55	8.84	91.5	
P4104-04	WC-14-5-7.5A-EPH-4	16	1.12	8.84	9.96	8.48	83.3	
P4104-06	WC-14-5-7.5B-EPH-1	17	1.18	8.77	9.95	9.05	89.7	
P4104-07	WC-14-5-7.5B-EPH-2	18	1.15	8.62	9.77	8.87	89.6	
P4104-08	WC-14-5-7.5B-EPH-3	19	1.13	8.70	9.83	8.85	88.7	
P4104-09	WC-14-5-7.5B-EPH-4	20	1.15	8.82	9.97	8.91	88.0	
P4104-10	WC-14-5-7.5B-EPH-5	21	1.15	8.83	9.98	9.00	88.9	
P4104-11	WC-14-7.5-10A-EPH-1	22	1.15	8.80	9.95	9.19	91.4	
P4104-12	WC-14-7.5-10A-EPH-2	23	1.15	8.76	9.91	8.66	85.7	
P4104-13	WC-14-7.5-10A-EPH-3	24	1.15	8.81	9.96	9.12	90.5	
P4104-14	WC-14-7.5-10A-EPH-4	25	1.19	8.65	9.84	8.8	88.0	
P4104-15	WC-14-7.5-10A-EPH-5	26	1.15	8.41	9.56	8.7	89.8	
P4104-16	WC-14-7.5-10B-EPH-1	27	1.18	8.64	9.82	8.66	86.6	
P4104-17	WC-14-7.5-10B-EPH-2	28	1.15	8.83	9.98	8.75	86.1	

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 9/20/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 09/19/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 09/20/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB132510

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
P4104-18	WC-14-7.5-10B-EPH-3	29	1.15	8.82	9.97	8.93	88.2	
P4104-19	WC-14-7.5-10B-EPH-4	30	1.19	8.57	9.76	8.76	88.3	
P4104-20	WC-14-7.5-10B-EPH-5	31	1.16	8.61	9.77	8.81	88.9	
P4104-21	WC-22A-EPH-1	32	1.15	8.81	9.96	9.44	94.1	
P4104-22	WC-22A-EPH-2	33	1.18	8.50	9.68	8.41	85.1	
P4104-23	WC-22A-EPH-3	34	1.12	8.66	9.78	9.21	93.4	
P4104-24	WC-22A-EPH-4	35	1.16	8.67	9.83	9.2	92.7	
P4104-25	WC-22A-EPH-5	36	1.16	8.70	9.86	9.24	92.9	
P4104-26	WC-23-EPH-1	37	1.17	8.56	9.73	8.72	88.2	
P4104-27	WC-23-EPH-2	38	1.15	8.83	9.98	9.00	88.9	
P4104-28	WC-23-EPH-3	39	1.15	8.81	9.96	8.65	85.1	
P4104-29	WC-23-EPH-4	40	1.15	8.37	9.52	8.56	88.5	
P4104-30	WC-23-EPH-5	41	1.16	8.61	9.77	8.63	86.8	
P4117-01	MOO-SOIL-PILE	42	1.18	8.68	9.86	8.86	88.5	
P4119-01	TRANSFOMER-OIL	43	1.00	1.00	2.00	2.00	100.0	oil sample
P4119-03	OILY-DEBRIS	44	1.00	1.00	2.00	2.00	100.0	oily-debris
P4120-01	T1	45	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4120-03	T2	46	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4120-05	SF-6-A	47	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4120-07	SF-6-B	48	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4120-09	COMP-1	49	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4120-11	COMP-2	50	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4120-13	RB24085	51	1.13	8.82	9.95	4.23	35.1	GEL MARTIX
P4121-01	COMP-1	52	1.13	8.51	9.64	7.12	70.4	
P4121-02	COMP-2	53	1.00	1.00	2.00	2.00	100.0	debris
P4121-03	ELZ-24-00090	54	1.00	1.00	2.00	2.00	100.0	oil sample
P4122-01	FDH013Y-1-1	55	1.00	1.00	2.00	2.00	100.0	oilc
P4122-02	FDH013Y-1-2	56	1.00	1.00	2.00	2.00	100.0	oilc



PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 9/20/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 09/19/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 09/20/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB132510

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
P4122-03	FDH013Y-2-1	57	1.00	1.00	2.00	2.00	100.0	oilc
P4122-04	FDH013Y-2-2	58	1.00	1.00	2.00	2.00	100.0	oilc
P4123-01	910-B	59	1.13	8.80	9.93	6.38	59.7	
P4123-02	613-D	60	1.00	1.00	2.00	2.00	100.0	debris
P4124-01	2049	61	1.00	1.00	2.00	2.00	100.0	wipe sample
P4124-02	2050	62	1.00	1.00	2.00	2.00	100.0	wipe sample
P4125-01	PL-01-09192024	63	1.15	8.68	9.83	9.53	96.5	
P4125-02	PL-01-09192024-E2	64	1.16	8.44	9.6	9.36	97.2	
P4126-01	NB-08-09192024	65	1.18	8.52	9.7	9.37	96.1	
P4126-02	NB-08-09192024-E2	66	1.11	8.85	9.96	9.27	92.2	

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

WORKLIST(Hardcopy Internal Chain)

132510

WorkList Name : %1-091924 WorkList ID : 183634 Department : Wet-Chemistry Date : 09-19-2024 08:44:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4024-01	DDCD5	Solid	Percent Solids	Cool 4 deg C	USEP04	VS-1	09/09/2024	Chemtech -SO
P4024-02	DDCD5MS	Solid	Percent Solids	Cool 4 deg C	USEP04	VS-1	09/09/2024	Chemtech -SO
P4024-03	DDCD5MSD	Solid	Percent Solids	Cool 4 deg C	USEP04	VS-1	09/09/2024	Chemtech -SO
P4024-04	VHBLK001	Solid	Percent Solids	Cool 4 deg C	USEP04	VS-1	09/14/2024	Chemtech -SO
P4024-05	DDC36	Solid	Percent Solids	Cool 4 deg C	USEP04	VS-1	09/06/2024	Chemtech -SO
P4024-06	DDCL2	Solid	Percent Solids	Cool 4 deg C	USEP04	VS-1	09/10/2024	Chemtech -SO
P4103-01	WC-22A	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4103-04	WC-14-5-7.5A	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4103-07	WC-14-5-7.5B	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4103-10	WC-14-7.5-10A	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4103-13	WC-14-7.5-10B	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4103-16	WC-23	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-01	WC-14-5-7.5A-EPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-02	WC-14-5-7.5A-EPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-03	WC-14-5-7.5A-EPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-04	WC-14-5-7.5A-EPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-06	WC-14-5-7.5B-EPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-07	WC-14-5-7.5B-EPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-08	WC-14-5-7.5B-EPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-09	WC-14-5-7.5B-EPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-10	WC-14-5-7.5B-EPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO

Date/Time 09-19-24 15:30 Date/Time 09-19-24 17:25
 Raw Sample Received by: J.C. Ser Raw Sample Received by: J.C. Ser
 Raw Sample Relinquished by: J.C. Ser Raw Sample Relinquished by: J.C. Ser

WORKLIST(Hardcopy Internal Chain)

132510

WorkList Name : %1-091924 WorkList ID : 183634 Department : Wet-Chemistry Date : 09-19-2024 08:44:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4104-11	WC-14-7.5-10A-EPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-12	WC-14-7.5-10A-EPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-13	WC-14-7.5-10A-EPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-14	WC-14-7.5-10A-EPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-15	WC-14-7.5-10A-EPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-16	WC-14-7.5-10B-EPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-17	WC-14-7.5-10B-EPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-18	WC-14-7.5-10B-EPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-19	WC-14-7.5-10B-EPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-20	WC-14-7.5-10B-EPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-21	WC-22A-EPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-22	WC-22A-EPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-23	WC-22A-EPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-24	WC-22A-EPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-25	WC-22A-EPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-26	WC-23-EPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-27	WC-23-EPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-28	WC-23-EPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-29	WC-23-EPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-30	WC-23-EPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4117-01	MOO-SOIL-PILE	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	08/23/2024	Chemtech -SO

Date/Time 09-19-24 15:30
 Raw Sample Received by: J.C. C...
 Raw Sample Relinquished by: J.C. C...
 Date/Time 09-19-24 17:45
 Raw Sample Received by: J.C. C...
 Raw Sample Relinquished by: J.C. C...

WORKLIST(Hardcopy Internal Chain)

132510

WorkList Name : %1-091924 WorkList ID : 183634 Department : Wet-Chemistry Date : 09-19-2024 08:44:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4119-01	TRANSFORMER-OIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	J12	09/19/2024	Chemtech -SO
P4119-03	OILY-DEBRIS	Solid	Percent Solids	Cool 4 deg C	PSEG03	J12	09/19/2024	Chemtech -SO
P4120-01	T1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4120-03	T2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4120-05	SF-6-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4120-07	SF-6-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4120-09	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4120-11	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4120-13	RB24085	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4121-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4121-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4121-03	ELZ-24-00090	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4122-01	FDH013Y-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4122-02	FDH013Y-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4122-03	FDH013Y-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4122-04	FDH013Y-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4123-01	910-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	J21	09/19/2024	Chemtech -SO
P4123-02	613-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	J21	09/19/2024	Chemtech -SO
P4124-01	2049	Solid	Percent Solids	Cool 4 deg C	PSEG03	J21	09/19/2024	Chemtech -SO
P4124-02	2050	Solid	Percent Solids	Cool 4 deg C	PSEG03	J21	09/19/2024	Chemtech -SO
P4125-01	PL-01-09192024	Solid	Percent Solids	Cool 4 deg C	PSEG05	J21	09/19/2024	Chemtech -SO

Date/Time 09-19-24 15:30
 Raw Sample Received by: SP WCL
 Raw Sample Relinquished by: J.C. sum
 Date/Time 09-19-24 17:45
 Raw Sample Received by: J.C. sum
 Raw Sample Relinquished by: SP WCL

WORKLIST(Hardcopy Internal Chain)

132510

WorkList Name : %1-091924 WorkList ID : 183634 Department : Wet-Chemistry Date : 09-19-2024 08:44:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4125-02	PL-01-09192024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	J21	09/19/2024	Chemtech -SO
P4126-01	NB-08-09192024	Solid	Percent Solids	Cool 4 deg C	PSEG05	J21	09/19/2024	Chemtech -SO
P4126-02	NB-08-09192024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	J21	09/19/2024	Chemtech -SO

Date/Time 09-19-24 15:30
Raw Sample Received by: J.C. (son)
Raw Sample Relinquished by: J.C. (son)

Date/Time 09-19-24 17:25
Raw Sample Received by: J.C. (son)
Raw Sample Relinquished by: J.C. (son)

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Extraction Start Date : 09/19/2024

Matrix : Solid

Extraction Start Time : 11:09

Weigh By: EH

Extraction By: RJ

Extraction End Date : 09/19/2024

Balance check: RJ

Filter By: RJ

Extraction End Time : 16:00

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

Supervisor By : rajesh

Extraction Method: ☐ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP23640
Surrogate	1.0ML	200 PPB	PP23641
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2526
Baked Na2SO4	N/A	EP2536
Sand	N/A	E2865
Hexane	N/A	E3792
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

Extraction Conformance/Non-Conformance Comments:

40 Vial lot# 03-40 BTS721. P4117-01 Extract out of Hold as per client & added in batch at 13.00.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/19/24	RP (Ext. Lab)	Y-P-PB+IPB.
16:05	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 09/17/2024

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB163523BL	ABLK523	PCB	30.02	N/A	ritesh	Evelyn	10			U5-1
PB163523BS	ALCS523	PCB	30.03	N/A	ritesh	Evelyn	10			2
P4099-01	GAS-TRANSMISSION-DEB RIS	PCB	30.06	N/A	ritesh	Evelyn	10			3
P4103-01	WC-22A	PCB	30.02	N/A	ritesh	Evelyn	10	E		4
P4103-04	WC-14-5-7.5A	PCB	30.05	N/A	ritesh	Evelyn	10	E		5
P4103-07	WC-14-5-7.5B	PCB	30.03	N/A	ritesh	Evelyn	10	E		6
P4103-07MS	WC-14-5-7.5BMS	PCB	30.08	N/A	ritesh	Evelyn	10	E		U6-1
P4103-07MS D	WC-14-5-7.5BMSD	PCB	30.06	N/A	ritesh	Evelyn	10	E		2
P4103-10	WC-14-7.5-10A	PCB	30.09	N/A	ritesh	Evelyn	10	E		3
P4103-13	WC-14-7.5-10B	PCB	30.01	N/A	ritesh	Evelyn	10	E		4
P4103-16	WC-23	PCB	30.04	N/A	ritesh	Evelyn	10	E		5
P4117-01	MOO-SOIL-PILE	PCB	30.04	N/A	ritesh	Evelyn	10	E		6

* Extracts relinquished on the same date as received.

8
9/17/24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4103 WorkList ID : 183640 Department : Extraction Date : 09-19-2024 10:59:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4099-01	GAS-TRANSMISSION-DEBRIS	Solid	PCB	Cool 4 deg C	PSEG03	H53	09/18/2024	8082A
P4103-01	WC-22A	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	J11	09/17/2024	8015D
P4103-01	WC-22A	Solid	PCB	Cool 4 deg C	ENTA05	J11	09/17/2024	8082A
P4103-01	WC-22A	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ENTA05	J11	09/17/2024	8270E
P4103-04	WC-14-5-7.5A	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	J11	09/17/2024	8015D
P4103-04	WC-14-5-7.5A	Solid	PCB	Cool 4 deg C	ENTA05	J11	09/17/2024	8082A
P4103-04	WC-14-5-7.5A	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ENTA05	J11	09/17/2024	8270E
P4103-07	WC-14-5-7.5B	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	J11	09/17/2024	8015D
P4103-07	WC-14-5-7.5B	Solid	PCB	Cool 4 deg C	ENTA05	J11	09/17/2024	8082A
P4103-07	WC-14-5-7.5B	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ENTA05	J11	09/17/2024	8270E
P4103-10	WC-14-7.5-10A	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	J11	09/17/2024	8015D
P4103-10	WC-14-7.5-10A	Solid	PCB	Cool 4 deg C	ENTA05	J11	09/17/2024	8082A
P4103-10	WC-14-7.5-10A	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ENTA05	J11	09/17/2024	8270E
P4103-13	WC-14-7.5-10B	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	J11	09/17/2024	8015D
P4103-13	WC-14-7.5-10B	Solid	PCB	Cool 4 deg C	ENTA05	J11	09/17/2024	8082A
P4103-13	WC-14-7.5-10B	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ENTA05	J11	09/17/2024	8270E
P4103-16	WC-23	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	J11	09/17/2024	8015D
P4103-16	WC-23	Solid	PCB	Cool 4 deg C	ENTA05	J11	09/17/2024	8082A
P4103-16	WC-23	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ENTA05	J11	09/17/2024	8270E

Date/Time 09/19/24 11:40
 Raw Sample Received by: R. J. (Eggs)
 Raw Sample Relinquished by: R. J. (Eggs)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p4117 WorkList ID : 183652 Department : Extraction Date : 09-19-2024 13:00:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4117-01	MOO-SOIL-PILE	Solid	PCB	Cool 4 deg C	PSEG03	J13	08/23/2024	8082A

Date/Time 09/19/26 13:00
 Raw Sample Received by: RJ (Est 104)
 Raw Sample Relinquished by: JD (SM)

Date/Time 09/19/26 13:10
 Raw Sample Received by: JD (SM)
 Raw Sample Relinquished by: RJ (Est 104)

Prep Standard - Chemical Standard Summary

Order ID : P4103

Test : PCB

Prepbatch ID : PB163523,

Sequence ID/Qc Batch ID: PO091924,

Standard ID :

EP2524,EP2526,EP2536,PP23215,PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255,PP23257,PP23258,PP23259,PP23262,PP23263,PP23264,PP23265,PP23266,PP23267,PP23268,PP23269,PP23270,PP23271,PP23272,PP23273,PP23578,PP23579,PP23640,PP23641,

Chemical ID :

E2865,E3551,E3732,E3735,E3770,E3788,E3789,E3792,M5037,P10482,P10499,P11506,P11511,P11520,P11580,P11586,P11589,P11596,P12209,P12697,P12810,P12928,P12933,P12946,P12956,P13032,P13348,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	EP2526	08/14/2024	02/13/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 08/14/2024

FROM 4000.00000ml of E3788 + 4000.00000ml of E3789 = 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	EP2536	09/10/2024	01/03/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Rajesh Parikh 09/10/2024
<u>FROM</u> 1.00000gram 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>
84	Pest/PCB Surrogate Stock 20 PPM	PP23215	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel 04/22/2024
<u>FROM</u> 1.00000ml of P12810 + 9.00000ml of E3735 = 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>
202	AR1660 1000/100 ppb working solution 1st source	PP23216	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.10000ml of P10482 + 99.40000ml of E3735 + 0.50000ml of PP23215 = 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>
203	AR1660 750 PPB STD	PP23217	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.25000ml of E3735 + 0.75000ml of PP23216 = 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>
204	AR1660 500 PPB STD	PP23218	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23216 = 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>
205	AR1660 250 PPB STD	PP23219	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.75000ml of E3735 + 0.25000ml of PP23216 = 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>
206	AR1660 50 PPB STD	PP23220	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.90000ml of E3735 + 0.10000ml of PP23218 = 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>
213	AR1221 1000 PPB WORKING SOLUTION	PP23221	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.10000ml of P11580 + 99.40000ml of E3735 + 0.50000ml of PP23215 = 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>
1079	AR1221 750 PPB STD	PP23222	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.25000ml of E3735 + 0.75000ml of PP23221 = 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>
222	AR1221 500 PPB STD	PP23223	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23221 = 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>
1080	AR1221 250 PPB STD	PP23224	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.75000ml of E3735 + 0.25000ml of PP23221 = 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>
1081	AR1221 50 PPB STD	PP23225	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.90000ml of E3735 + 0.10000ml of PP23223 = 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>
214	AR1232 1000 PPB WORKING SOLUTION	PP23226	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.10000ml of P11586 + 99.40000ml of E3735 + 0.50000ml of PP23215 = 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>
1063	AR1232 750 PPB STD	PP23227	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.25000ml of E3735 + 0.75000ml of PP23226 = 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>
223	AR1232 500 PPB STD	PP23228	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23226 = 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>
1064	AR1232 250 PPB STD	PP23229	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.75000ml of E3735 + 0.25000ml of PP23226 = 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>
1065	AR1232 50 PPB STD	PP23230	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.90000ml of E3735 + 0.10000ml of PP23228 = 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>
215	AR1242 1000 PPB WORKING STD	PP23231	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.10000ml of P12928 + 99.40000ml of E3735 + 0.50000ml of PP23215 = 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>
1067	AR1242 750 PPB STD	PP23232	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.25000ml of E3735 + 0.75000ml of PP23231 = 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>
224	AR1242 500 PPB STD	PP23233	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23231 = 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>
1068	AR1242 250 PPB STD	PP23234	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.75000ml of E3735 + 0.25000ml of PP23231 = 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>
1069	AR1242 50 PPB STD	PP23235	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.90000ml of E3735 + 0.10000ml of PP23233 = 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>
216	AR1248 1000 PPB WORKING STD	PP23236	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.10000ml of P12933 + 99.40000ml of E3735 + 0.50000ml of PP23215 = 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>
1075	AR1248 750 PPB STD	PP23237	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.25000ml of E3735 + 0.75000ml of PP23236 = 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>
225	AR1248 500 PPB STD	PP23238	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23236 = 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>
1076	AR1248 250 PPB STD	PP23239	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.75000ml of E3735 + 0.25000ml of PP23236 = 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>
1077	AR1248 50 PPB STD	PP23240	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.90000ml of E3735 + 0.10000ml of PP23238 = 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>
217	AR1254 1000 PPB WORKING STD	PP23241	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.10000ml of P11589 + 99.40000ml of E3735 + 0.50000ml of PP23215 = 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>
1071	AR1254 750 PPB STD	PP23242	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.25000ml of E3735 + 0.75000ml of PP23241 = 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>
226	AR1254 500 PPB STD	PP23243	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23241 = 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>
1072	AR1254 250 PPB STD	PP23244	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.75000ml of E3735 + 0.25000ml of PP23241 = 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>
1073	AR1254 50 PPB STD	PP23245	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.90000ml of E3735 + 0.10000ml of PP23243 = 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>
1529	AR1262 1000 PPB Working Solution	PP23246	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.10000ml of P10499 + 99.40000ml of E3735 + 0.50000ml of PP23215 = 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>
3753	AR1262 750 PPB STD	PP23247	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.25000ml of E3735 + 0.75000ml of PP23246 = 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>
1530	AR1262 500 PPB STD	PP23248	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
04/22/2024								

FROM 0.50000ml of E3735 + 0.50000ml of PP23246 = 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>
3754	AR1262 250 PPB STD	PP23249	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
04/22/2024								

FROM 0.75000ml of E3735 + 0.25000ml of PP23246 = 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>
3755	AR1262 50 PPB STD	PP23250	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.90000ml of E3735 + 0.10000ml of PP23248 = 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>
1532	AR1268 1000 PPB Working Solution	PP23251	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.10000ml of P11596 + 99.40000ml of E3735 + 0.50000ml of PP23215 = 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>
3820	AR1268 750 PPB STD	PP23252	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.25000ml of E3735 + 0.75000ml of PP23251 = 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>
1533	AR1268 500 PPB STD	PP23253	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23251 = 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>
3821	AR1268 250 PPB STD	PP23254	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.75000ml of E3735 + 0.25000ml of PP23251 = 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>
3822	AR1268 50 PPB STD	PP23255	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.90000ml of E3735 + 0.10000ml of PP23253 = 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>
404	AR1660 100 PPM Stock Solution 2nd Source	PP23257	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 1.00000ml of P12209 + 9.00000ml of E3732 = 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>
405	AR1660 1000/100 PPB ICV STD	PP23258	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 98.50000ml of E3735 + 0.50000ml of PP23215 + 1.00000ml of PP23257 = 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>
406	AR1660 500 PPB ICV	PP23259	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23258 = 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>
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP23262	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 1.00000ml of P12697 + 98.50000ml of E3735 + 0.50000ml of PP23215 = 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	PP23263	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23262 = 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>
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP23264	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 1.00000ml of P11506 + 98.50000ml of E3735 + 0.50000ml of PP23215 = 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>
1891	AR1242 500 PPB ICV	PP23265	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23264 = 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>
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP23266	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 1.00000ml of P11511 + 98.50000ml of E3735 + 0.50000ml of PP23215 = 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>
1892	AR1248 500 PPB ICV	PP23267	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23266 = 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>
1893	AR1254 1000 PPB Working Sol. 2nd Source	PP23268	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 1.00000ml of P12956 + 98.00000ml of E3735 + 0.50000ml of PP23215 = 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>
1894	AR1254 500 PPB ICV	PP23269	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23268 = 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>
3757	AR1262 1000 PPB Working Solution second source	PP23270	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.10000ml of P13032 + 99.40000ml of E3735 + 0.50000ml of PP23215 = 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>
3758	AR1262 500 PPB STD ICV	PP23271	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23270 = 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>
3817	AR1268 1000 ppb Working Soln. 2nd source	PP23272	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 1.00000ml of P11520 + 98.50000ml of E3735 + 0.50000ml of PP23215 = 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>
3823	AR1268 500 PPB STD ICV	PP23273	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23272 = 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>
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP23578	08/05/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								08/06/2024

FROM 1.00000ml of P13372 + 98.50000ml of E3770 + 0.50000ml of PP23215 = 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>
3790	AR1221 500 PPB ICV(AGILENT)	PP23579	08/05/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								08/06/2024

FROM 0.50000ml of E3770 + 0.50000ml of PP23578 = 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>
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



<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	PP23641	09/09/2024	02/13/2025	Abdul Mirza	None	None	Ankita Jodhani 09/10/2024
<u>FROM</u> 1.00000ml of P13348 + 999.00000ml of E3788 = 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	10/22/2024	04/22/2024 / Rajesh	04/12/2024 / Rajesh	E3732

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	10/22/2024	04/22/2024 / Rajesh	04/19/2024 / Rajesh	E3735

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	01/12/2025	07/12/2024 / Rajesh	07/02/2024 / Rajesh	E3770

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	02/13/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3788

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	02/13/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3789

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	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 #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0163157	10/22/2024	04/22/2024 / Ankita	03/19/2021 / Abdul	P10482

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	10/22/2024	04/22/2024 / Ankita	03/19/2021 / Ankita	P10499

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	10/22/2024	04/22/2024 / Ankita	02/21/2022 / Ankita	P11506

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006626997	10/22/2024	04/22/2024 / Ankita	02/21/2022 / Ankita	P11511

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	10/22/2024	04/22/2024 / Ankita	02/21/2022 / Ankita	P11520

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	10/22/2024	04/22/2024 / Ankita	03/18/2022 / Abdul	P11580

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	10/22/2024	04/22/2024 / Ankita	03/18/2022 / Abdul	P11586

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	10/22/2024	04/22/2024 / Ankita	03/18/2022 / Abdul	P11589

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	10/22/2024	04/22/2024 / Ankita	03/18/2022 / Abdul	P11596

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	033121	10/22/2024	04/22/2024 / Ankita	11/16/2022 / Ankita	P12209

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	10/22/2024	04/22/2024 / Ankita	08/07/2023 / Ankita	P12697

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	A0200112	10/22/2024	04/22/2024 / Ankita	09/25/2023 / Abdul	P12810

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	10/22/2024	04/22/2024 / Ankita	12/07/2023 / Ankita	P12928

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	10/22/2024	04/22/2024 / Ankita	12/07/2023 / Ankita	P12933

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.	/ Arochlor 1254	121823	10/22/2024	04/22/2024 / Ankita	12/20/2023 / Yogesh	P12956

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc	90165 / Aroclor 1262	112322	10/22/2024	04/22/2024 / Ankita	12/20/2023 / Yogesh	P13032

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	03/09/2025	09/09/2024 / Abdul	04/22/2024 / Abdul	P13348

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	02/05/2025	08/05/2024 / Ankita	05/02/2024 / Ankita	P13372

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112



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.:** A0200112

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL; Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P 12806
P 12815 / 10
✓
9/25/2023

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%	201.3 µg/mL	+/- 11.1676
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.5 µg/mL	+/- 11.1787

* 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:

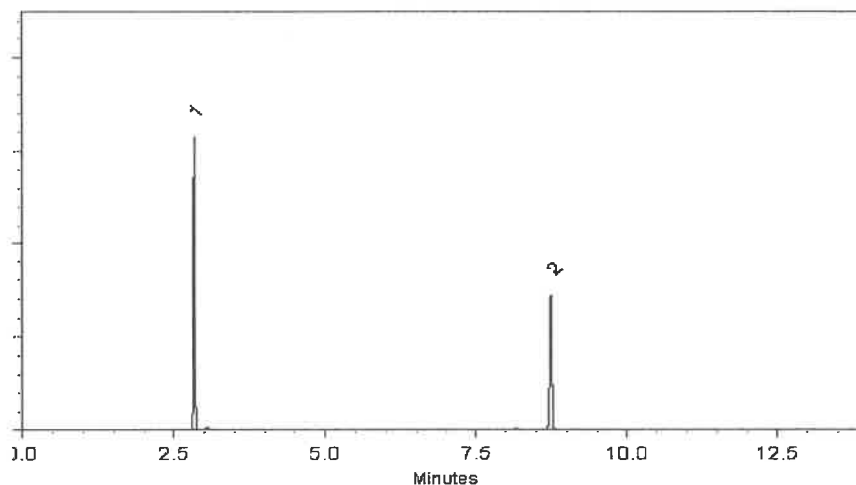
ECD

Split Vent:

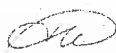
10 ml/min.

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.


Jess Hoy - Operations Tech I

Date Mixed: 20-Jul-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jul-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P12806 } (10)
↓
P12815
1
W. Stuef
9/25/2023

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

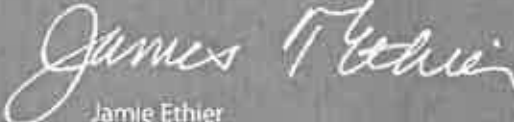
Certificate of Analysis

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

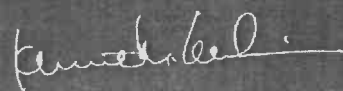
Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	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 4/12/24

E 3732



Ken Koehnlein
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



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 4/19/24

E3735

Jamie Croak
Director Quality Operations, Bioscience Production

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 7/21/24

E 3769

Ken Koehnlein
Sr. Manager, Quality Assurance

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

Material No.: 926
Batch No.: 24C186
Manufactured Date: 2024-0
Expiration Date: 2025-0
Revision N

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 8/13/24

E 3789



Jamie Croak
Director Quality Operations, Bioscience Products

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

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

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

MS037-38-39-40
no

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

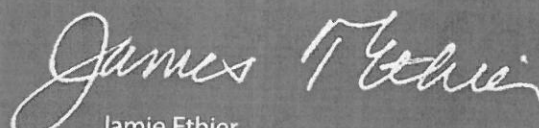
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

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



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:

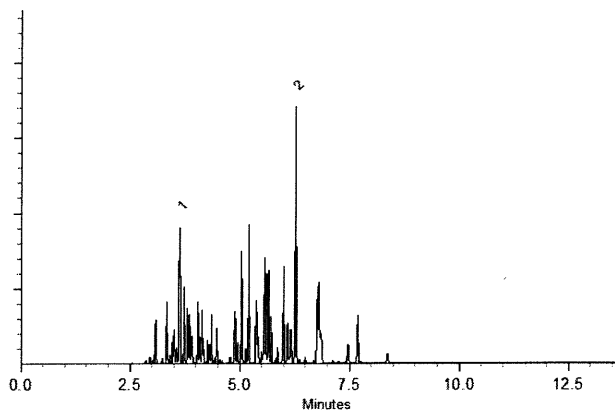
250°C

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:

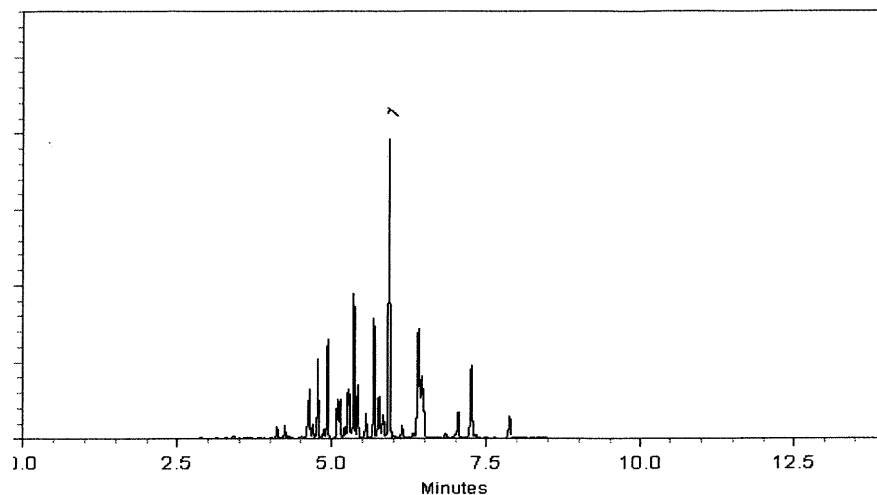
250°C

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

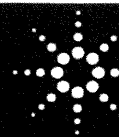
Balance: B707717271

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

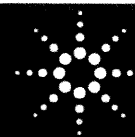
www.agilent.com/quality/

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

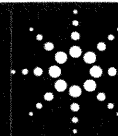
↓

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



Certificate of Analysis

P11518
↓
P11522
AJ
02/21/22

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1

Lot Issue Date: 09-Feb-2021

Lot Number: 0006587800

Expiration Date: 31-Mar-2029

Description:

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1268	011100-14-4	RM00937	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

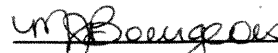
Expiration of Certification:

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 1

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)

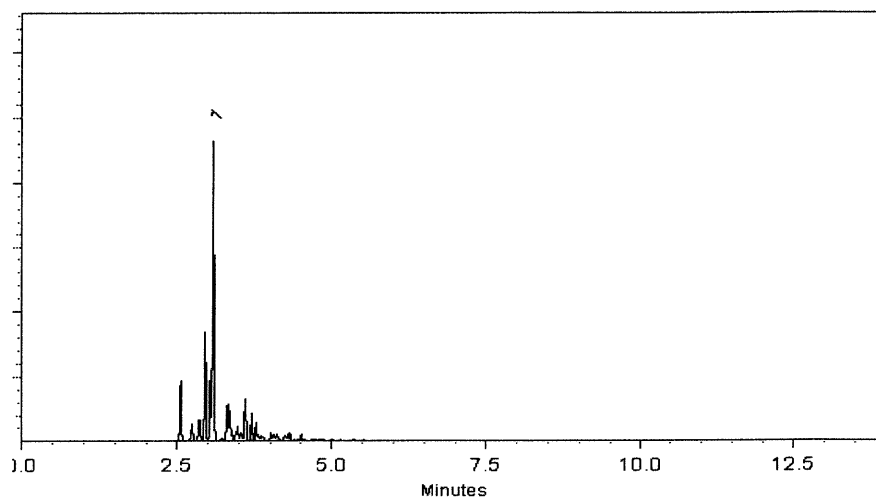
Carrier Gas:
helium-constant pressure 20 psi.

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)

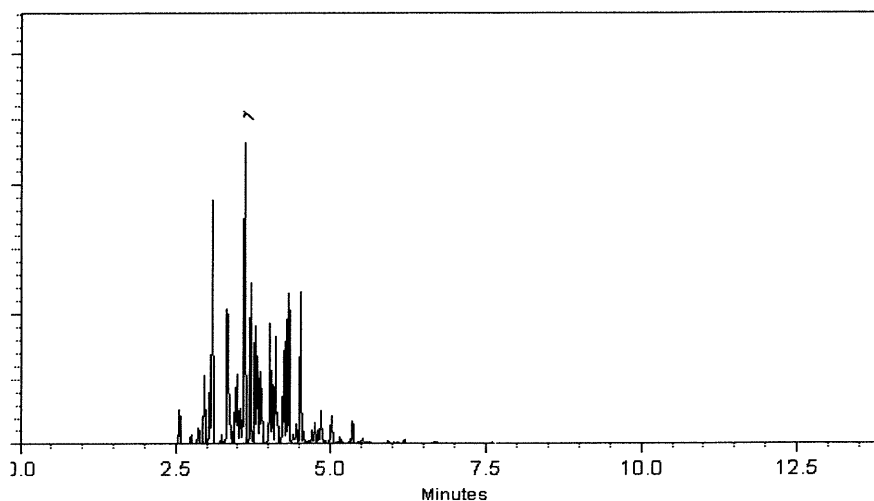
Carrier Gas:
helium-constant pressure 20 psi.

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:

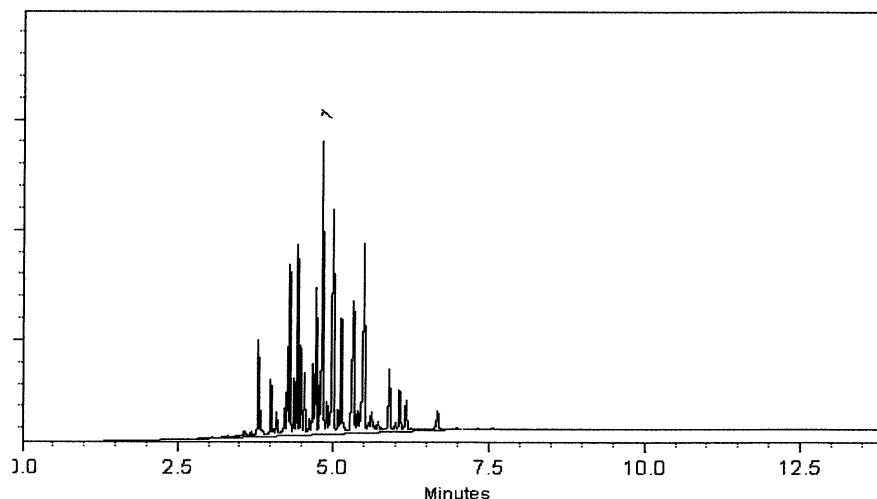
250°C

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 CAS # 11100-14-4 Purity ----%	1,001.4 µg/mL (Lot 10947000)	+/- 5.9480 µg/mL Gravimetric +/- 31.7516 µg/mL Unstressed +/- 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:

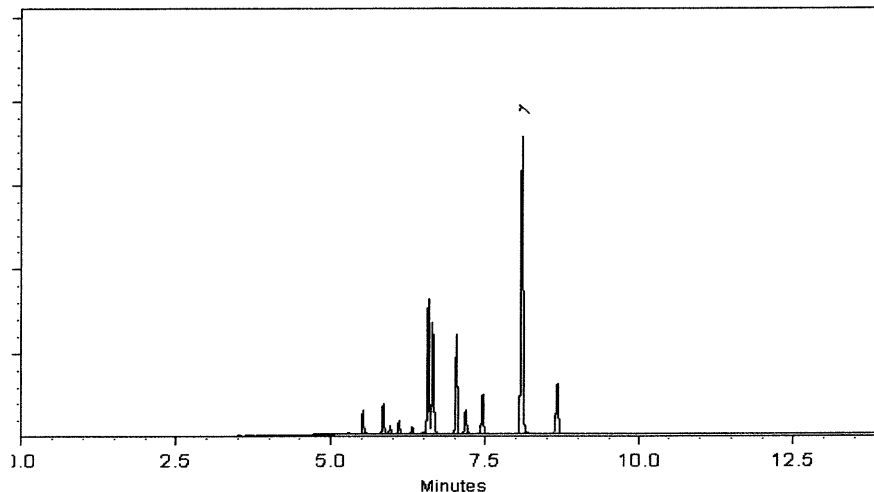
250°C

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 Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number: 20064
Lot Number: 033121
Description: CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260
033131
Ambient (20 °C)
1000
6UTB
NIST Test ID#:
Recommended Storage:
Nominal Concentration (µg/mL):
Weight(s) shown below were combined and diluted to (mL):

Solvent(s): Hexane
Lot# 233256

Formulated By: <i>Prashant Chauhan</i>	033121
DATE	
Reviewed By: <i>Pedro L. Renteria</i>	033121
DATE	

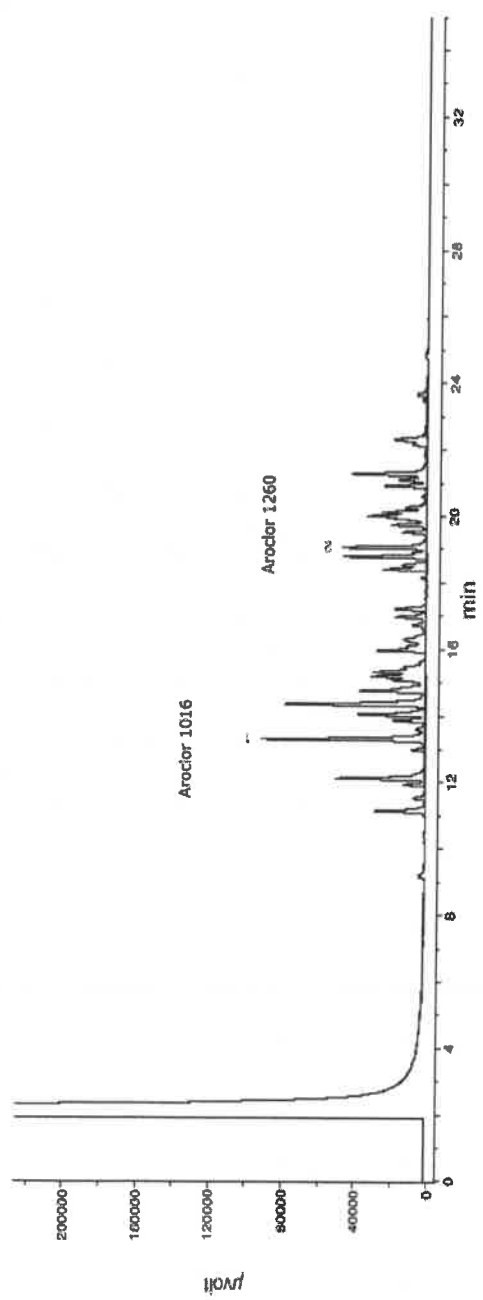
5E-05 Balance Uncertainty

0.058 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty		SDS Information (Solvent Safety Info. On Attached pg.) LD50
									(+/-) (µg/mL)	CAS#	
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20007	0.20025	1000.9	4.1	4.1	12674-11-2 N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20007	0.20035	1001.4	4.1	4.1	11096-82-5 0.5mg/m3 or-rat 1315mg/kg

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are 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 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 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 = Etdaq Channel 1
Standard injection = 1.5µL, Range=3



P12201
AS
11/16/22
J
P12210



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 ($\mu\text{g/mL}$): **100**
 NIST Test ID#: **6UTB**

Solvent(
Aceton

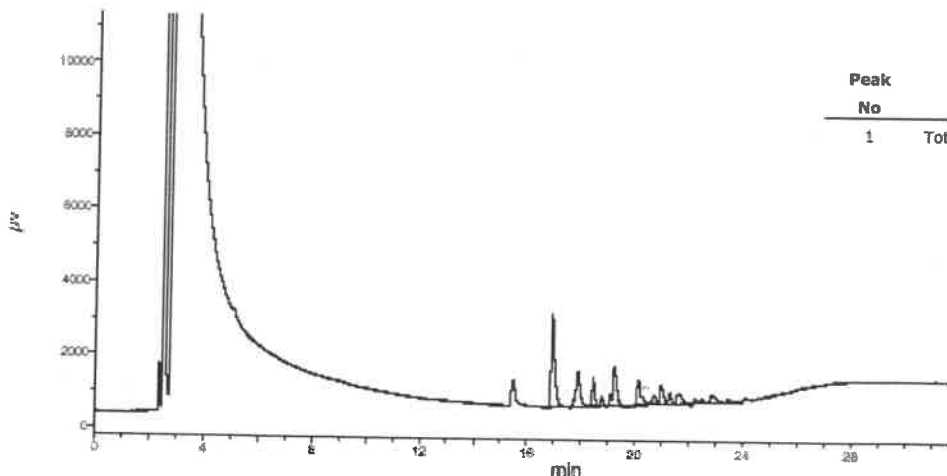
Weight(s) shown below were combined and diluted to (mL): **100.0**
 5E-05 Balance Uncertainty
 0.057 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc ($\mu\text{g/mL}$)	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 5 μm 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 = 1.5 μL , Range=3





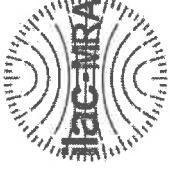
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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:

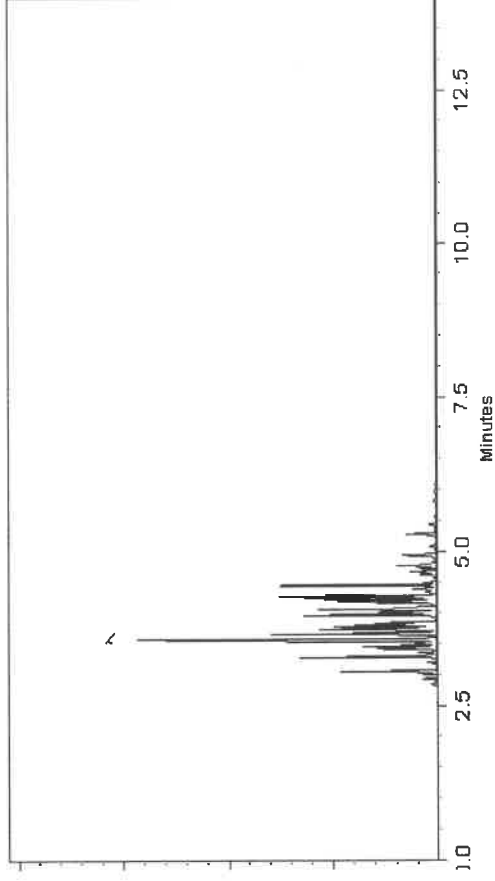
ECD

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



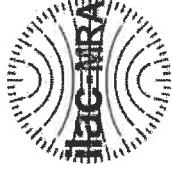
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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

P1210967
P1210977
AF
12109723

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:

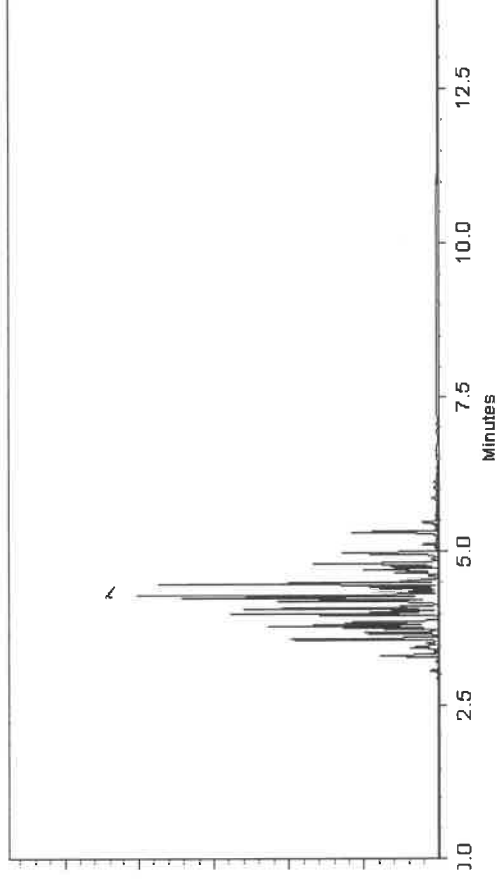
ECD

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.

[Signature]
Laith Clemente - Operations Technician I

Date Mixed: 03-Oct-2023

Balance Serial # 1128360905

[Signature]
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:
20064

Solvent(s):
Hexane

Lot#
273615

Lot Number:
022023

Formulated By:
Benson Chan

DATE
022023

Description:
CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260

Reviewed By:
Pedro L. Rentas

DATE
022023

Expiration Date:
Ambient (20 °C)

Expanded
Uncertainty

SDS Information
(Solvent Safety Info. On Attached pg.)

Recommended Storage:
Nominal Concentration (µg/mL):
200.0

5E-05 Balance Uncertainty
0.010 Flask Uncertainty

OSHA PEL (TWA)
LD50

NIST Test ID#:
6UTB

Weight(s) shown below were combined and diluted to (mL):

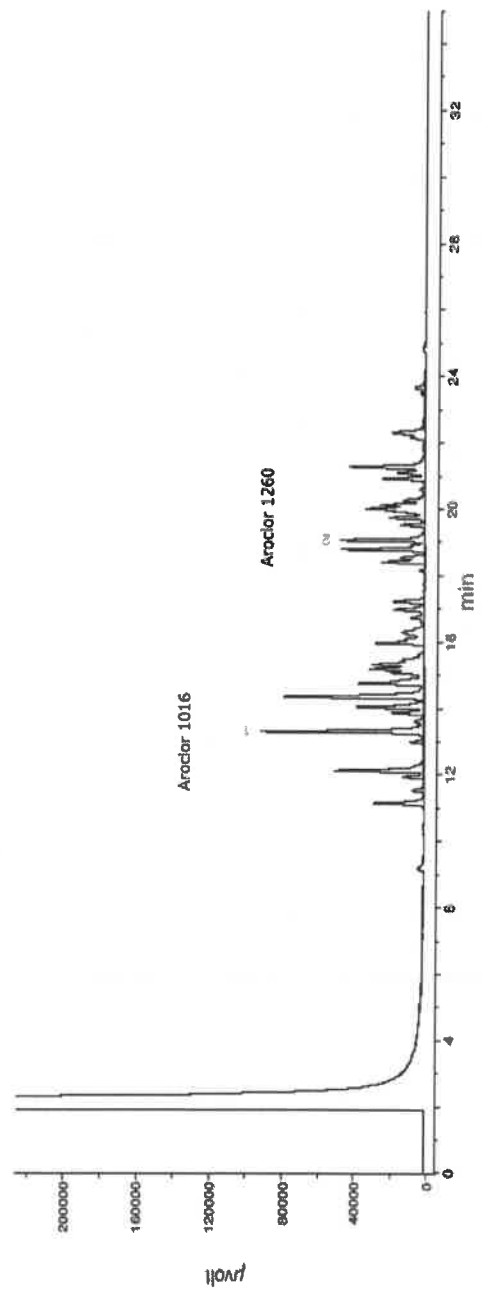
200.0

PR2946 718
↓
12/20/23
P12955

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: 99139
Lot Number: 121823
Description: Aroclor 1254

Expiration Date: 121833
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 100
NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 20.0
Note: Aroclor 1254 is a mix of isomers.

Solvent(s): Iso-octane
Lot#: 82227

Formulated By: Anthony Mahoney	121823	DATE
Reviewed By: Pedro L. Rentas	121823	DATE

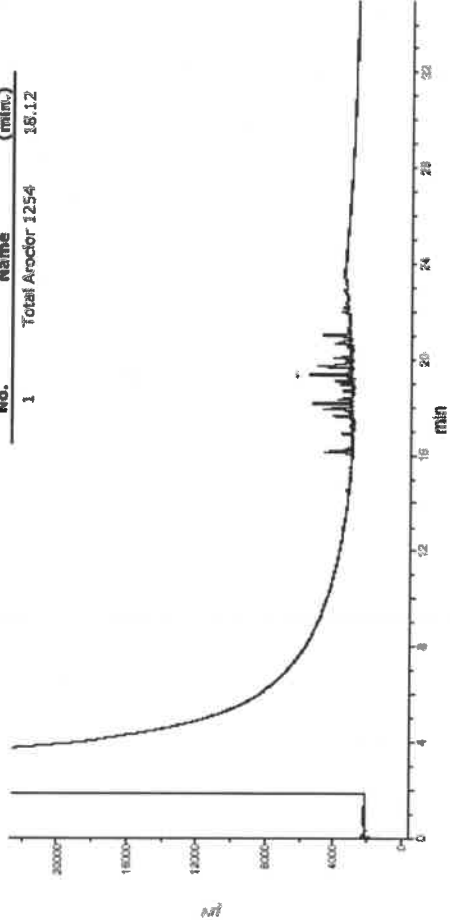
P12956 / Y.P.
12/18/23
P12957

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Initial Uncertainty	Pipette (mL)	Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information		
											(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA) LD50
1. Aroclor 1254	79100	121823	0.10	2.00	0.017	0.017	1003.3	100.1	1.8	11097-69-1	0.5mg/m3 (skin)		or-rat 1295mg/kg

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are 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 Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150 °C (Time 1 = 4 min), Temp 2 = 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

Peak No.	Name	FID RT (min.)
1	Total Aroclor 1254	18.12





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

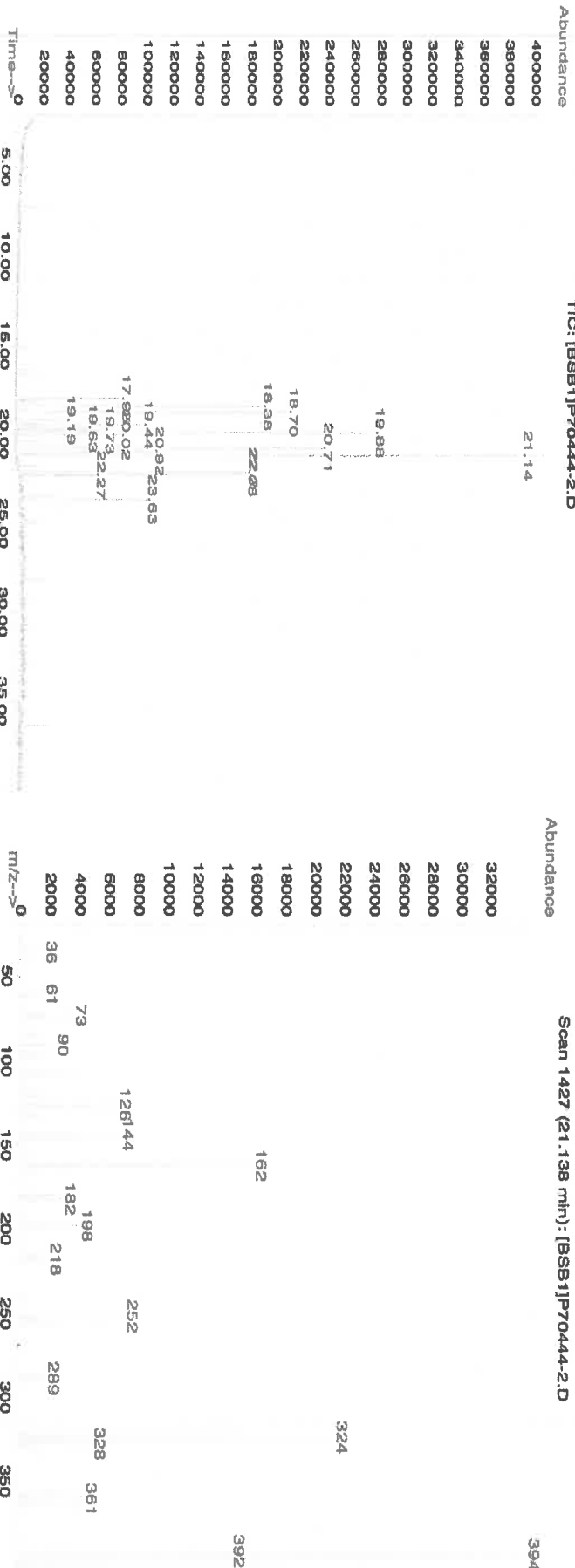
Formulated By:	Prashant Chauhan	112322	DATE
Reviewed By:	Pedro L. Rentes	112322	DATE

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



- 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 Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

15032 4.8
2
121213
394 P13033

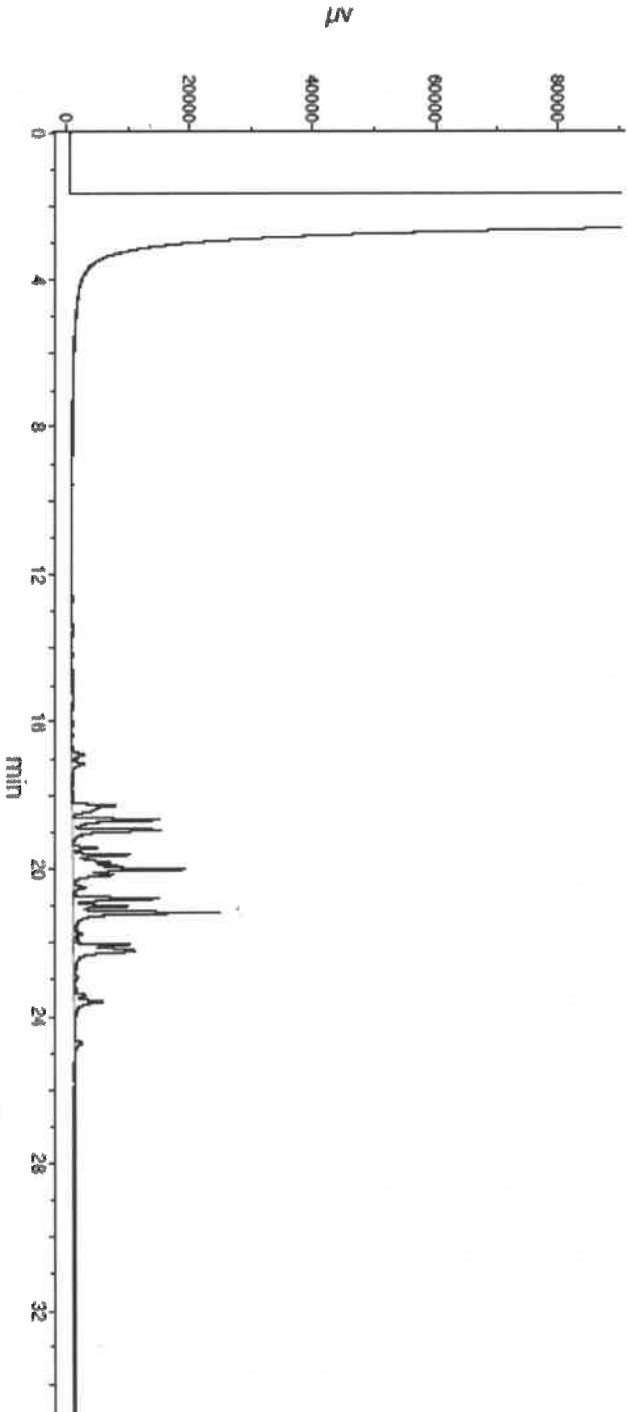


Run 20, "P90165 L112322 [1000µg/mL in hexane]"

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
DAUF
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:

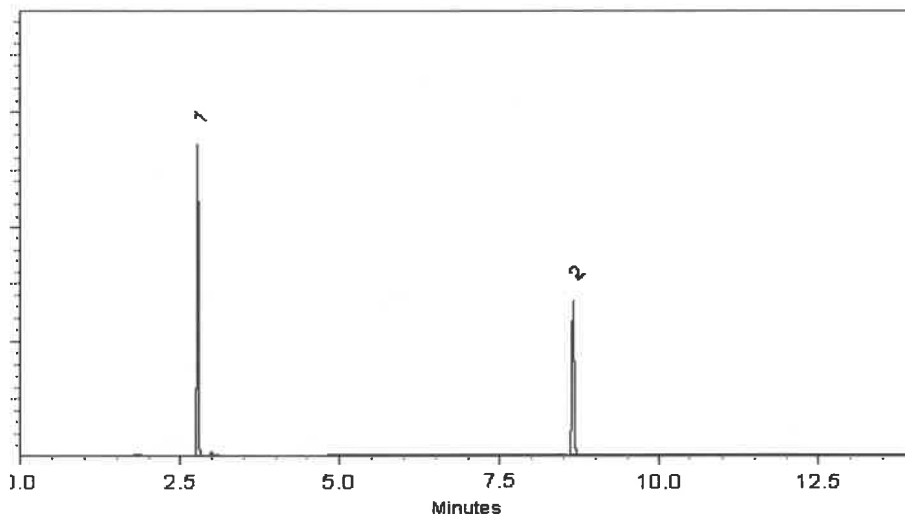
ECD

Split Vent:

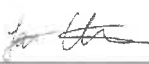
10 ml/min.

Inj. Vol

1µl

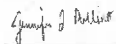


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

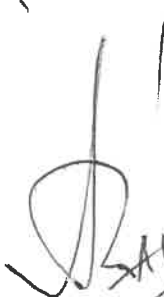
Balance Serial # 1128360905


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

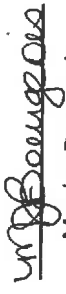
250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality



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



CHAIN OF CUSTODY RECORD

NO. 1 OF 5

COMPANY INFORMATION			PROJECT INFORMATION				REQUESTED ANALYSIS/METHOD											COMMENTS
LOCATION	ENTACT LLC		PROJECT	North Point			NUMBER OF CONTAINERS	TCL + 20 SVOCs (8270)	TAL Metals + Boron & Tin (6010/7471)	Full TCLP + TCLP Cu, Ni & Zn (1311/8270/8081/8151/6010/7471)	RCRA Characteristics - I/C/R (1030/9045/D/Ch 7 rev3)	PCBs (8082); Hex Chromium (7196)	Ammonia-Nitrogen (ASTM/SM4500H); COD (ASTM/5220D); Oil & Grease (ASTM/1664);	Total Solids (ASTM/SM2540G); Total Volatile Solids (160.4)	TCL+10 VOCs (8260); TCLP VOCs (1311/8260); TPH DRO & GRO (8015)	Tox (9020 or 9023)		
ATTN	Wyatt Seel		BILL TO	ENTACT LLC													PHONE	630-986-2900
ADDRESS	150 Bay Street, Suite 801		ADDRESS	999 Oakmont Plaza Drive Suite 300			PHONE	630-986-2900			FAX	E9306						
Jersey City, NJ			Westmont, IL 60559															
PHONE	419-266-4671																	
FAX																		
SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	SAMPLE TYPE	CONTAINER TYPE												
WC-22A	Waste characterization	9/17	11:40	Soil	C	8/4oz Jar	9	X	X	X	X	X	X	X	X	X	See Full List Attached	
WC-14_5_7.5A	Waste characterization	9/17	11:50	Soil	C	8/4oz Jar	9	X	X	X	X	X	X	X	X	X	See Full List Attached	
WC-14_5_7.5B	Waste characterization	9/17	13:30	Soil	C	8/4oz Jar	9	X	X	X	X	X	X	X	X	X	See Full List Attached	
WC-14_7.5_10A	Waste characterization	9/17	12:35	Soil	C	8/4oz Jar	9	X	X	X	X	X	X	X	X	X	See Full List Attached	
WC-14_7.5_10B	Waste characterization	9/17	14:20	Soil	C	8/4oz Jar	9	X	X	X	X	X	X	X	X	X	See Full List Attached	
WC-23	Waste characterization	9/17	14:45	Soil	C	8/4oz Jar	9	X	X	X	X	X	X	X	X	X	See Full List Attached	
SAMPLER		W. Seel		SHIPMENT		courier		AIRBILL										
REQUIRED TURNAROUND		☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER: _____																
1. RELINQUISHED BY		DATE		2. RELINQUISHED BY		DATE		3. RELINQUISHED BY		DATE								
SIGNATURE: <i>Wyatt Seel</i>		9-18-24		SIGNATURE:				SIGNATURE:										
PRINTED NAME/COMPANY: Wyatt Seel		14:10		PRINTED NAME/COMPANY:				PRINTED NAME/COMPANY:										
1. RECEIVED BY		DATE		2. RECEIVED BY		DATE		3. RECEIVED BY		DATE								
SIGNATURE: <i>Wyatt Seel</i>		9-18-24		SIGNATURE:				SIGNATURE:										
PRINTED NAME/COMPANY: Wyatt Seel		14:10		PRINTED NAME/COMPANY:				PRINTED NAME/COMPANY:										

Parameter	Test Method
TCL + 10 VOCs	8270D
TCL + 20 SVOCs	8260B
TAL Metals (+Boron, Tin)	6010/7471
Hexavalent Chromium (Cr+6)	7196
Total Cyanide	9014
TCLP VOCs	1311/8260B
TCLP SVOCs	1311/8270D
TCLP Metals (+ Beryllium, Copper, Nickel, Zinc)	1311/6010/7471
TCLP Pesticides/Herbicides	1311/8080/8151
RCRA Characteristics (Ignitability, Corrosivity, Reactive Sulfide/Cyanide)	SW 846 1030 SW 846/9045D SW 846 7.3.3.2 Rev. 3
PCBs	8082A
TPH/DRO & GRO	8015D
TOX	9020 or 9023
Paint Filter	9095



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 : P4103 ENTA05

Client Name : ENTACT

Client Contact : Chris Lawrence

Invoice Name : ENTACT

Invoice Contact : Chris Lawrence

Order Date : 9/18/2024 3:16:00 PM

North Point

Project Name : CMC-CTV2 #E9322

Receive Date/Time : 9/18/2024 2:10:00 PM

Purchase Order :

Project Mgr :

Report Type : Level 1

EDD Type : Excel NJ

Hard Copy Date :

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4103-01	WC-22A	Solid	09/17/2024	11:40					
					VOC-TCLVOA-10		8260D	5 Bus. Days	
P4103-07	WC-14-5-7.5B	Solid	09/17/2024	13:30					
					VOC-TCLVOA-10		8260D	5 Bus. Days	
P4103-10	WC-14-7.5-10A	Solid	09/17/2024	12:35					
					VOC-TCLVOA-10		8260D	5 Bus. Days	
P4103-13	WC-14-7.5-10B	Solid	09/17/2024	14:20					
					VOC-TCLVOA-10		8260D	5 Bus. Days	
P4103-16	WC-23	Solid	09/17/2024	14:45					
p4103-04	WC-14-5-7.5A	solid	09/17/2024	11:50am					
					VOC-TCLVOA-10		8260D	5 Bus. Days	
					VOC-TCLVOA-10		8260D	5 Bus. Days	

Relinquished By : ch

Date / Time : 9-18-24 16:25

Received By : JC

Date / Time : 9/18/24 16:25

Storage Area : VOA Refridgerator Room