

Cover Page

Order ID : P4397

Project ID : Amtrak Sawtooth Bridges 2024

Client : Portal Partners Tri-Venture

Lab Sample Number

P4397-01
P4397-02
P4397-04
P4397-05
P4397-06

Client Sample Number

WB-301-TOP
WB-301-BOT
WB-301-SW
TB-10102024
WB-301-BOT

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

Signature : _____

Date: 10/19/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Portal Partners Tri-Venture

Project Name: Amtrak Sawtooth Bridges 2024

Project # N/A

Chemtech Project # P4397

Test Name: PCB

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 10/11/2024.

2 Water samples were received on 10/11/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TPH GC, Trivalent Chromium, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for PCB.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .



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E. Additional Comments:

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

F. Manual Integration Comments:

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

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

Signature_____

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 #: P4397

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRIYANKA DAVE

Date: 10/19/2024

LAB CHRONICLE

OrderID:	P4397	OrderDate:	10/11/2024 3:19:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	Location:	K32,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4397-01	WB-301-TOP	SOIL			10/10/24			10/11/24
			PCB	8082A		10/14/24	10/14/24	
			EPH	NJEPH		10/14/24	10/14/24	
			EPH	NJEPH		10/14/24	10/15/24	
P4397-02	WB-301-BOT	SOIL			10/10/24			10/11/24
			PCB	8082A		10/14/24	10/14/24	
			EPH	NJEPH		10/14/24	10/14/24	
			EPH	NJEPH		10/14/24	10/15/24	
P4397-04	WB-301-SW	WATER			10/10/24			10/11/24
			PCB	8082A		10/14/24	10/14/24	



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Hit Summary Sheet
SW-846

SDG No.: P4397

Order ID: P4397

Client: Portal Partners Tri-Venture

Project ID: Amtrak Sawtooth Bridges 2024

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

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: **P4397**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP067586.D	PIBLK-PP067586.D	Tetrachloro-m-xylene	1	20	21.1	105		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.6	118		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.1	110		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	23.5	117		70 (60)	130 (140)
I.BLK-PP067778.D	PIBLK-PP067778.D	Tetrachloro-m-xylene	1	20	19.6	98		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.1	105		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	18.8	94		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.5	103		70 (60)	130 (140)
PB164124BL	PB164124BL	Tetrachloro-m-xylene	1	20	19.0	95		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	22.3	111		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.6	93		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	19.4	97		30 (32)	150 (175)
PB164124BS	PB164124BS	Tetrachloro-m-xylene	1	20	19.9	100		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	21.4	107		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.4	92		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.5	103		30 (32)	150 (175)
I.BLK-PP067792.D	PIBLK-PP067792.D	Tetrachloro-m-xylene	1	20	19.6	98		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	20.9	104		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.1	96		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.0	100		70 (60)	130 (140)
P4397-01	WB-301-TOP	Tetrachloro-m-xylene	1	20	15.8	79		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	14.7	74		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	15.7	78		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	13.8	69		30 (32)	150 (175)
P4397-02	WB-301-BOT	Tetrachloro-m-xylene	1	20	20.5	102		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	17.1	86		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.3	101		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	16.0	80		30 (32)	150 (175)
P4397-02MS	WB-301-BOTMS	Tetrachloro-m-xylene	1	20	24.3	121		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.1	100		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.9	104		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.3	91		30 (32)	150 (175)
P4397-02MSD	WB-301-BOTMSD	Tetrachloro-m-xylene	1	20	23.8	119		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.4	97		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.7	104		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.6	93		30 (32)	150 (175)
P4397-04	WB-301-SW	Tetrachloro-m-xylene	1	20	21.1	105		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	19.5	97		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	20.1	100		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	18.2	91		30 (10)	150 (173)
I.BLK-PP067817.D	PIBLK-PP067817.D	Tetrachloro-m-xylene	1	20	20.5	103		70 (60)	130 (140)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: **P4397**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP067817.D	PIBLK-PP067817.D	Decachlorobiphenyl	1	20	21.9	110		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.1	101		70 (60)	130 (140)
I.BLK-PP067829.D	PIBLK-PP067829.D	Decachlorobiphenyl	2	20	21.2	106		70 (60)	130 (140)
		Tetrachloro-m-xylene	1	20	20.8	104		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	22.6	113		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.0	100		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.5	107		70 (60)	130 (140)
PB164139BL	PB164139BL	Tetrachloro-m-xylene	1	20	21.4	107		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	22.3	112		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	20.5	102		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	21.6	108		30 (10)	150 (173)
I.BLK-PP067844.D	PIBLK-PP067844.D	Tetrachloro-m-xylene	1	20	21.4	107		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	22.9	115		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.3	101		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.5	108		70 (60)	130 (140)
PB164139BS	PB164139BS	Tetrachloro-m-xylene	1	20	21.9	110		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	23.5	117		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	20.7	104		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	22.4	112		30 (10)	150 (173)
PB164139BSD	PB164139BSD	Tetrachloro-m-xylene	1	20	20.4	102		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	21.9	110		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	18.5	92		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	21.0	105		30 (10)	150 (173)
I.BLK-PP067866.D	PIBLK-PP067866.D	Tetrachloro-m-xylene	1	20	21.1	106		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	22.2	111		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.1	100		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.8	104		70 (60)	130 (140)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4397

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

DataFile : PP067810.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	WB-301-BOTMS											
P4397-02MS	AR1016	219	0	247	ug/kg	113				40 (55)	140 (146)	
	AR1260	219	0	210	ug/kg	96				40 (45)	140 (144)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4397

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

DataFile : PP067811.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	WB-301-BOTMSD											
P4397-02MSD	AR1016	218.9	0	246	ug/kg	112		1		40 (55)	140 (146)	30 (20)
	AR1260	218.9	0	211	ug/kg	96		0		40 (45)	140 (144)	30 (20)



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4397

Client: Portal Partners Tri-Venture

Analytical Method: 8082A Datafile : PP067788.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164124BS	AR1016	166.5	153	ug/kg	92				40 (71)	140 (120)	
	AR1260	166.5	143	ug/kg	86				40 (65)	140 (130)	



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4397

Client: Portal Partners Tri-Venture

Analytical Method: **8082A** **Datafile :** PP067845.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB164139BS	AR1016	5	4.60	ug/L	92				40 (61)	140 (112)	
	AR1260	5	4.30	ug/L	86				40 (66)	140 (113)	



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4397

Client: Portal Partners Tri-Venture

Analytical Method: **8082A** **Datafile :** PP067846.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164139BSD	AR1016	5	4.30	ug/L	86	7			40 (61)	140 (112)	20 (20)
	AR1260	5	4.10	ug/L	82	5			40 (66)	140 (113)	20 (20)

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164124BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: P4397

SAS No.: P4397 SDG NO.: P4397

Lab Sample ID: PB164124BL

Lab File ID: PP067787.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/14/2024

Date Analyzed (1): 10/14/2024

Date Analyzed (2): 10/14/2024

Time Analyzed (1): 14:31

Time Analyzed (2): 14:31

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164124BS	PB164124BS	PP067788.D	10/14/2024	10/14/2024
WB-301-TOP	P4397-01	PP067808.D	10/14/2024	10/14/2024
WB-301-BOT	P4397-02	PP067809.D	10/14/2024	10/14/2024
WB-301-BOTMS	P4397-02MS	PP067810.D	10/14/2024	10/14/2024
WB-301-BOTMSD	P4397-02MSD	PP067811.D	10/14/2024	10/14/2024

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164139BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: P4397

SAS No.: P4397 SDG NO.: P4397

Lab Sample ID: PB164139BL

Lab File ID: PP067838.D

Matrix: (soil/water) WATER

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/14/2024

Date Analyzed (1): 10/15/2024

Date Analyzed (2): 10/15/2024

Time Analyzed (1): 13:16

Time Analyzed (2): 13:16

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
WB-301-SW	P4397-04	PP067812.D	10/14/2024	10/14/2024
PB164139BS	PB164139BS	PP067845.D	10/15/2024	10/15/2024
PB164139BSD	PB164139BSD	PP067846.D	10/15/2024	10/15/2024

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-TOP	SDG No.:	P4397
Lab Sample ID:	P4397-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	63.3
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
PP067808.D	1	10/14/24 10:05	10/14/24 20:22	PB164124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	5.30	U	5.30	26.8	ug/kg
11104-28-2	Aroclor-1221	10.1	U	10.1	26.8	ug/kg
11141-16-5	Aroclor-1232	5.40	U	5.40	26.8	ug/kg
53469-21-9	Aroclor-1242	5.30	U	5.30	26.8	ug/kg
12672-29-6	Aroclor-1248	12.4	U	12.4	26.8	ug/kg
11097-69-1	Aroclor-1254	4.30	U	4.30	26.8	ug/kg
37324-23-5	Aroclor-1262	7.20	U	7.20	26.8	ug/kg
11100-14-4	Aroclor-1268	5.40	U	5.40	26.8	ug/kg
11096-82-5	Aroclor-1260	4.60	U	4.60	26.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.8		30 (32) - 150 (144)	79%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.7		30 (32) - 150 (175)	74%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
 Data File : PP067808.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2024 20:22
 Operator : YP\AJ
 Sample : P4397-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 WB-301-TOP

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :Ankita Jodhani 10/15/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 02:00:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.755	4.051	14577869	15831979	15.749	15.669m
2) SA Decachlor...	10.668	9.216	16928146	15444554	14.703	13.772

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
Data File : PP067808.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2024 20:22
Operator : YP\AJ
Sample : P4397-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

WB-301-TOP

Manual Integrations

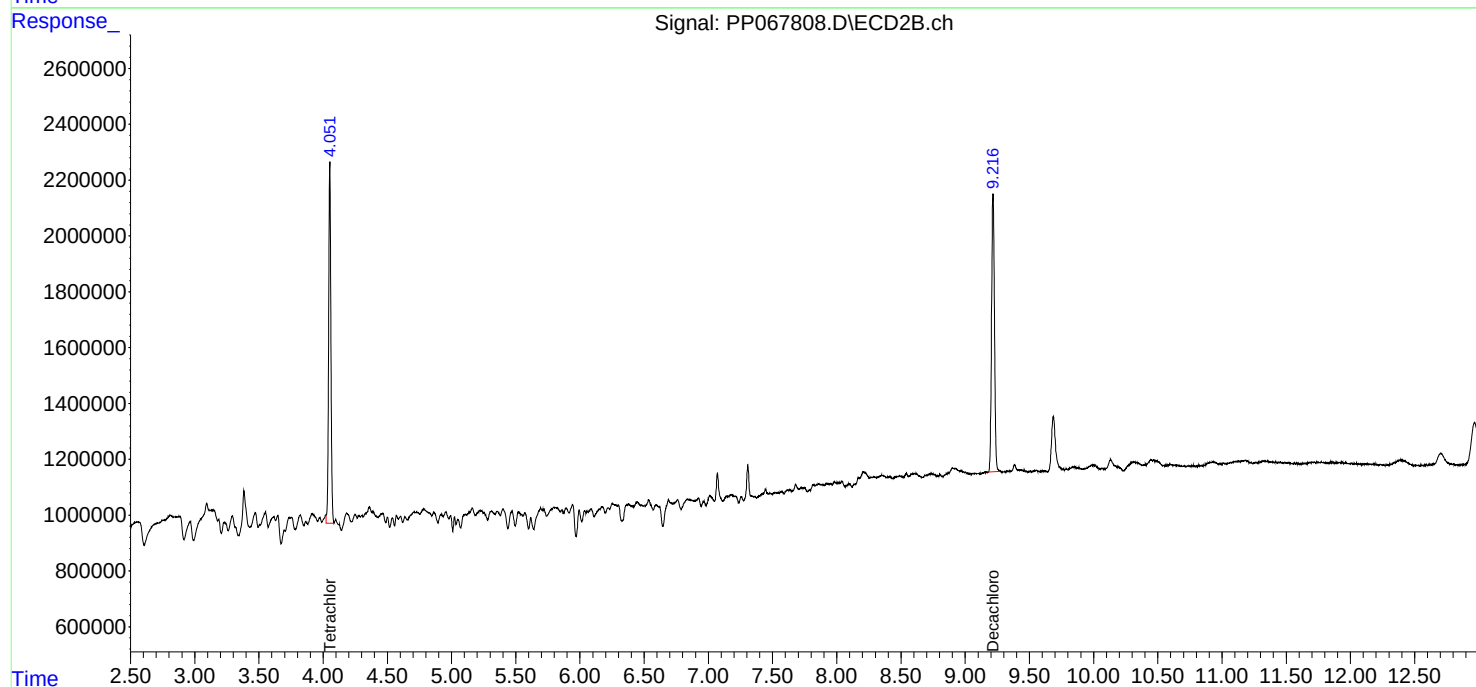
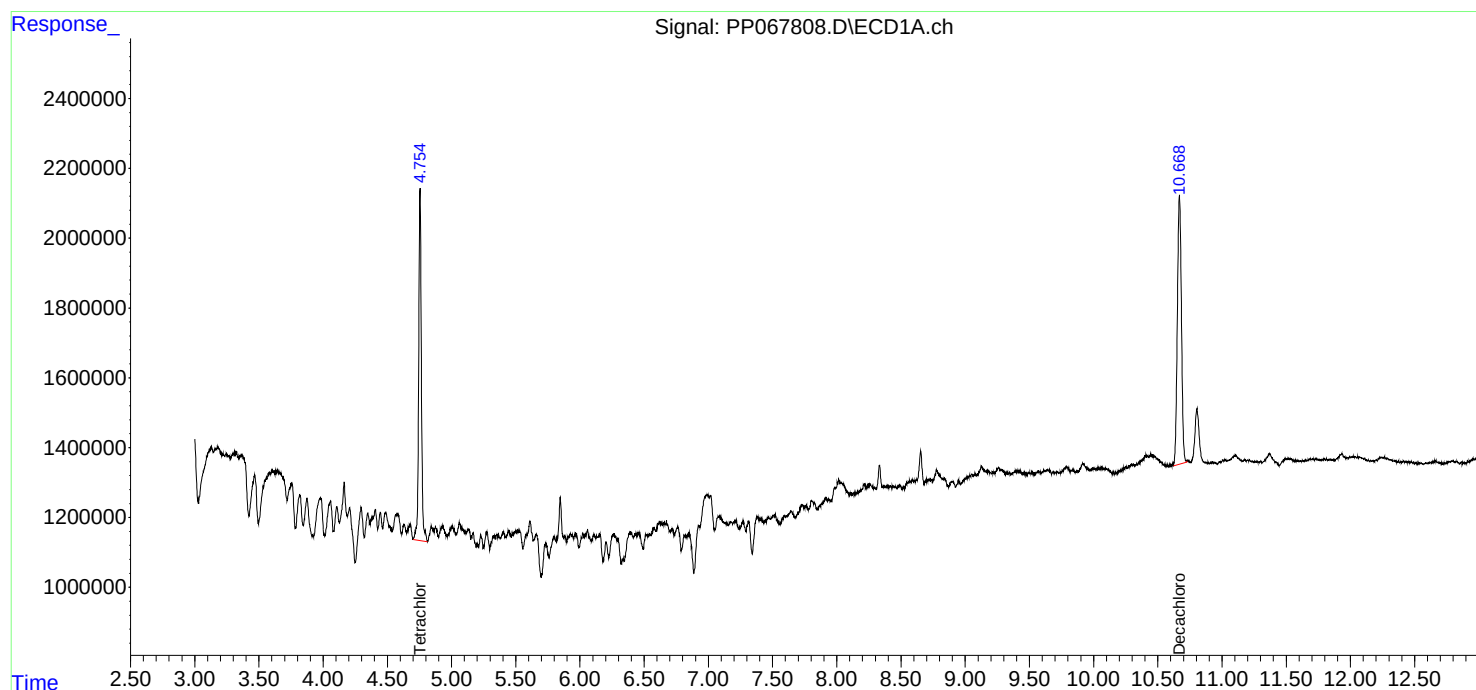
APPROVED

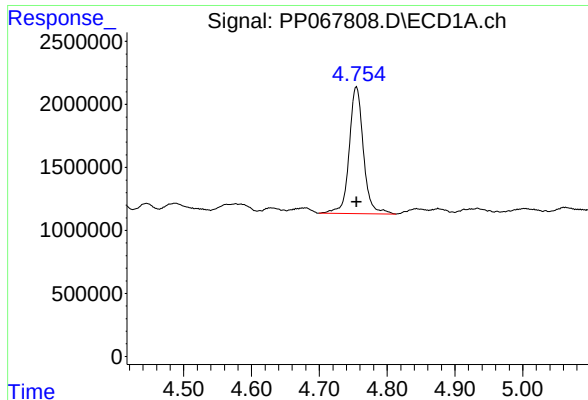
Reviewed By :Yogesh Patel 10/15/2024

Supervised By :Ankita Jodhani 10/15/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 02:00:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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





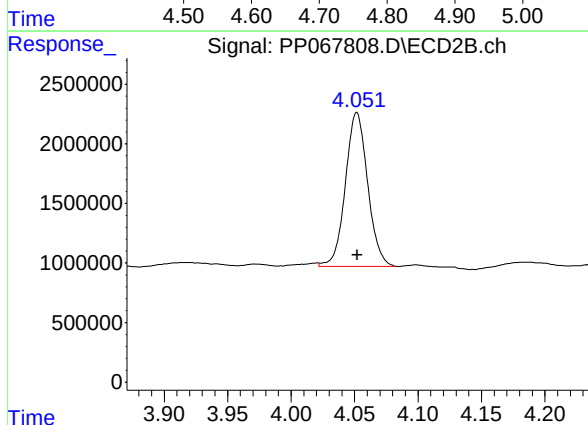
#1 Tetrachloro-m-xylene

R.T.: 4.755 min
Delta R.T.: 0.000 min
Response: 14577869
Conc: 15.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
WB-301-TOP

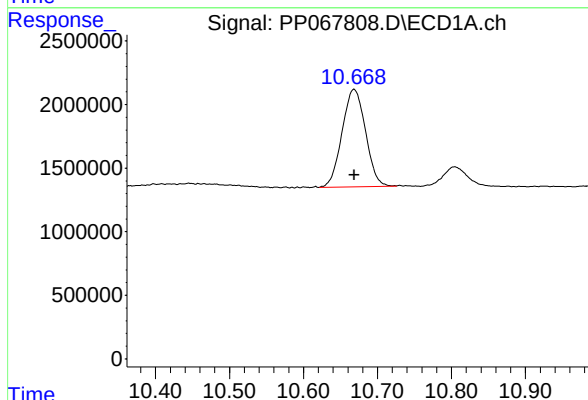
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/15/2024
Supervised By :Ankita Jodhani 10/15/2024



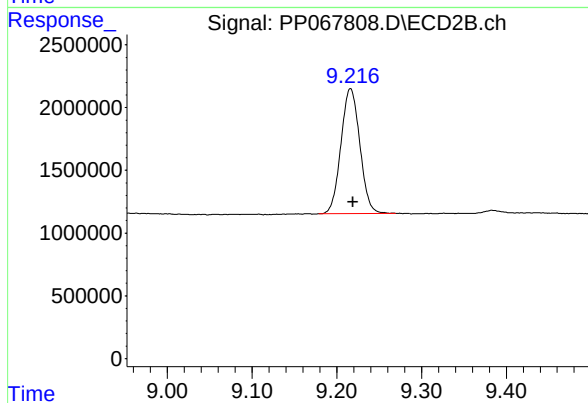
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 15831979
Conc: 15.67 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: 0.000 min
Response: 16928146
Conc: 14.70 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.216 min
Delta R.T.: -0.003 min
Response: 15444554
Conc: 13.77 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOT	SDG No.:	P4397
Lab Sample ID:	P4397-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	76
Sample Wt/Vol:	30.09	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
PP067809.D	1	10/14/24 10:05	10/14/24 20:38	PB164124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.40	U	4.40	22.3	ug/kg
11104-28-2	Aroclor-1221	8.40	U	8.40	22.3	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	22.3	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	22.3	ug/kg
12672-29-6	Aroclor-1248	10.4	U	10.4	22.3	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	22.3	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	22.3	ug/kg
11100-14-4	Aroclor-1268	4.50	U	4.50	22.3	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	22.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		30 (32) - 150 (144)	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.1		30 (32) - 150 (175)	86%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
 Data File : PP067809.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2024 20:38
 Operator : YP\AJ
 Sample : P4397-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 WB-301-BOT

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 02:01:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.755	4.052	18965615	20485844	20.489	20.275
2) SA Decachlor...	10.670	9.217	19699653	17967135	17.111	16.021

Target Compounds

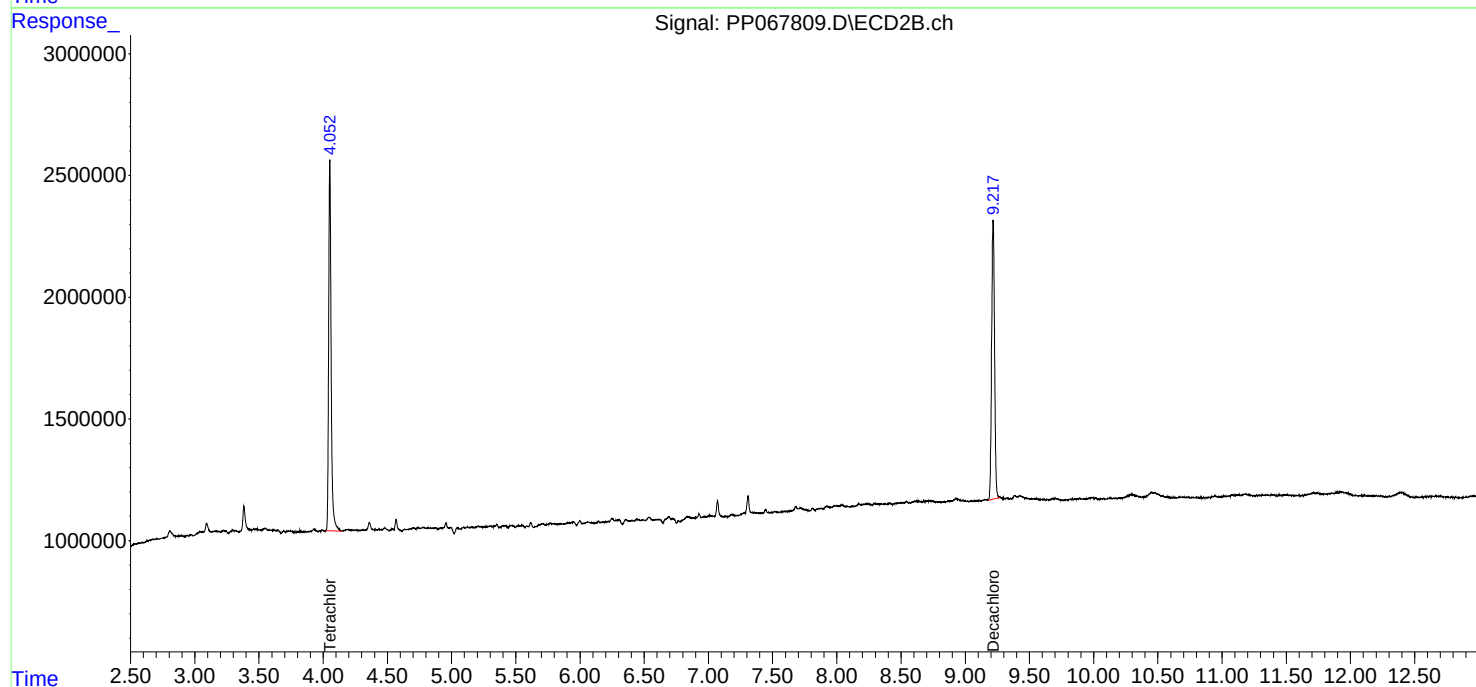
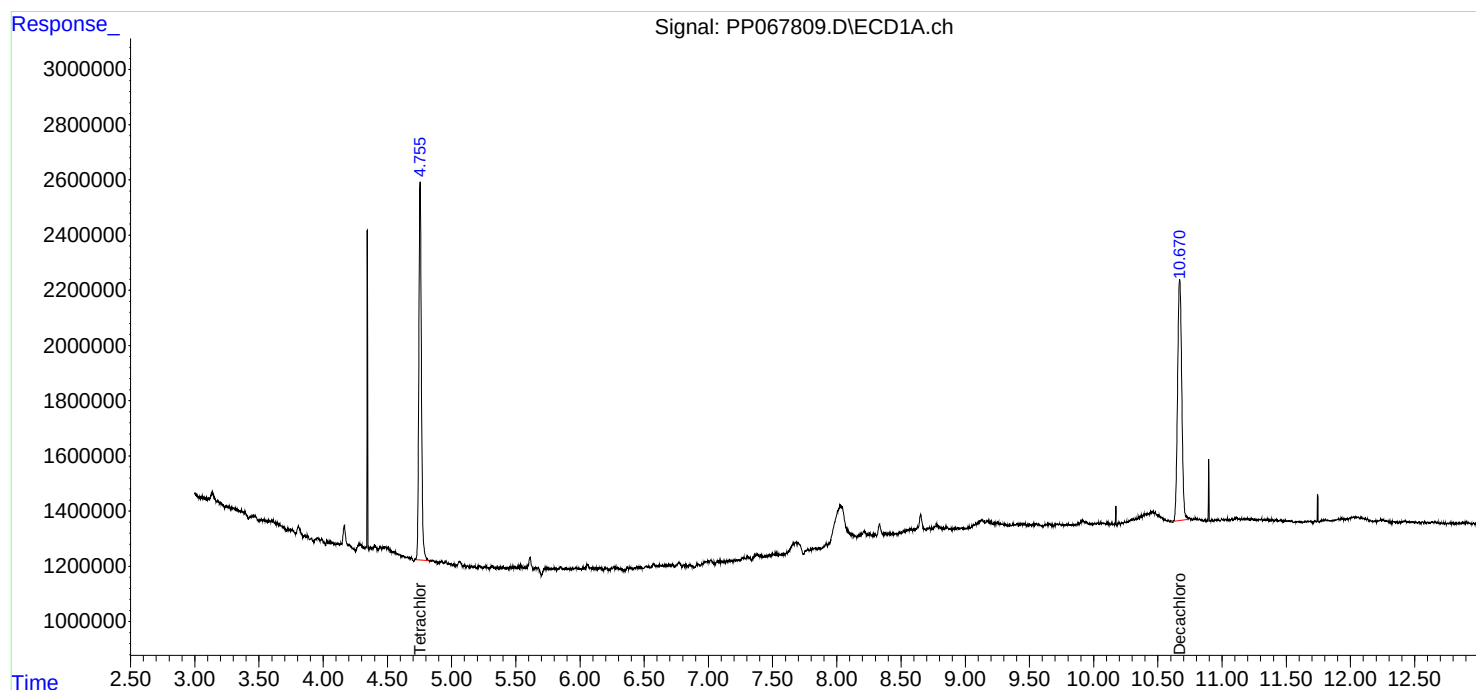
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

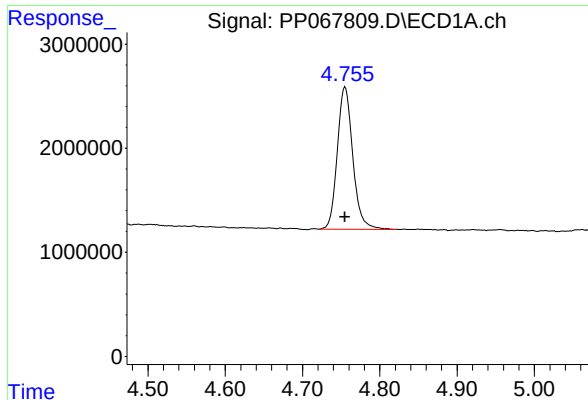
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
Data File : PP067809.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2024 20:38
Operator : YP\AJ
Sample : P4397-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
WB-301-BOT

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 02:01:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

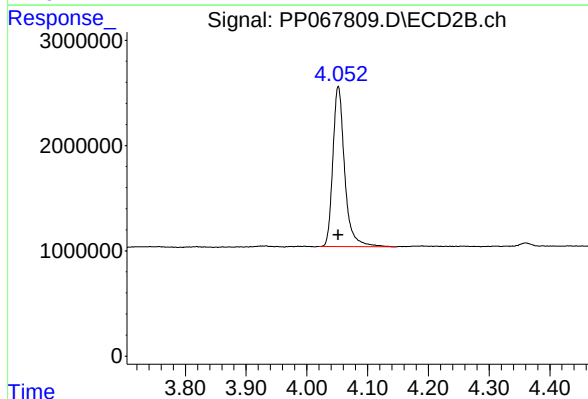




#1 Tetrachloro-m-xylene

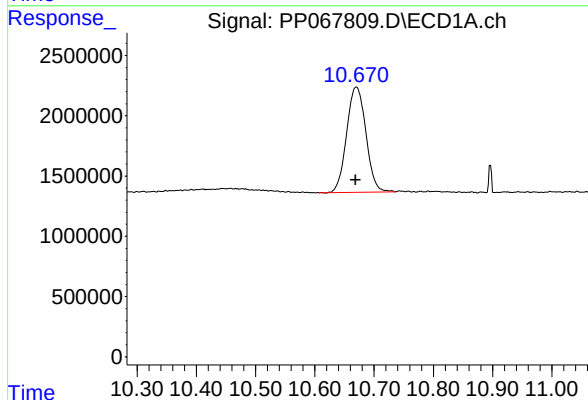
R.T.: 4.755 min
Delta R.T.: 0.000 min
Response: 18965615
Conc: 20.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
WB-301-BOT



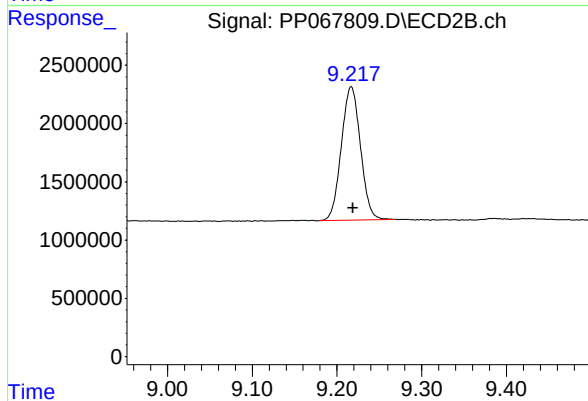
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 20485844
Conc: 20.27 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.670 min
Delta R.T.: 0.001 min
Response: 19699653
Conc: 17.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.217 min
Delta R.T.: -0.002 min
Response: 17967135
Conc: 16.02 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-SW	SDG No.:	P4397
Lab Sample ID:	P4397-04	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	960	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067812.D	1	10/14/24 13:15	10/14/24 21:26	PB164139

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.16	U	0.16	0.52	ug/L
11104-28-2	Aroclor-1221	0.24	U	0.24	0.52	ug/L
11141-16-5	Aroclor-1232	0.39	U	0.39	0.52	ug/L
53469-21-9	Aroclor-1242	0.17	U	0.17	0.52	ug/L
12672-29-6	Aroclor-1248	0.13	U	0.13	0.52	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.52	ug/L
37324-23-5	Aroclor-1262	0.15	U	0.15	0.52	ug/L
11100-14-4	Aroclor-1268	0.13	U	0.13	0.52	ug/L
11096-82-5	Aroclor-1260	0.16	U	0.16	0.52	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		30 (10) - 150 (157)	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		30 (10) - 150 (173)	97%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
 Data File : PP067812.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2024 21:26
 Operator : YP\AJ
 Sample : P4397-04
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 WB-301-SW

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 02:03:00 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.755	4.052	19501118	20301118	21.068	20.092
2) SA Decachlor...	10.668	9.215	22429565	20453698	19.482	18.238

Target Compounds

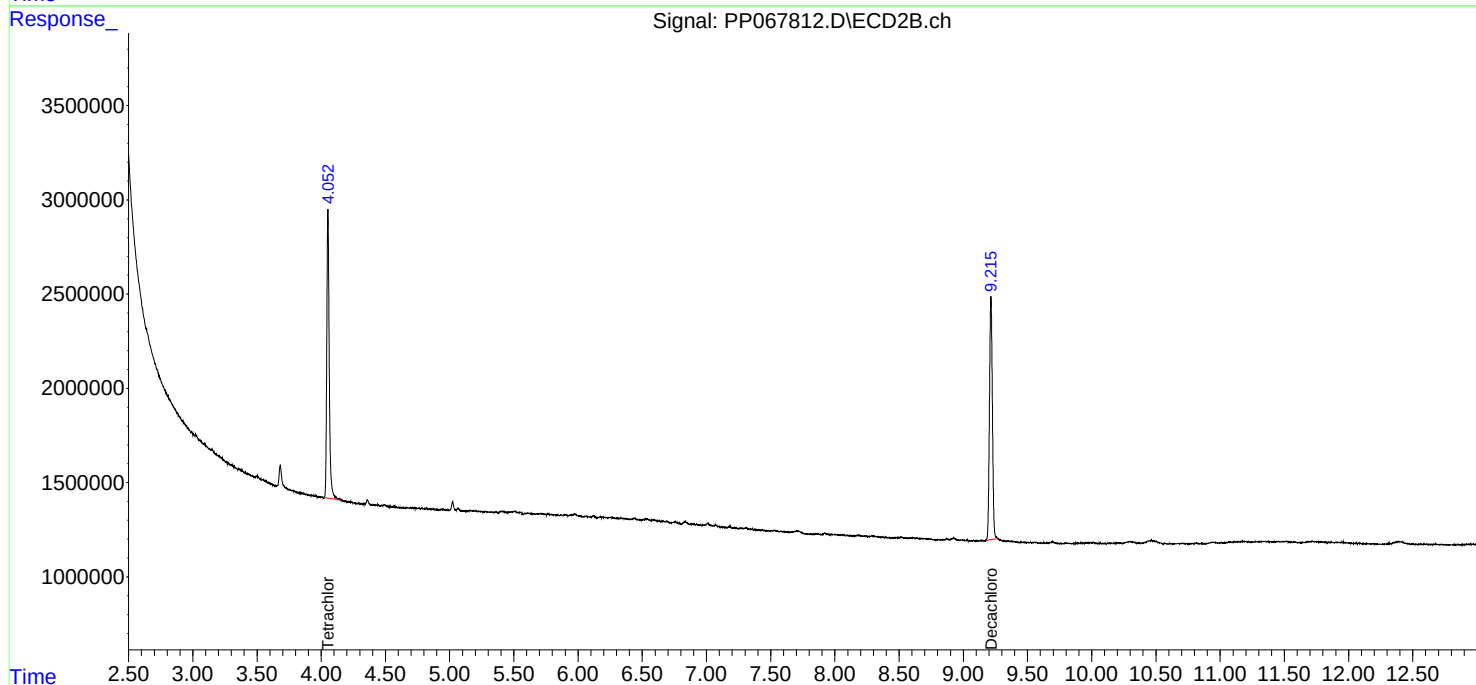
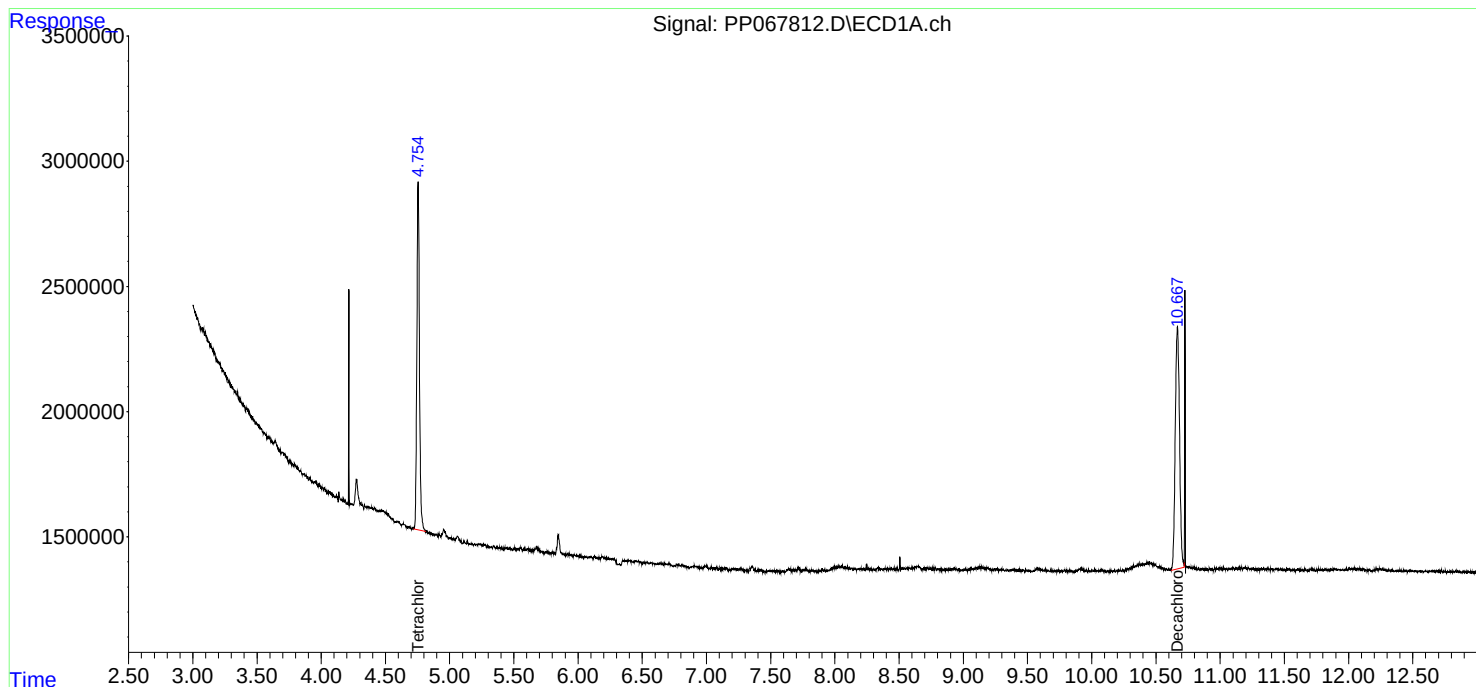
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

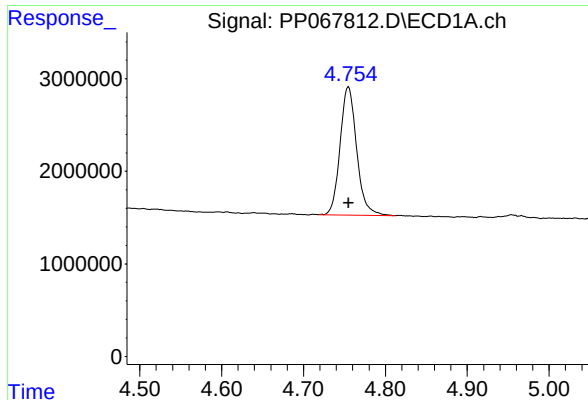
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
Data File : PP067812.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2024 21:26
Operator : YP\AJ
Sample : P4397-04
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
WB-301-SW

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 02:03:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

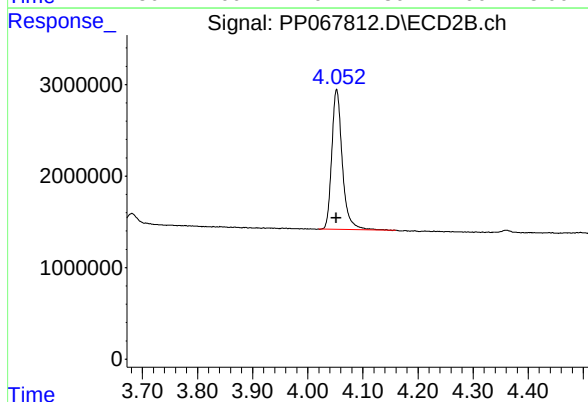




#1 Tetrachloro-m-xylene

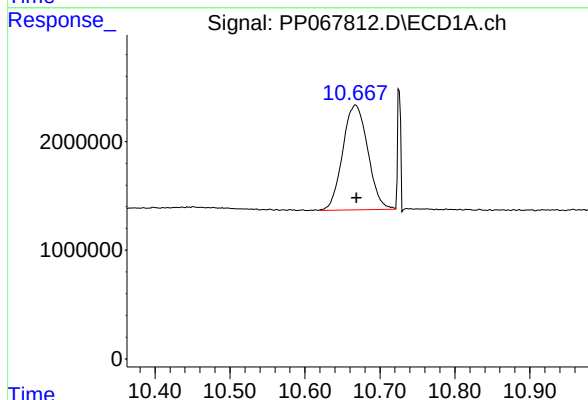
R.T.: 4.755 min
Delta R.T.: 0.000 min
Response: 19501118
Conc: 21.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
WB-301-SW



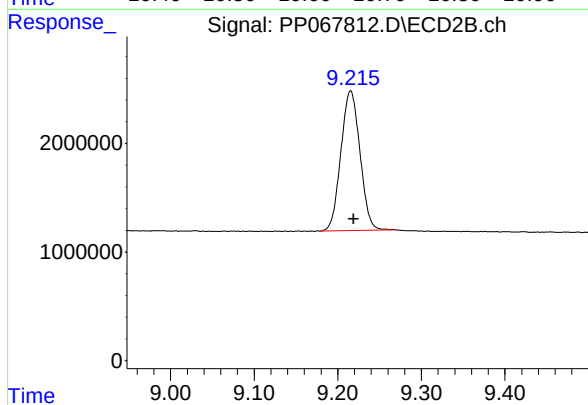
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 20301118
Conc: 20.09 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: -0.001 min
Response: 22429565
Conc: 19.48 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.215 min
Delta R.T.: -0.004 min
Response: 20453698
Conc: 18.24 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06
Lab Code: CHEM **Case No.:** P4397 **SAS No.:** P4397 **SDG NO.:** P4397
Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024
Calibration Times: 16:30 23:46

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

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

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1016-2	(2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1016-3	(3)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Aroclor-1016-4	(4)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1016-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1260-1	(1)	6.66	6.66	6.66	6.66	6.66	6.66	6.56	6.76
Aroclor-1260-2	(2)	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
Aroclor-1260-3	(3)	7.01	7.01	7.01	7.01	7.01	7.01	6.91	7.11
Aroclor-1260-4	(4)	7.48	7.48	7.48	7.48	7.48	7.48	7.38	7.58
Aroclor-1260-5	(5)	7.72	7.72	7.72	7.72	7.72	7.72	7.62	7.82
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1242-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1242-2	(2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1242-3	(3)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Aroclor-1242-4	(4)	5.45	5.45	5.45	5.44	5.45	5.45	5.35	5.55
Aroclor-1242-5	(5)	5.97	5.98	5.98	5.97	5.98	5.98	5.88	6.08
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1248-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-2	(2)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1248-3	(3)	5.44	5.45	5.44	5.44	5.45	5.44	5.34	5.54
Aroclor-1248-4	(4)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1248-5	(5)	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1254-1	(1)	5.98	5.97	5.98	5.98	5.98	5.98	5.88	6.08
Aroclor-1254-2	(2)	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Aroclor-1254-3	(3)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1254-4	(4)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Aroclor-1254-5	(5)	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1268-1	(1)	8.01	8.01	8.01	8.01	8.01	8.01	7.91	8.11
Aroclor-1268-2	(2)	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
Aroclor-1268-3	(3)	8.29	8.29	8.29	8.29	8.29	8.29	8.19	8.39
Aroclor-1268-4	(4)	8.60	8.60	8.60	8.60	8.60	8.60	8.50	8.70
Aroclor-1268-5	(5)	8.93	8.93	8.93	8.92	8.93	8.93	8.83	9.03

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06
Lab Code: CHEM **Case No.:** P4397 **SAS No.:** P4397 **SDG NO.:** P4397
Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024
Calibration Times: 16:30 23:46

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

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



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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06
Lab Code: CHEM **Case No.:** P4397 **SAS No.:** P4397 **SDG NO.:** P4397
Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024
Calibration Times: 16:30 23:46

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

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



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CALIBRATION FACTOR OF INITIAL CALIBRATION

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



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

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

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

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



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

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

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

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 08 17:39:19 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 08 17:34:59 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.052	91838955	97630216	97.299	96.928
2) SA Decachlor...	10.665	9.219	104.8E6	101.7E6	94.775	95.397
Target Compounds						
3) L1 AR-1016-1	5.918	5.161	31263736	32214100	955.203	960.055
4) L1 AR-1016-2	5.941	5.181	45702590	45072170	956.800	961.191
5) L1 AR-1016-3	6.004	5.362	29655293	25675074	953.897	964.458
6) L1 AR-1016-4	6.102	5.401	24305642	22207756	963.811	951.282
7) L1 AR-1016-5	6.397	5.620	25253642	28303958	946.542	954.564
31) L7 AR-1260-1	7.520	6.664	48881600	51490839	954.916	950.561
32) L7 AR-1260-2	7.773	6.851	57303356	60685581	954.683	953.135
33) L7 AR-1260-3	8.134	7.009	47767972	58195863	951.165	948.836
34) L7 AR-1260-4	8.373	7.484	55679811	51141777	953.156	957.608
35) L7 AR-1260-5	8.709	7.722	101.1E6	115.8E6	965.445	972.876

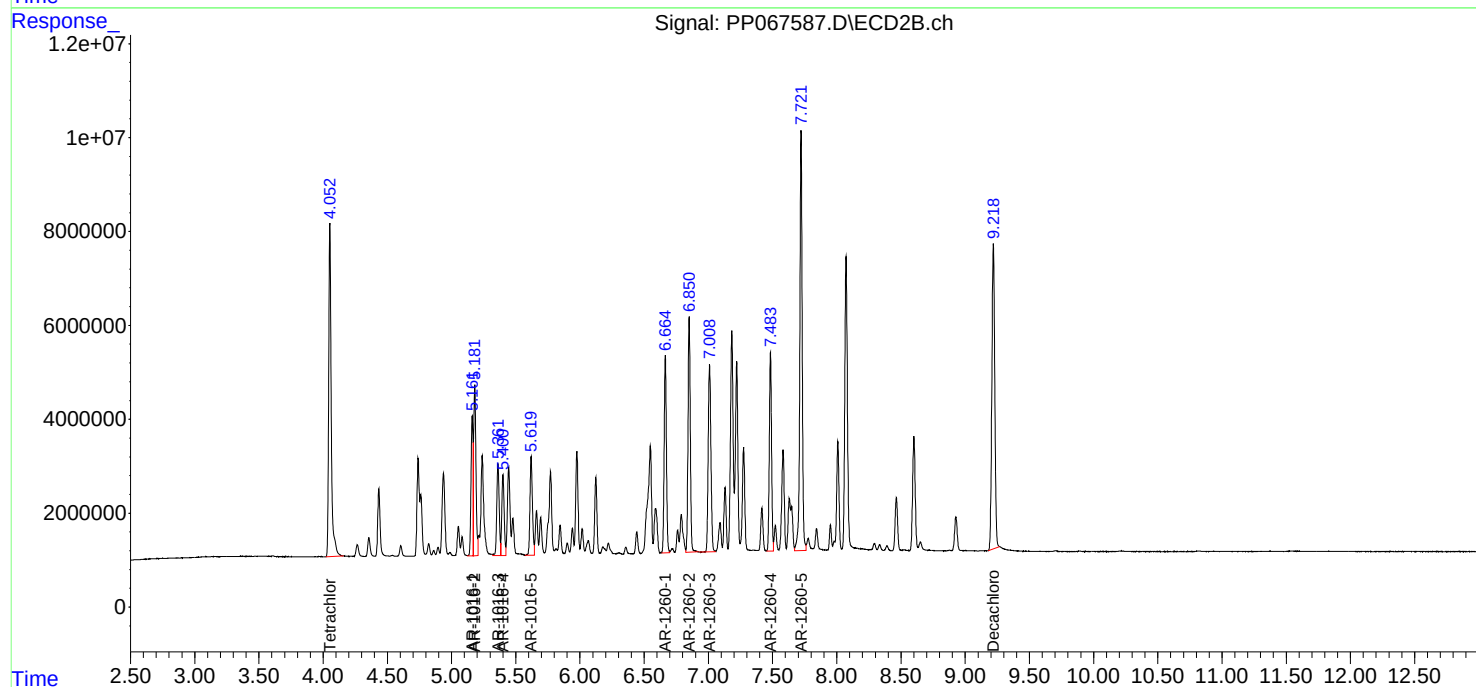
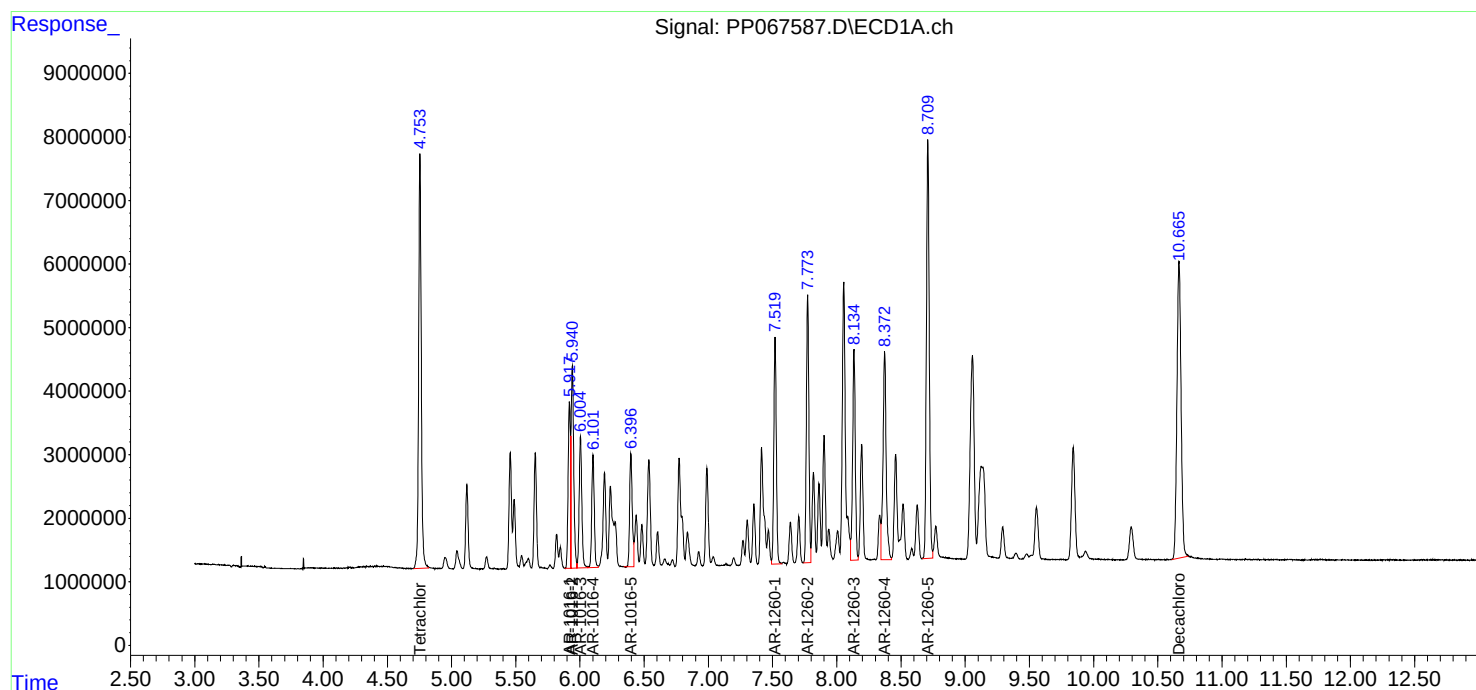
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:39:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067588.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 16:46
 Operator : YP\AJ
 Sample : AR1660ICC750
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 08 17:42:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 08 17:34:59 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.052	70323657	75208356	74.669	74.778
2) SA Decachlor...	10.667	9.219	81939100	79868410	74.418	74.960
Target Compounds						
3) L1 AR-1016-1	5.918	5.160	24175021	25133615	742.375	749.360
4) L1 AR-1016-2	5.940	5.181	35714746	35207978	748.466	750.554
5) L1 AR-1016-3	6.004	5.362	23235527	20458247	748.263	762.228
6) L1 AR-1016-4	6.102	5.401	18723849	17766215	744.964	757.315
7) L1 AR-1016-5	6.397	5.620	19880996	22638296	746.772	758.938
31) L7 AR-1260-1	7.520	6.664	38296970	40400914	748.760	747.217
32) L7 AR-1260-2	7.773	6.851	44605284	47387900	745.407	746.177
33) L7 AR-1260-3	8.135	7.009	37395428	45613565	746.408	745.783
34) L7 AR-1260-4	8.373	7.484	43609757	39347608	747.686	741.126
35) L7 AR-1260-5	8.710	7.722	77783279	88073766	744.965	743.472

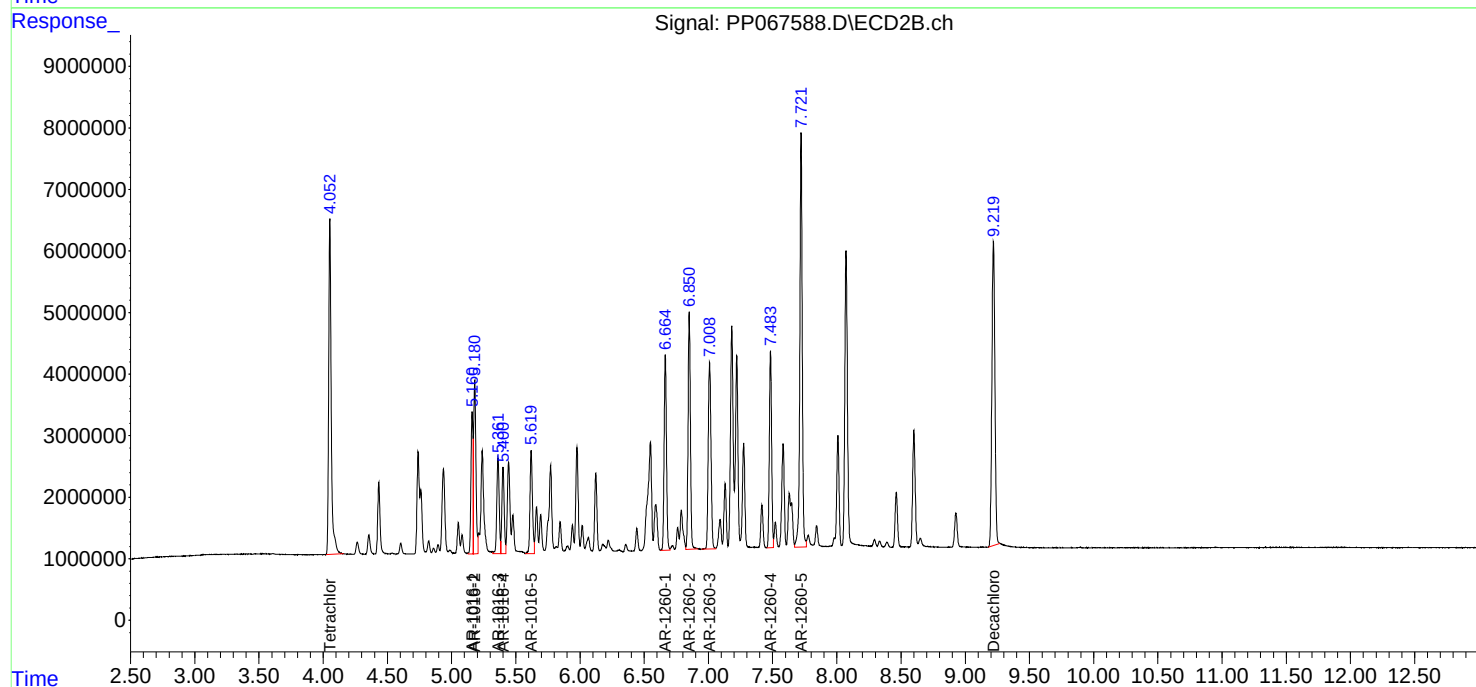
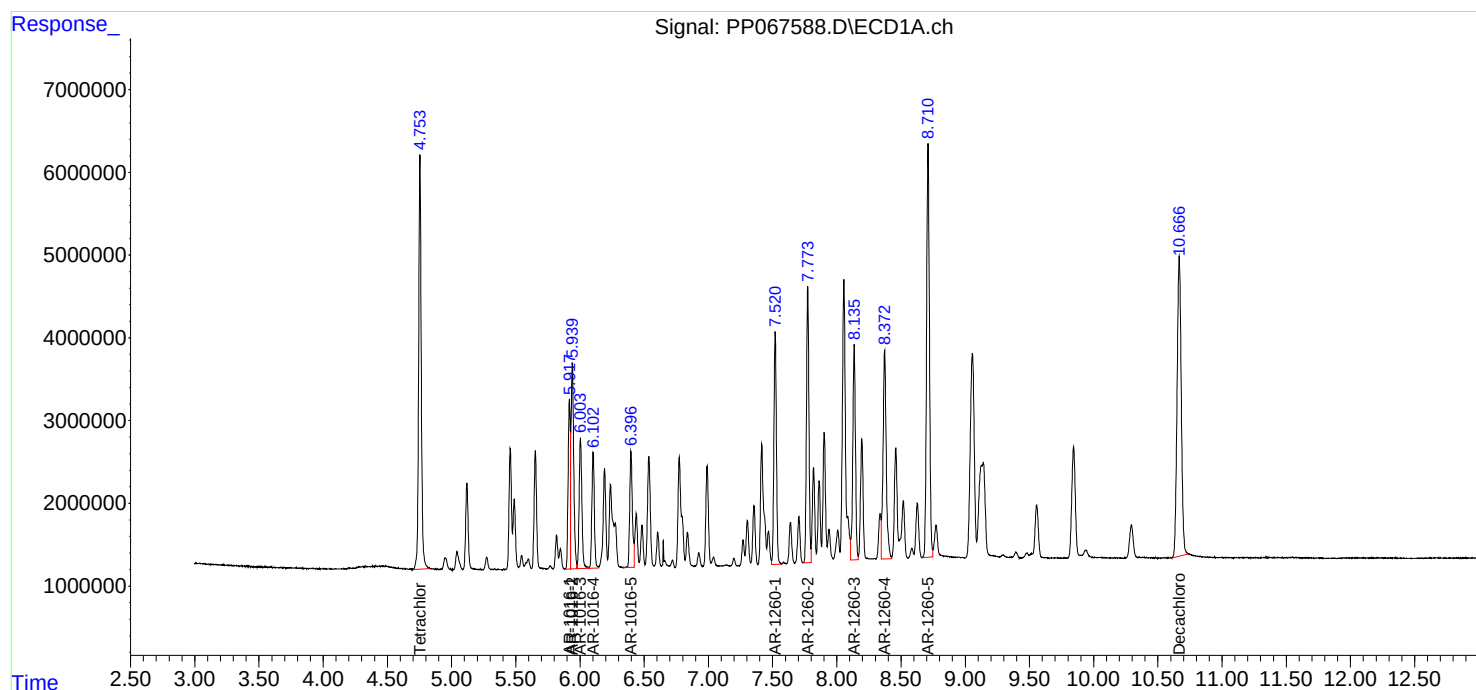
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067588.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:46
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:42:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067589.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 17:02
 Operator : YP\AJ
 Sample : AR1660ICC500
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 08 17:35:23 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 08 17:34:59 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.755	4.052	48468733	51909432	50.000	50.000
2) SA Decachlor...	10.669	9.219	58154431	55740893	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	5.919	5.161	17098086	17447388	500.000	500.000
4) L1 AR-1016-2	5.942	5.181	24914801	24355921	500.000	500.000
5) L1 AR-1016-3	6.005	5.362	16260933	13783722	500.000	500.000
6) L1 AR-1016-4	6.103	5.401	13065451	12241213	500.000	500.000
7) L1 AR-1016-5	6.398	5.620	14053069	15499204	500.000	500.000
31) L7 AR-1260-1	7.522	6.664	26748646	28423465	500.000	500.000
32) L7 AR-1260-2	7.775	6.850	31371778	33326673	500.000	500.000
33) L7 AR-1260-3	8.137	7.008	26336481	32235992	500.000	500.000
34) L7 AR-1260-4	8.375	7.483	30576350	27834870	500.000	500.000
35) L7 AR-1260-5	8.712	7.722	54191257	61102763	500.000	500.000

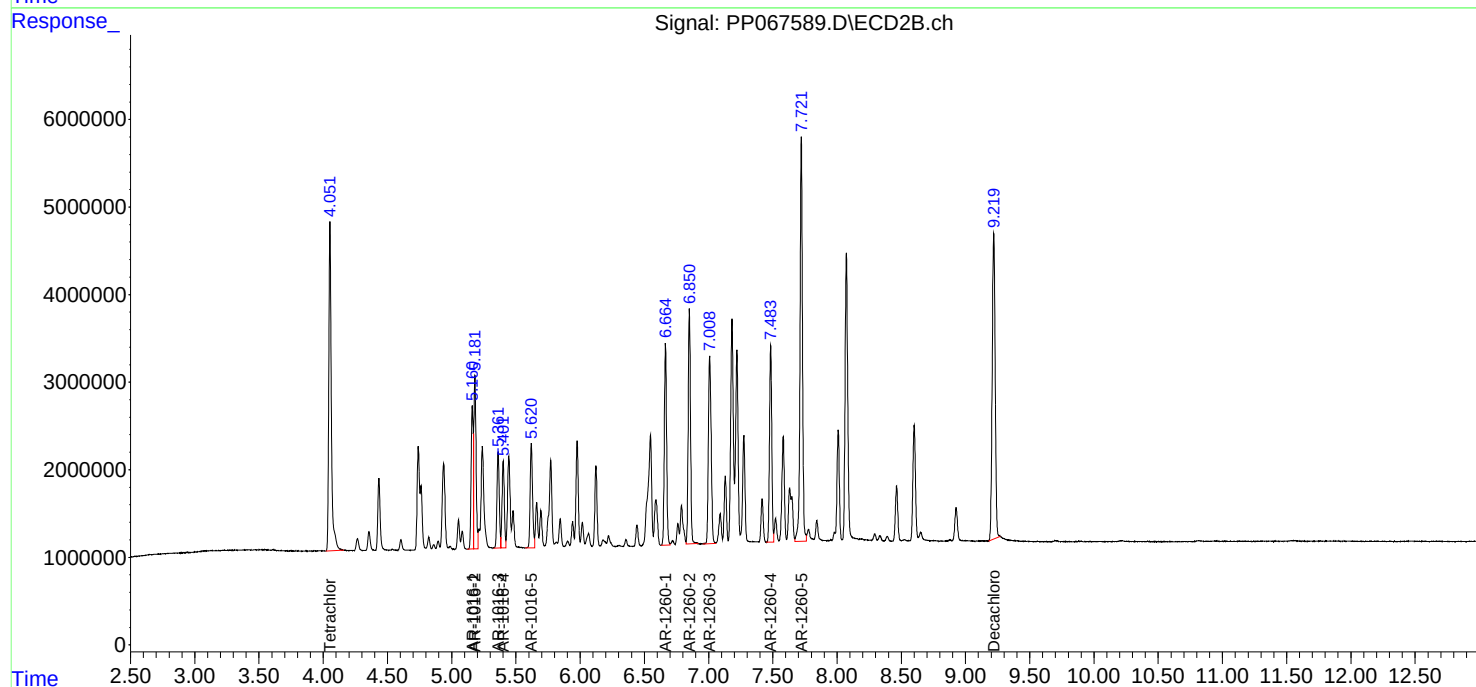
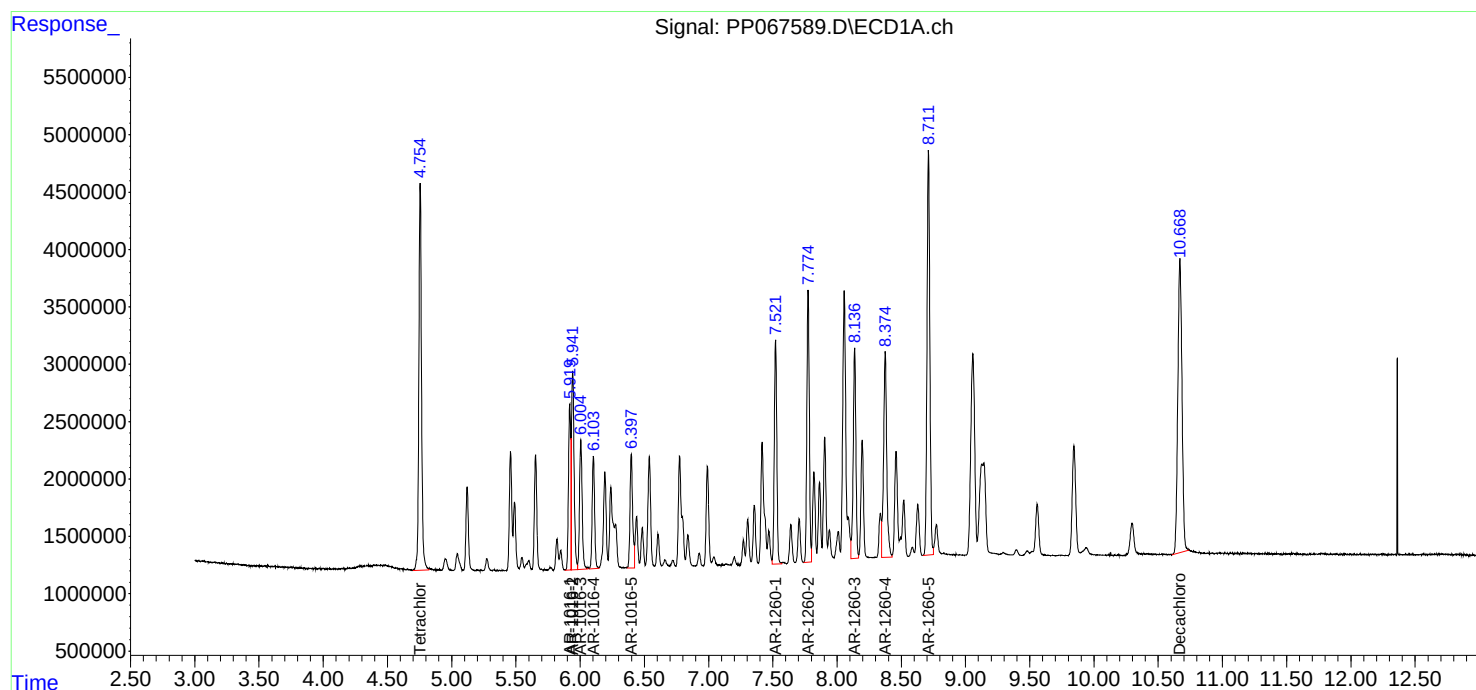
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:02
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:35:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC250

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 08 17:44:47 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 08 17:34:59 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.052	24449136	27156481	25.713	26.471
2) SA Decachlor...	10.667	9.219	31812344	30378918	27.810	27.545
Target Compounds						
3) L1 AR-1016-1	5.918	5.161	9055321	9463755	270.481	273.370
4) L1 AR-1016-2	5.940	5.181	13304120	13044437	271.003	270.483
5) L1 AR-1016-3	6.004	5.362	8636467	7128613	270.516	261.517
6) L1 AR-1016-4	6.102	5.401	6870142	6439676	267.107	267.937
7) L1 AR-1016-5	6.397	5.620	7389125	8015561	270.109	262.746m
31) L7 AR-1260-1	7.520	6.664	15047489	15673375	281.747	278.763
32) L7 AR-1260-2	7.774	6.851	17224004	18293992	277.341	277.498
33) L7 AR-1260-3	8.135	7.010	14268955	17271160	275.227	273.526
34) L7 AR-1260-4	8.373	7.484	16575744	15053418	274.795	274.336
35) L7 AR-1260-5	8.710	7.722	29040541	32010485	270.523	264.861

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

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

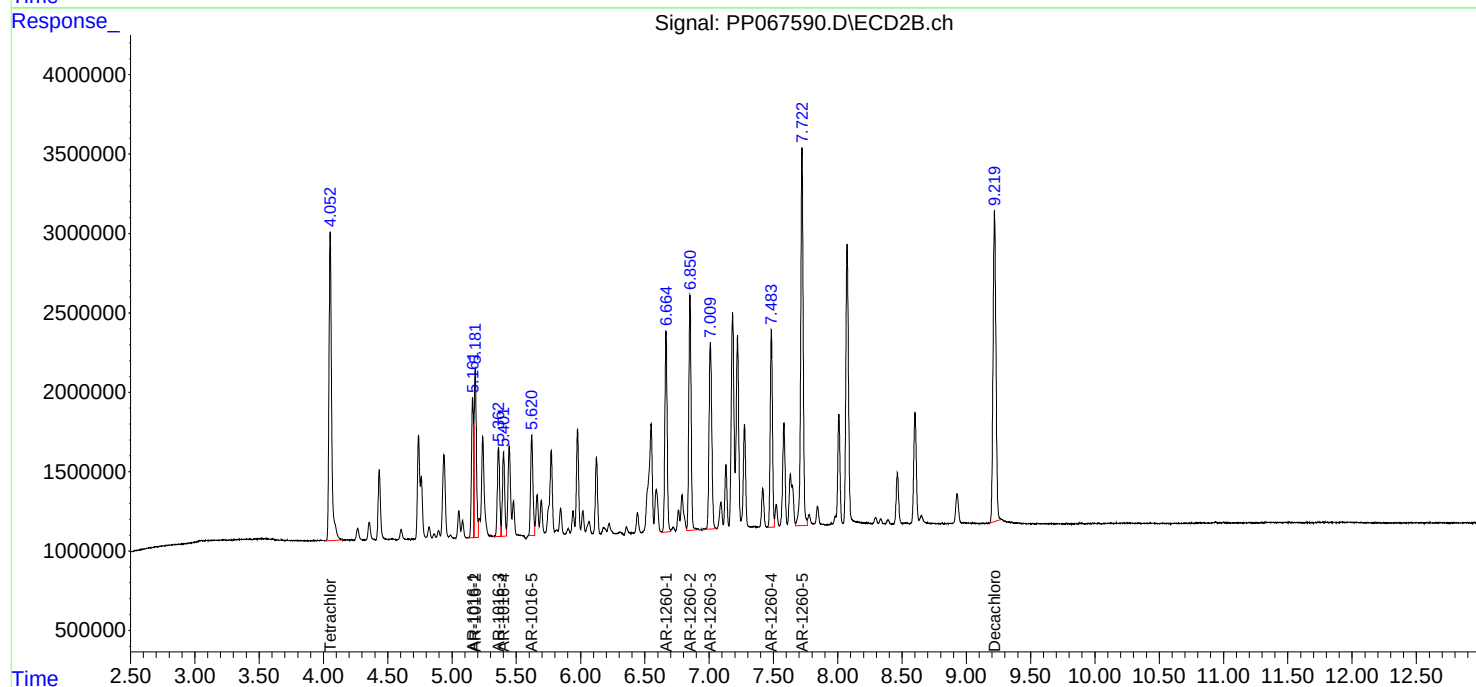
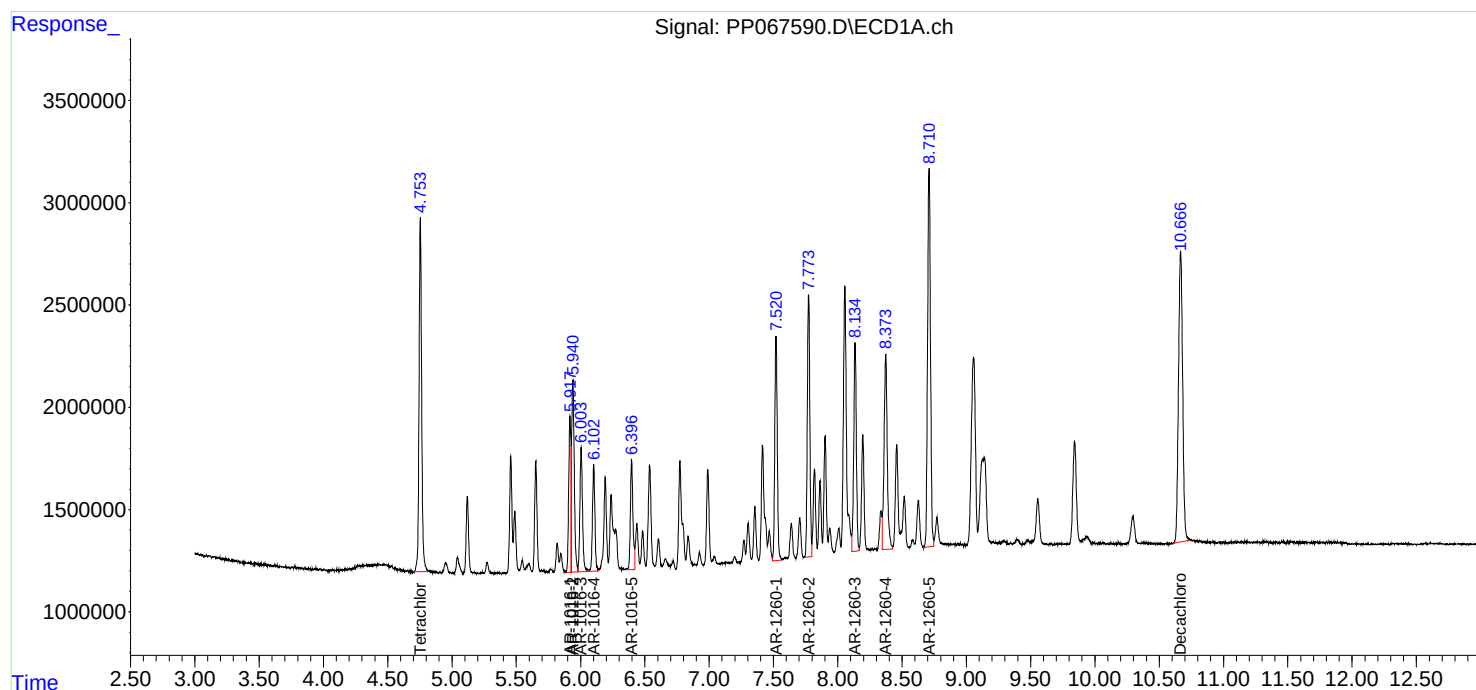
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:44:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 08 17:48:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 08 17:34:59 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.755	4.052	4124158	4742428	4.455	4.694
2) SA Decachlor...	10.668	9.218	5904228	5978529	5.128	5.331
Target Compounds						
3) L1 AR-1016-1	5.918	5.161	1570943	1823044	47.508	52.106
4) L1 AR-1016-2	5.941	5.181	2374298	2396851	48.683	49.760
5) L1 AR-1016-3	6.005	5.362	1492800	1282642	47.373	47.615
6) L1 AR-1016-4	6.103	5.401	1291798	1214418	50.179	50.422
7) L1 AR-1016-5	6.398	5.619	1295512	1525015	47.863	50.109m
31) L7 AR-1260-1	7.521	6.664	2824350	2995537	52.280	52.588
32) L7 AR-1260-2	7.774	6.851	3396864	3491158	53.688	52.338
33) L7 AR-1260-3	8.136	7.009	2593344	3296752	50.017	51.753
34) L7 AR-1260-4	8.373	7.483	2984512	2848752	49.581	51.521
35) L7 AR-1260-5	8.711	7.721	5458119	6403126	50.673	52.357

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

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

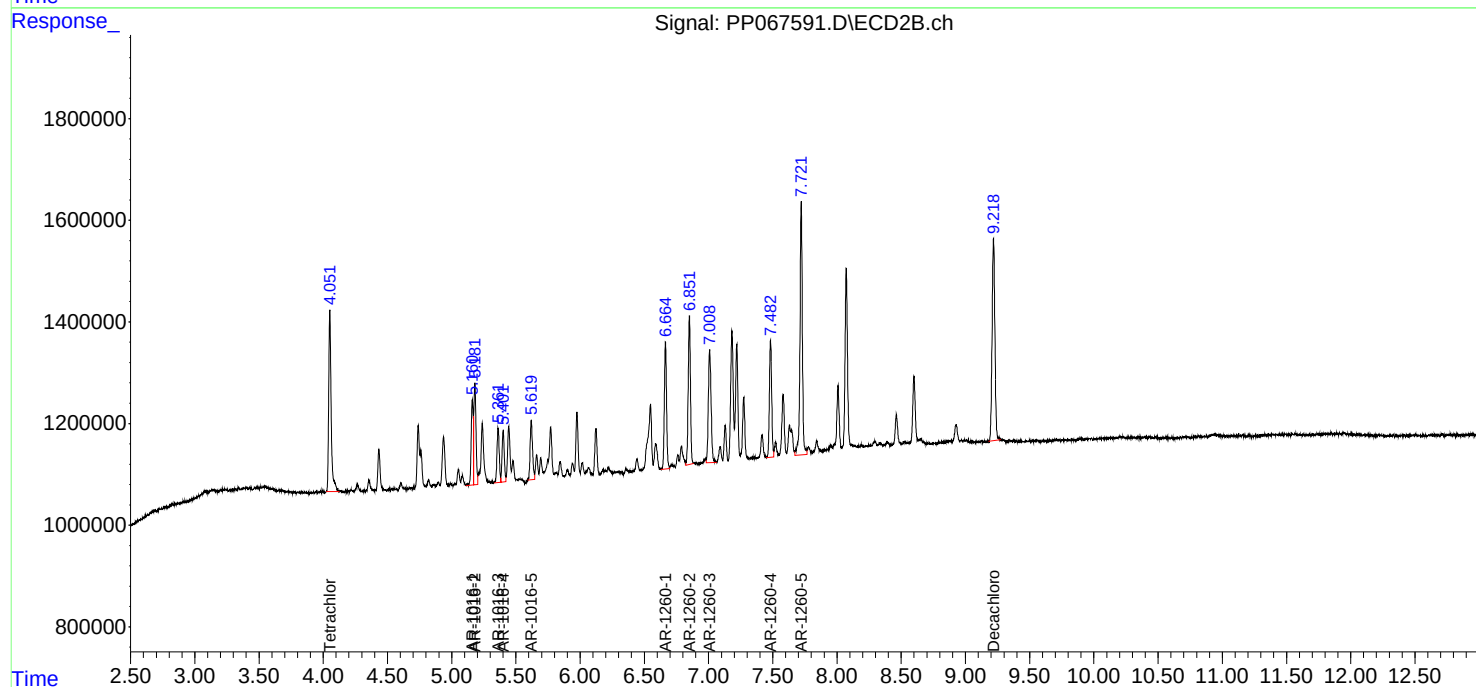
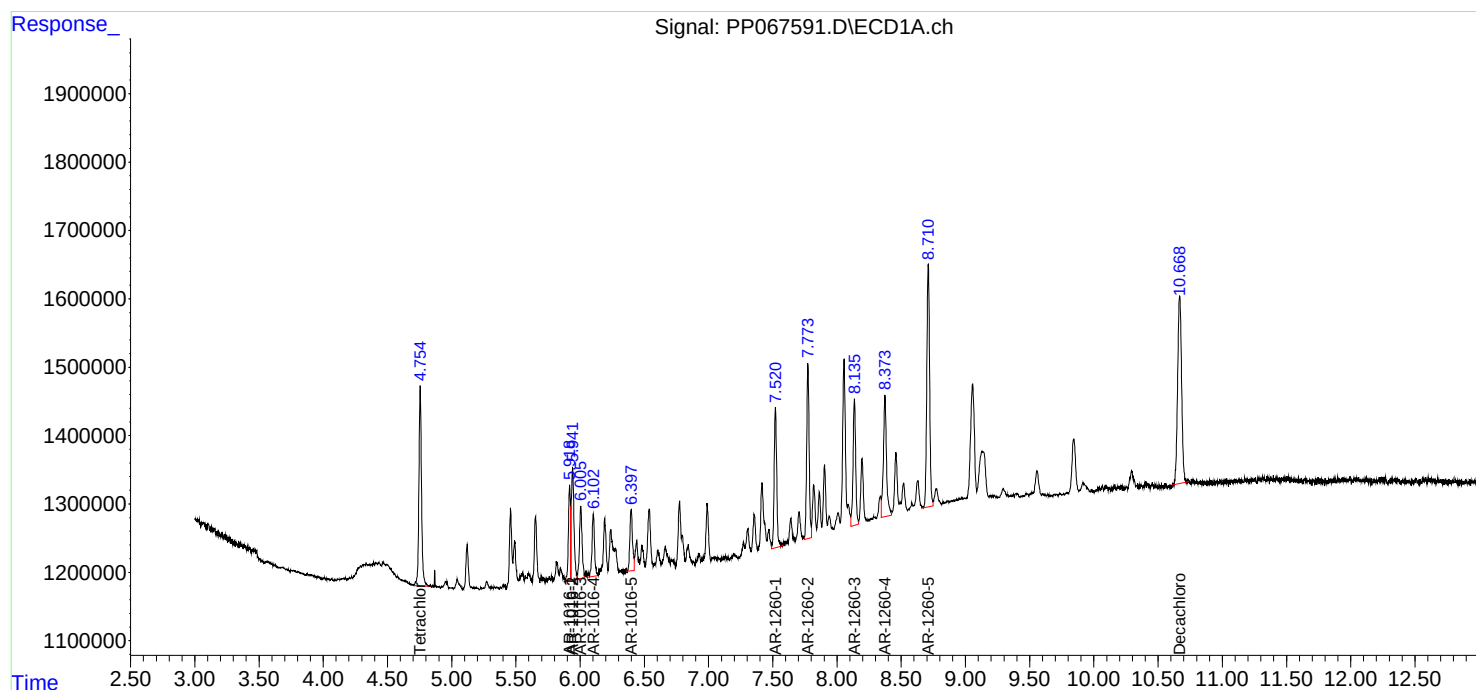
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:48:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067592.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 17:51
 Operator : YP\AJ
 Sample : AR1221ICC500
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1221ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 01:53:36 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 01:52:29 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.753	4.052	47679737	52733461	50.000	50.000
2) SA Decachlor...	10.668	9.219	57899448	56082979	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	4.955	4.267	6404930	6585095	500.000	500.000
9) L2 AR-1221-2	5.041	4.356	4730292	4980620	500.000	500.000
10) L2 AR-1221-3	5.119	4.434	14453920	15565562	500.000	500.000

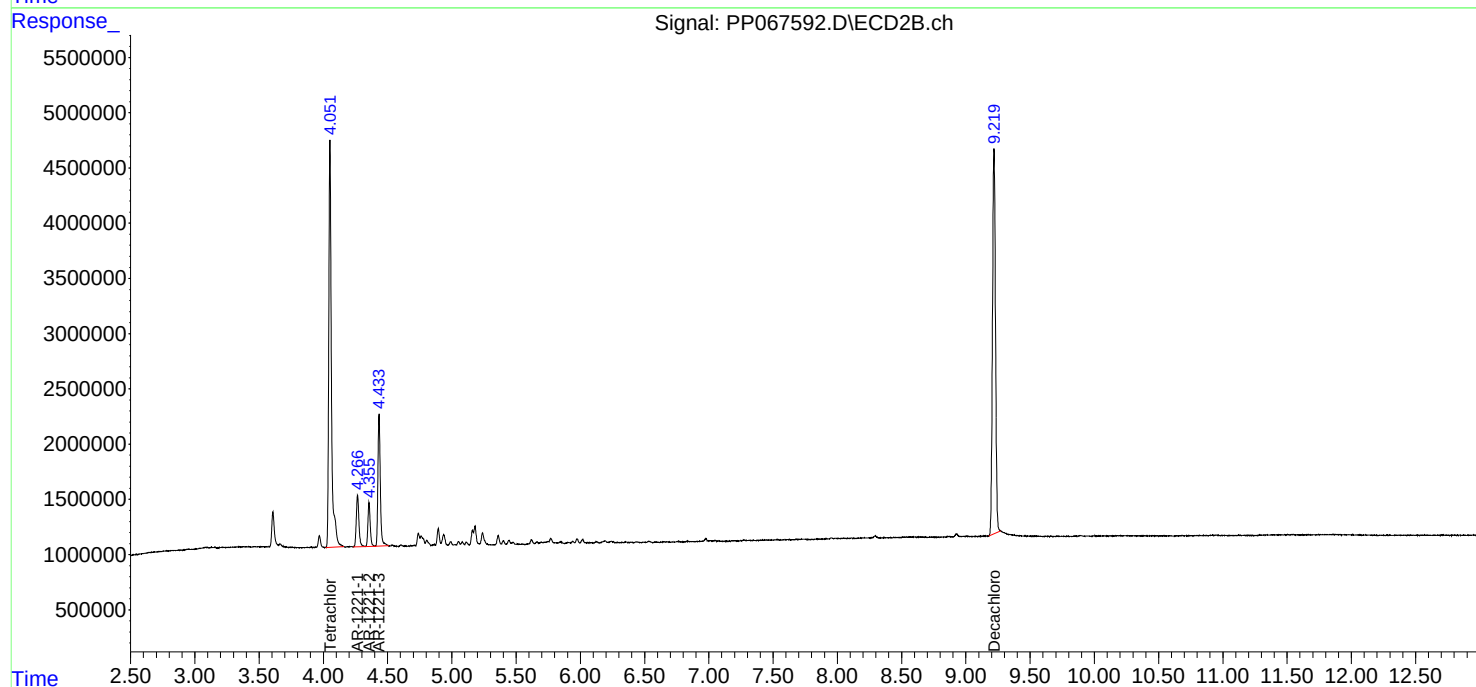
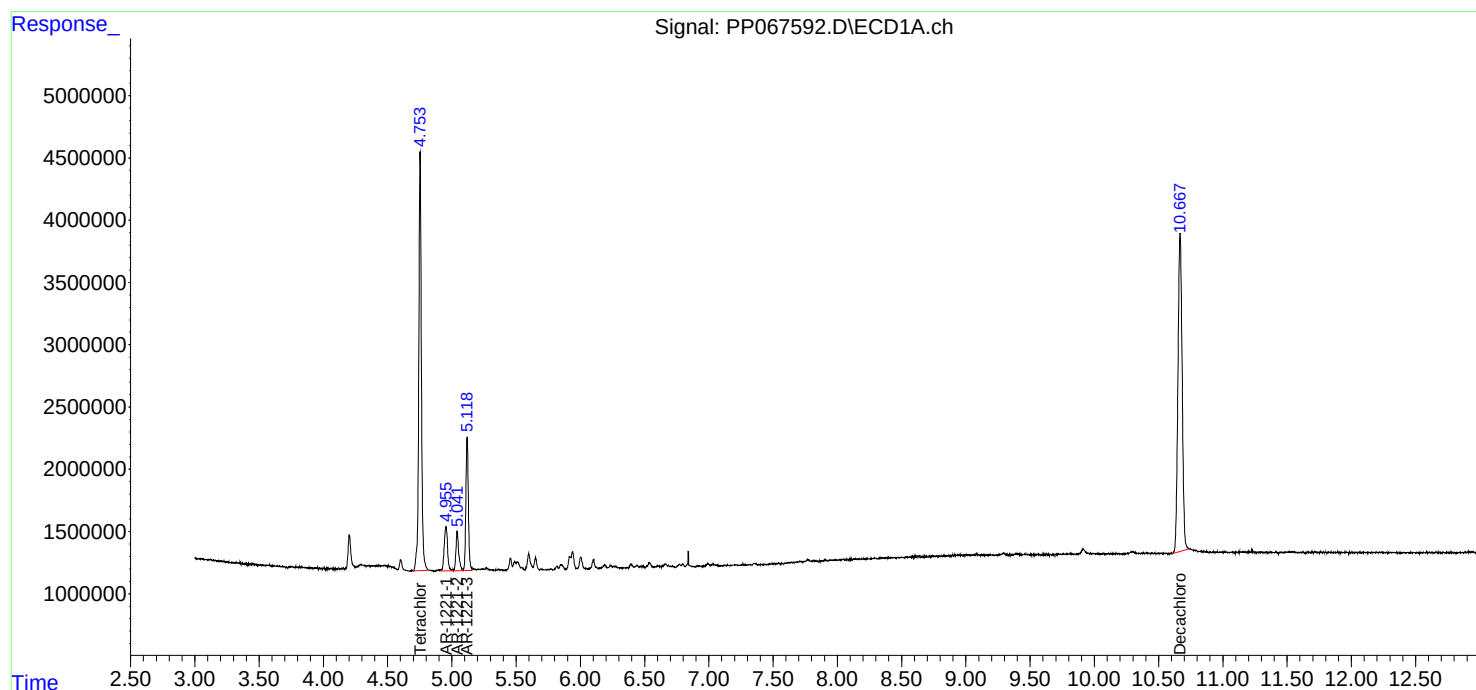
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:51
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 01:53:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 01:52:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067593.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 18:07
 Operator : YP\AJ
 Sample : AR1232ICC500
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1232ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 02:05:43 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:05:05 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.052	46649380	50505300	50.000	50.000
2) SA Decachlor...	10.666	9.219	56517304	54410300	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	5.119	4.434	11429914	12166488	500.000	500.000
12) L3 AR-1232-2	5.651	5.181	5891516	11182496	500.000	500.000
13) L3 AR-1232-3	5.940	5.361	11137505	5971903	500.000	500.000
14) L3 AR-1232-4	6.101	5.445	5643711	5765679	500.000	500.000
15) L3 AR-1232-5	6.191	5.620	4560092	6725151	500.000	500.000

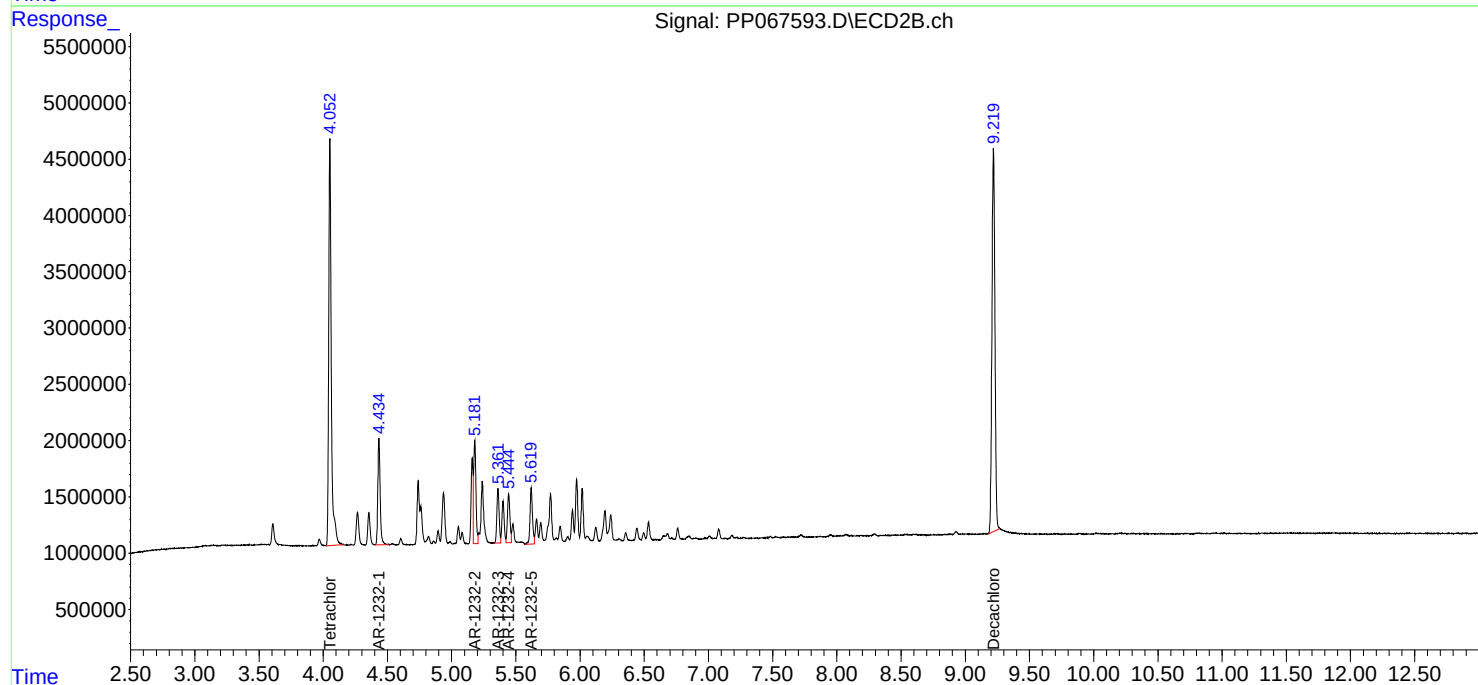
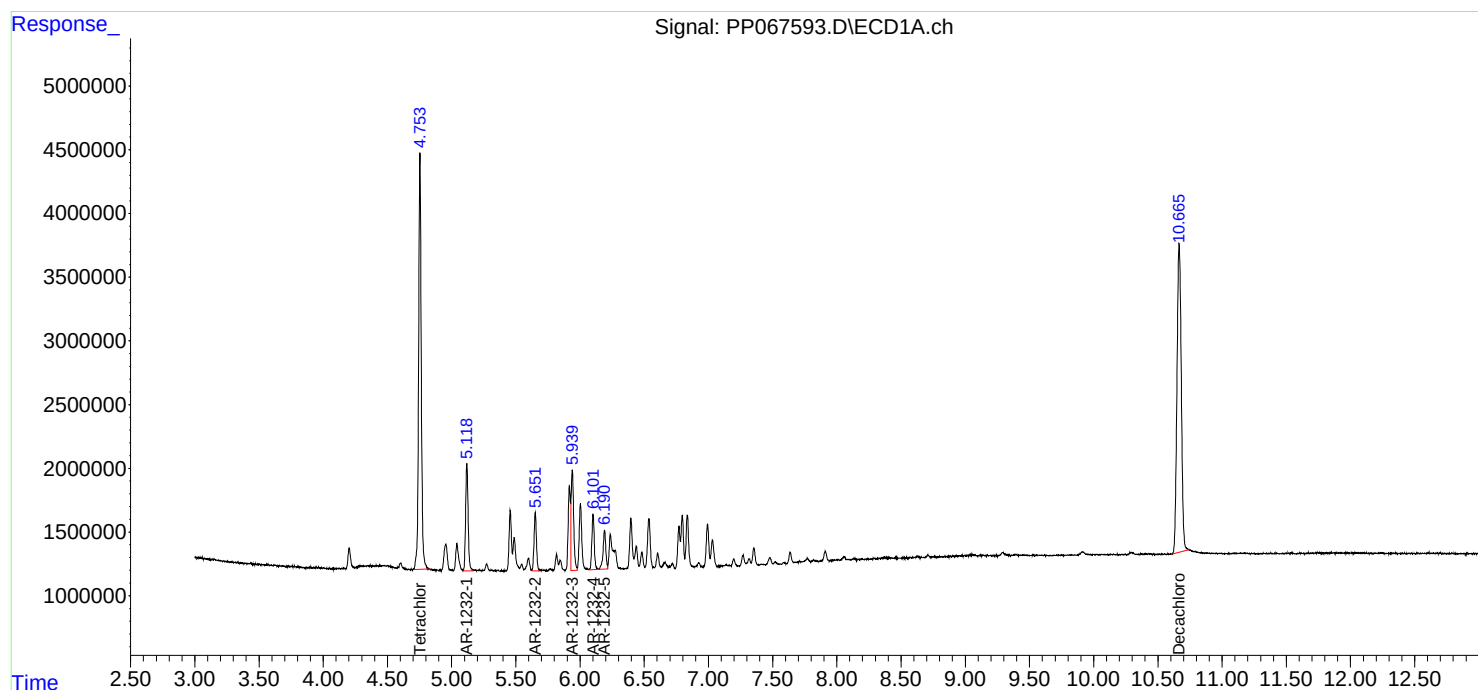
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:07
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:05:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:05:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067594.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 18:23
 Operator : YP\AJ
 Sample : AR1242ICC1000
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 02:27:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:22:02 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.756	4.052	91804577	97931710	92.720	93.408
2) SA Decachlor...	10.670	9.219	105.0E6	103.1E6	88.700	90.096
Target Compounds						
16) L4 AR-1242-1	5.920	5.161	26136486	26643227	904.997	885.672
17) L4 AR-1242-2	5.942	5.181	37560737	37173910	898.084	909.892
18) L4 AR-1242-3	6.006	5.361	24775066	21209836	896.770	906.817
19) L4 AR-1242-4	6.104	5.445	19919938	21894421	904.626	888.797
20) L4 AR-1242-5	6.838	5.974	22664411	25904963	925.292	897.607

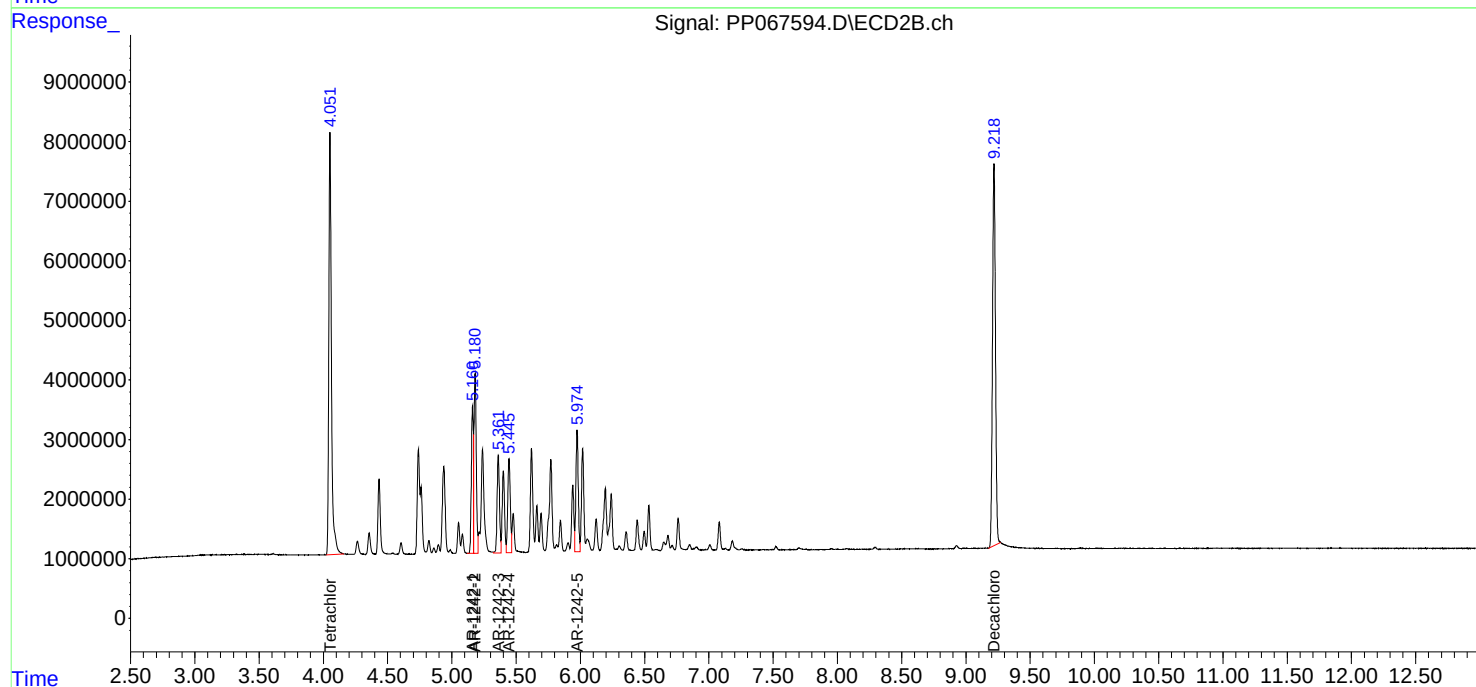
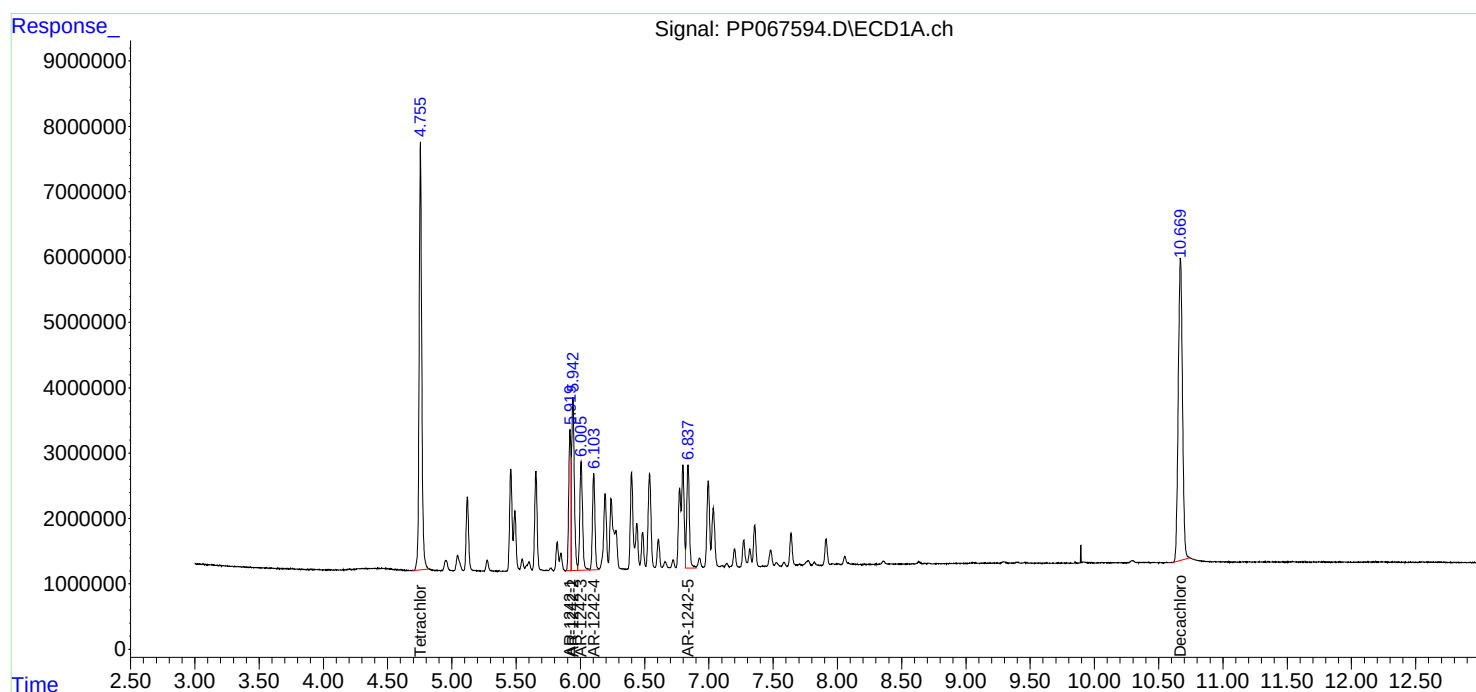
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:23
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:27:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067595.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 18:39
 Operator : YP\AJ
 Sample : AR1242ICC750
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 02:27:33 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:22:02 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.755	4.052	70898933	75665842	71.606	72.171
2) SA Decachlor...	10.668	9.219	82232389	80586319	69.477	70.430
Target Compounds						
16) L4 AR-1242-1	5.919	5.161	20265133	20927105	701.697	695.657
17) L4 AR-1242-2	5.942	5.181	29640040	28743138	708.698	703.535
18) L4 AR-1242-3	6.005	5.362	19473731	16384813	704.881	700.525
19) L4 AR-1242-4	6.104	5.445	15657914	17086039	711.074	693.602
20) L4 AR-1242-5	6.838	5.975	17483030	20589128	713.758	713.413

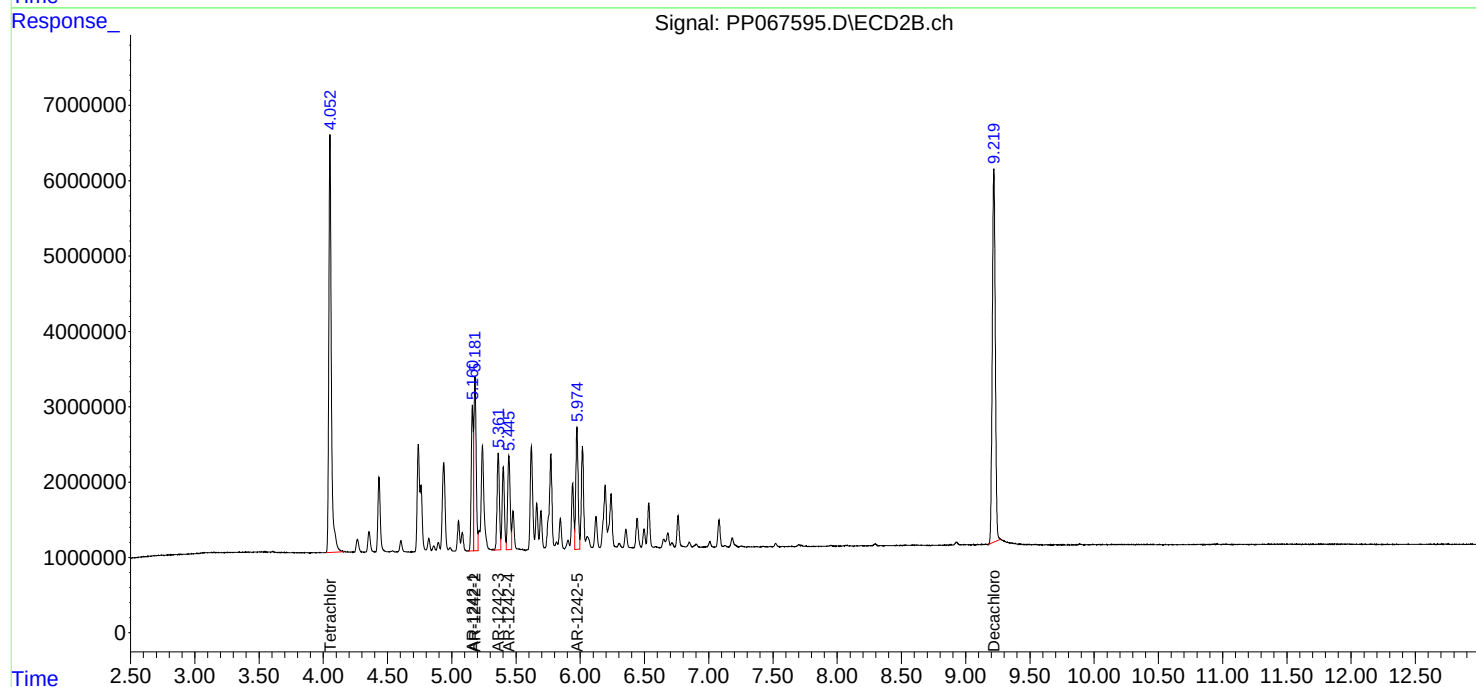
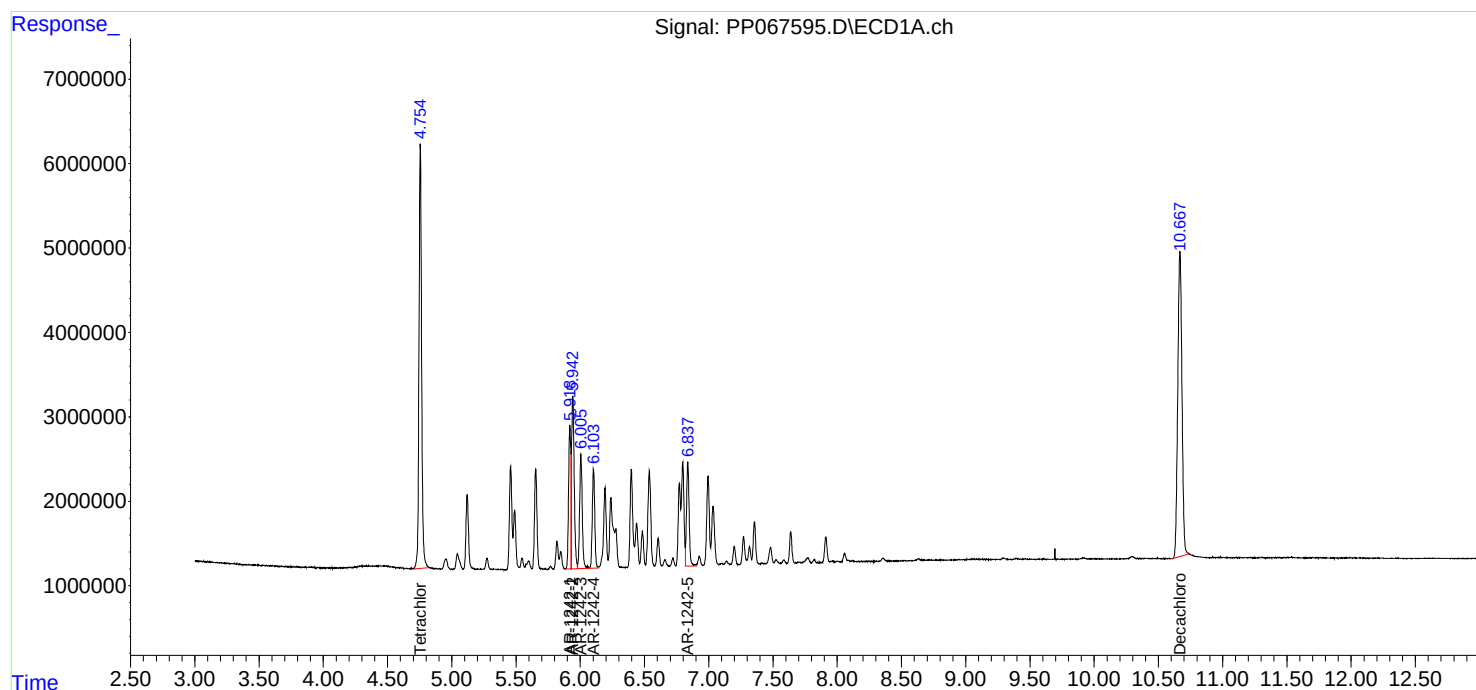
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:39
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:27:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC500

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 02:23:58 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:22:02 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.752	4.052	49591914	52421301	50.087m	50.000
2) SA Decachlor...	10.666	9.218	59179513	57209957	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	5.916	5.161	14440091	15041243	500.000	500.000
17) L4 AR-1242-2	5.939	5.181	20911603	20427651	500.000	500.000
18) L4 AR-1242-3	6.002	5.362	13813496	11694665	500.000	500.000
19) L4 AR-1242-4	6.101	5.445	11010041	12316890	500.000	500.000
20) L4 AR-1242-5	6.835	5.975	12247163	14430019	500.000	500.000

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

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

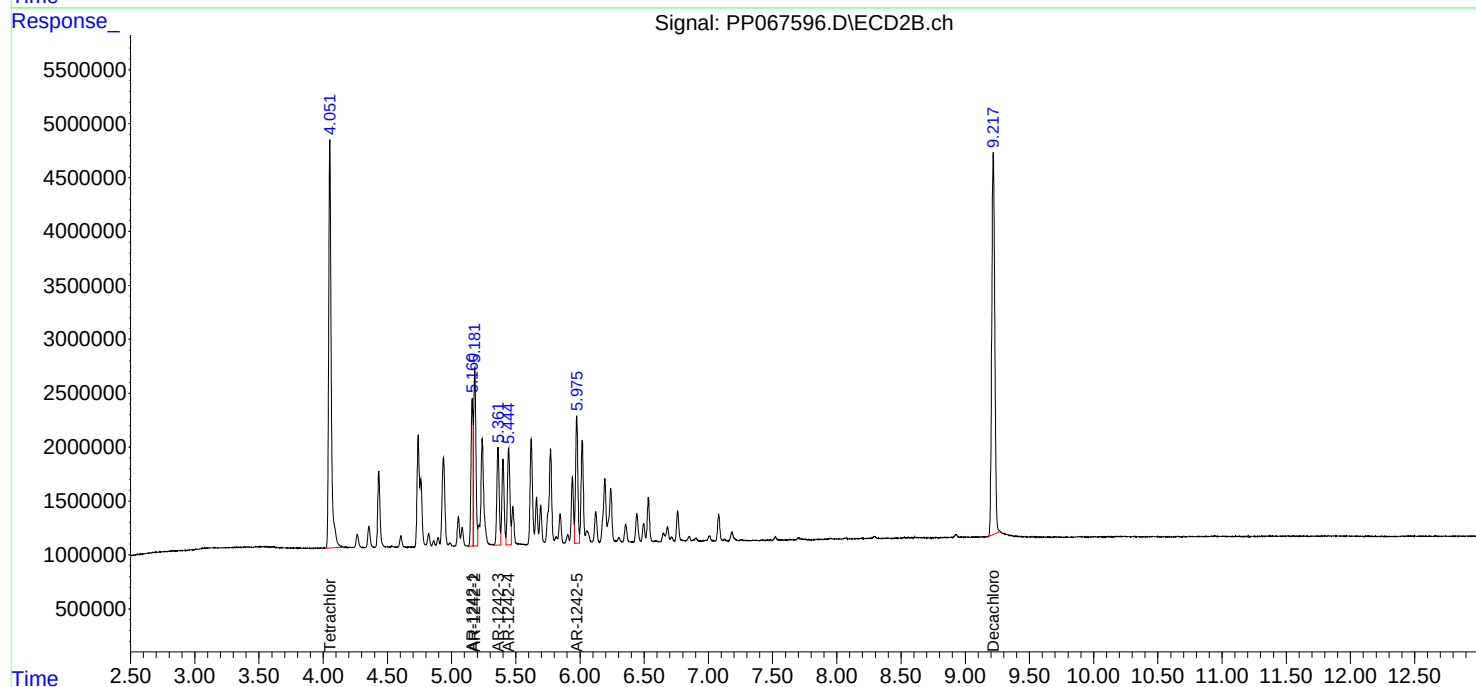
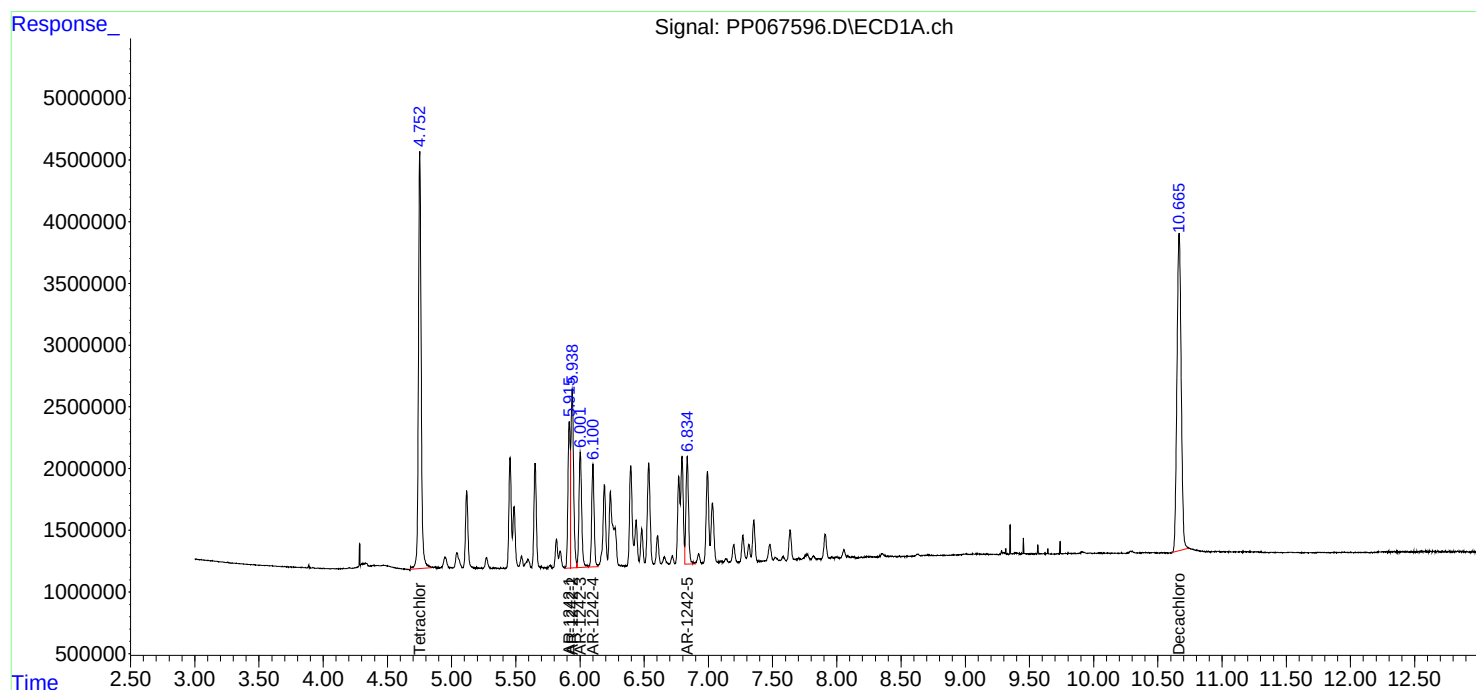
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:23:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067597.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 19:12
 Operator : YP\AJ
 Sample : AR1242ICC250
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 02:27:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:22:02 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.755	4.051	24714146	26992640	24.961	25.746
2) SA Decachlor...	10.666	9.218	31835407	30686591	26.897	26.819
Target Compounds						
16) L4 AR-1242-1	5.919	5.160	7532960	7966048	260.835	264.807
17) L4 AR-1242-2	5.942	5.181	10856012	10764640	259.569	263.482
18) L4 AR-1242-3	6.005	5.361	7003429	5902002	253.500	252.337
19) L4 AR-1242-4	6.103	5.444	5549729	6325659	252.030	256.788
20) L4 AR-1242-5	6.837	5.974	6362457	7698031	259.752	266.737

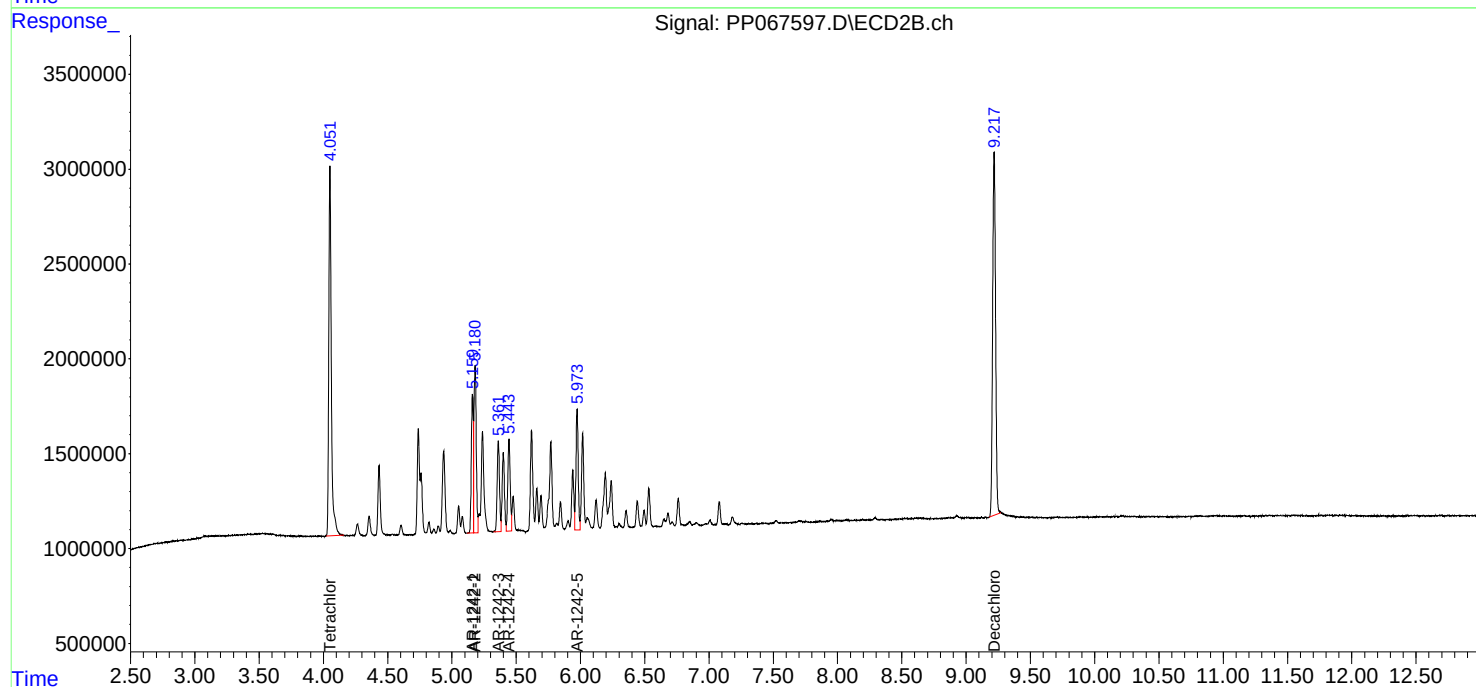
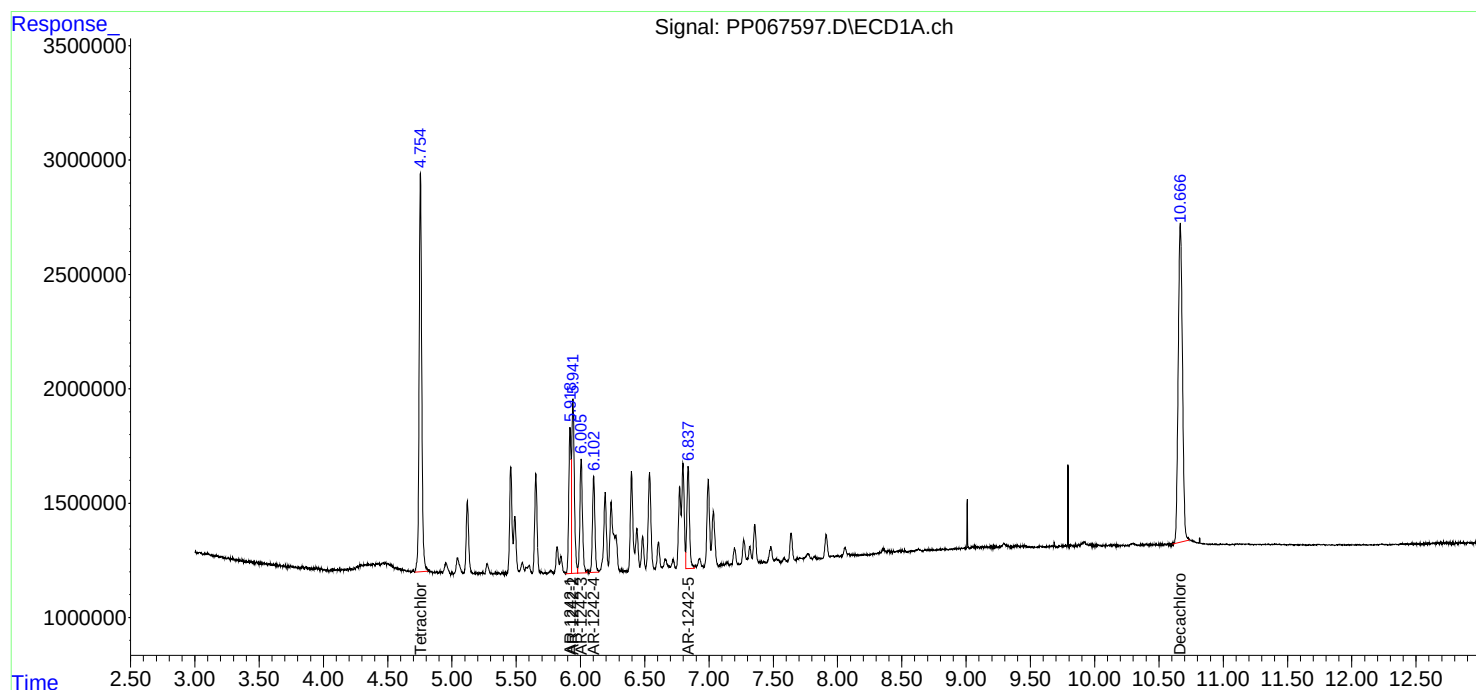
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:12
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:27:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC050

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 02:28:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:22:02 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.052	4223721	4977037	4.266m	4.747
2) SA Decachlor...	10.668	9.219	6053974	6041919	5.115	5.280
Target Compounds						
16) L4 AR-1242-1	5.918	5.161	1375850	1444472	47.640	48.017
17) L4 AR-1242-2	5.940	5.181	2042273	2066334	48.831	50.577
18) L4 AR-1242-3	6.005	5.362	1422150	1121076	51.477	47.931
19) L4 AR-1242-4	6.103	5.445	1111811	1203814	50.491	48.868
20) L4 AR-1242-5	6.836	5.975	1235510	1511927	50.441	52.388

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

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

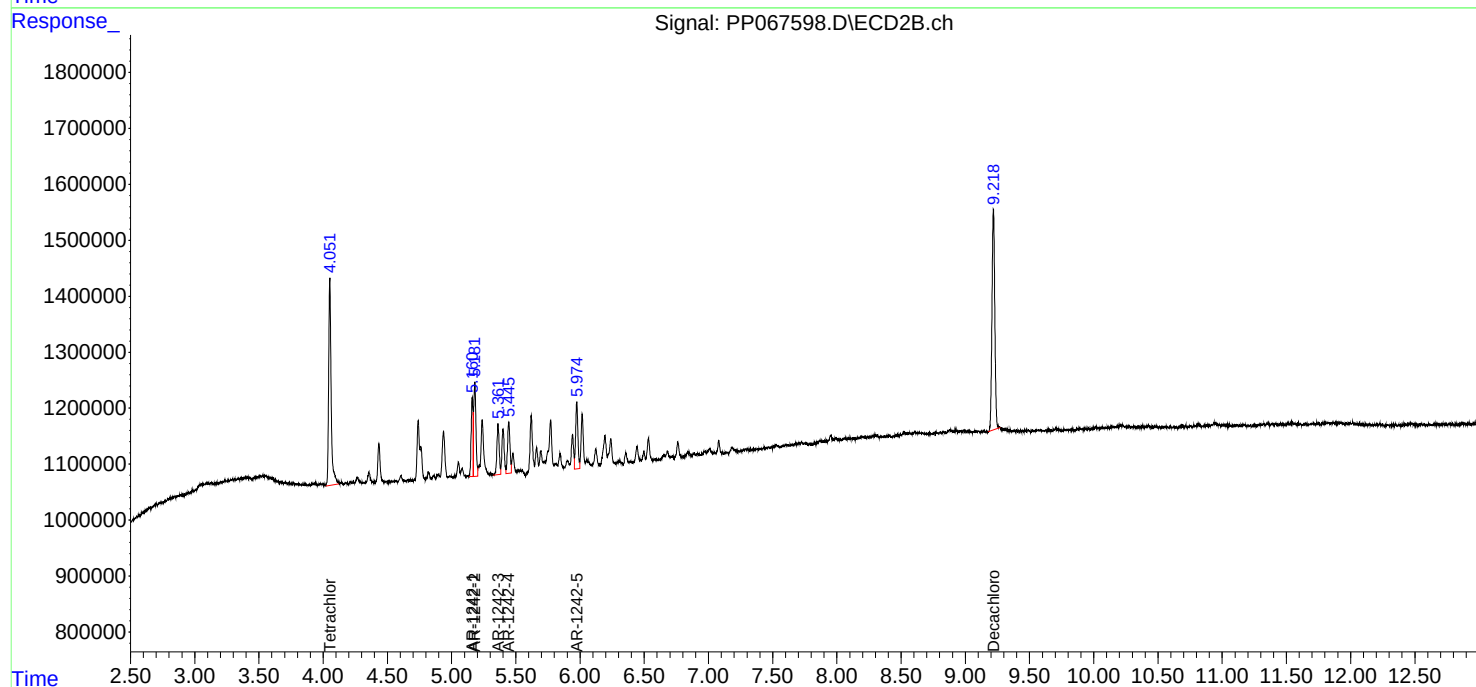
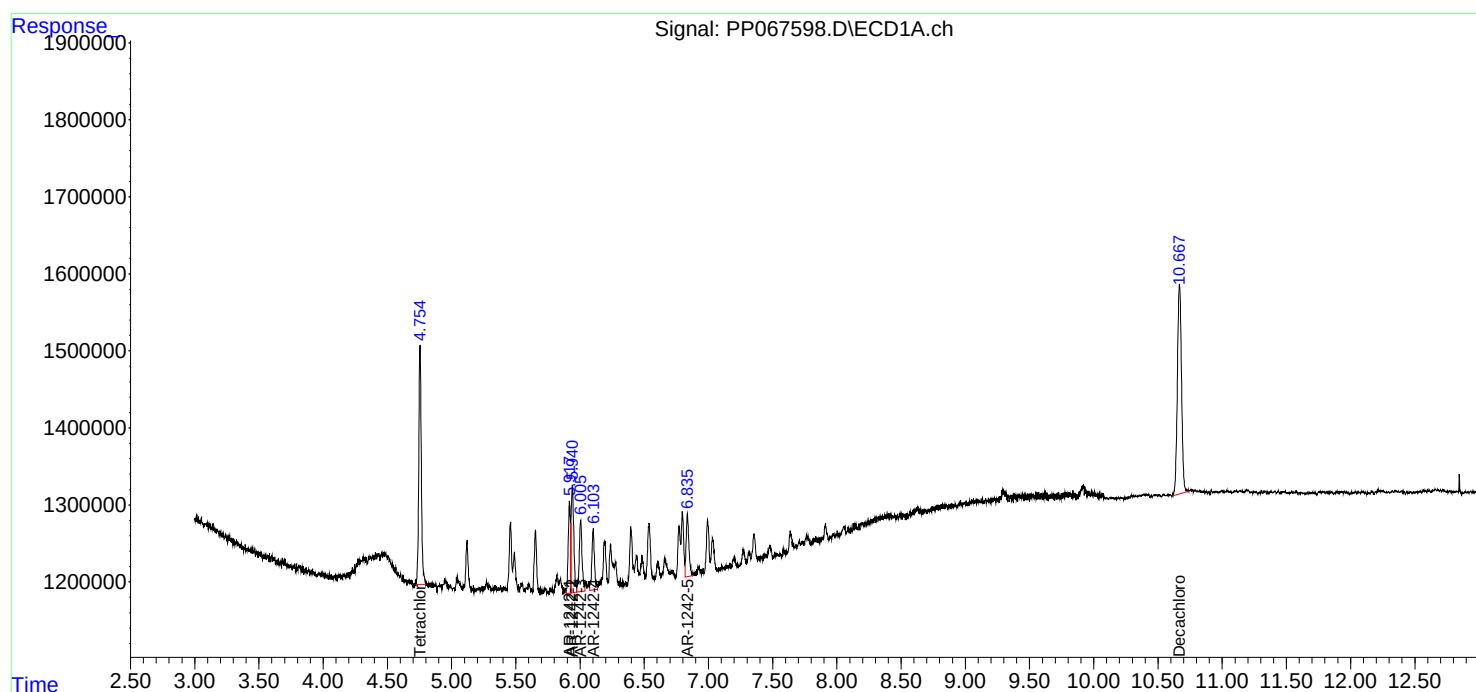
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:28:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067599.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 19:44
 Operator : YP\AJ
 Sample : AR1248ICC1000
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 02:54:33 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:51:34 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.052	90214696	95265612	94.578	95.209
2) SA Decachlor...	10.665	9.217	105.5E6	103.2E6	90.237	91.240
Target Compounds						
21) L5 AR-1248-1	5.917	5.160	19592099	20323070	894.603	888.868
22) L5 AR-1248-2	6.192	5.400	29912773	29599820	872.727	892.276
23) L5 AR-1248-3	6.396	5.444	33038688	31098926	878.150	896.577
24) L5 AR-1248-4	6.797	5.619	36925252	36529837	883.372	905.795
25) L5 AR-1248-5	6.837	6.017	36740691	34201195	896.464	909.218

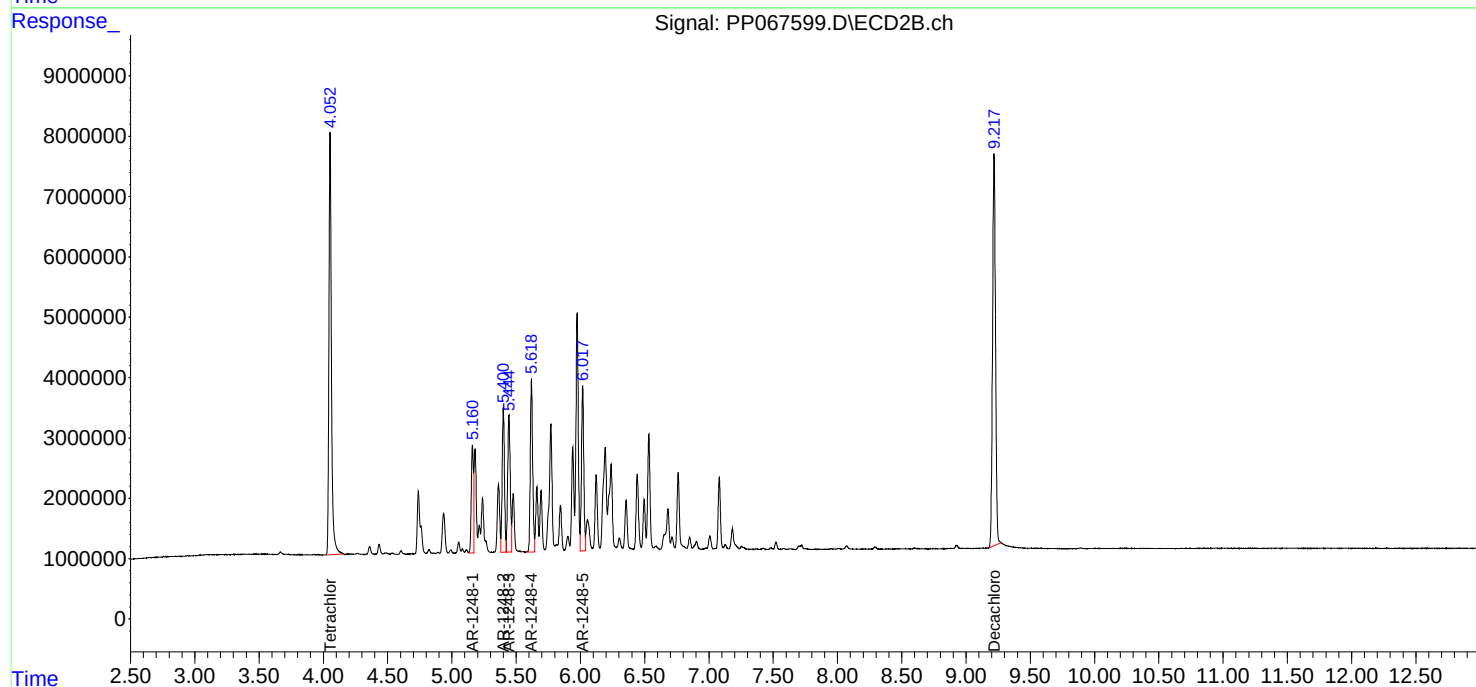
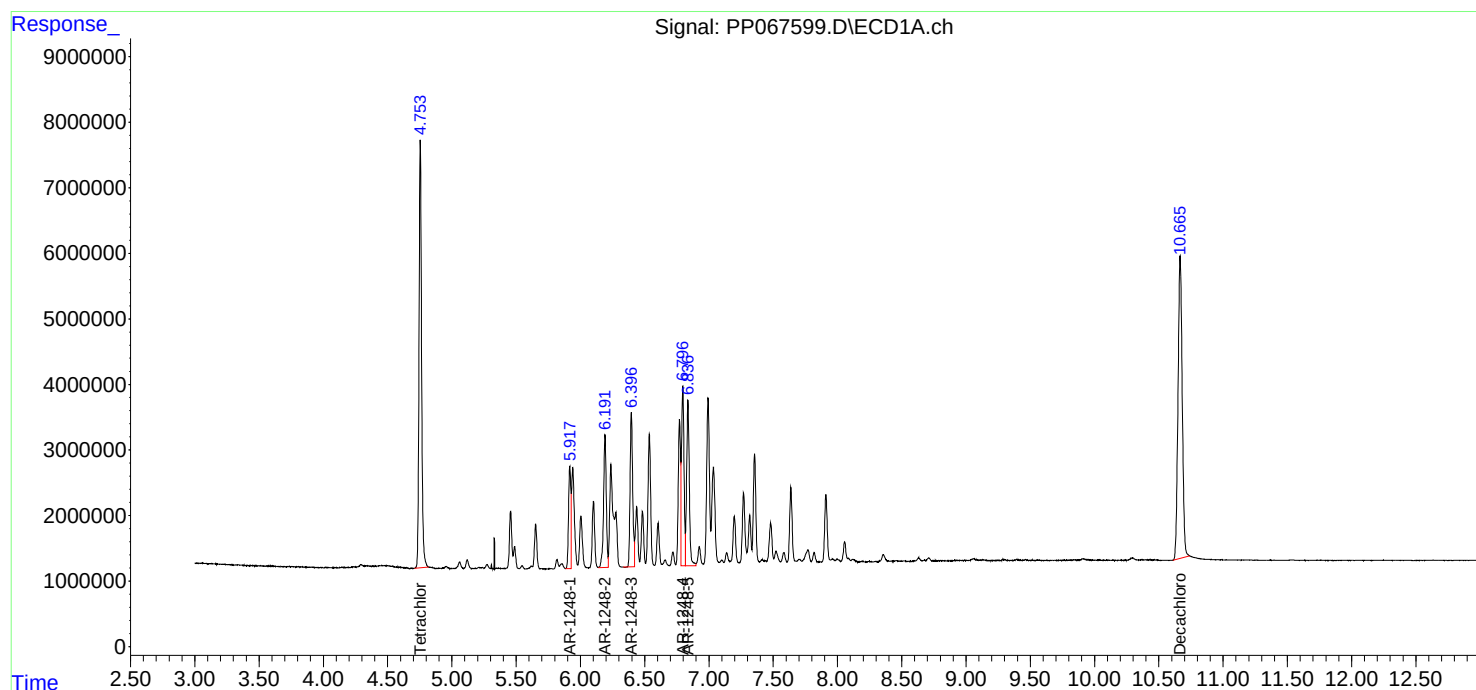
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:44
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:54:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067600.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 20:00
 Operator : YP\AJ
 Sample : AR1248ICC750
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 02:54:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:51:34 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.052	69493624	74624596	72.855	74.581
2) SA Decachlor...	10.666	9.218	83225039	80485343	71.154	71.134
Target Compounds						
21) L5 AR-1248-1	5.917	5.160	15890474	16419683	725.581	718.146
22) L5 AR-1248-2	6.191	5.401	24196945	23698997	705.963	714.398
23) L5 AR-1248-3	6.396	5.445	26508671	24837498	704.586	716.061
24) L5 AR-1248-4	6.796	5.619	29562331	29080592	707.227	721.084
25) L5 AR-1248-5	6.837	6.017	29214949	26933596	712.838	716.014

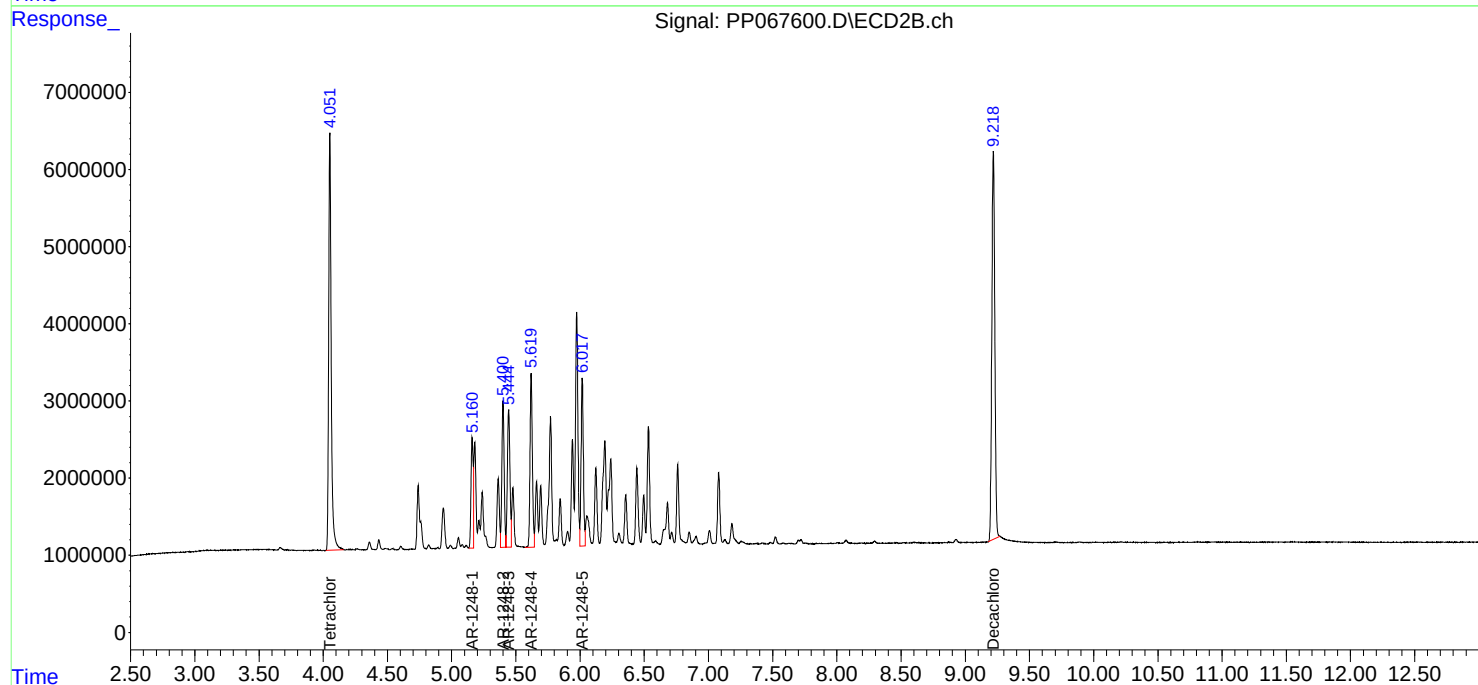
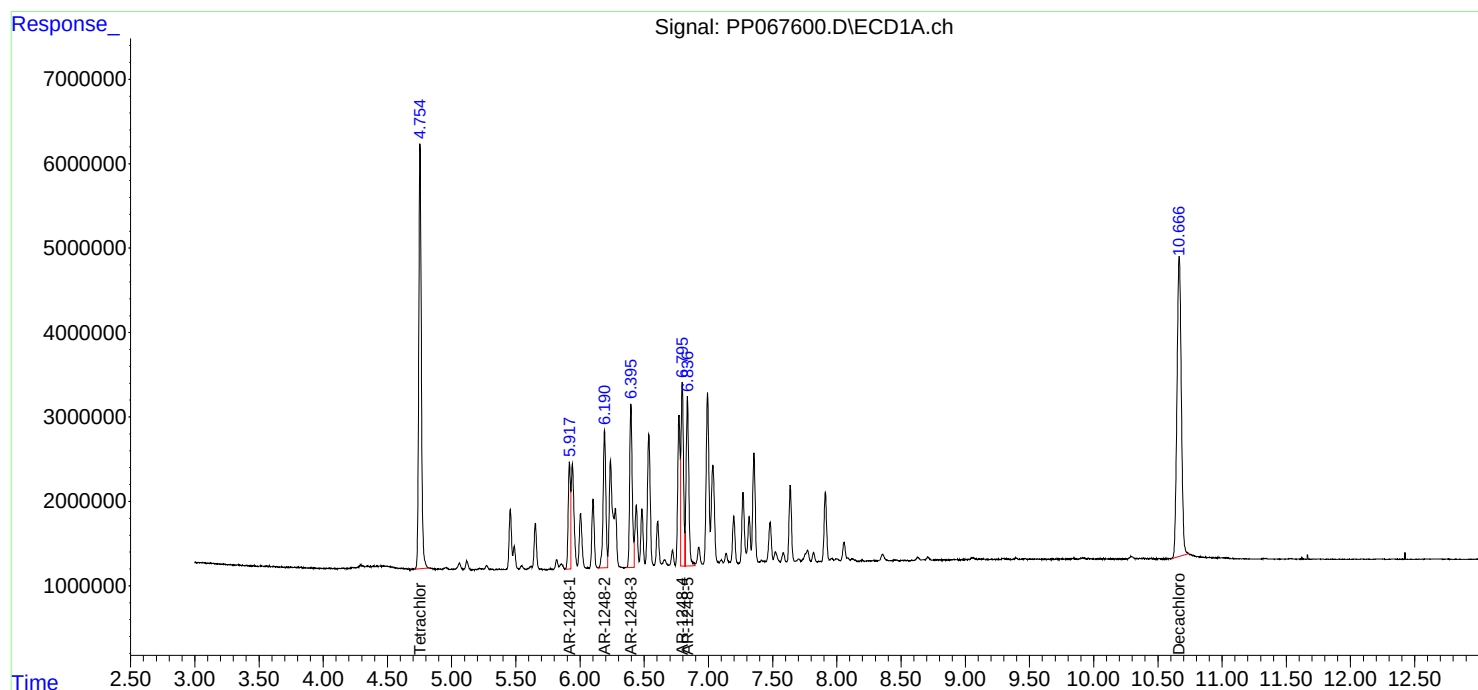
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:00
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:54:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067601.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 20:16
 Operator : YP\AJ
 Sample : AR1248ICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 02:55:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:51:34 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.052	47693362	50029562	50.000	50.000
2) SA Decachlor...	10.666	9.217	58482460	56573282	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	5.917	5.160	10950168	11431997	500.000	500.000
22) L5 AR-1248-2	6.191	5.400	17137536	16586689	500.000	500.000
23) L5 AR-1248-3	6.396	5.443	18811532	17343136	500.000	500.000
24) L5 AR-1248-4	6.796	5.618	20900161	20164510	500.000	500.000
25) L5 AR-1248-5	6.836	6.017	20492008	18808021	500.000	500.000

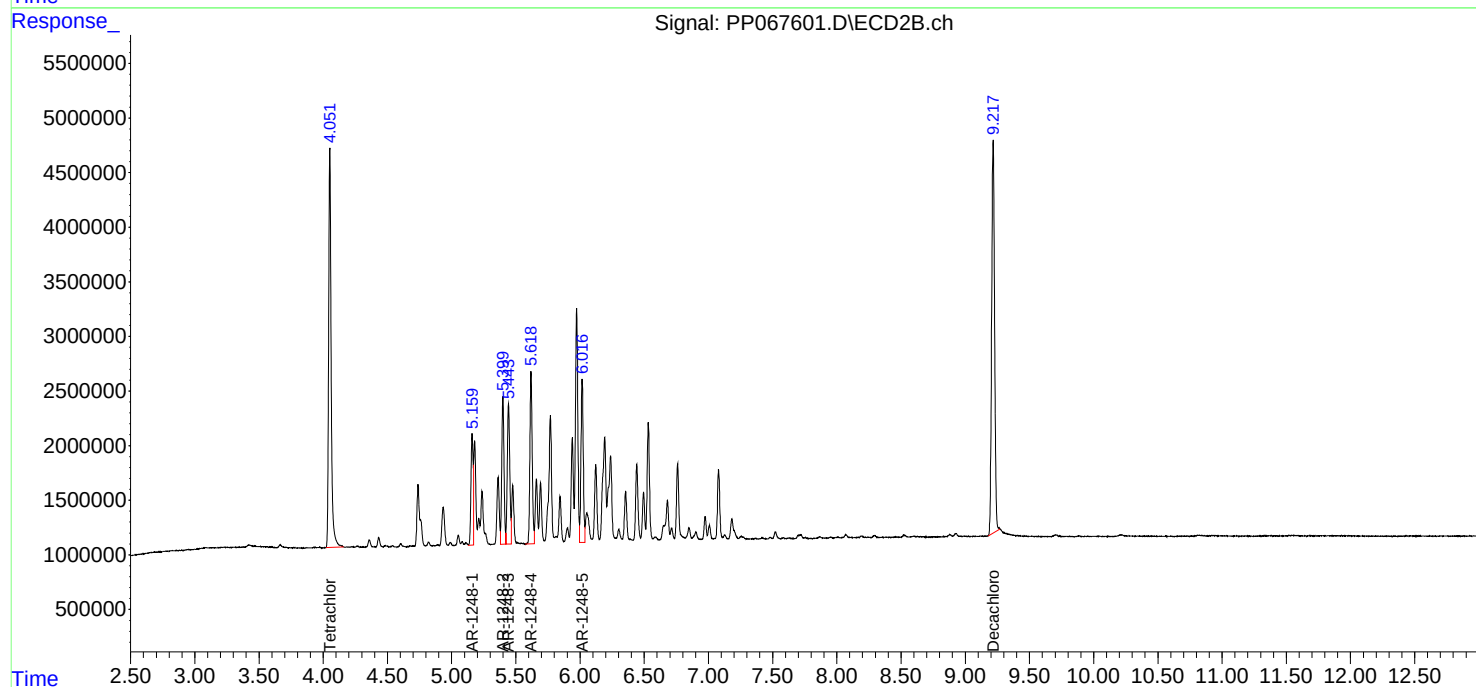
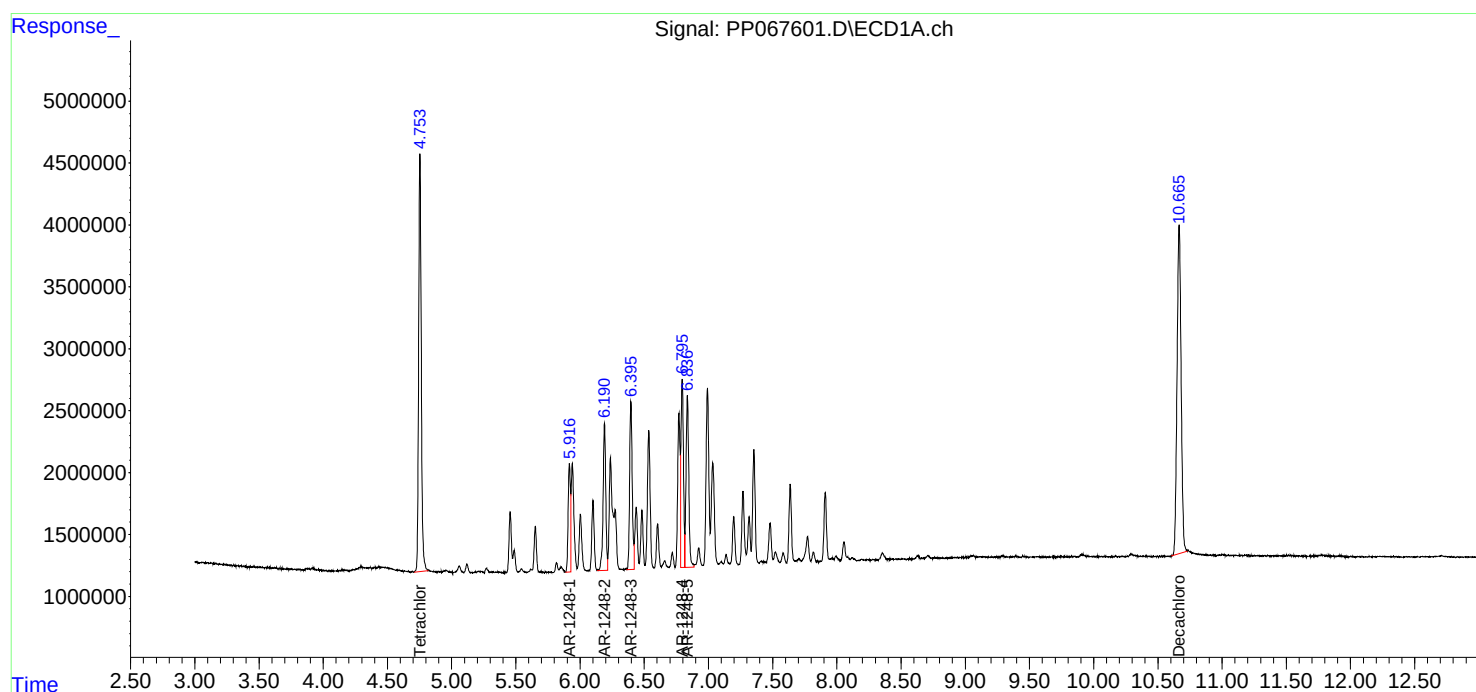
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:16
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:55:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067602.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 20:32
 Operator : YP\AJ
 Sample : AR1248ICC250
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 02:55:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:51:34 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.052	24808977	26704709	26.009	26.689
2) SA Decachlor...	10.668	9.218	32052950	30387635	27.404	26.857
Target Compounds						
21) L5 AR-1248-1	5.918	5.161	5912354	6018915	269.966	263.249
22) L5 AR-1248-2	6.192	5.400	9231645	9030416	269.340	272.219
23) L5 AR-1248-3	6.397	5.444	10139576	9394157	269.504	270.832
24) L5 AR-1248-4	6.797	5.619	11182231	11056295	267.515	274.152
25) L5 AR-1248-5	6.836	6.017	10945412	10118471	267.065	268.994

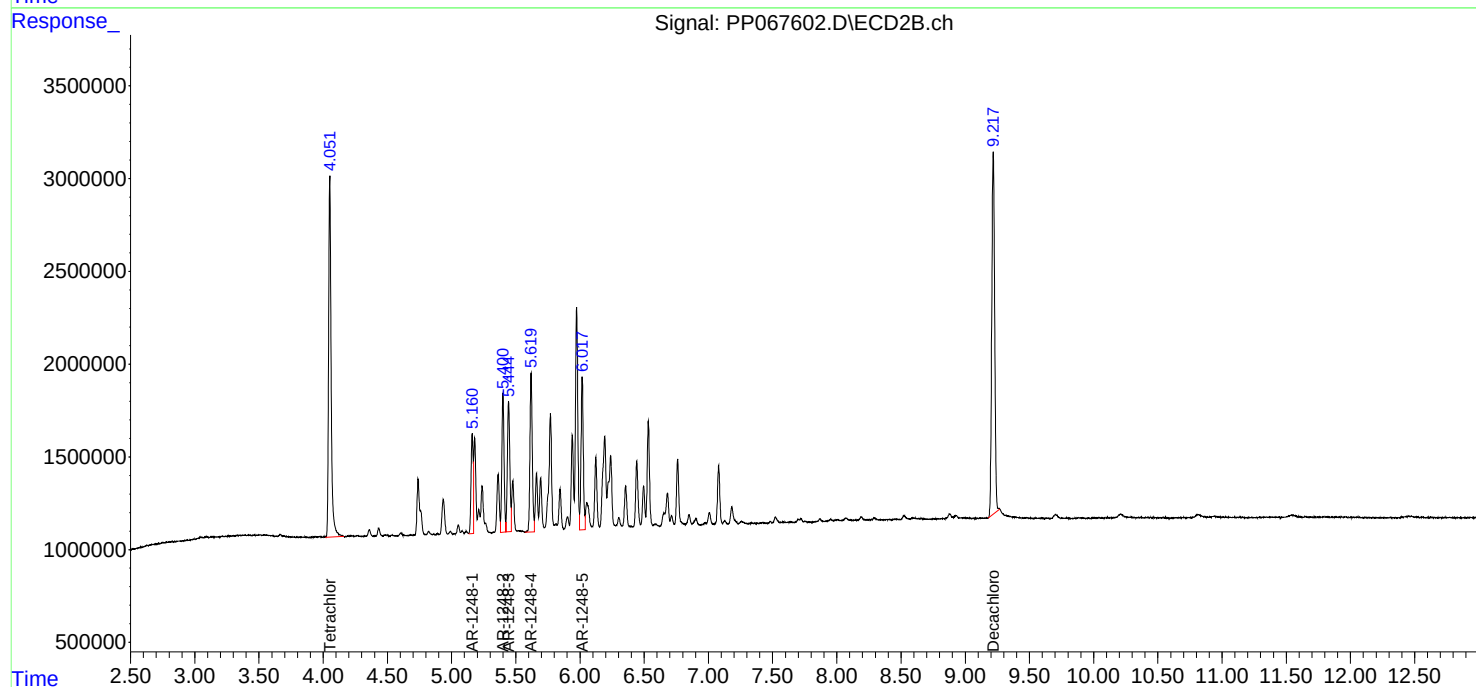
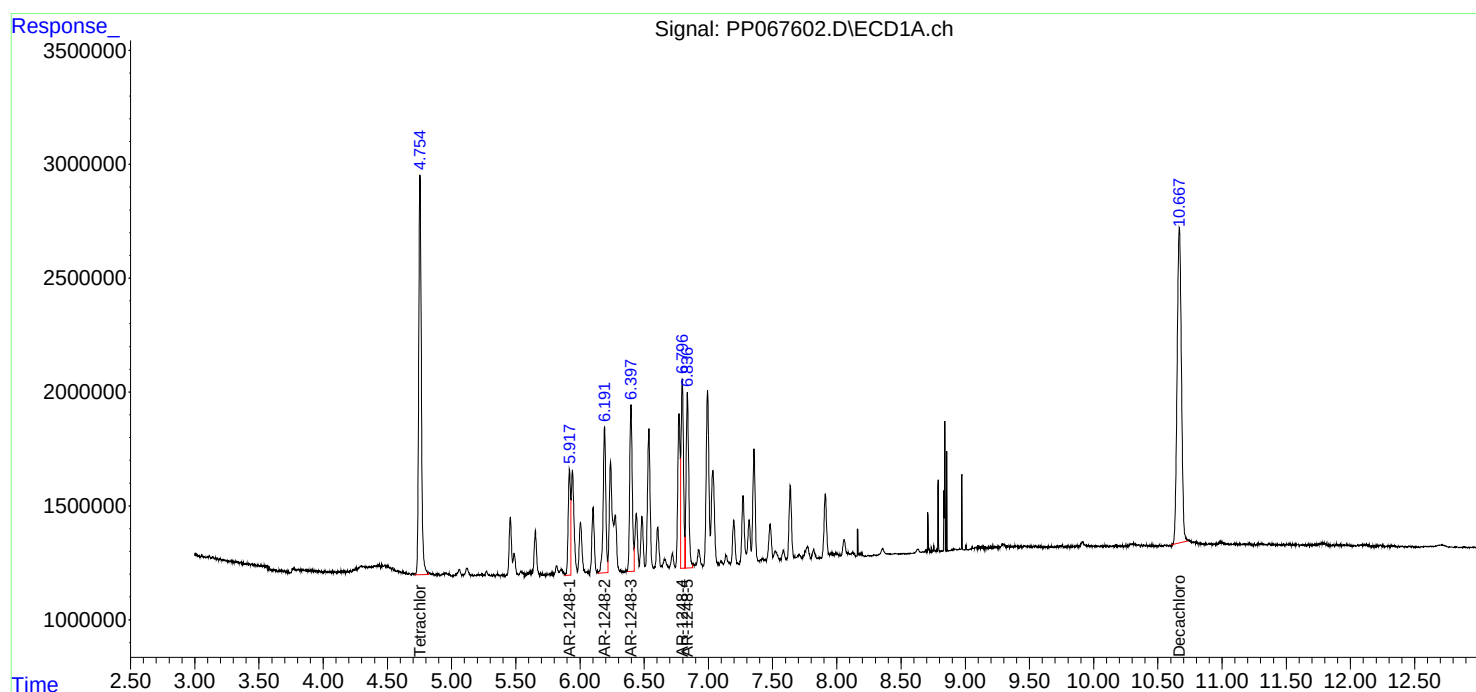
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:32
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:55:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
 Data File : PP067603.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Oct 2024 20:49
 Operator : YP\AJ
 Sample : AR1248ICC050
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 02:55:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:51:34 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.753	4.051	4475784	4955188	4.692	4.952
2) SA Decachlor...	10.664	9.218	6512447	6206078	5.568	5.485
Target Compounds						
21) L5 AR-1248-1	5.918	5.161	1039264	1208163	47.454	52.841
22) L5 AR-1248-2	6.190	5.401	1735318	1749277	50.629	52.731
23) L5 AR-1248-3	6.396	5.445	1828118	1794734	48.590	51.742
24) L5 AR-1248-4	6.796	5.619	1969132	2246071	47.108	55.694
25) L5 AR-1248-5	6.835	6.017	1892267	1950657	46.171	51.857

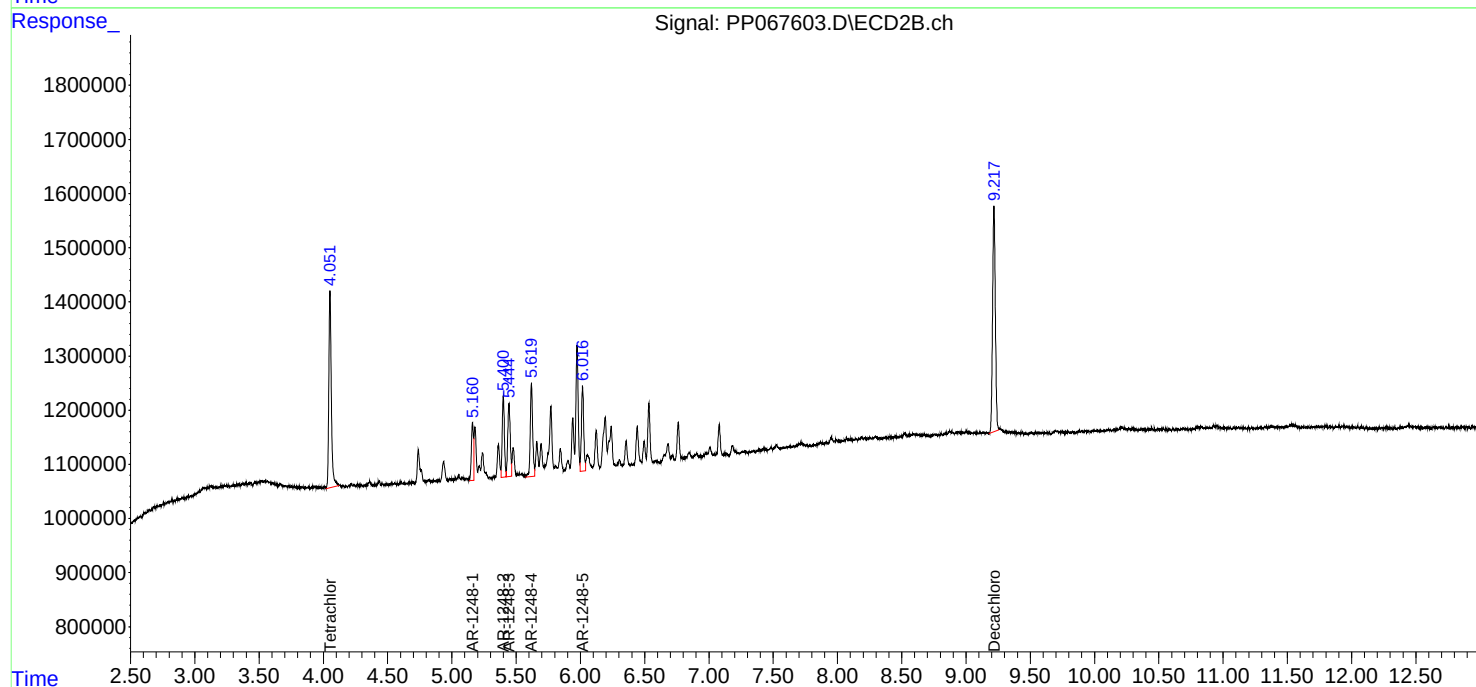
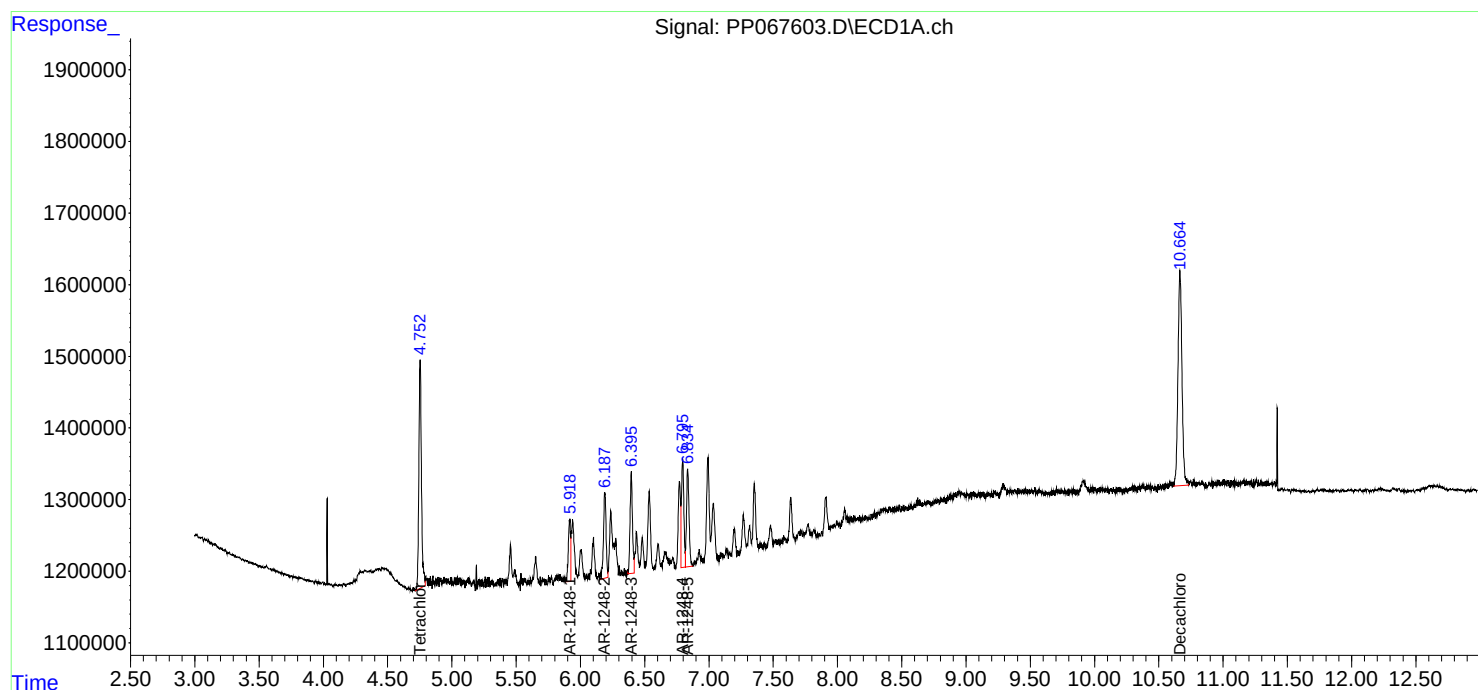
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:49
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:55:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 03:25:14 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 03:24:30 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.755	4.052	93136358	96989057	97.408	93.351
2) SA Decachlor...	10.668	9.218	106.8E6	104.1E6	90.386	91.127
Target Compounds						
26) L6 AR-1254-1	6.774	5.976	40350769	53478224	891.057	907.039
27) L6 AR-1254-2	6.992	6.123	59814731	47135286	909.208	903.899
28) L6 AR-1254-3	7.356	6.533	64043672	76675976	922.974	921.526
29) L6 AR-1254-4	7.639	6.761	45989306	44235570	916.896	914.644
30) L6 AR-1254-5	8.057	7.183	54192853	68142947	907.279	923.842

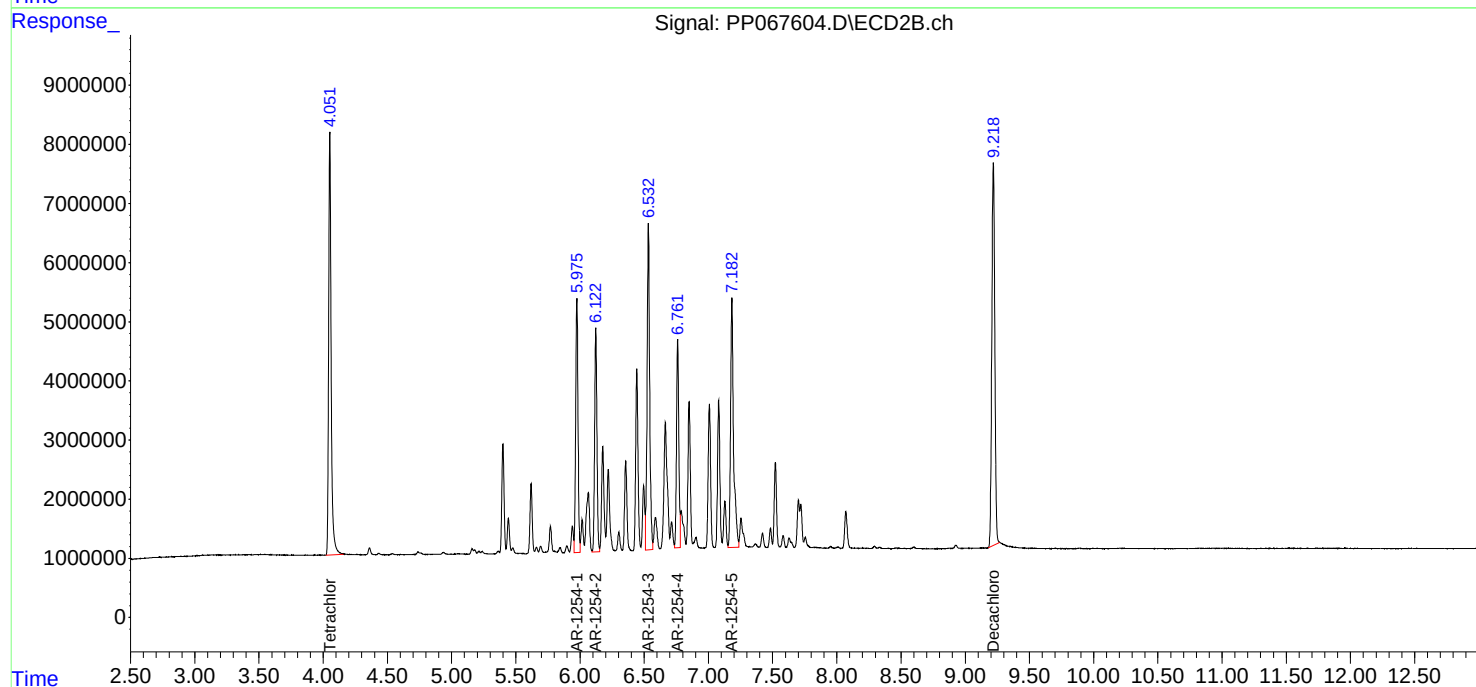
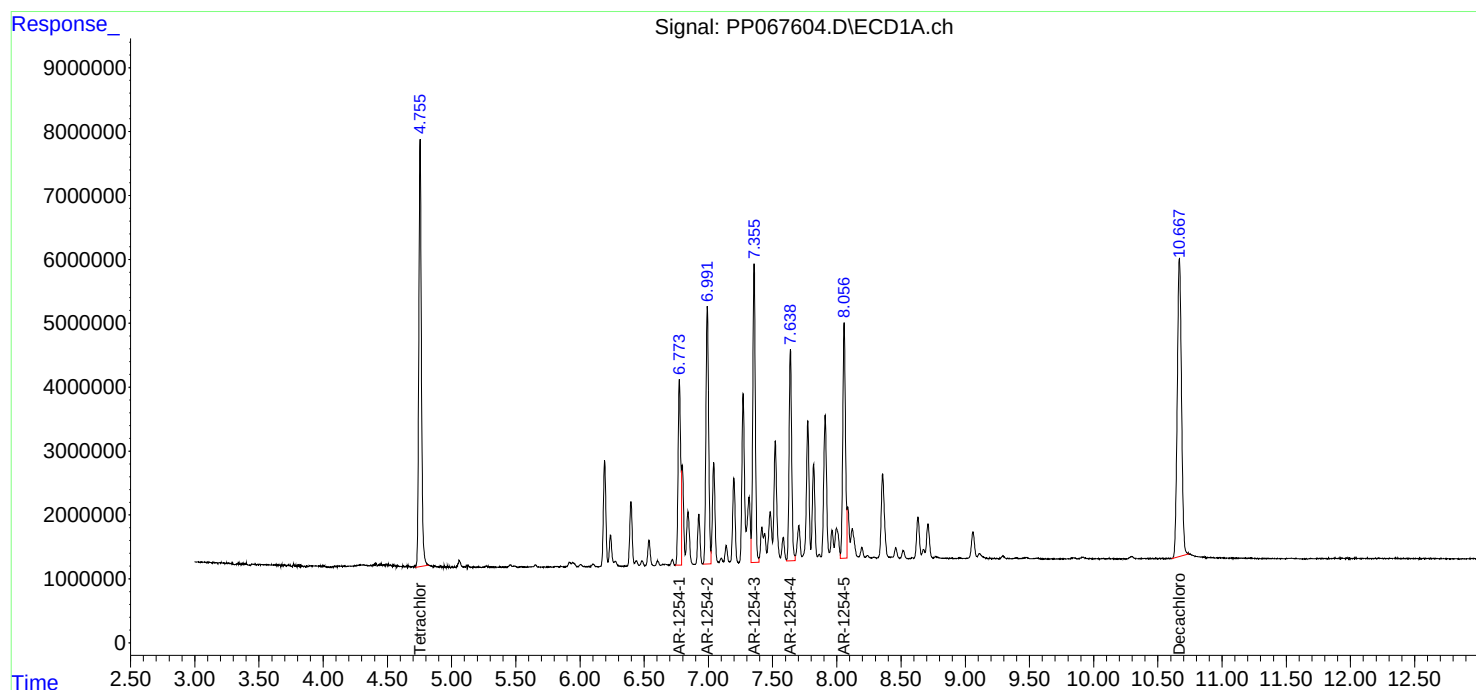
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC750

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 03:25:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 03:24:30 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.753	4.051	70192351	74352040	73.411	71.563
2) SA Decachlor...	10.667	9.217	82958706	81163692	70.176	71.038
Target Compounds						
26) L6 AR-1254-1	6.773	5.974	31561919	41171965	696.975	698.314
27) L6 AR-1254-2	6.990	6.122	46597143	36504234	708.296	700.030
28) L6 AR-1254-3	7.355	6.532	49373386	58927028	711.552	708.211
29) L6 AR-1254-4	7.637	6.760	35595125	34454732	709.666	712.409
30) L6 AR-1254-5	8.055	7.181	42804650	53003573	716.622m	718.591

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

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

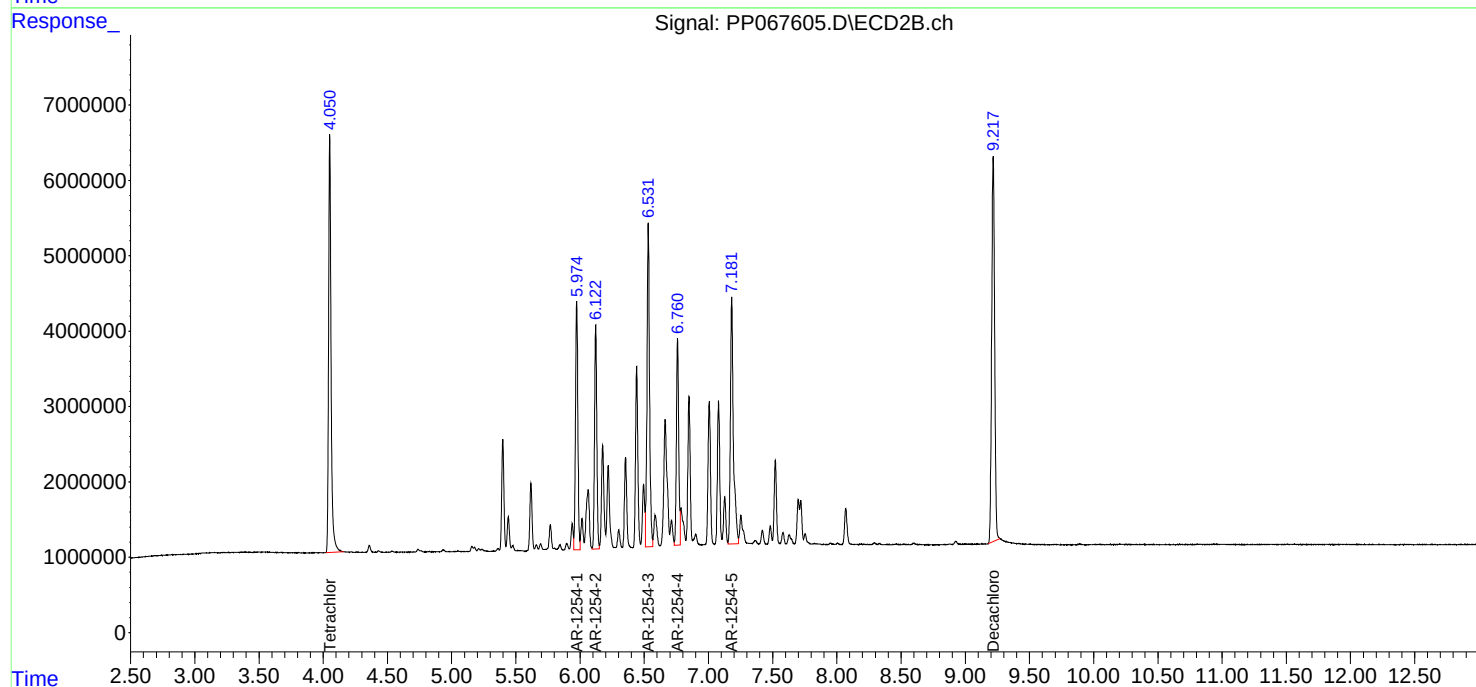
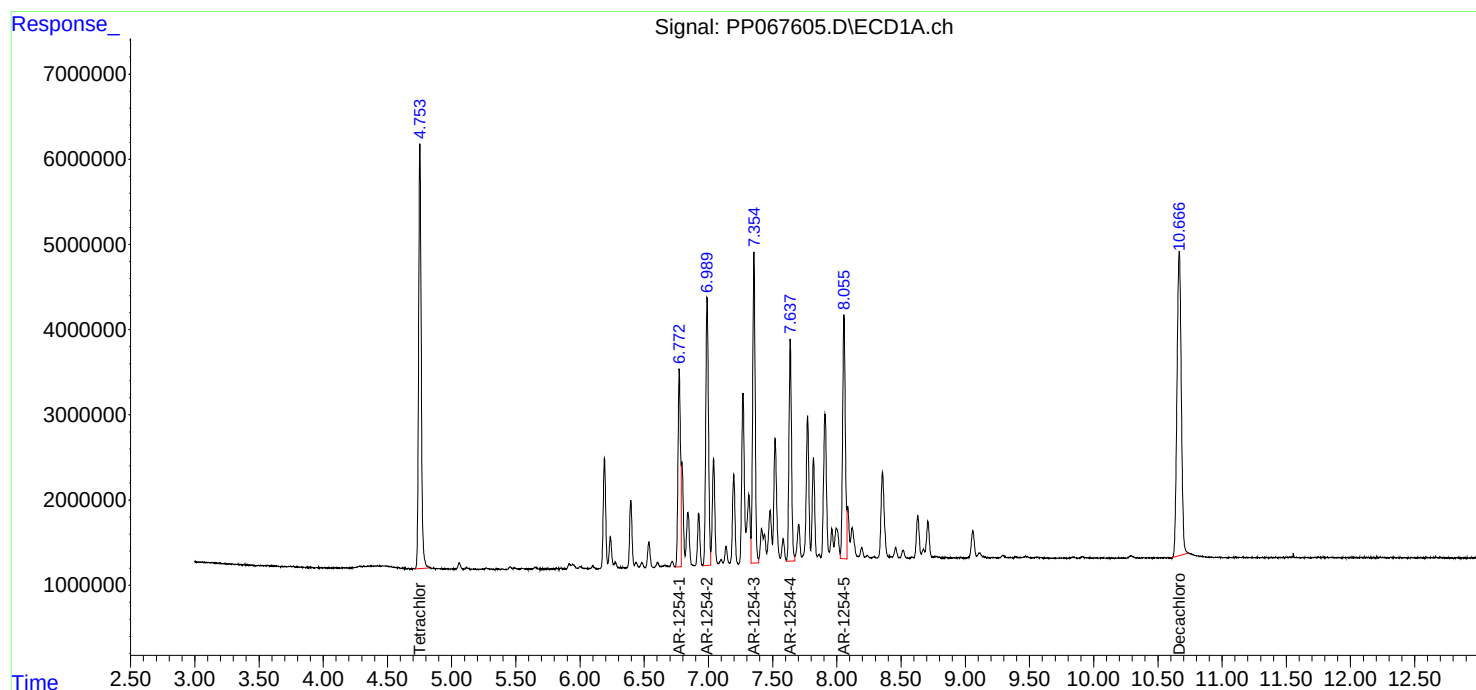
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC500

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 03:25:48 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 03:24:30 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.052	47807478	51948776	50.000	50.000
2) SA Decachlor...	10.665	9.217	59107523	57126860	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	6.773	5.975	22642078	29479569	500.000	500.000
27) L6 AR-1254-2	6.990	6.122	32893849	26073326	500.000	500.000
28) L6 AR-1254-3	7.354	6.532	34694173	41602708	500.000	500.000
29) L6 AR-1254-4	7.637	6.760	25078789	24181840	500.000	500.000
30) L6 AR-1254-5	8.055	7.182	29926276	36880207	501.016m	500.000

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

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

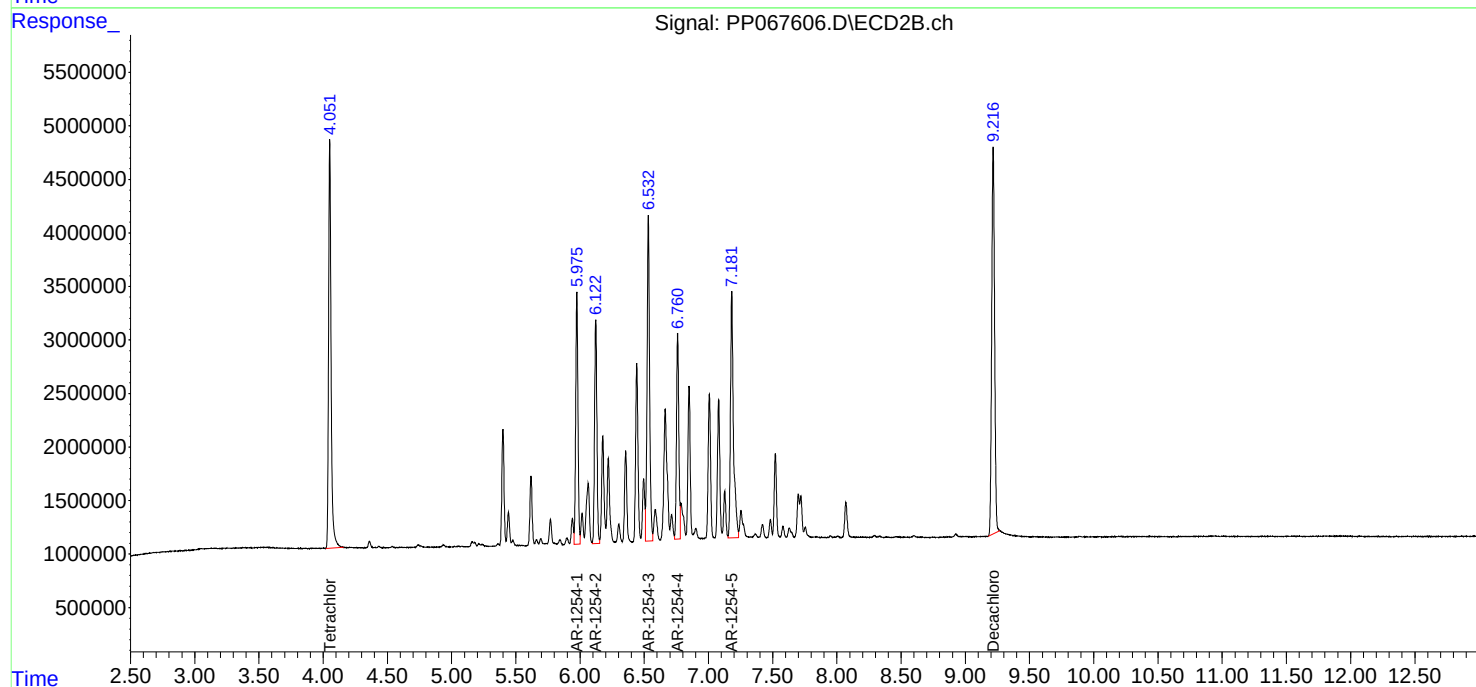
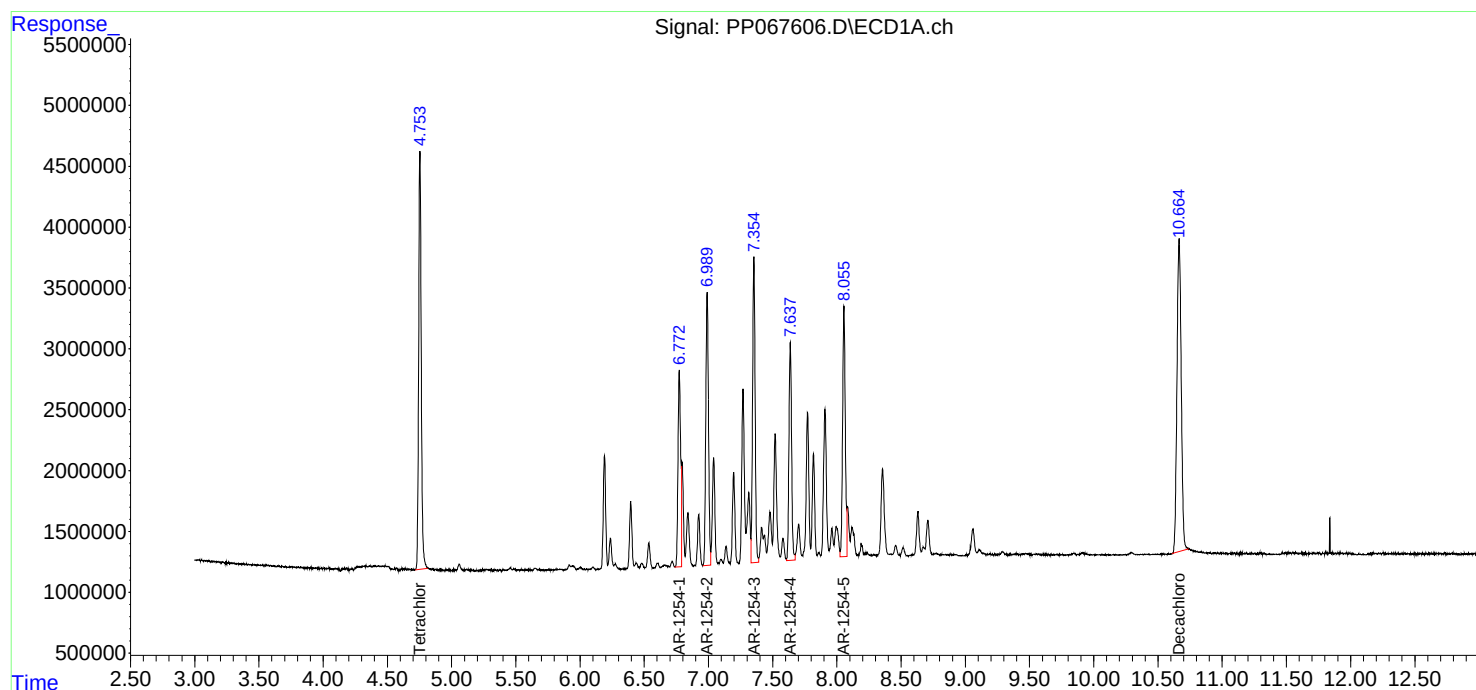
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 03:26:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 03:24:30 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.052	24728991	26617685	25.863	25.619
2) SA Decachlor...	10.667	9.218	32450308	31106143	27.450	27.225
Target Compounds						
26) L6 AR-1254-1	6.773	5.975	12217138	16021364	269.788	271.737
27) L6 AR-1254-2	6.990	6.123	17906285	14230610	272.183	272.896
28) L6 AR-1254-3	7.355	6.533	18695673	22271744	269.435	267.672
29) L6 AR-1254-4	7.637	6.761	13605001	12984675	271.245	268.480
30) L6 AR-1254-5	8.056	7.182	16027101	19703311	268.321	267.126

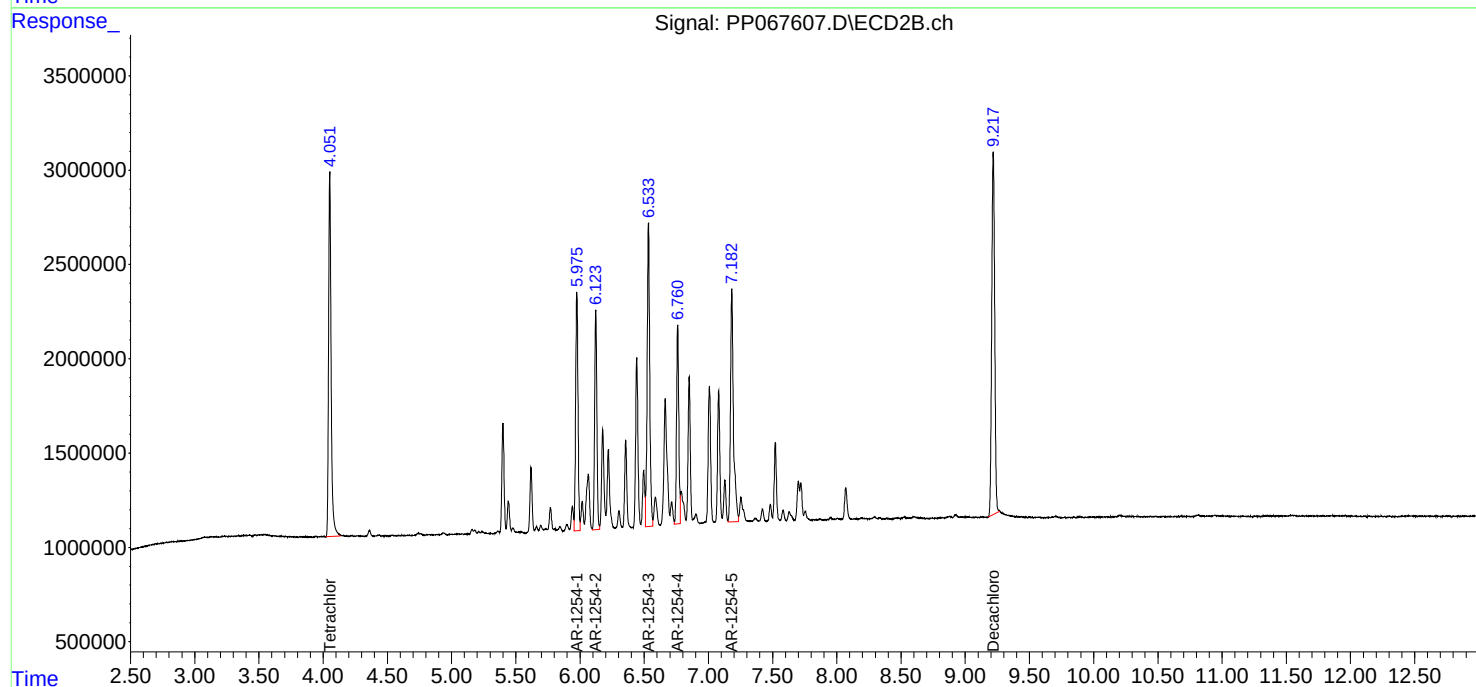
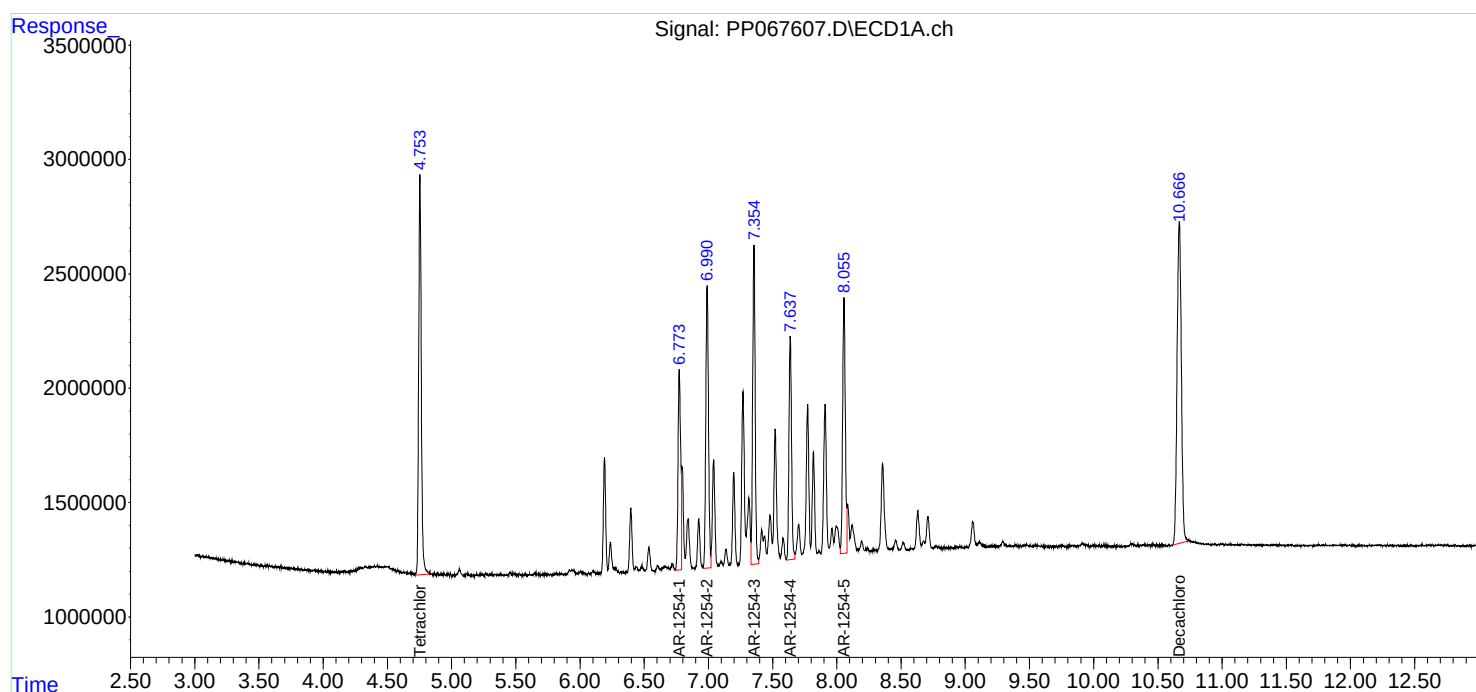
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:26:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC050

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 03:26:22 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 03:24:30 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.753	4.052	4394026	4972328	4.596	4.786
2) SA Decachlor...	10.664	9.218	6314277	6350903	5.341	5.559
Target Compounds						
26) L6 AR-1254-1	6.772	5.976	2366321	3200036	52.255m	54.275
27) L6 AR-1254-2	6.990	6.123	3556583	2872212	54.062	55.080
28) L6 AR-1254-3	7.355	6.533	3660885	4425126	52.759	53.183
29) L6 AR-1254-4	7.637	6.760	2574785	2544683	51.334	52.616m
30) L6 AR-1254-5	8.056	7.182	3061843	3818409	51.260	51.768

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

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

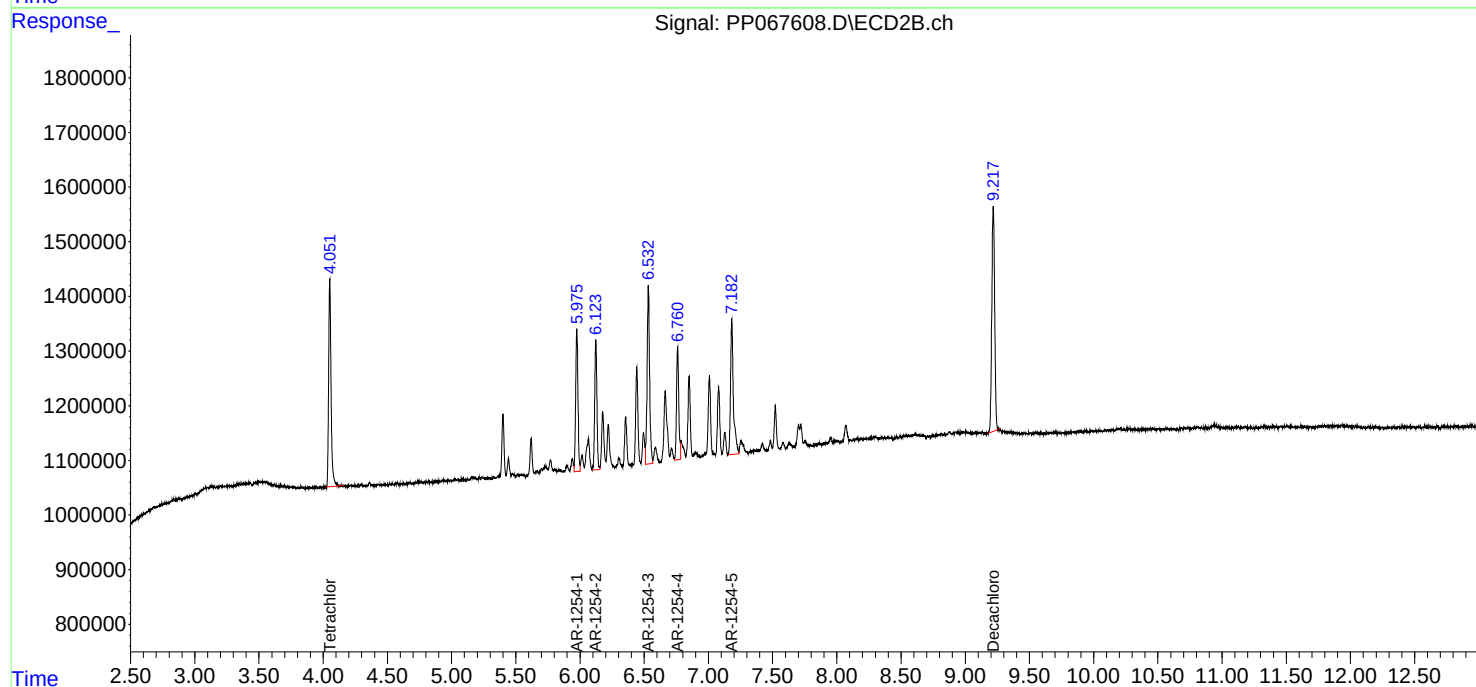
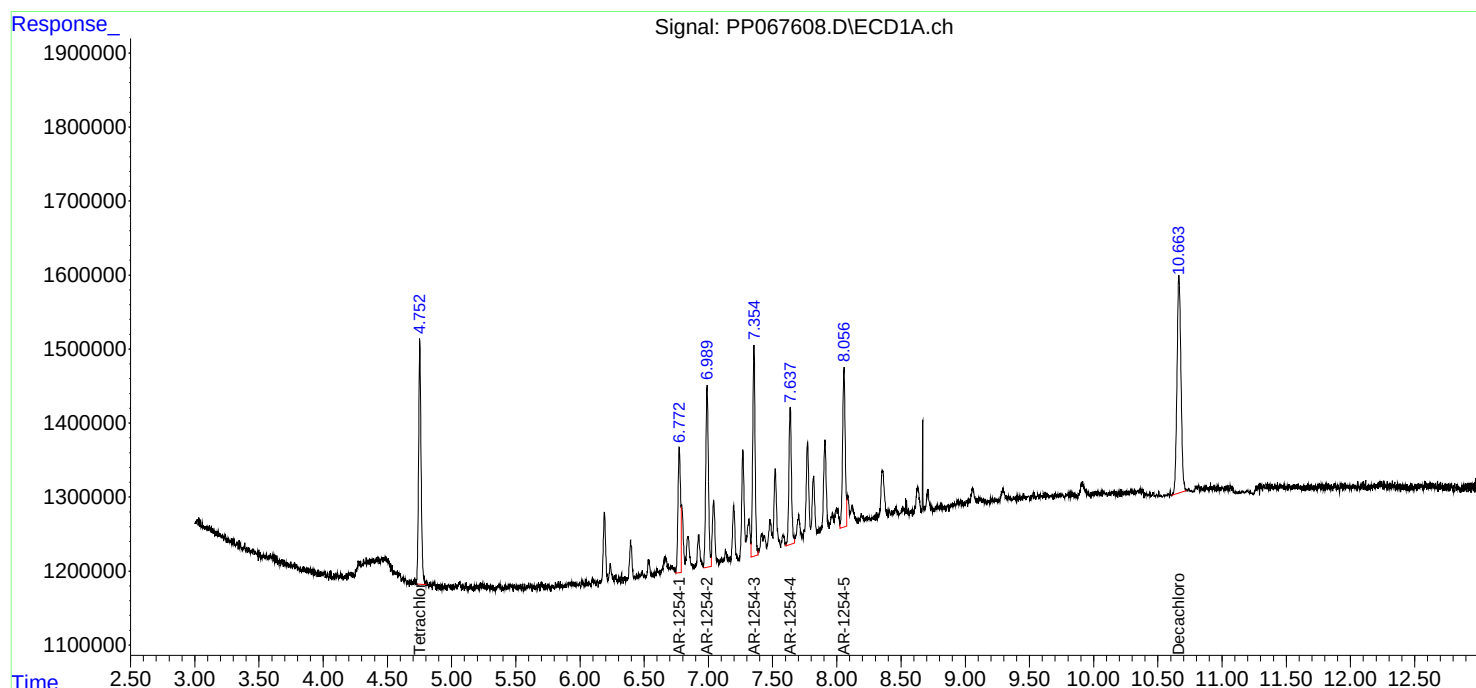
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:26:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_P
 ClientSampleId :
 AR1262ICC500

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 04:02:26 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 04:00:50 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.753	4.051	46189834	49400193	50.000	50.000
2) SA Decachlor...	10.664	9.217	57664981	56385121	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	8.373	7.219	35885658	39336733	500.000	500.000
37) L8 AR-1262-2	8.709	7.482	60790127	35481005	500.000	500.000
38) L8 AR-1262-3	9.048	8.007	44257142	28549651	500.670m	500.000
39) L8 AR-1262-4	9.140	8.070	34972436	50218224	500.000	500.000
40) L8 AR-1262-5	9.842	8.598	23395635	25008878	500.000	500.000

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

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

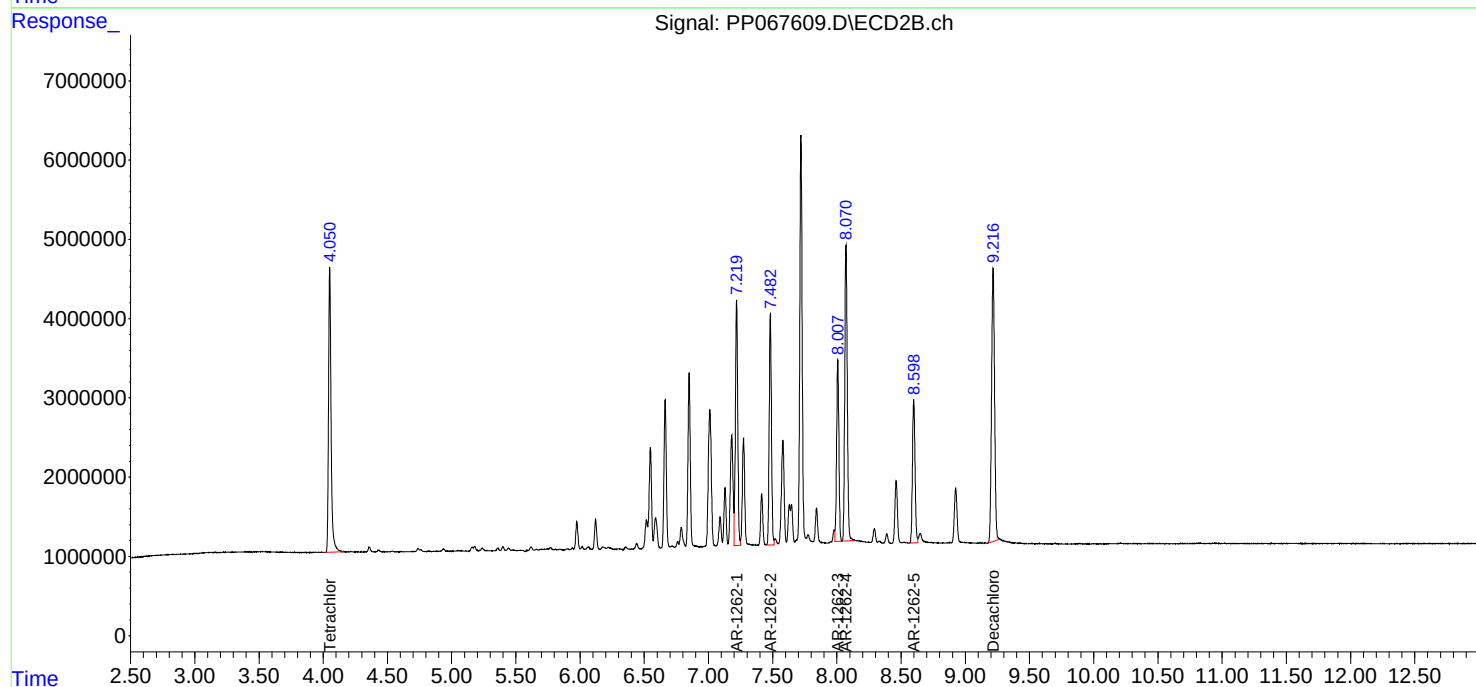
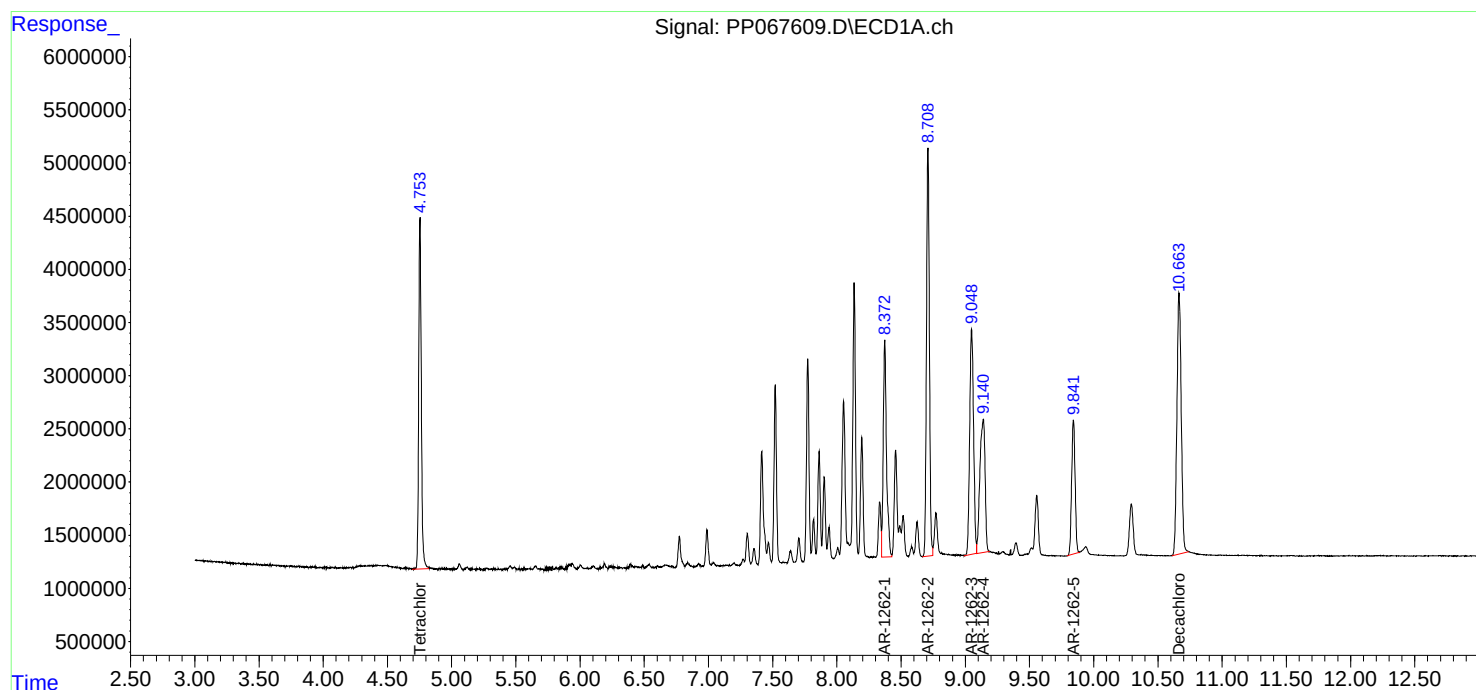
Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:02:26 2024
Quant Method: Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:00:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC1000

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 04:57:52 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 04:46:09 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.755	4.051	90812575	97016985	95.024	96.337
2) SA Decachlor...	10.666	9.217	175.8E6	175.5E6	90.038	92.883
Target Compounds						
41) L9 AR-1268-1	9.045	8.006	139.5E6	147.0E6	925.475m	929.738m
42) L9 AR-1268-2	9.145	8.072	125.7E6	133.1E6	920.211	933.699
43) L9 AR-1268-3	9.396	8.291	110.7E6	117.4E6	925.055	927.652
44) L9 AR-1268-4	9.844	8.599	48063749	51956547	911.676	948.161
45) L9 AR-1268-5	10.295	8.926	348.4E6	359.3E6	936.060	959.229

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

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

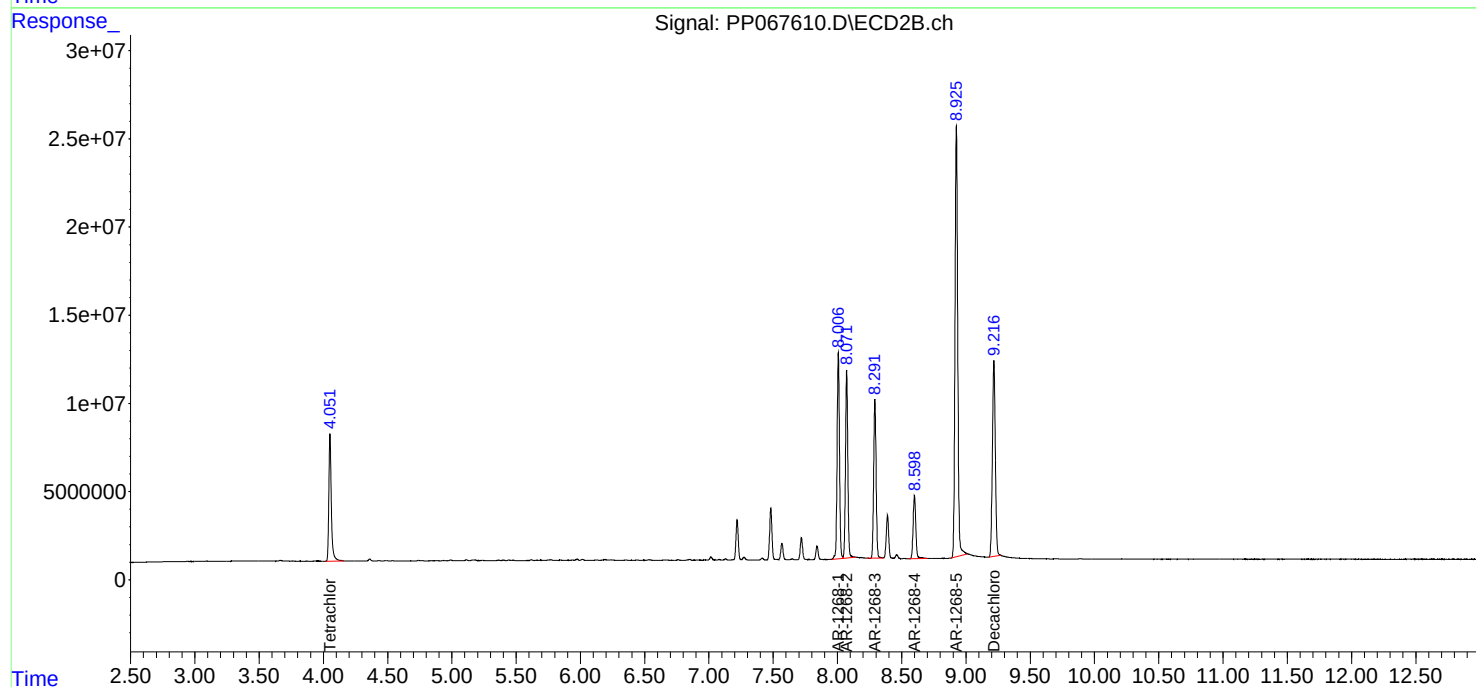
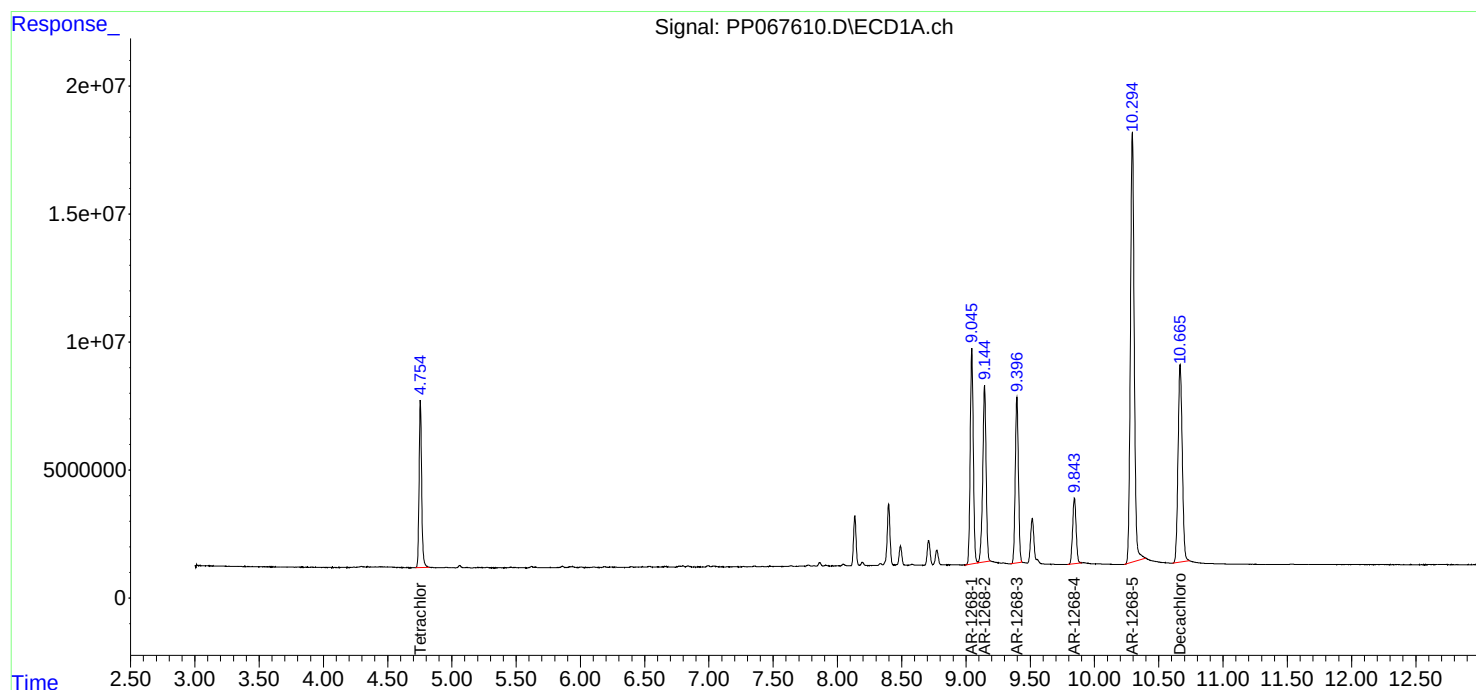
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:57:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC750

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 04:58:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 04:46:09 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.753	4.052	69222191	74341167	72.432	73.820
2) SA Decachlor...	10.665	9.218	137.1E6	135.2E6	70.184	71.539
Target Compounds						
41) L9 AR-1268-1	9.044	8.008	108.4E6	113.9E6	718.757m	720.350m
42) L9 AR-1268-2	9.144	8.073	97566346	102.9E6	714.368	722.244
43) L9 AR-1268-3	9.394	8.293	87555808	91128240	731.858	720.283
44) L9 AR-1268-4	9.841	8.600	37417513	40464284	709.738	738.438
45) L9 AR-1268-5	10.294	8.927	267.5E6	273.3E6	718.811	729.610

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

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

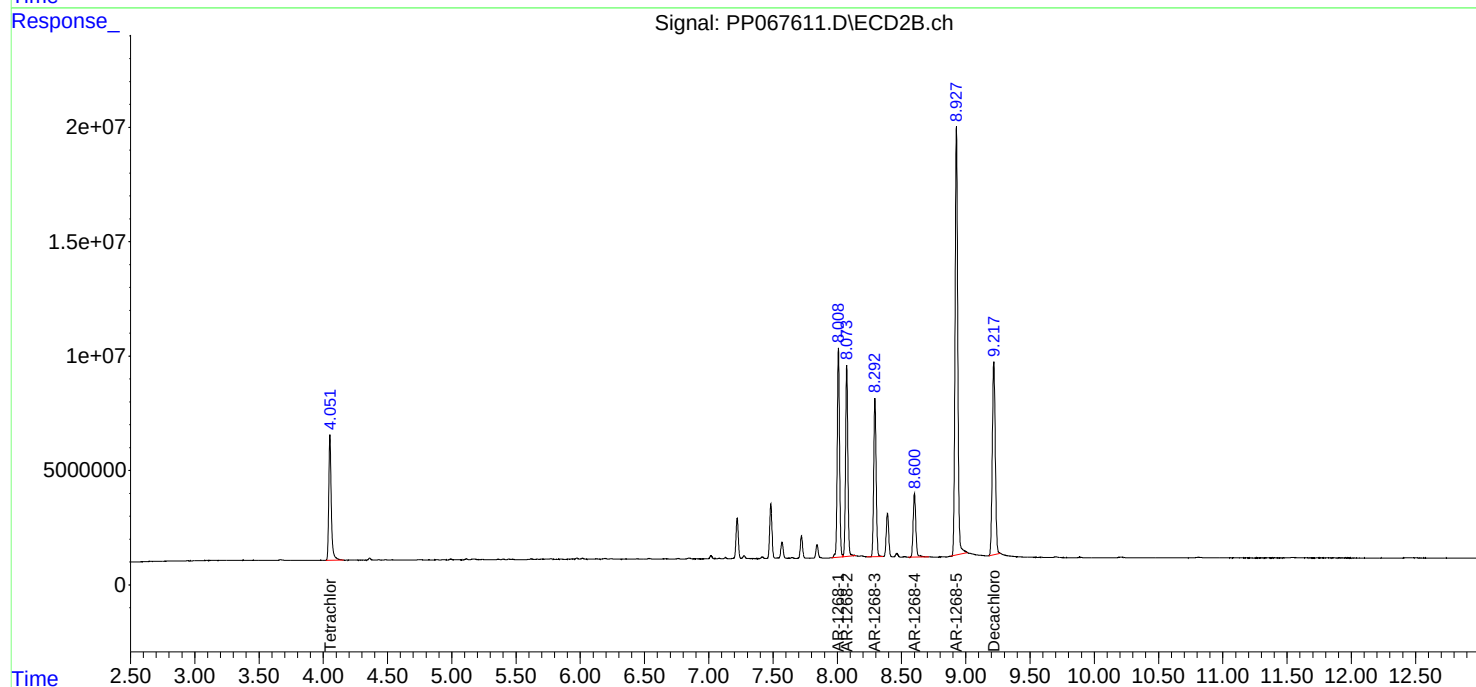
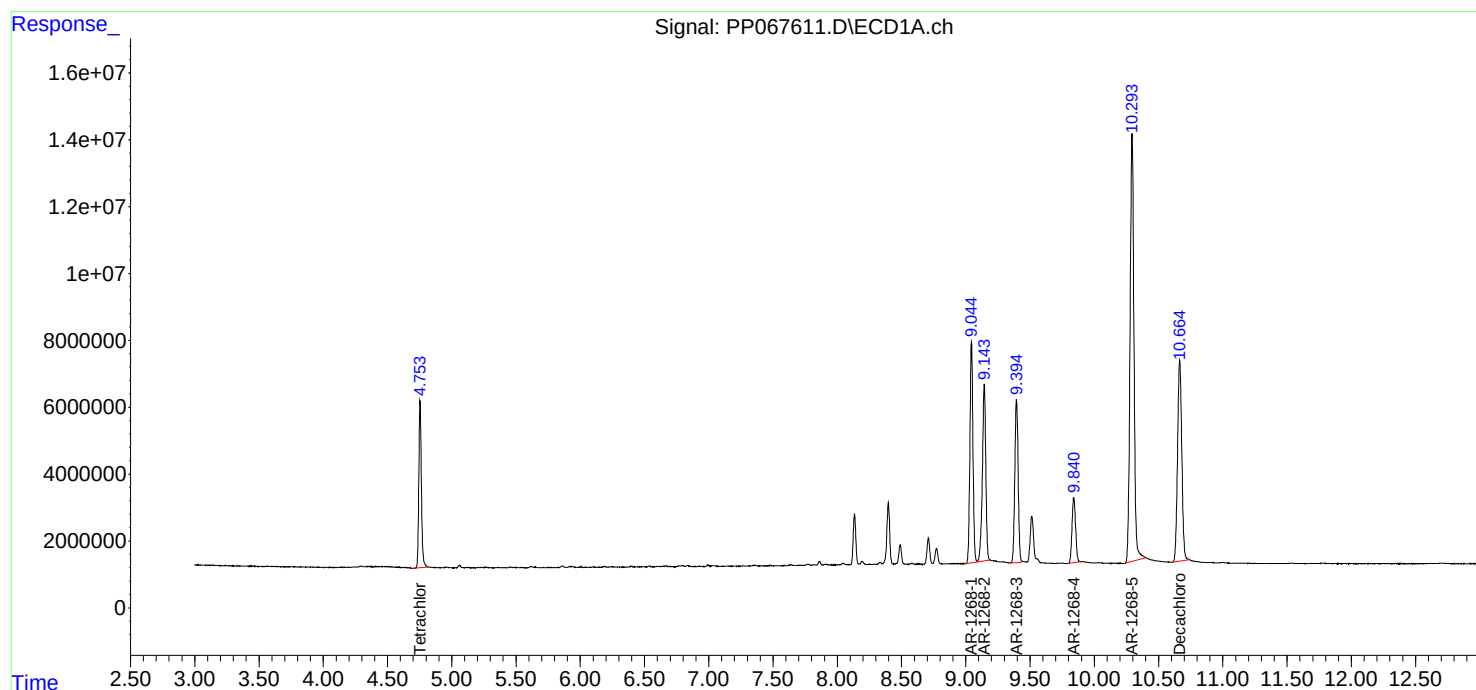
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC500

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 04:47:27 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 04:46:09 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.753	4.052	47784228	50352989	50.000	50.000
2) SA Decachlor...	10.665	9.217	97646544	94483308	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	9.043	8.007	75498831	79009584	500.821m	499.762m
42) L9 AR-1268-2	9.144	8.073	68288565	71261711	500.000	500.000
43) L9 AR-1268-3	9.395	8.292	59817506	63258627	500.000	500.000
44) L9 AR-1268-4	9.843	8.599	26360092	27398577	500.000	500.000
45) L9 AR-1268-5	10.294	8.925	186.1E6	187.3E6	500.000	500.000

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

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

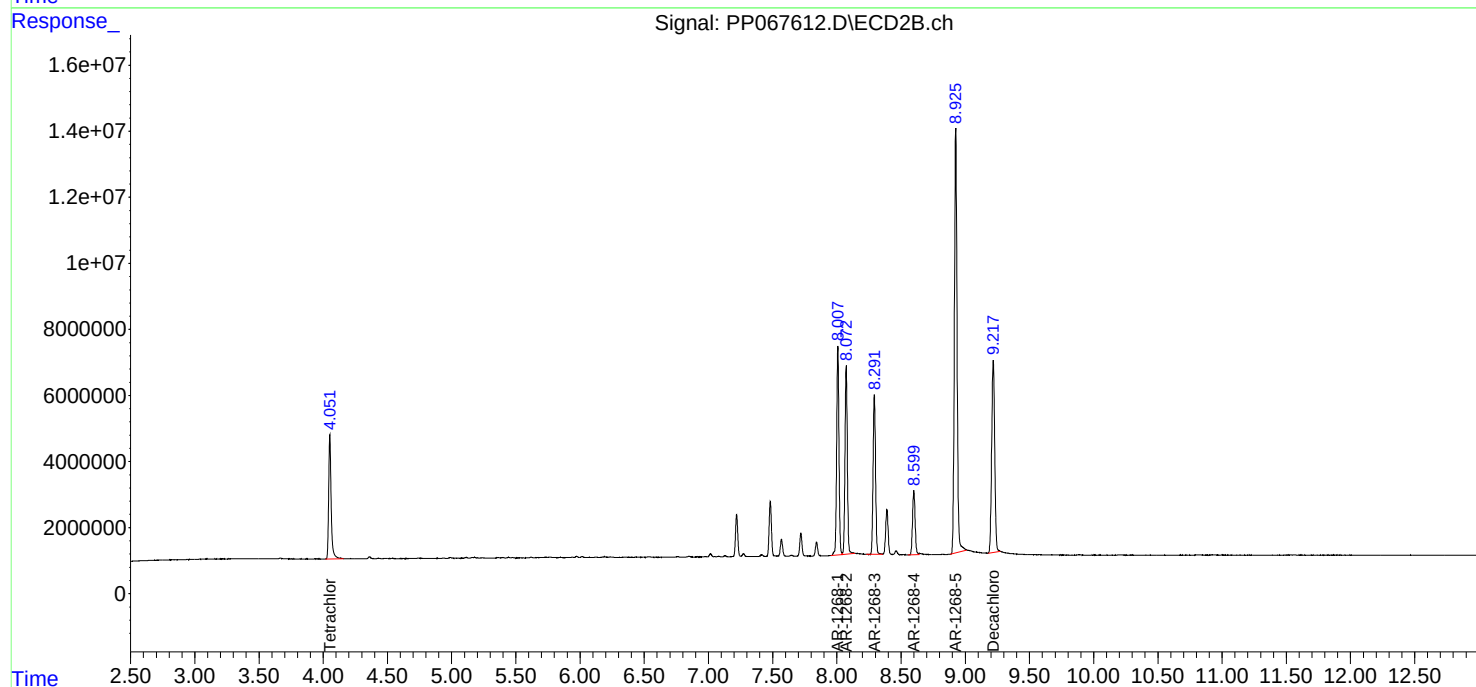
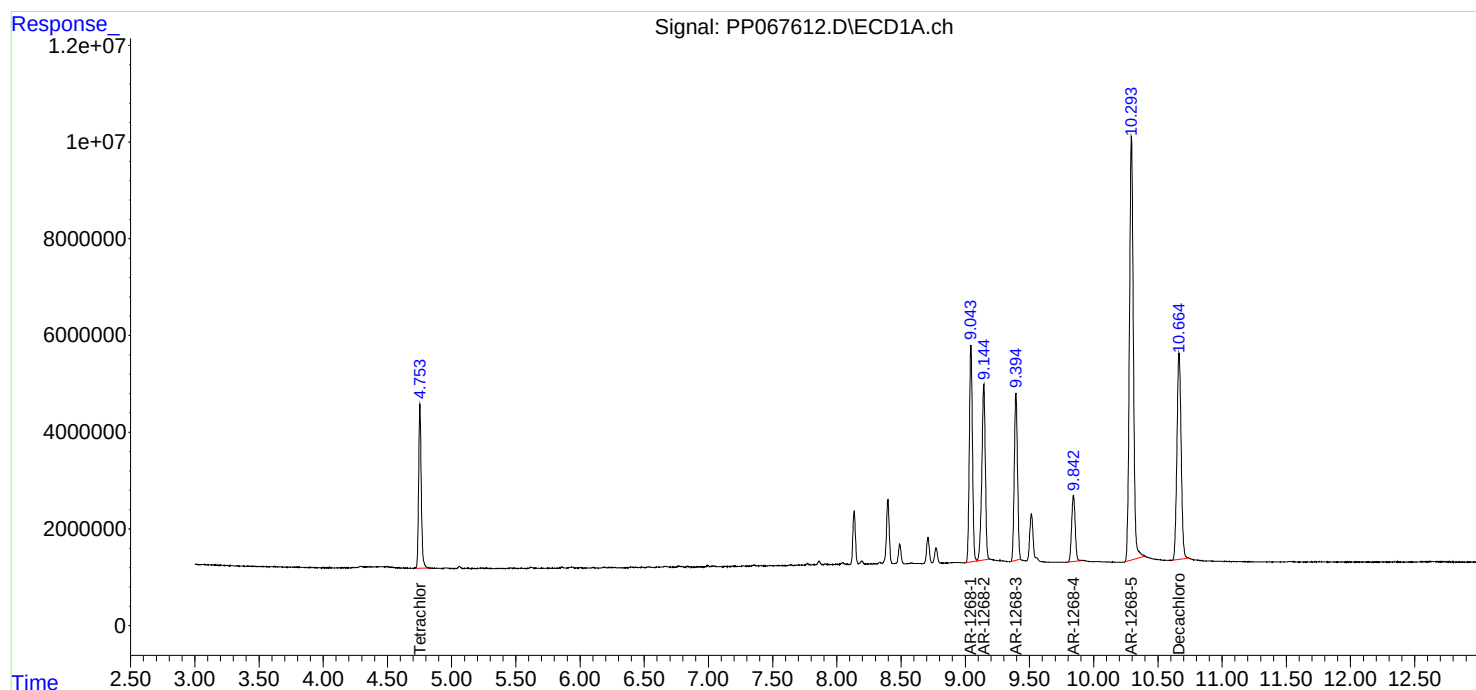
Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:47:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC250

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 04:58:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 04:46:09 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.753	4.050	24666919	26616902	25.811	26.430
2) SA Decachlor...	10.666	9.216	52348103	51189487	26.805	27.089
Target Compounds						
41) L9 AR-1268-1	9.042	8.006	40679699	42019978	269.849m	265.790m
42) L9 AR-1268-2	9.144	8.071	36435946	37805506	266.779	265.258
43) L9 AR-1268-3	9.394	8.290	32633567	33939255	272.776	268.258
44) L9 AR-1268-4	9.841	8.598	13910268	15250650	263.851	278.311
45) L9 AR-1268-5	10.293	8.924	97405753	97904672	261.724	261.345

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

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

Instrument :

ECD_P

ClientSampleId :

AR1268ICC250

Manual Integrations

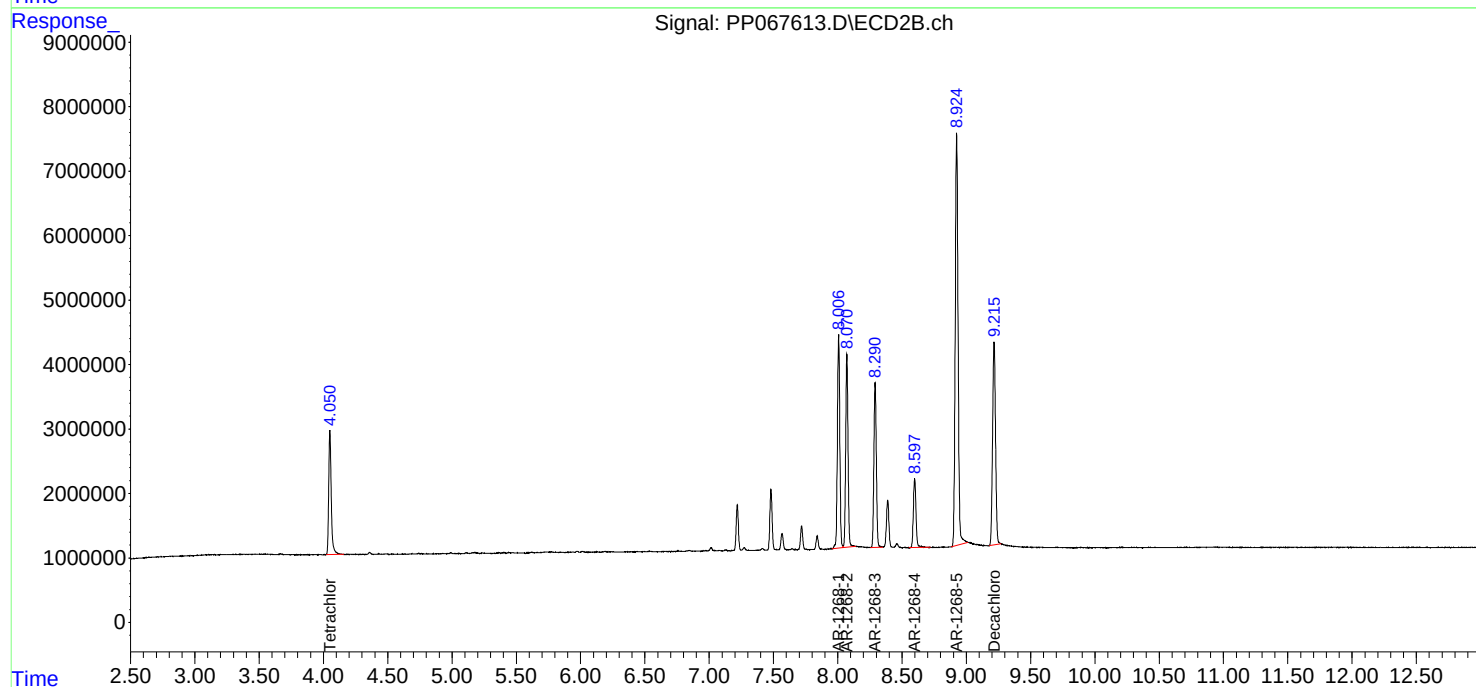
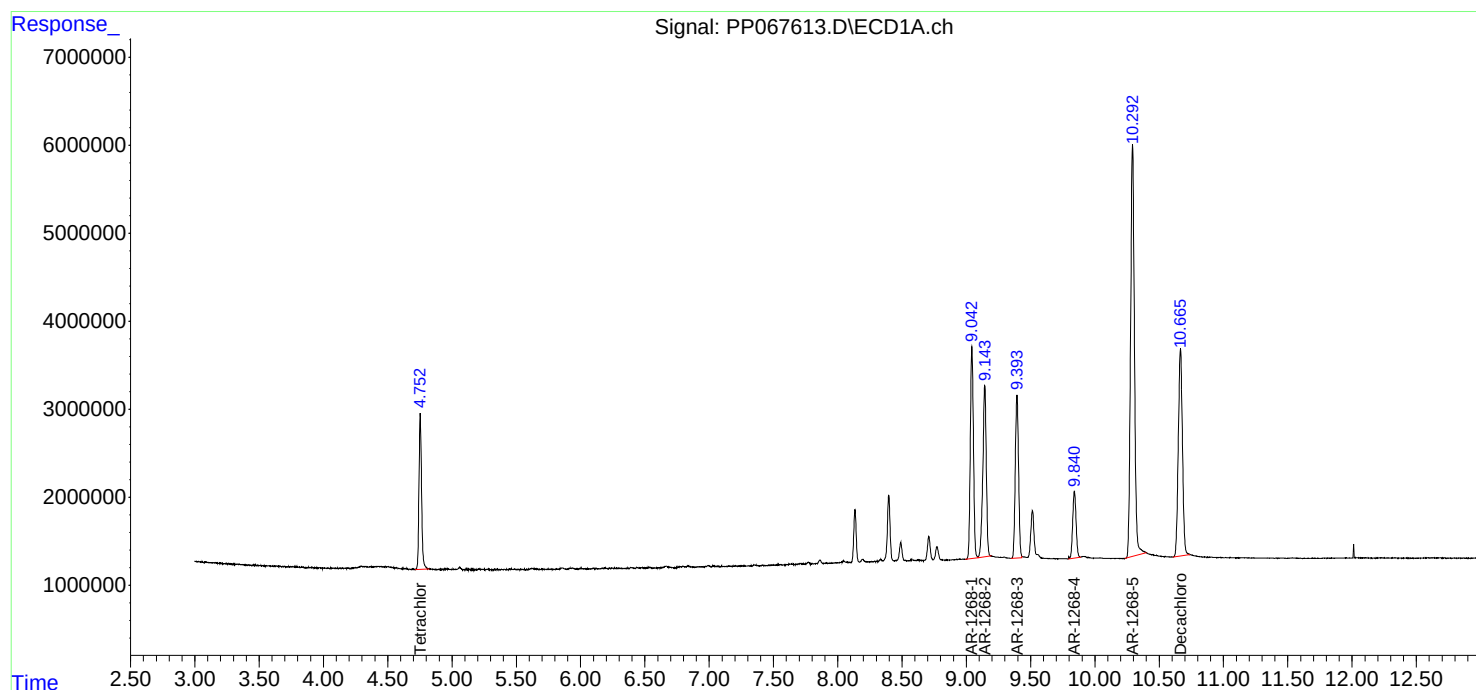
APPROVED

Reviewed By :Yogesh Patel 10/09/2024

Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC050

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 04:58:39 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 04:46:09 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.052	4444051	4895264	4.650	4.861
2) SA Decachlor...	10.666	9.216	10815395	10765076	5.538	5.697
Target Compounds						
41) L9 AR-1268-1	9.043	8.008	8277031	8538939	54.906m	54.012m
42) L9 AR-1268-2	9.143	8.072	7244406	7593126	53.043	53.276
43) L9 AR-1268-3	9.395	8.292	6350522	6820279	53.082	53.908
44) L9 AR-1268-4	9.842	8.599	2389235	3033576	45.319	55.360
45) L9 AR-1268-5	10.293	8.926	20024327	20008093	53.804	53.409

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

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

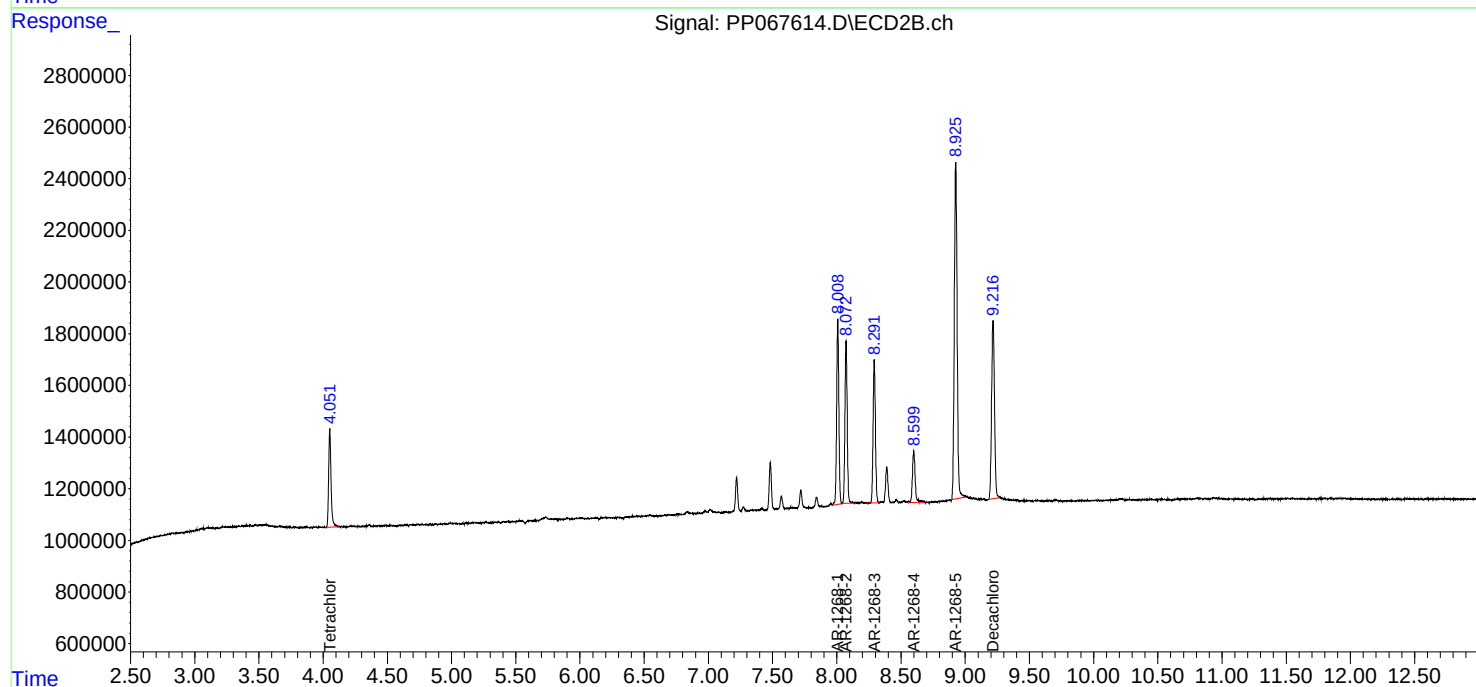
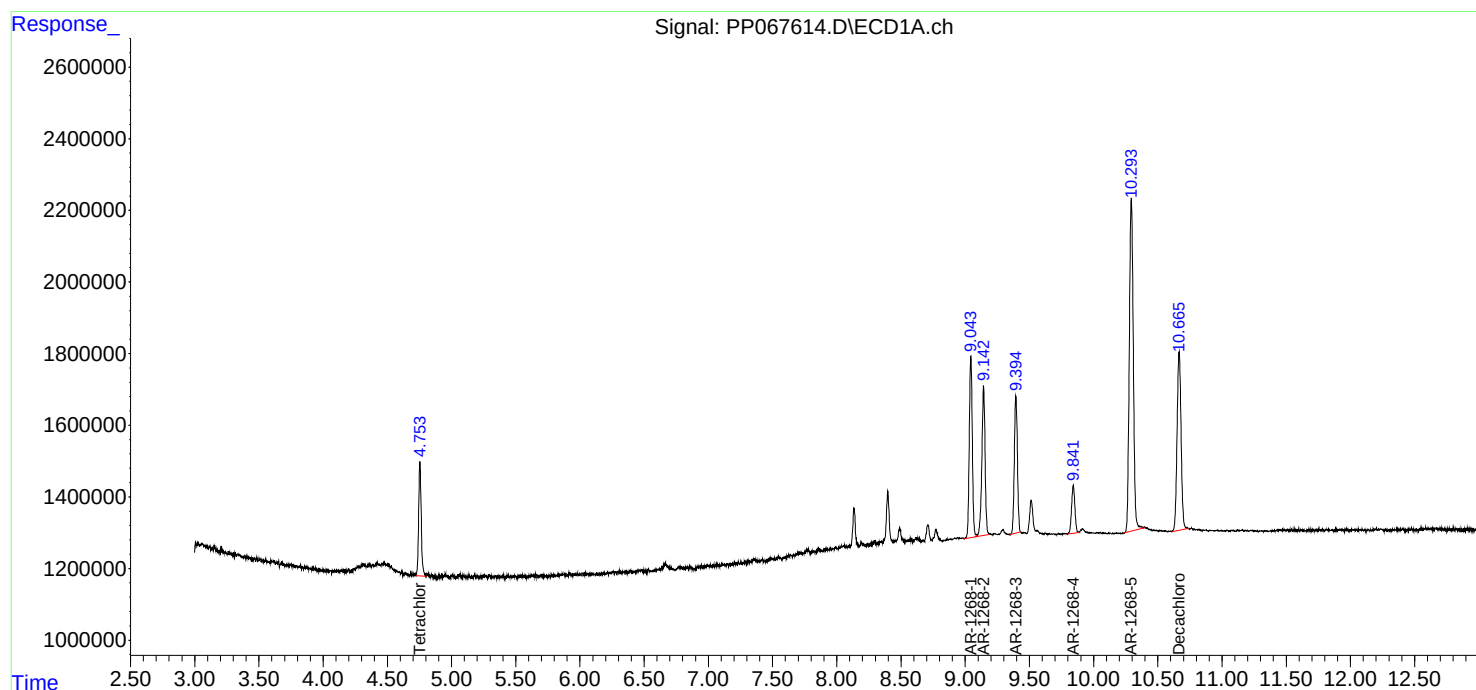
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP100824

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 01:43:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 08 17:49:59 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.052	47818896	51563992	51.660	51.033
2) SA Decachlor...	10.666	9.217	58541510	56291764	50.848	50.195
Target Compounds						
3) L1 AR-1016-1	5.917	5.160	17263145	17512226	522.071	500.532
4) L1 AR-1016-2	5.940	5.180	24637155	24097092	505.161	500.266
5) L1 AR-1016-3	6.003	5.360	16248093	13652900	515.617	506.836
6) L1 AR-1016-4	6.102	5.400	12907015	12153746	501.367	504.617
7) L1 AR-1016-5	6.396	5.619	13858394	15642712	512.005	514.396
31) L7 AR-1260-1	7.519	6.663	27268126	28191941	504.744	494.926
32) L7 AR-1260-2	7.773	6.849	31860763	33140895	503.562	496.832
33) L7 AR-1260-3	8.133	7.007	26673983	31543437	514.457	495.179
34) L7 AR-1260-4	8.372	7.482	30787260	27615536	511.464	499.442
35) L7 AR-1260-5	8.710	7.720	54874539	60890572	509.456	497.885

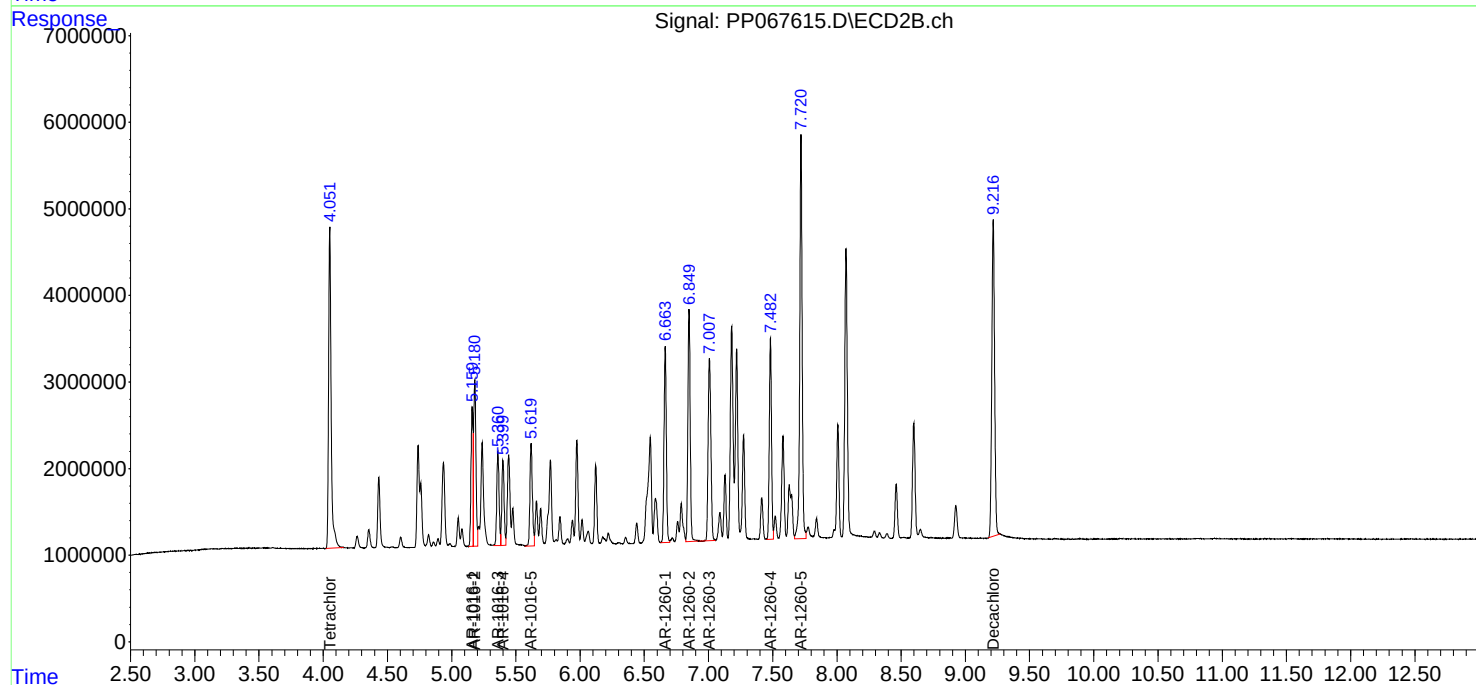
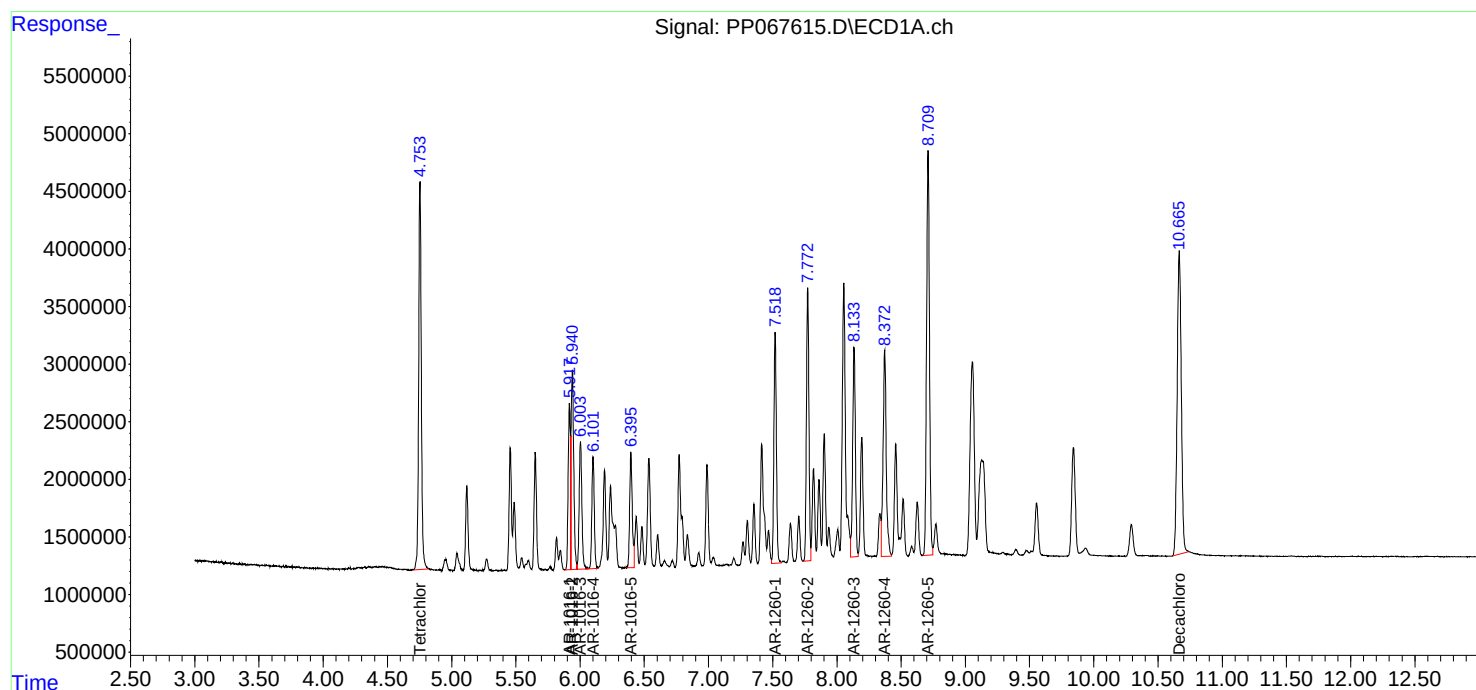
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

Instrument :
ECD_P
ClientSampleId :
ICVPP100824

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 01:43:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:49:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :

ECD_P

ClientSampleId :

ICVPP100824

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/09/2024

Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 02:36:26 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:22:02 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.753	4.052	48650594	52375624	51.902	51.231
2) SA Decachlor...	10.665	9.218	59346654	57254165	51.037	50.352
Target Compounds						
16) L4 AR-1242-1	5.917	5.160	14462482	15978995	517.679	549.552m
17) L4 AR-1242-2	5.939	5.180	20778833	19616005	511.357	488.596m
18) L4 AR-1242-3	6.003	5.361	13537133	11580619	502.031	514.808
19) L4 AR-1242-4	6.101	5.444	10883652	12214914	507.385	514.579
20) L4 AR-1242-5	6.835	5.974	12246250	14434941	507.598	503.845

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

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

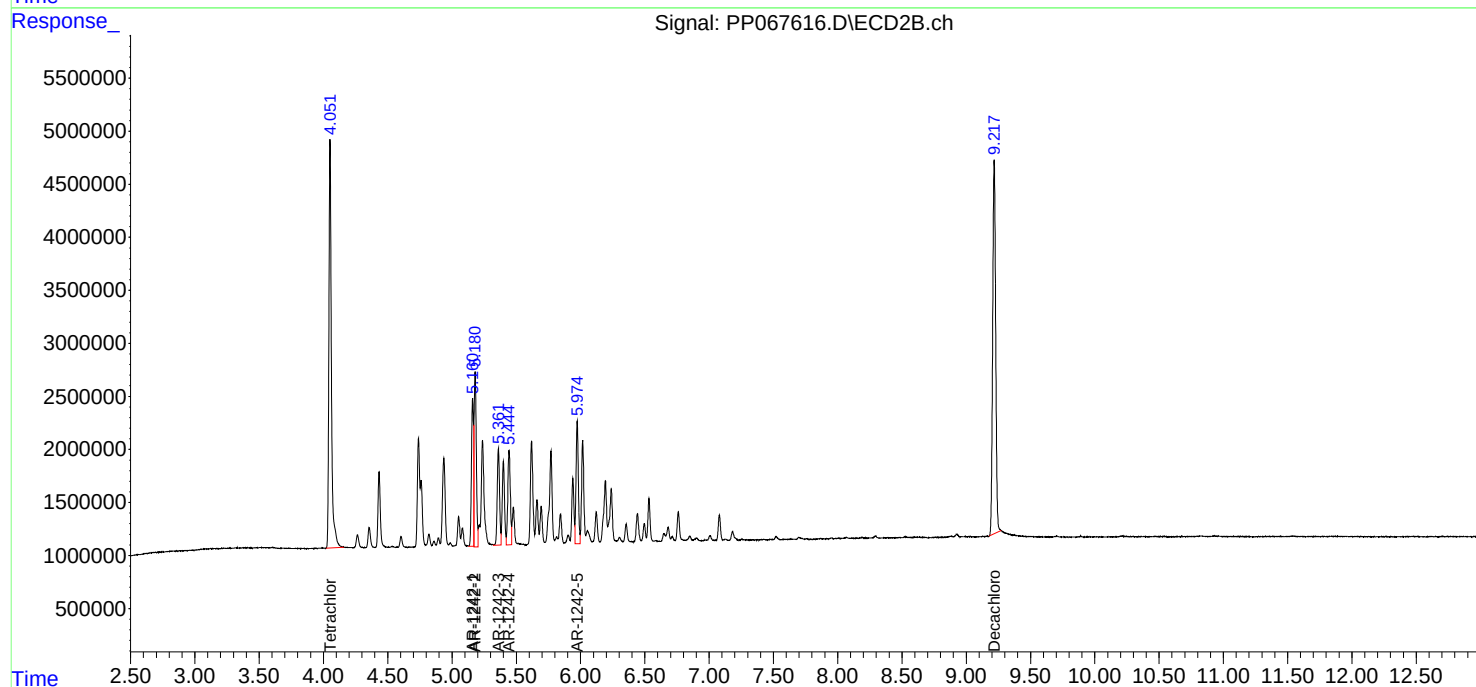
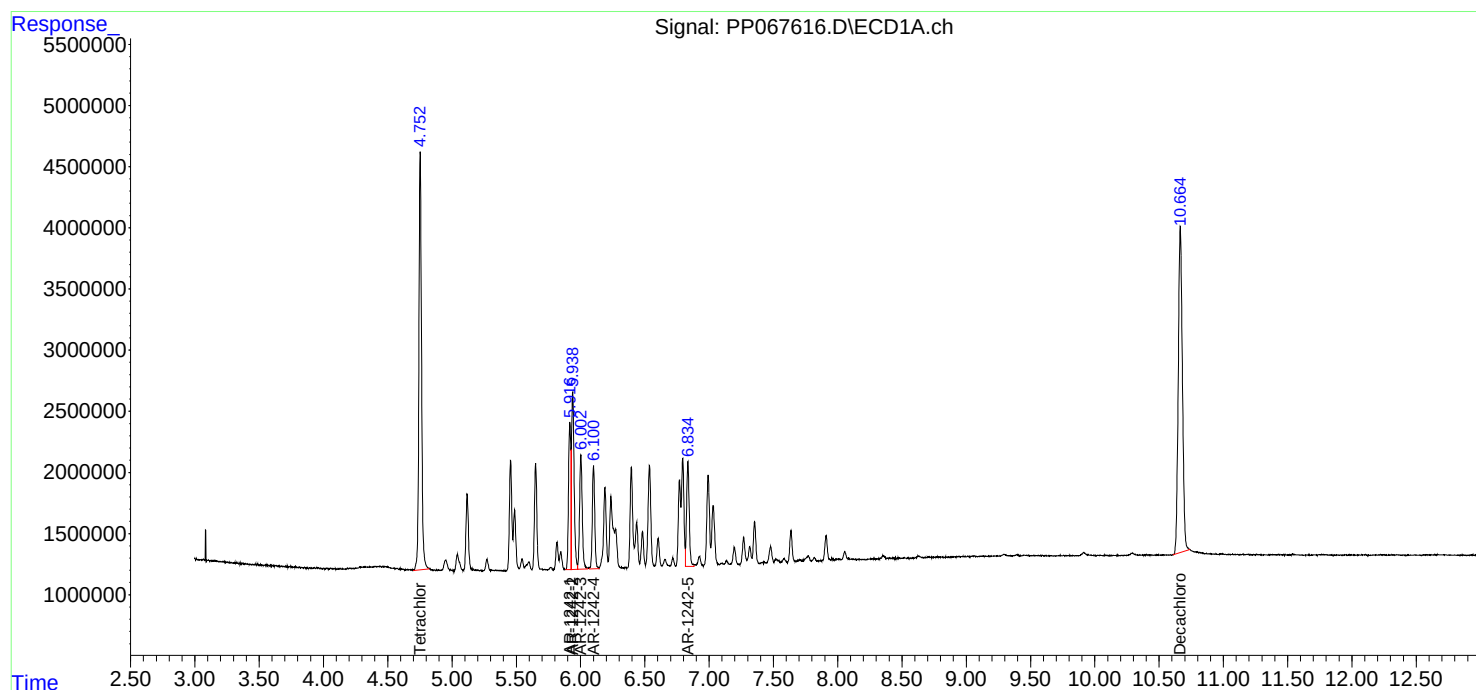
Instrument :
ECD_P
ClientSampleId :
ICVPP100824

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:36:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP100824

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 03:13:27 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 02:51:34 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.753	4.052	47929126	51603157	51.315	51.526
2) SA Decachlor...	10.666	9.217	59204707	57893421	50.009	50.840
Target Compounds						
21) L5 AR-1248-1	5.917	5.160	11359469	11663900	530.249	514.649
22) L5 AR-1248-2	6.190	5.400	17221900	16975707	512.302	512.926
23) L5 AR-1248-3	6.396	5.444	18903781	17763189	516.138	515.254
24) L5 AR-1248-4	6.796	5.619	20803279	20588412	514.287	502.697
25) L5 AR-1248-5	6.835	6.017	20466751	18878098	516.042	504.180

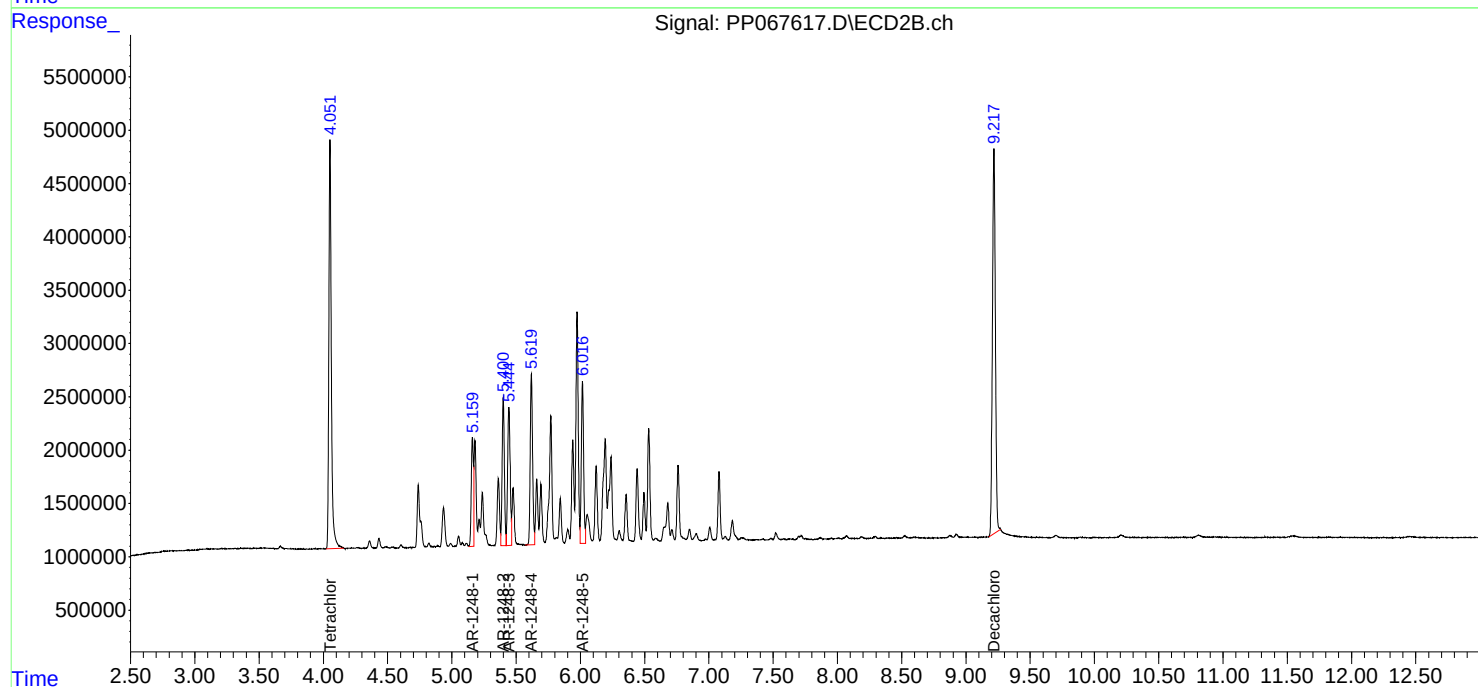
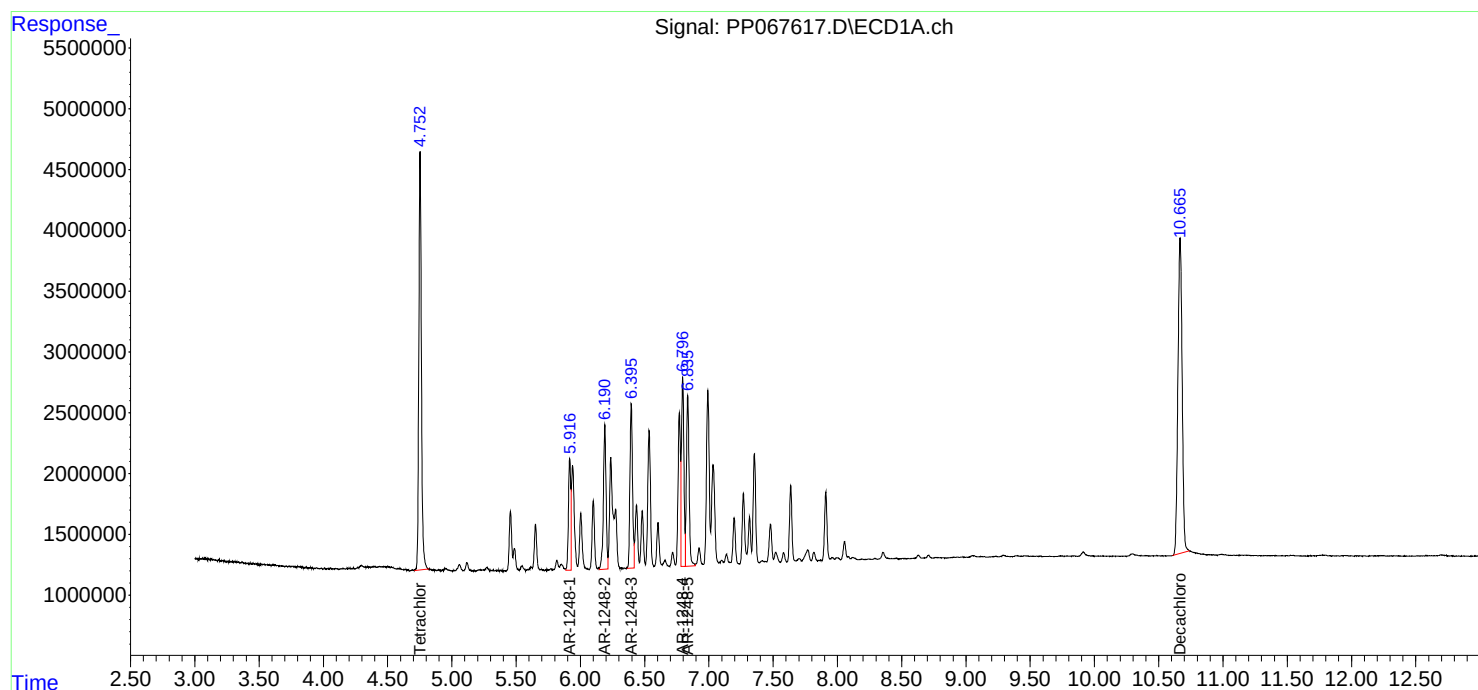
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

Instrument :
ECD_P
ClientSampleId :
ICVPP100824

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:13:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :

ECD_P

ClientSampleId :

ICVPP100824

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/09/2024

Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 03:43:22 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 03:24:30 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.756	4.051	48530224	52089649	51.723	51.478
2) SA Decachlor...	10.668	9.217	60024597	58780254	50.717	50.845
Target Compounds						
26) L6 AR-1254-1	6.775	5.975	22815828	29677404	509.481	502.293
27) L6 AR-1254-2	6.991	6.123	33399032	26325396	505.298	501.778
28) L6 AR-1254-3	7.357	6.532	34711516	42198184	499.786	507.141
29) L6 AR-1254-4	7.639	6.760	25405512	24704816	509.082	511.760m
30) L6 AR-1254-5	8.057	7.182	29963770	37426268	505.560m	508.846

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

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

Instrument :

ECD_P

ClientSampleId :

ICVPP100824

Manual Integrations

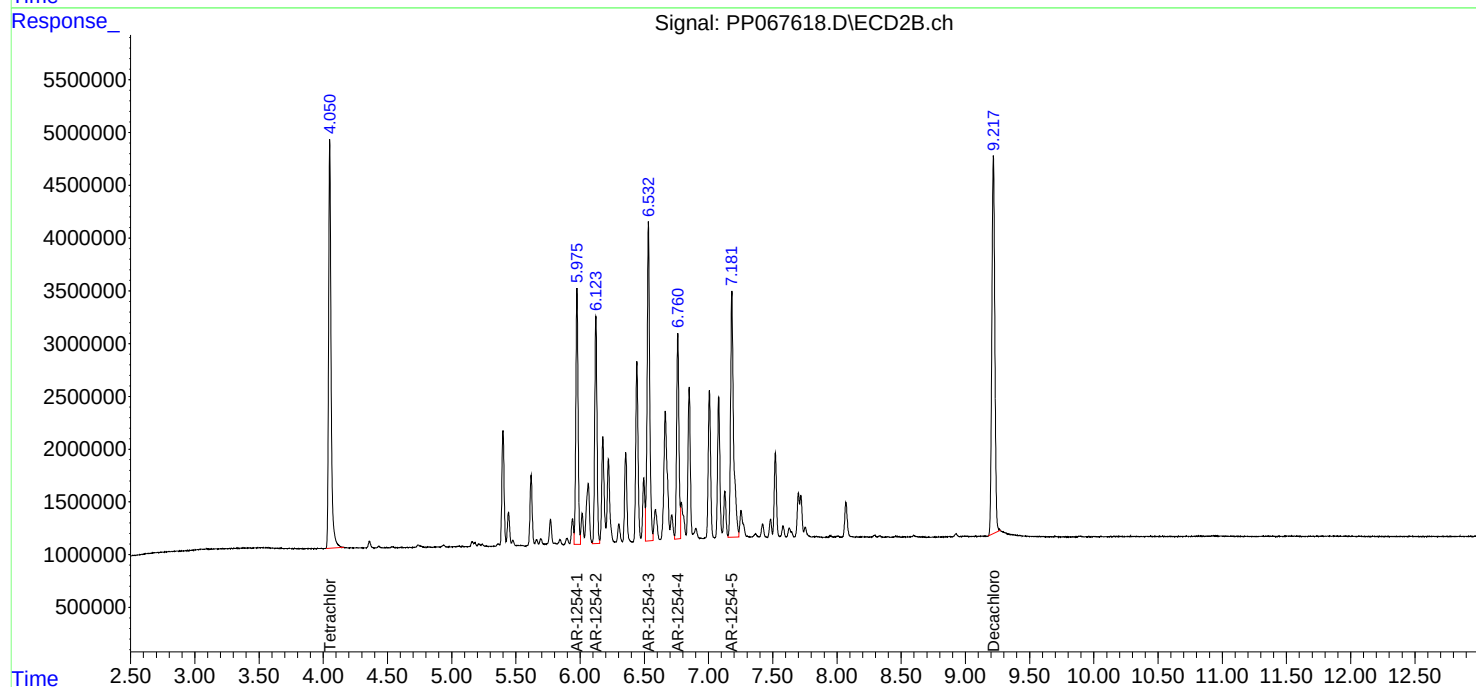
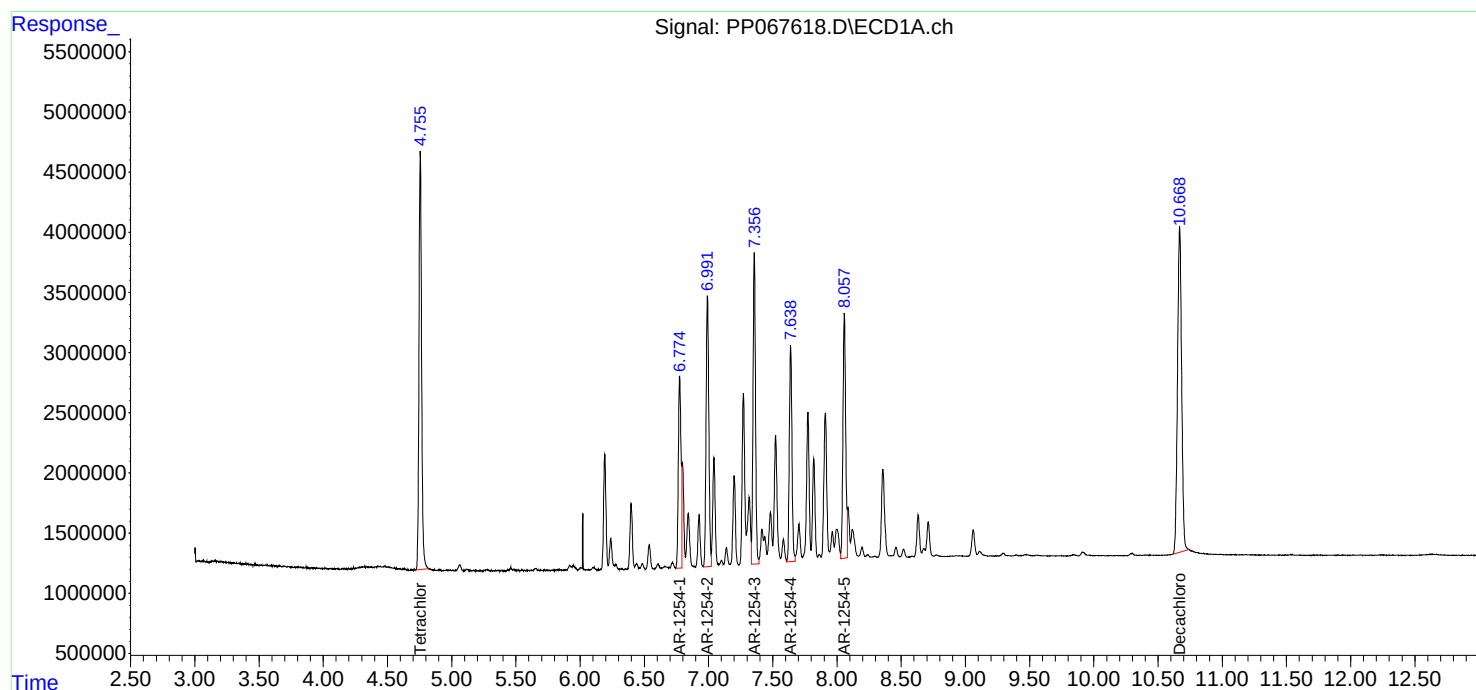
APPROVED

Reviewed By :Yogesh Patel 10/09/2024

Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:43:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP100824

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 05:22:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 04:46:09 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.051	48621846	52026024	52.144	51.900
2) SA Decachlor...	10.666	9.217	98383292	95455146	50.217	49.469
Target Compounds						
41) L9 AR-1268-1	9.044	8.007	76733240	79237054	502.842m	497.855m
42) L9 AR-1268-2	9.145	8.072	69182573	71394410	506.478	498.613
43) L9 AR-1268-3	9.396	8.292	60515330	63729520	500.466	499.802
44) L9 AR-1268-4	9.842	8.598	26421113	28346402	519.897	501.919
45) L9 AR-1268-5	10.294	8.926	188.0E6	188.8E6	503.342	499.468

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

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

Instrument :

ECD_P

ClientSampleId :

ICVPP100824

Manual Integrations

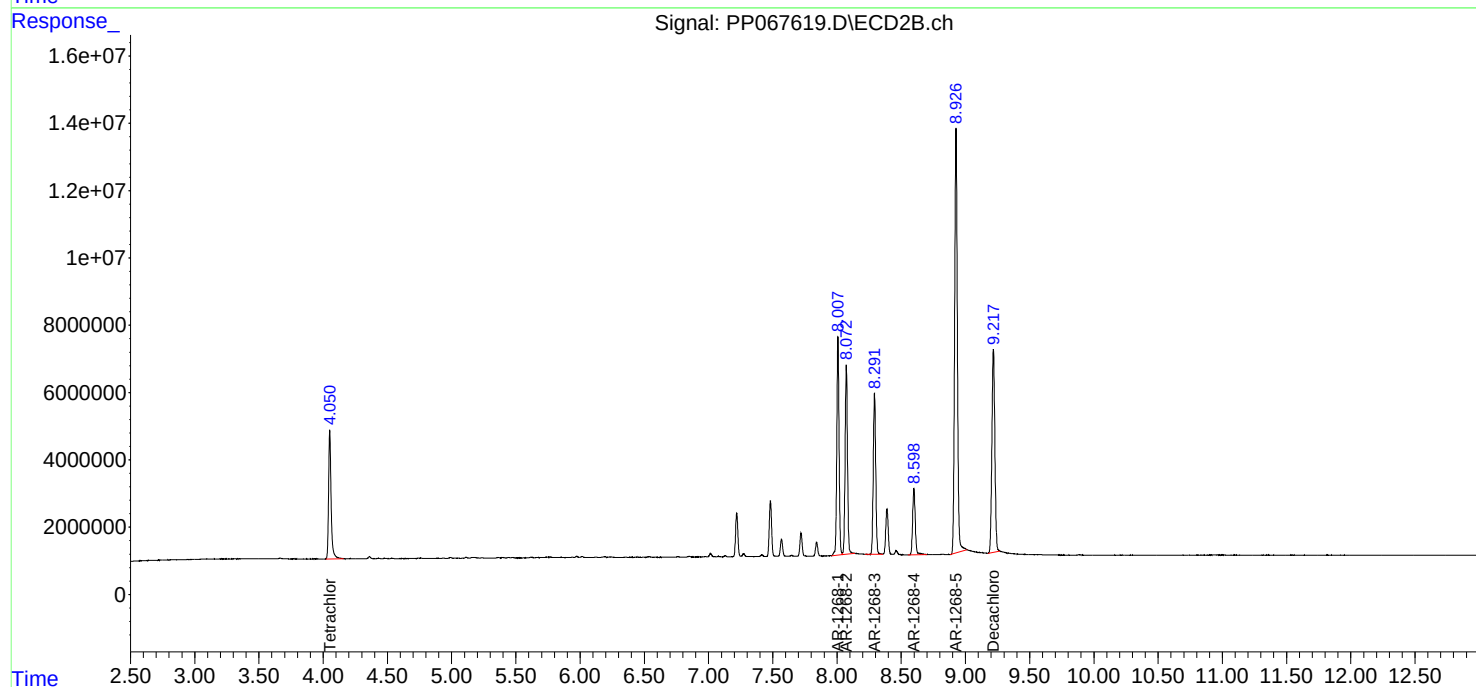
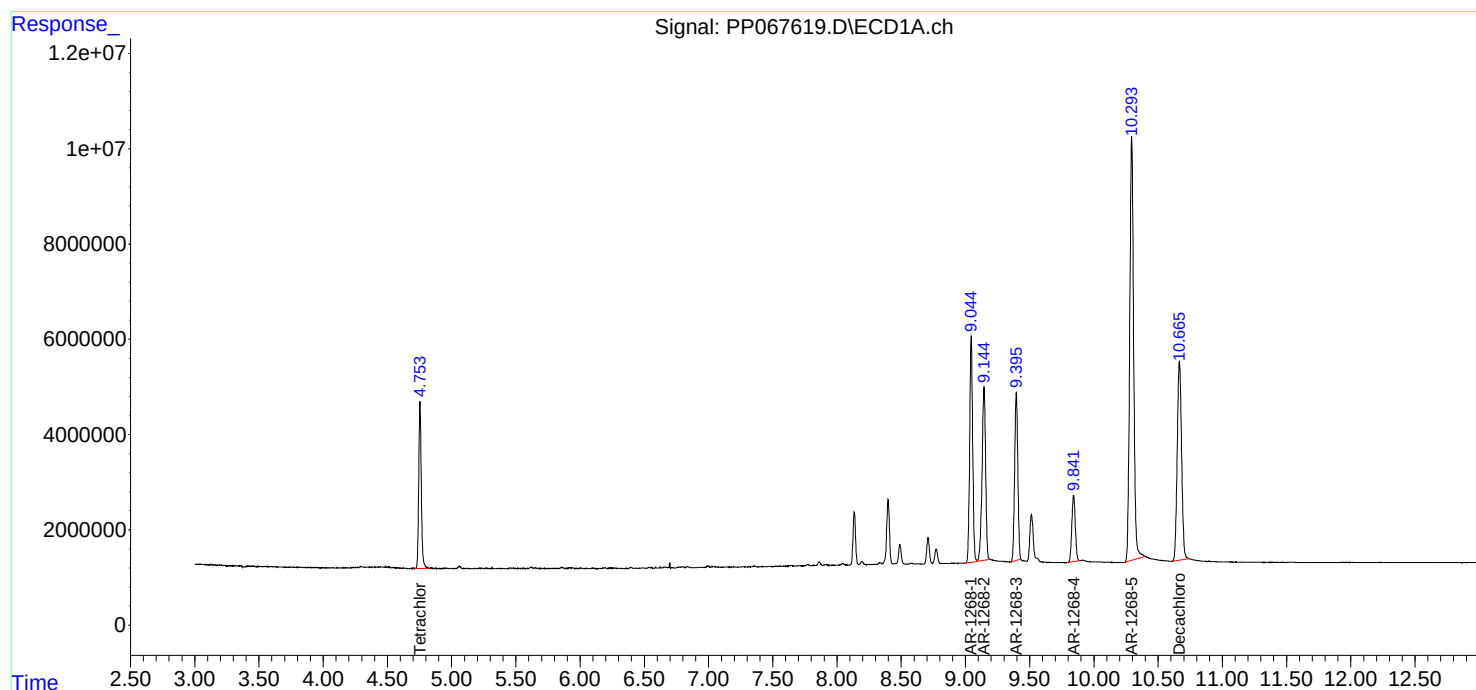
APPROVED

Reviewed By :Yogesh Patel 10/09/2024

Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 05:22:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

Continuing Calib Date: 10/14/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 09:11 Initial Calibration Time(s): 16:30 23:46

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

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



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

Continuing Calib Date: 10/14/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 09:11 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.22	9.22	9.12	9.32	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

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

Client Sample No.: CCAL01 Date Analyzed: 10/14/2024

Lab Sample No.: AR1660CCC500 Data File : PP067774.D Time Analyzed: 09:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.922	5.819	6.019	511.340	500.000	2.3
Aroclor-1016-2	5.944	5.842	6.042	500.800	500.000	0.2
Aroclor-1016-3	6.008	5.905	6.105	508.780	500.000	1.8
Aroclor-1016-4	6.106	6.003	6.203	496.670	500.000	-0.7
Aroclor-1016-5	6.400	6.298	6.498	499.480	500.000	-0.1
Aroclor-1260-1	7.525	7.422	7.622	473.850	500.000	-5.2
Aroclor-1260-2	7.778	7.675	7.875	484.720	500.000	-3.1
Aroclor-1260-3	8.140	8.037	8.237	468.630	500.000	-6.3
Aroclor-1260-4	8.378	8.275	8.475	474.560	500.000	-5.1
Aroclor-1260-5	8.716	8.612	8.812	488.110	500.000	-2.4
Decachlorobiphenyl	10.677	10.569	10.769	47.100	50.000	-5.8
Tetrachloro-m-xylene	4.757	4.655	4.855	51.370	50.000	2.7



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

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

Client Sample No.: CCAL01 Date Analyzed: 10/14/2024

Lab Sample No.: AR1660CCC500 Data File : PP067774.D Time Analyzed: 09:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.161	5.061	5.261	491.340	500.000	-1.7
Aroclor-1016-2	5.181	5.081	5.281	491.950	500.000	-1.6
Aroclor-1016-3	5.362	5.262	5.462	501.590	500.000	0.3
Aroclor-1016-4	5.401	5.301	5.501	493.990	500.000	-1.2
Aroclor-1016-5	5.621	5.520	5.720	489.800	500.000	-2.0
Aroclor-1260-1	6.664	6.564	6.764	467.300	500.000	-6.5
Aroclor-1260-2	6.851	6.750	6.950	468.690	500.000	-6.3
Aroclor-1260-3	7.009	6.908	7.108	470.960	500.000	-5.8
Aroclor-1260-4	7.484	7.383	7.583	462.780	500.000	-7.4
Aroclor-1260-5	7.722	7.622	7.822	460.480	500.000	-7.9
Decachlorobiphenyl	9.220	9.119	9.319	46.320	50.000	-7.4
Tetrachloro-m-xylene	4.052	3.952	4.152	50.190	50.000	0.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
 Data File : PP067774.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2024 09:11
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 14 13:10:35 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.757	4.052	47554759	50707434	51.375	50.185
2) SA Decachlor...	10.677	9.220	54223912	51942061	47.098	46.317
Target Compounds						
3) L1 AR-1016-1	5.922	5.161	16908391	17190718	511.342	491.342
4) L1 AR-1016-2	5.944	5.181	24424260	23696593	500.796	491.952
5) L1 AR-1016-3	6.008	5.362	16032684	13511459	508.781	501.586
6) L1 AR-1016-4	6.106	5.401	12786148	11897795	496.672	493.990
7) L1 AR-1016-5	6.400	5.621	13519357	14894901	499.479	489.805
31) L7 AR-1260-1	7.525	6.664	25598991	26618186	473.847	467.297
32) L7 AR-1260-2	7.778	6.851	30668731	31263531	484.722	468.688
33) L7 AR-1260-3	8.140	7.009	24297712	30000364	468.626	470.955
34) L7 AR-1260-4	8.378	7.484	28565718	25588140	474.558	462.776
35) L7 AR-1260-5	8.716	7.722	52575038	56315577	488.107	460.476

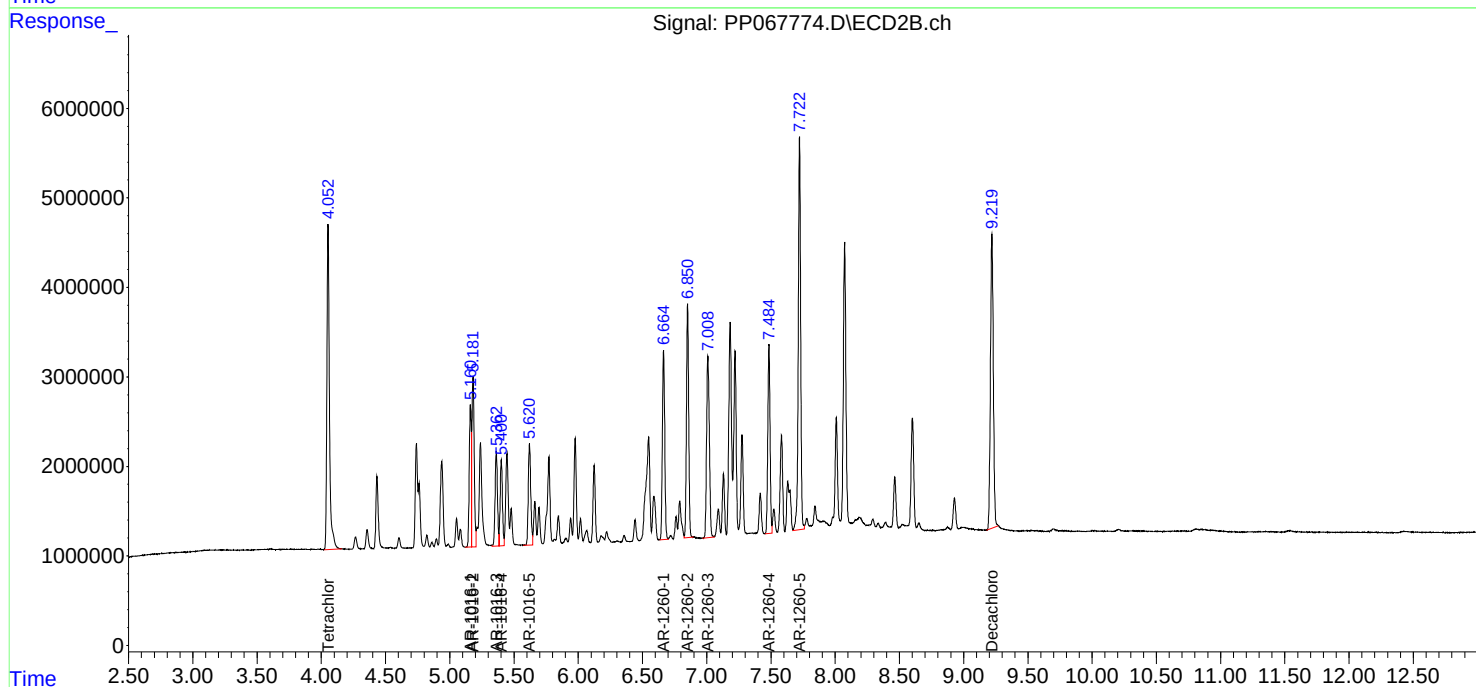
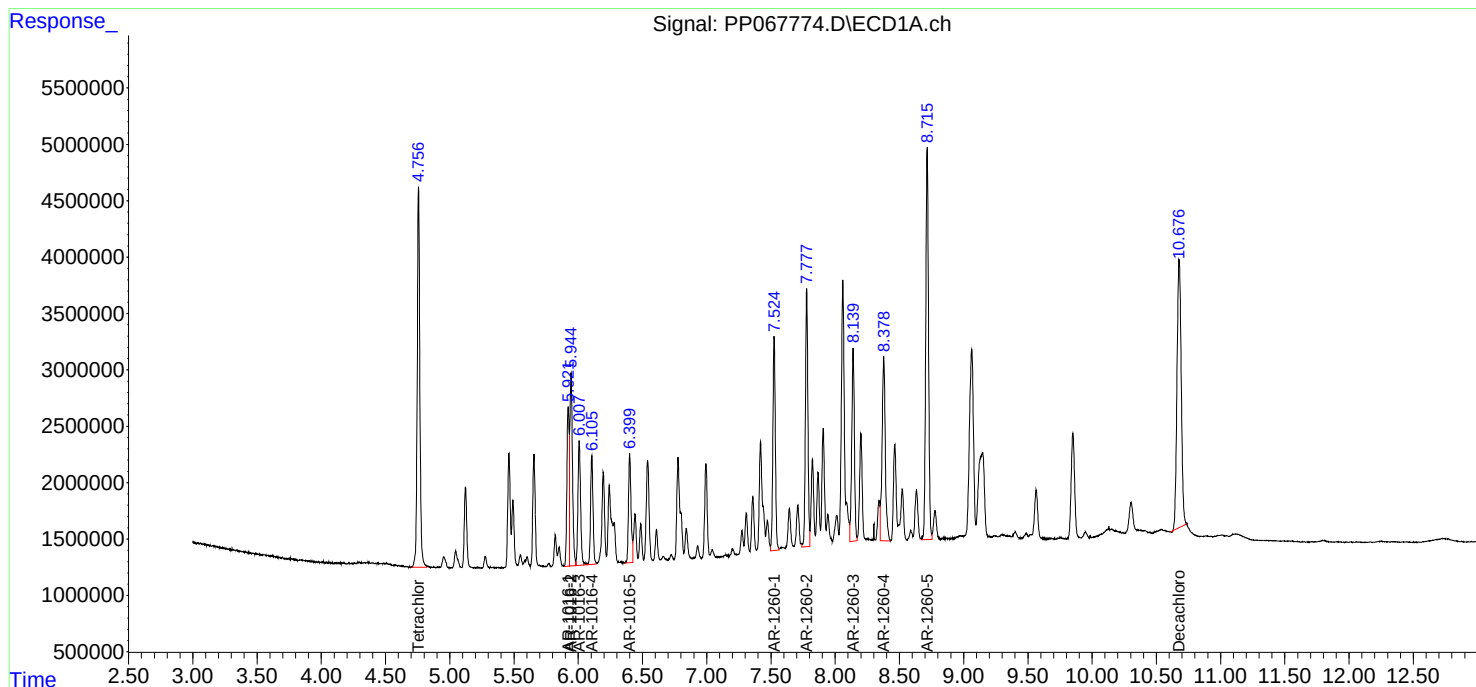
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
Data File : PP067774.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2024 09:11
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 13:10:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

Continuing Calib Date: 10/14/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 15:36 Initial Calibration Time(s): 16:30 23:46

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

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



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

Continuing Calib Date: 10/14/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 15:36 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.67	6.66	6.56	6.76	-0.01
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.49	7.48	7.38	7.58	-0.01
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.22	9.22	9.12	9.32	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

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

Client Sample No.: CCAL02 Date Analyzed: 10/14/2024

Lab Sample No.: AR1660CCC500 Data File : PP067791.D Time Analyzed: 15:36

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.921	5.819	6.019	532.300	500.000	6.5
Aroclor-1016-2	5.944	5.842	6.042	494.450	500.000	-1.1
Aroclor-1016-3	6.007	5.905	6.105	488.800	500.000	-2.2
Aroclor-1016-4	6.105	6.003	6.203	474.520	500.000	-5.1
Aroclor-1016-5	6.400	6.298	6.498	486.600	500.000	-2.7
Aroclor-1260-1	7.525	7.422	7.622	462.200	500.000	-7.6
Aroclor-1260-2	7.777	7.675	7.875	466.570	500.000	-6.7
Aroclor-1260-3	8.139	8.037	8.237	471.690	500.000	-5.7
Aroclor-1260-4	8.378	8.275	8.475	473.740	500.000	-5.3
Aroclor-1260-5	8.714	8.612	8.812	481.620	500.000	-3.7
Decachlorobiphenyl	10.673	10.569	10.769	49.040	50.000	-1.9
Tetrachloro-m-xylene	4.757	4.655	4.855	51.490	50.000	3.0



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

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

Client Sample No.: CCAL02 Date Analyzed: 10/14/2024

Lab Sample No.: AR1660CCC500 Data File : PP067791.D Time Analyzed: 15:36

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.162	5.061	5.261	475.030	500.000	-5.0
Aroclor-1016-2	5.182	5.081	5.281	474.360	500.000	-5.1
Aroclor-1016-3	5.362	5.262	5.462	480.490	500.000	-3.9
Aroclor-1016-4	5.402	5.301	5.501	476.100	500.000	-4.8
Aroclor-1016-5	5.621	5.520	5.720	491.940	500.000	-1.6
Aroclor-1260-1	6.666	6.564	6.764	446.780	500.000	-10.6
Aroclor-1260-2	6.852	6.750	6.950	459.610	500.000	-8.1
Aroclor-1260-3	7.009	6.908	7.108	462.740	500.000	-7.5
Aroclor-1260-4	7.485	7.383	7.583	462.720	500.000	-7.5
Aroclor-1260-5	7.723	7.622	7.822	462.990	500.000	-7.4
Decachlorobiphenyl	9.219	9.119	9.319	46.670	50.000	-6.7
Tetrachloro-m-xylene	4.053	3.952	4.152	48.730	50.000	-2.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
 Data File : PP067791.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2024 15:36
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 14 16:11:39 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.757	4.053	47661280	49231996	51.490	48.725
2) SA Decachlor...	10.673	9.219	56458625	52336217	49.039	46.668
Target Compounds						
3) L1 AR-1016-1	5.921	5.162	17601551	16619834	532.305	475.025
4) L1 AR-1016-2	5.944	5.182	24114538	22849345	494.446	474.362
5) L1 AR-1016-3	6.007	5.362	15403142	12943226	488.803	480.491
6) L1 AR-1016-4	6.105	5.402	12215822	11466898	474.518	476.099
7) L1 AR-1016-5	6.400	5.621	13170660	14959837	486.596	491.940
31) L7 AR-1260-1	7.525	6.666	24969742	25449221	462.200	446.776
32) L7 AR-1260-2	7.777	6.852	29519973	30658201	466.566	459.613
33) L7 AR-1260-3	8.139	7.009	24456377	29477307	471.686	462.744
34) L7 AR-1260-4	8.378	7.485	28516541	25584806	473.741	462.715
35) L7 AR-1260-5	8.714	7.723	51876098	56622818	481.618	462.988

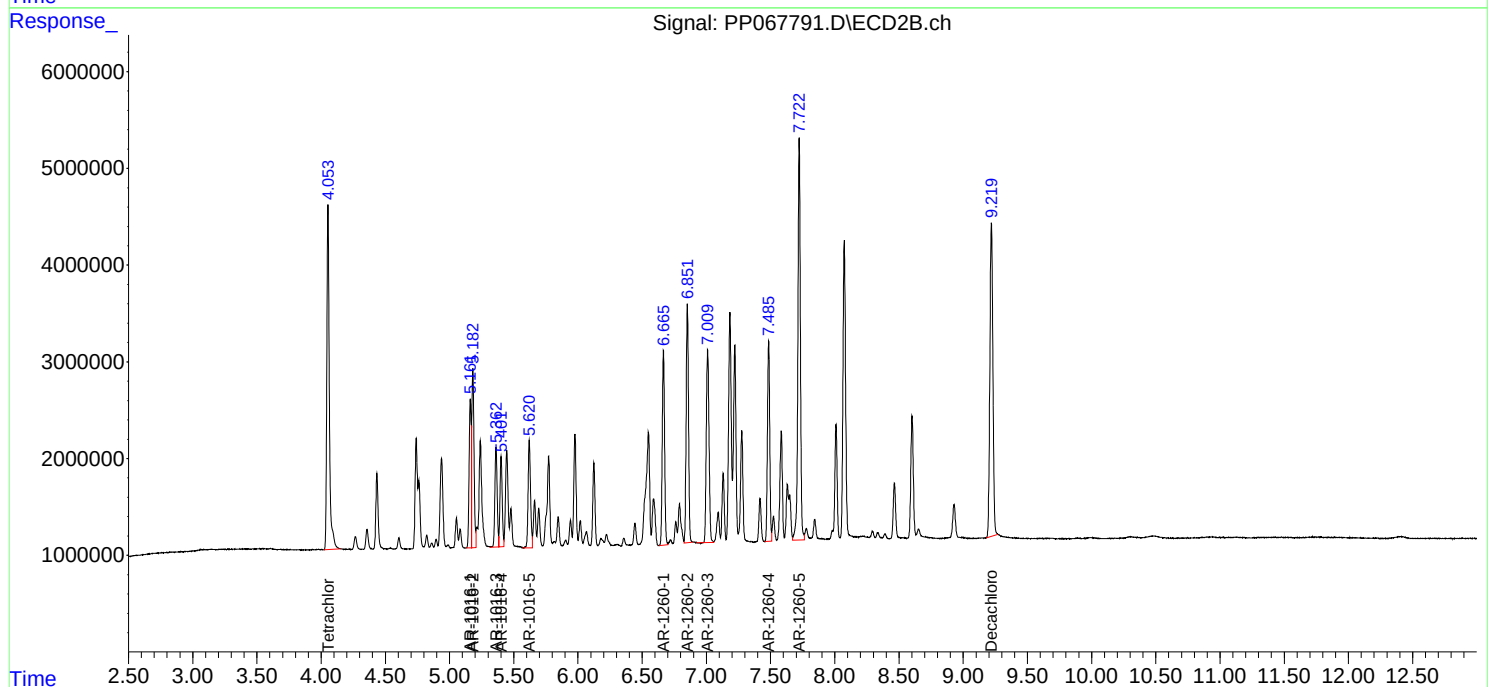
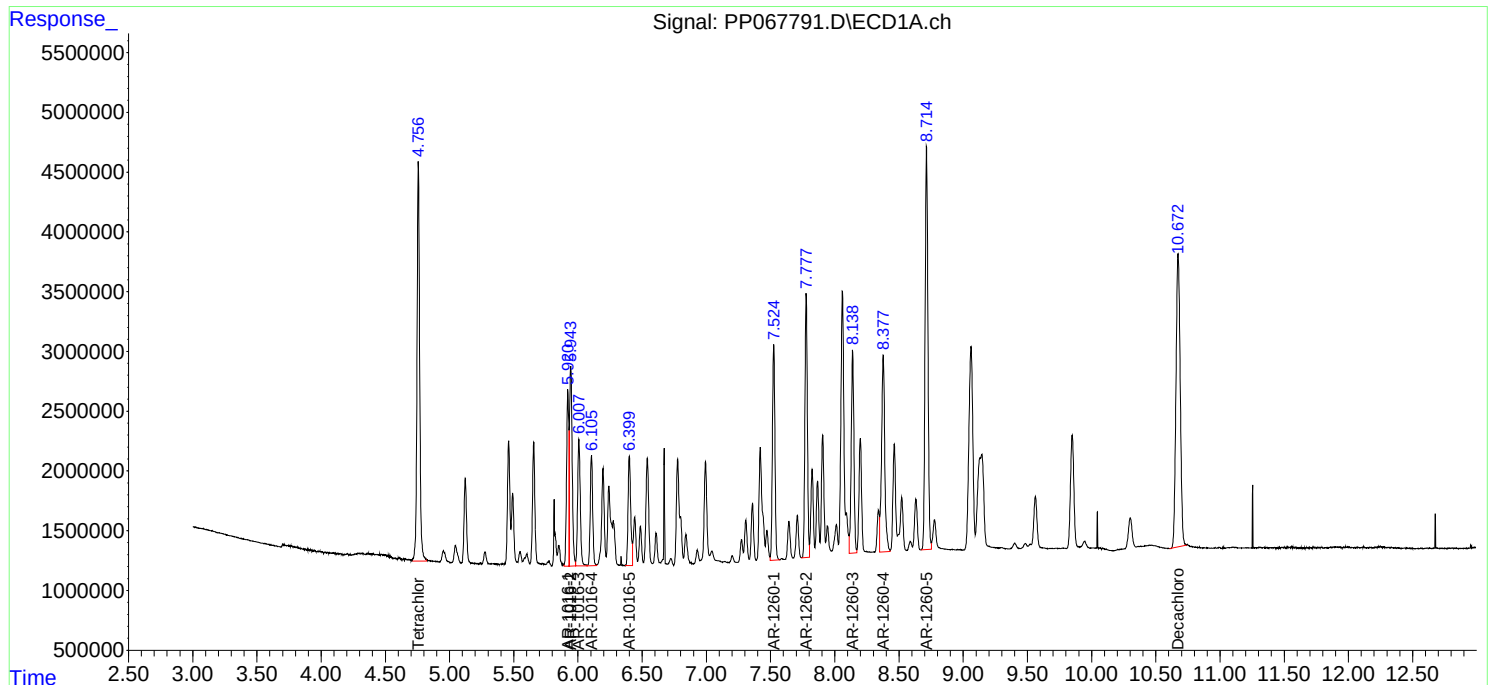
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
Data File : PP067791.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2024 15:36
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 16:11:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

Continuing Calib Date: 10/14/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 22:04 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.00	6.01	5.91	6.11	0.01
Aroclor-1016-4	(4)	6.10	6.10	6.00	6.20	0.00
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.77	7.78	7.68	7.88	0.01
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.37	8.38	8.28	8.48	0.01
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.75	4.76	4.66	4.86	0.01
Decachlorobiphenyl		10.67	10.67	10.57	10.77	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

Continuing Calib Date: 10/14/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 22:04 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.22	9.22	9.12	9.32	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

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

Client Sample No.: CCAL03 Date Analyzed: 10/14/2024

Lab Sample No.: AR1660CCC500 Data File : PP067813.D Time Analyzed: 22:04

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.917	5.819	6.019	515.980	500.000	3.2
Aroclor-1016-2	5.941	5.842	6.042	495.940	500.000	-0.8
Aroclor-1016-3	6.003	5.905	6.105	502.410	500.000	0.5
Aroclor-1016-4	6.102	6.003	6.203	490.930	500.000	-1.8
Aroclor-1016-5	6.396	6.298	6.498	491.780	500.000	-1.6
Aroclor-1260-1	7.520	7.422	7.622	467.330	500.000	-6.5
Aroclor-1260-2	7.773	7.675	7.875	471.760	500.000	-5.6
Aroclor-1260-3	8.135	8.037	8.237	472.990	500.000	-5.4
Aroclor-1260-4	8.373	8.275	8.475	466.590	500.000	-6.7
Aroclor-1260-5	8.710	8.612	8.812	473.370	500.000	-5.3
Decachlorobiphenyl	10.667	10.569	10.769	48.170	50.000	-3.7
Tetrachloro-m-xylene	4.754	4.655	4.855	50.940	50.000	1.9



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

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

Client Sample No.: CCAL03 Date Analyzed: 10/14/2024

Lab Sample No.: AR1660CCC500 Data File : PP067813.D Time Analyzed: 22:04

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.160	5.061	5.261	479.770	500.000	-4.0
Aroclor-1016-2	5.179	5.081	5.281	477.630	500.000	-4.5
Aroclor-1016-3	5.360	5.262	5.462	483.960	500.000	-3.2
Aroclor-1016-4	5.399	5.301	5.501	478.030	500.000	-4.4
Aroclor-1016-5	5.618	5.520	5.720	495.750	500.000	-0.9
Aroclor-1260-1	6.662	6.564	6.764	468.780	500.000	-6.2
Aroclor-1260-2	6.849	6.750	6.950	472.570	500.000	-5.5
Aroclor-1260-3	7.006	6.908	7.108	467.440	500.000	-6.5
Aroclor-1260-4	7.481	7.383	7.583	461.970	500.000	-7.6
Aroclor-1260-5	7.719	7.622	7.822	461.020	500.000	-7.8
Decachlorobiphenyl	9.215	9.119	9.319	46.350	50.000	-7.3
Tetrachloro-m-xylene	4.051	3.952	4.152	48.370	50.000	-3.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
 Data File : PP067813.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2024 22:04
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 02:03:35 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.051	47147992	48873988	50.935	48.371
2) SA Decachlor...	10.667	9.215	55461082	51982688	48.172	46.353
Target Compounds						
3) L1 AR-1016-1	5.917	5.160	17061709	16785940	515.979	479.773
4) L1 AR-1016-2	5.941	5.179	24187297	23006957	495.938	477.634
5) L1 AR-1016-3	6.003	5.360	15831905	13036686	502.410	483.961
6) L1 AR-1016-4	6.102	5.399	12638390	11513367	490.933	478.029
7) L1 AR-1016-5	6.396	5.618	13310840	15075626	491.775	495.748
31) L7 AR-1260-1	7.520	6.662	25246981	26702793	467.332	468.783
32) L7 AR-1260-2	7.773	6.849	29848765	31522163	471.762	472.565
33) L7 AR-1260-3	8.135	7.006	24523755	29776460	472.986	467.440
34) L7 AR-1260-4	8.373	7.481	28085974	25543649	466.588	461.971
35) L7 AR-1260-5	8.710	7.719	50987229	56381759	473.366	461.017

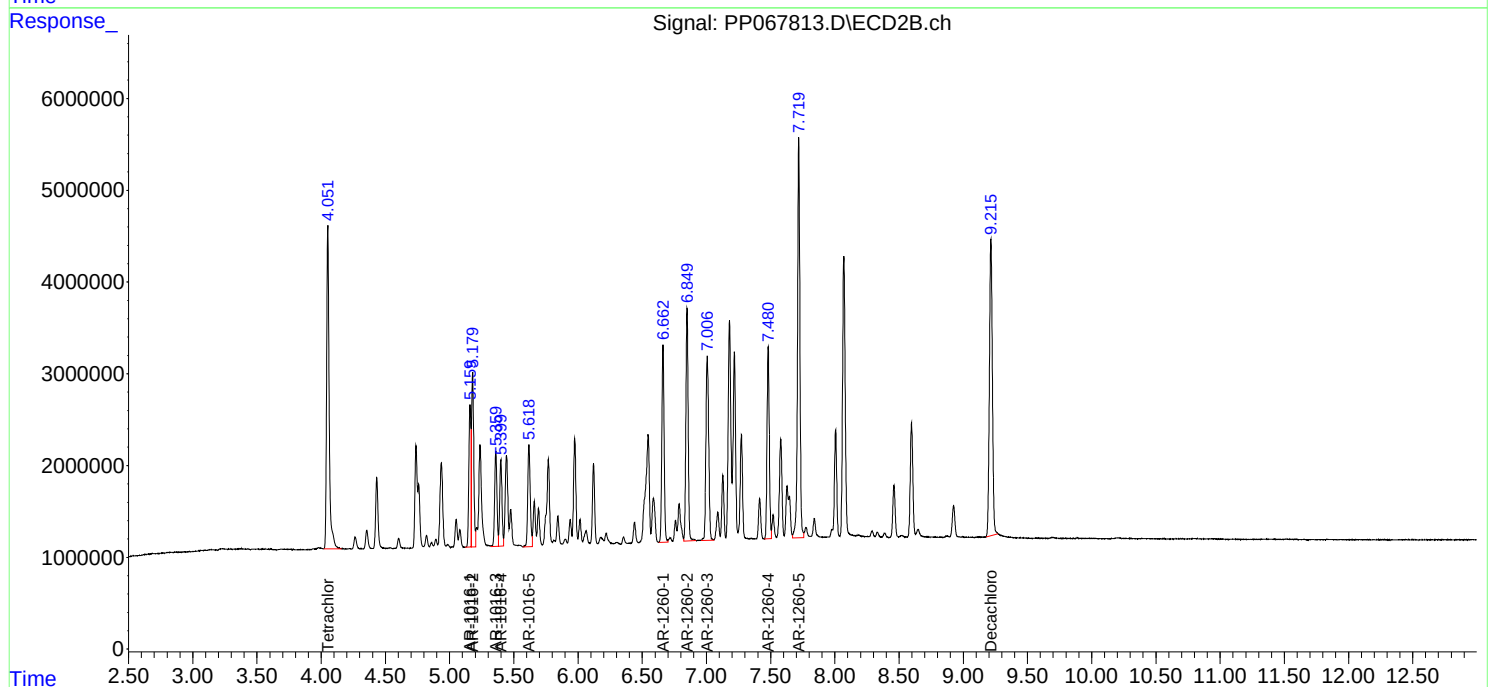
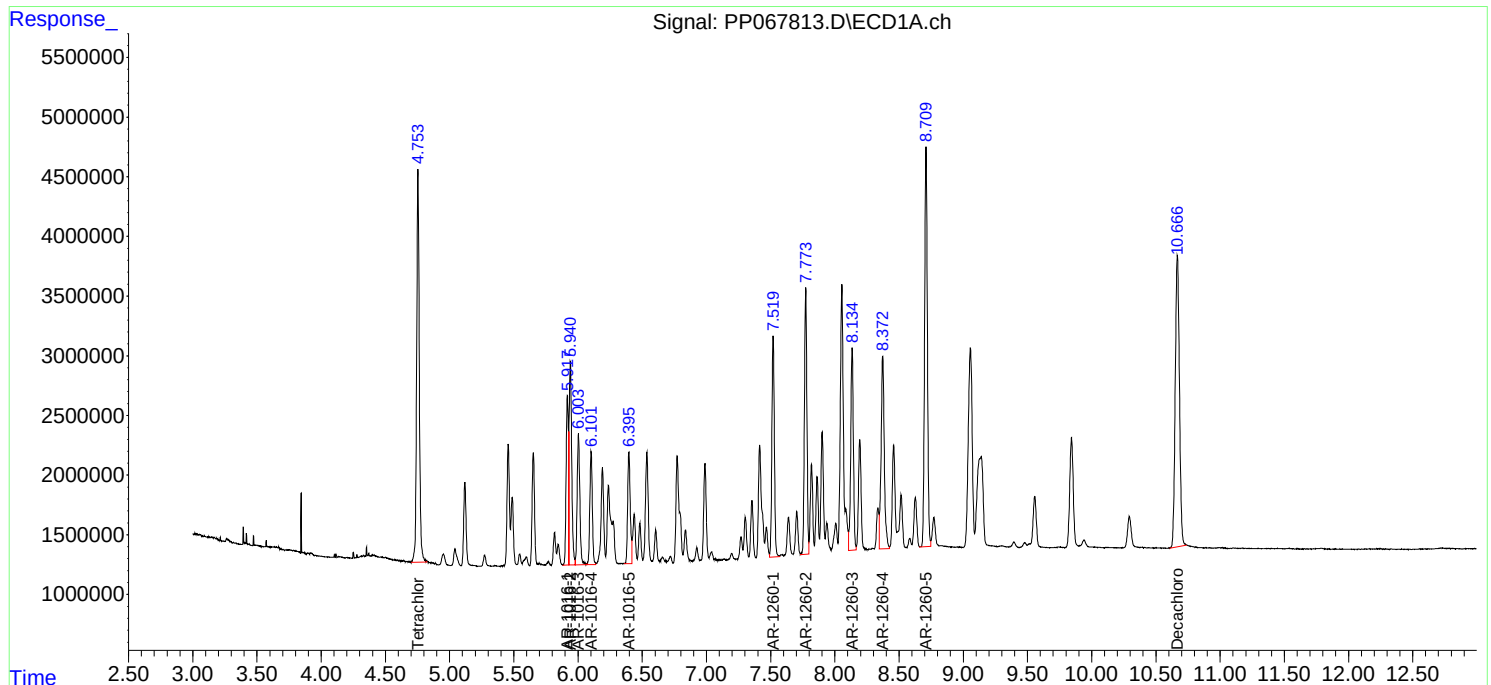
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
Data File : PP067813.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2024 22:04
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 02:03:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

Continuing Calib Date: 10/15/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 09:43 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.00	6.01	5.91	6.11	0.01
Aroclor-1016-4	(4)	6.10	6.10	6.00	6.20	0.00
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.77	7.78	7.68	7.88	0.01
Aroclor-1260-3	(3)	8.13	8.14	8.04	8.24	0.01
Aroclor-1260-4	(4)	8.37	8.38	8.28	8.48	0.01
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.75	4.76	4.66	4.86	0.01
Decachlorobiphenyl		10.67	10.67	10.57	10.77	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

Continuing Calib Date: 10/15/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 09:43 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.22	9.12	9.32	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

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

Client Sample No.: CCAL04 Date Analyzed: 10/15/2024

Lab Sample No.: AR1660CCC500 Data File : PP067825.D Time Analyzed: 09:43

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.918	5.819	6.019	504.470	500.000	0.9
Aroclor-1016-2	5.939	5.842	6.042	495.590	500.000	-0.9
Aroclor-1016-3	6.003	5.905	6.105	485.130	500.000	-3.0
Aroclor-1016-4	6.101	6.003	6.203	482.020	500.000	-3.6
Aroclor-1016-5	6.396	6.298	6.498	498.860	500.000	-0.2
Aroclor-1260-1	7.519	7.422	7.622	510.610	500.000	2.1
Aroclor-1260-2	7.773	7.675	7.875	497.120	500.000	-0.6
Aroclor-1260-3	8.134	8.037	8.237	496.870	500.000	-0.6
Aroclor-1260-4	8.372	8.275	8.475	488.420	500.000	-2.3
Aroclor-1260-5	8.709	8.612	8.812	491.890	500.000	-1.6
Decachlorobiphenyl	10.666	10.569	10.769	49.880	50.000	-0.2
Tetrachloro-m-xylene	4.754	4.655	4.855	51.640	50.000	3.3



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

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

Client Sample No.: CCAL04 Date Analyzed: 10/15/2024

Lab Sample No.: AR1660CCC500 Data File : PP067825.D Time Analyzed: 09:43

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.160	5.061	5.261	484.180	500.000	-3.2
Aroclor-1016-2	5.180	5.081	5.281	485.730	500.000	-2.9
Aroclor-1016-3	5.360	5.262	5.462	495.670	500.000	-0.9
Aroclor-1016-4	5.399	5.301	5.501	489.210	500.000	-2.2
Aroclor-1016-5	5.618	5.520	5.720	537.700	500.000	7.5
Aroclor-1260-1	6.661	6.564	6.764	485.280	500.000	-2.9
Aroclor-1260-2	6.848	6.750	6.950	482.190	500.000	-3.6
Aroclor-1260-3	7.006	6.908	7.108	499.050	500.000	-0.2
Aroclor-1260-4	7.480	7.383	7.583	488.900	500.000	-2.2
Aroclor-1260-5	7.718	7.622	7.822	486.860	500.000	-2.6
Decachlorobiphenyl	9.214	9.119	9.319	48.300	50.000	-3.4
Tetrachloro-m-xylene	4.051	3.952	4.152	49.260	50.000	-1.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101524\
 Data File : PP067825.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 09:43
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 12:03:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.051	47804469	49770936	51.645	49.259
2) SA Decachlor...	10.666	9.214	57427606	54163992	49.880	48.298
Target Compounds						
3) L1 AR-1016-1	5.918	5.160	16681298	16940288	504.475	484.185
4) L1 AR-1016-2	5.939	5.180	24170440	23397147	495.592	485.735
5) L1 AR-1016-3	6.003	5.360	15287467	13352167	485.132	495.672
6) L1 AR-1016-4	6.101	5.399	12408831	11782776	482.015	489.214
7) L1 AR-1016-5	6.396	5.618	13502685	16351308	498.863	537.698
31) L7 AR-1260-1	7.519	6.661	27585094	27642425	510.611	485.279
32) L7 AR-1260-2	7.773	6.848	31453357	32164200	497.123	482.190
33) L7 AR-1260-3	8.134	7.006	25761943	31790281	496.866	499.054
34) L7 AR-1260-4	8.372	7.480	29400170	27032710	488.420	488.902
35) L7 AR-1260-5	8.709	7.718	52983021	59541710	491.895	486.855

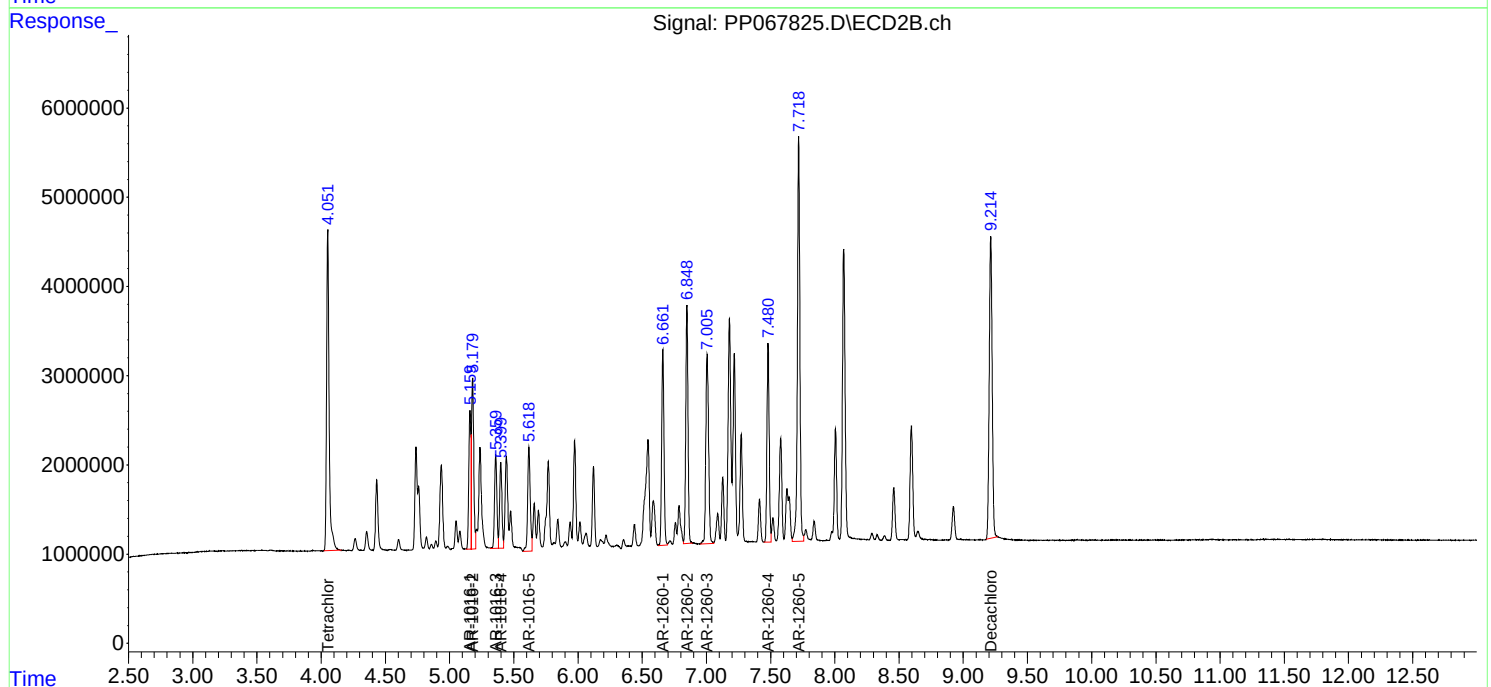
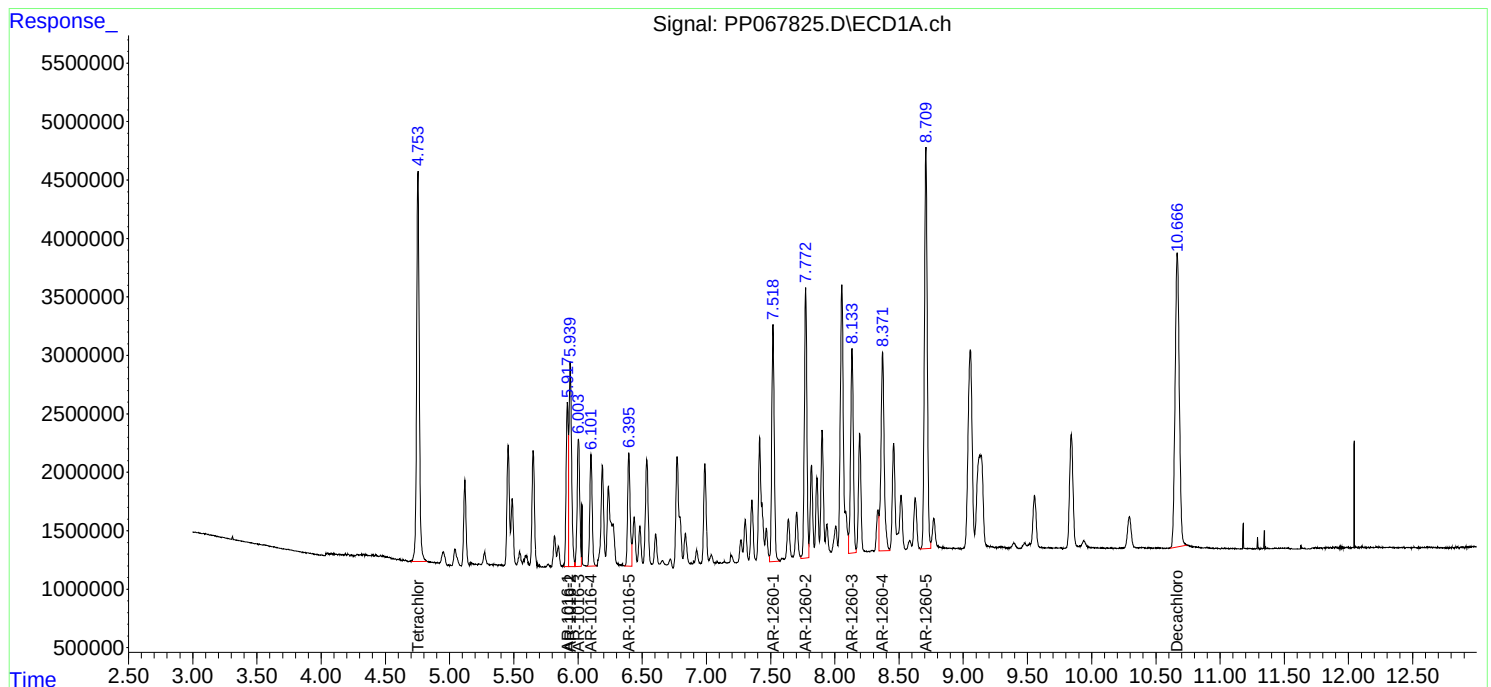
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101524\
Data File : PP067825.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 09:43
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 12:03:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

Continuing Calib Date: 10/15/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 13:48 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.00	6.01	5.91	6.11	0.01
Aroclor-1016-4	(4)	6.10	6.10	6.00	6.20	0.00
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.77	7.78	7.68	7.88	0.01
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.37	8.38	8.28	8.48	0.01
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.75	4.76	4.66	4.86	0.01
Decachlorobiphenyl		10.67	10.67	10.57	10.77	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

Continuing Calib Date: 10/15/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 13:48 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.22	9.12	9.32	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

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

Client Sample No.: CCAL05 Date Analyzed: 10/15/2024

Lab Sample No.: AR1660CCC500 Data File : PP067840.D Time Analyzed: 13:48

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.917	5.819	6.019	517.170	500.000	3.4
Aroclor-1016-2	5.940	5.842	6.042	502.110	500.000	0.4
Aroclor-1016-3	6.003	5.905	6.105	503.950	500.000	0.8
Aroclor-1016-4	6.102	6.003	6.203	495.350	500.000	-0.9
Aroclor-1016-5	6.396	6.298	6.498	507.580	500.000	1.5
Aroclor-1260-1	7.520	7.422	7.622	502.050	500.000	0.4
Aroclor-1260-2	7.773	7.675	7.875	498.100	500.000	-0.4
Aroclor-1260-3	8.135	8.037	8.237	489.130	500.000	-2.2
Aroclor-1260-4	8.373	8.275	8.475	478.190	500.000	-4.4
Aroclor-1260-5	8.710	8.612	8.812	418.960	500.000	-16.2
Decachlorobiphenyl	10.668	10.569	10.769	49.470	50.000	-1.1
Tetrachloro-m-xylene	4.753	4.655	4.855	51.290	50.000	2.6



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

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

Client Sample No.: CCAL05 Date Analyzed: 10/15/2024

Lab Sample No.: AR1660CCC500 Data File : PP067840.D Time Analyzed: 13:48

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.158	5.061	5.261	471.080	500.000	-5.8
Aroclor-1016-2	5.178	5.081	5.281	470.860	500.000	-5.8
Aroclor-1016-3	5.359	5.262	5.462	468.210	500.000	-6.4
Aroclor-1016-4	5.399	5.301	5.501	460.600	500.000	-7.9
Aroclor-1016-5	5.617	5.520	5.720	469.680	500.000	-6.1
Aroclor-1260-1	6.662	6.564	6.764	477.890	500.000	-4.4
Aroclor-1260-2	6.847	6.750	6.950	473.860	500.000	-5.2
Aroclor-1260-3	7.006	6.908	7.108	474.270	500.000	-5.1
Aroclor-1260-4	7.480	7.383	7.583	462.000	500.000	-7.6
Aroclor-1260-5	7.719	7.622	7.822	445.900	500.000	-10.8
Decachlorobiphenyl	9.214	9.119	9.319	47.090	50.000	-5.8
Tetrachloro-m-xylene	4.051	3.952	4.152	47.860	50.000	-4.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101524\
 Data File : PP067840.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 13:48
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 15:47:12 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.753	4.051	47473459	48353600	51.287	47.856
2) SA Decachlor...	10.668	9.214	56950154	52811369	49.466	47.092
Target Compounds						
3) L1 AR-1016-1	5.917	5.158	17101173	16481684	517.172	471.077
4) L1 AR-1016-2	5.940	5.178	24488395	22680573	502.111	470.859
5) L1 AR-1016-3	6.003	5.359	15880369	12612428	503.948	468.211
6) L1 AR-1016-4	6.102	5.399	12751991	11093652	495.345	460.602
7) L1 AR-1016-5	6.396	5.617	13738654	14282833	507.581	469.678m
31) L7 AR-1260-1	7.520	6.662	27122440	27221788	502.047	477.894
32) L7 AR-1260-2	7.773	6.847	31515248	31608326	498.101	473.857
33) L7 AR-1260-3	8.135	7.006	25360901	30211574	489.131	474.271
34) L7 AR-1260-4	8.373	7.480	28784093	25545006	478.185	461.996
35) L7 AR-1260-5	8.710	7.719	45126901	54532949	418.958	445.900

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101524\
Data File : PP067840.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 13:48
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

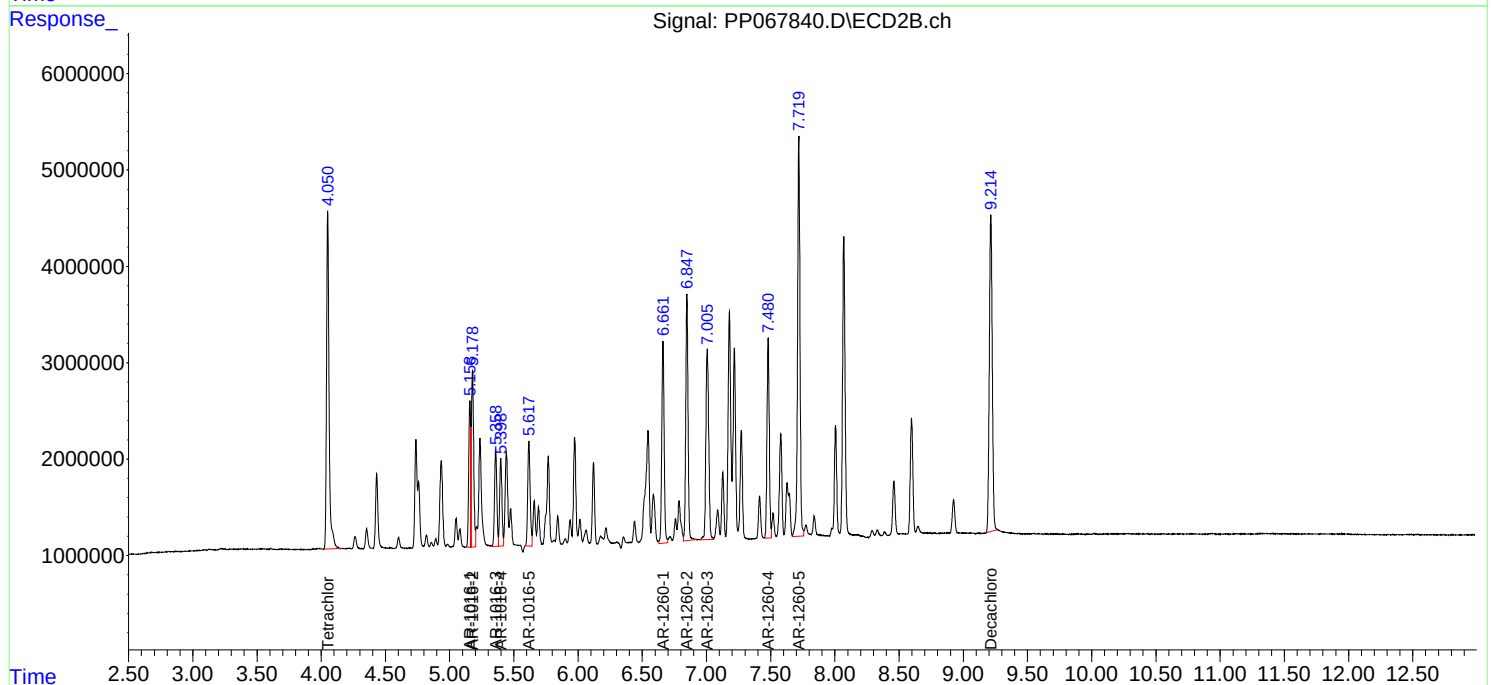
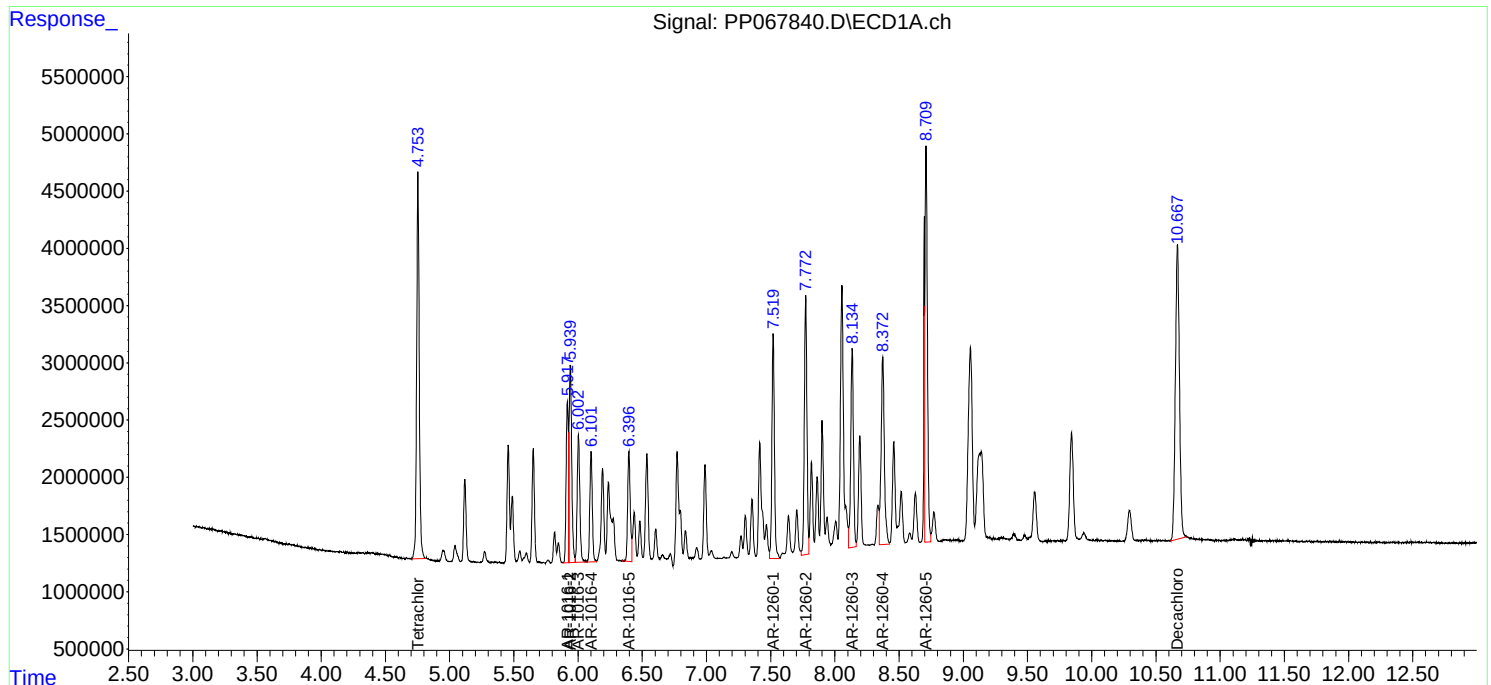
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 15:47:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

Continuing Calib Date: 10/15/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 20:42 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.00	6.01	5.91	6.11	0.01
Aroclor-1016-4	(4)	6.10	6.10	6.00	6.20	0.00
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.77	7.78	7.68	7.88	0.01
Aroclor-1260-3	(3)	8.13	8.14	8.04	8.24	0.01
Aroclor-1260-4	(4)	8.37	8.38	8.28	8.48	0.01
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.75	4.76	4.66	4.86	0.01
Decachlorobiphenyl		10.67	10.67	10.57	10.77	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

Continuing Calib Date: 10/15/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 20:42 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.22	9.12	9.32	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

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

Client Sample No.: CCAL06 Date Analyzed: 10/15/2024

Lab Sample No.: AR1660CCC500 Data File : PP067865.D Time Analyzed: 20:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.917	5.819	6.019	531.810	500.000	6.4
Aroclor-1016-2	5.944	5.842	6.042	576.610	500.000	15.3
Aroclor-1016-3	6.003	5.905	6.105	520.950	500.000	4.2
Aroclor-1016-4	6.101	6.003	6.203	520.890	500.000	4.2
Aroclor-1016-5	6.396	6.298	6.498	524.100	500.000	4.8
Aroclor-1260-1	7.520	7.422	7.622	489.810	500.000	-2.0
Aroclor-1260-2	7.772	7.675	7.875	485.520	500.000	-2.9
Aroclor-1260-3	8.134	8.037	8.237	485.080	500.000	-3.0
Aroclor-1260-4	8.372	8.275	8.475	484.150	500.000	-3.2
Aroclor-1260-5	8.710	8.612	8.812	486.460	500.000	-2.7
Decachlorobiphenyl	10.666	10.569	10.769	49.890	50.000	-0.2
Tetrachloro-m-xylene	4.753	4.655	4.855	52.150	50.000	4.3



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

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

Client Sample No.: CCAL06 Date Analyzed: 10/15/2024

Lab Sample No.: AR1660CCC500 Data File : PP067865.D Time Analyzed: 20:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.159	5.061	5.261	521.720	500.000	4.3
Aroclor-1016-2	5.179	5.081	5.281	506.320	500.000	1.3
Aroclor-1016-3	5.359	5.262	5.462	547.220	500.000	9.4
Aroclor-1016-4	5.398	5.301	5.501	530.880	500.000	6.2
Aroclor-1016-5	5.618	5.520	5.720	554.590	500.000	10.9
Aroclor-1260-1	6.661	6.564	6.764	479.920	500.000	-4.0
Aroclor-1260-2	6.847	6.750	6.950	477.330	500.000	-4.5
Aroclor-1260-3	7.006	6.908	7.108	475.190	500.000	-5.0
Aroclor-1260-4	7.480	7.383	7.583	467.600	500.000	-6.5
Aroclor-1260-5	7.718	7.622	7.822	468.400	500.000	-6.3
Decachlorobiphenyl	9.213	9.119	9.319	46.520	50.000	-7.0
Tetrachloro-m-xylene	4.051	3.952	4.152	50.900	50.000	1.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101524\
 Data File : PP067865.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 20:42
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 02:55:38 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.753	4.051	48270241	51426109	52.148	50.897
2) SA Decachlor...	10.666	9.213	57443137	52171063	49.894	46.521
Target Compounds						
3) L1 AR-1016-1	5.917	5.159	17585249	18253490	531.812	521.718
4) L1 AR-1016-2	5.944	5.179	28121732	24388795	576.609	506.322
5) L1 AR-1016-3	6.003	5.359	16416072	14740695	520.948	547.218
6) L1 AR-1016-4	6.101	5.398	13409495	12786410	520.886	530.885
7) L1 AR-1016-5	6.396	5.618	14185694	16865140	524.097	554.594
31) L7 AR-1260-1	7.520	6.661	26461446	27336923	489.812	479.915
32) L7 AR-1260-2	7.772	6.847	30719183	31839728	485.519	477.326
33) L7 AR-1260-3	8.134	7.006	25150705	30269988	485.077	475.188
34) L7 AR-1260-4	8.372	7.480	29143362	25854997	484.154	467.602
35) L7 AR-1260-5	8.710	7.718	52397452	57284433	486.458	468.398

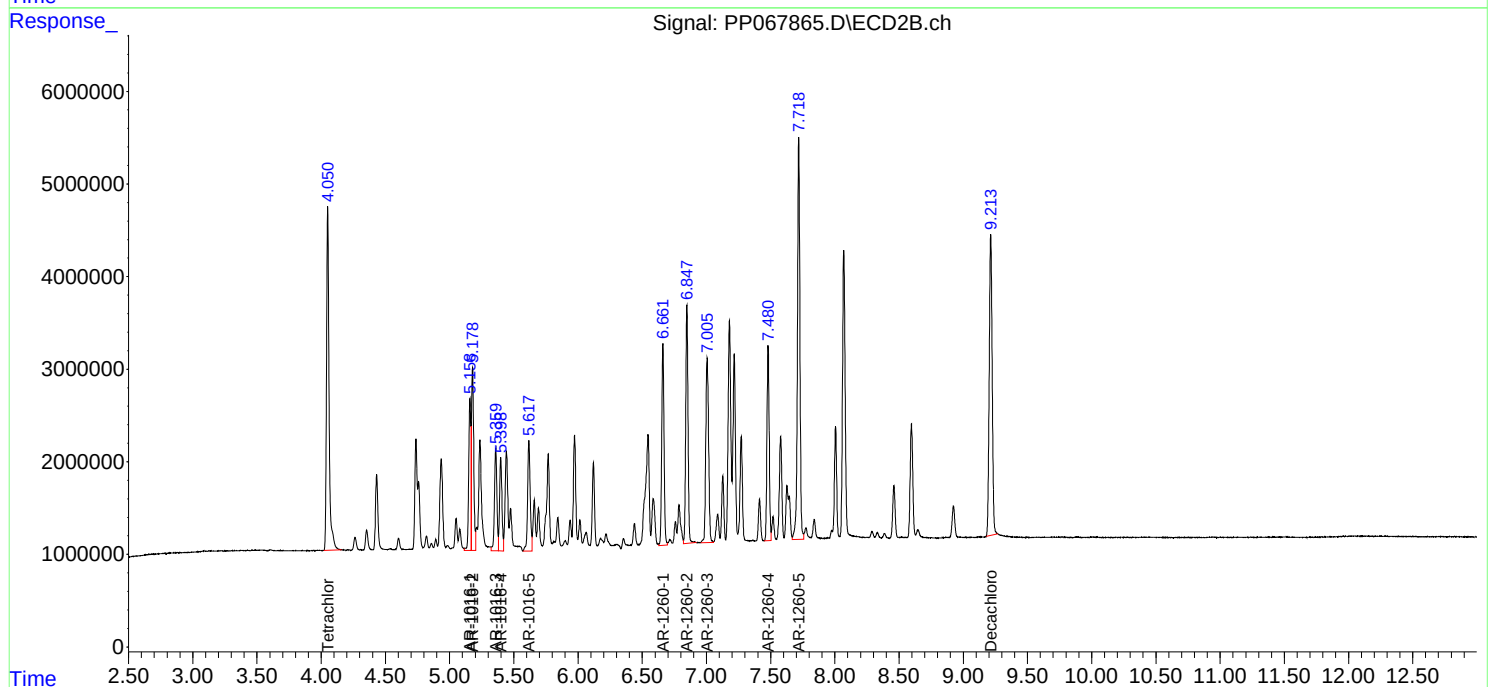
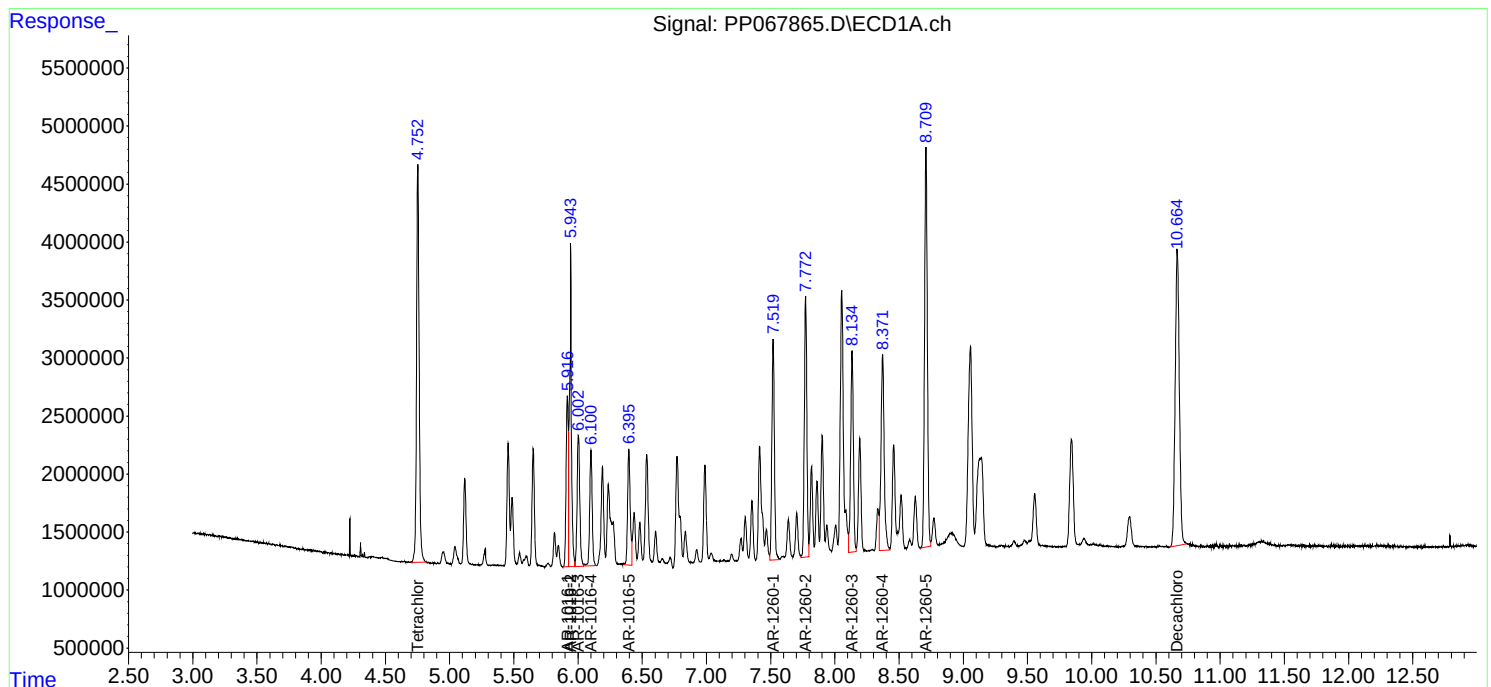
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101524\
Data File : PP067865.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:42
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:55:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Analytical Sequence

Client: Portal Partners Tri-Venture

SDG No.: P4397

Project: Amtrak Sawtooth Bridges 2024

Instrument ID: ECD_P

GC Column: ZB-MR1

ID: 0.32 (mm)

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

10/08/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/08/2024	16:14	PP067586.D	10.67	4.75
AR1660ICC1000	AR1660ICC1000	10/08/2024	16:30	PP067587.D	10.67	4.75
AR1660ICC750	AR1660ICC750	10/08/2024	16:46	PP067588.D	10.67	4.75
AR1660ICC500	AR1660ICC500	10/08/2024	17:02	PP067589.D	10.67	4.76
AR1660ICC250	AR1660ICC250	10/08/2024	17:19	PP067590.D	10.67	4.75
AR1660ICC050	AR1660ICC050	10/08/2024	17:35	PP067591.D	10.67	4.76
AR1221ICC500	AR1221ICC500	10/08/2024	17:51	PP067592.D	10.67	4.75
AR1232ICC500	AR1232ICC500	10/08/2024	18:07	PP067593.D	10.67	4.75
AR1242ICC1000	AR1242ICC1000	10/08/2024	18:23	PP067594.D	10.67	4.76
AR1242ICC750	AR1242ICC750	10/08/2024	18:39	PP067595.D	10.67	4.76
AR1242ICC500	AR1242ICC500	10/08/2024	18:55	PP067596.D	10.67	4.75
AR1242ICC250	AR1242ICC250	10/08/2024	19:12	PP067597.D	10.67	4.76
AR1242ICC050	AR1242ICC050	10/08/2024	19:28	PP067598.D	10.67	4.75
AR1248ICC1000	AR1248ICC1000	10/08/2024	19:44	PP067599.D	10.67	4.75
AR1248ICC750	AR1248ICC750	10/08/2024	20:00	PP067600.D	10.67	4.75
AR1248ICC500	AR1248ICC500	10/08/2024	20:16	PP067601.D	10.67	4.75
AR1248ICC250	AR1248ICC250	10/08/2024	20:32	PP067602.D	10.67	4.75
AR1248ICC050	AR1248ICC050	10/08/2024	20:49	PP067603.D	10.66	4.75
AR1254ICC1000	AR1254ICC1000	10/08/2024	21:05	PP067604.D	10.67	4.76
AR1254ICC750	AR1254ICC750	10/08/2024	21:21	PP067605.D	10.67	4.75
AR1254ICC500	AR1254ICC500	10/08/2024	21:37	PP067606.D	10.67	4.75
AR1254ICC250	AR1254ICC250	10/08/2024	21:53	PP067607.D	10.67	4.75
AR1254ICC050	AR1254ICC050	10/08/2024	22:09	PP067608.D	10.66	4.75
AR1262ICC500	AR1262ICC500	10/08/2024	22:25	PP067609.D	10.66	4.75
AR1268ICC1000	AR1268ICC1000	10/08/2024	22:42	PP067610.D	10.67	4.76
AR1268ICC750	AR1268ICC750	10/08/2024	22:58	PP067611.D	10.67	4.75
AR1268ICC500	AR1268ICC500	10/08/2024	23:14	PP067612.D	10.67	4.75
AR1268ICC250	AR1268ICC250	10/08/2024	23:30	PP067613.D	10.67	4.75
AR1268ICC050	AR1268ICC050	10/08/2024	23:46	PP067614.D	10.67	4.75
AR1660CCC500	AR1660CCC500	10/14/2024	09:11	PP067774.D	10.68	4.76
IBLK	IBLK	10/14/2024	11:21	PP067778.D	10.67	4.76
PB164124BL	PB164124BL	10/14/2024	14:31	PP067787.D	10.67	4.76
PB164124BS	PB164124BS	10/14/2024	14:48	PP067788.D	10.68	4.76
AR1660CCC500	AR1660CCC500	10/14/2024	15:36	PP067791.D	10.67	4.76
IBLK	IBLK	10/14/2024	15:52	PP067792.D	10.67	4.76
WB-301-TOP	P4397-01	10/14/2024	20:22	PP067808.D	10.67	4.76
WB-301-BOT	P4397-02	10/14/2024	20:38	PP067809.D	10.67	4.76
WB-301-BOTMS	P4397-02MS	10/14/2024	20:54	PP067810.D	10.67	4.76
WB-301-BOTMSD	P4397-02MSD	10/14/2024	21:10	PP067811.D	10.67	4.75
WB-301-SW	P4397-04	10/14/2024	21:26	PP067812.D	10.67	4.76
AR1660CCC500	AR1660CCC500	10/14/2024	22:04	PP067813.D	10.67	4.75
IBLK	IBLK	10/14/2024	23:09	PP067817.D	10.67	4.76

Analytical Sequence

AR1660CCC500	AR1660CCC500	10/15/2024	09:43	PP067825.D	10.67	4.75
LBLK	LBLK	10/15/2024	10:47	PP067829.D	10.67	4.75
PB164139BL	PB164139BL	10/15/2024	13:16	PP067838.D	10.67	4.75
AR1660CCC500	AR1660CCC500	10/15/2024	13:48	PP067840.D	10.67	4.75
LBLK	LBLK	10/15/2024	14:53	PP067844.D	10.67	4.76
PB164139BS	PB164139BS	10/15/2024	15:09	PP067845.D	10.67	4.75
PB164139BSD	PB164139BSD	10/15/2024	15:25	PP067846.D	10.67	4.76
AR1660CCC500	AR1660CCC500	10/15/2024	20:42	PP067865.D	10.67	4.75
LBLK	LBLK	10/15/2024	20:58	PP067866.D	10.67	4.75

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: P4397
Project: Amtrak Sawtooth Bridges 2024	Instrument ID: ECD_P
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/08/2024 10/08/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/08/2024	16:14	PP067586.D	9.22	4.05
AR1660ICC1000	AR1660ICC1000	10/08/2024	16:30	PP067587.D	9.22	4.05
AR1660ICC750	AR1660ICC750	10/08/2024	16:46	PP067588.D	9.22	4.05
AR1660ICC500	AR1660ICC500	10/08/2024	17:02	PP067589.D	9.22	4.05
AR1660ICC250	AR1660ICC250	10/08/2024	17:19	PP067590.D	9.22	4.05
AR1660ICC050	AR1660ICC050	10/08/2024	17:35	PP067591.D	9.22	4.05
AR1221ICC500	AR1221ICC500	10/08/2024	17:51	PP067592.D	9.22	4.05
AR1232ICC500	AR1232ICC500	10/08/2024	18:07	PP067593.D	9.22	4.05
AR1242ICC1000	AR1242ICC1000	10/08/2024	18:23	PP067594.D	9.22	4.05
AR1242ICC750	AR1242ICC750	10/08/2024	18:39	PP067595.D	9.22	4.05
AR1242ICC500	AR1242ICC500	10/08/2024	18:55	PP067596.D	9.22	4.05
AR1242ICC250	AR1242ICC250	10/08/2024	19:12	PP067597.D	9.22	4.05
AR1242ICC050	AR1242ICC050	10/08/2024	19:28	PP067598.D	9.22	4.05
AR1248ICC1000	AR1248ICC1000	10/08/2024	19:44	PP067599.D	9.22	4.05
AR1248ICC750	AR1248ICC750	10/08/2024	20:00	PP067600.D	9.22	4.05
AR1248ICC500	AR1248ICC500	10/08/2024	20:16	PP067601.D	9.22	4.05
AR1248ICC250	AR1248ICC250	10/08/2024	20:32	PP067602.D	9.22	4.05
AR1248ICC050	AR1248ICC050	10/08/2024	20:49	PP067603.D	9.22	4.05
AR1254ICC1000	AR1254ICC1000	10/08/2024	21:05	PP067604.D	9.22	4.05
AR1254ICC750	AR1254ICC750	10/08/2024	21:21	PP067605.D	9.22	4.05
AR1254ICC500	AR1254ICC500	10/08/2024	21:37	PP067606.D	9.22	4.05
AR1254ICC250	AR1254ICC250	10/08/2024	21:53	PP067607.D	9.22	4.05
AR1254ICC050	AR1254ICC050	10/08/2024	22:09	PP067608.D	9.22	4.05
AR1262ICC500	AR1262ICC500	10/08/2024	22:25	PP067609.D	9.22	4.05
AR1268ICC1000	AR1268ICC1000	10/08/2024	22:42	PP067610.D	9.22	4.05
AR1268ICC750	AR1268ICC750	10/08/2024	22:58	PP067611.D	9.22	4.05
AR1268ICC500	AR1268ICC500	10/08/2024	23:14	PP067612.D	9.22	4.05
AR1268ICC250	AR1268ICC250	10/08/2024	23:30	PP067613.D	9.22	4.05
AR1268ICC050	AR1268ICC050	10/08/2024	23:46	PP067614.D	9.22	4.05
AR1660CCC500	AR1660CCC500	10/14/2024	09:11	PP067774.D	9.22	4.05
IBLK	IBLK	10/14/2024	11:21	PP067778.D	9.22	4.05
PB164124BL	PB164124BL	10/14/2024	14:31	PP067787.D	9.22	4.05
PB164124BS	PB164124BS	10/14/2024	14:48	PP067788.D	9.22	4.05
AR1660CCC500	AR1660CCC500	10/14/2024	15:36	PP067791.D	9.22	4.05
IBLK	IBLK	10/14/2024	15:52	PP067792.D	9.22	4.05
WB-301-TOP	P4397-01	10/14/2024	20:22	PP067808.D	9.22	4.05
WB-301-BOT	P4397-02	10/14/2024	20:38	PP067809.D	9.22	4.05
WB-301-BOTMS	P4397-02MS	10/14/2024	20:54	PP067810.D	9.22	4.05
WB-301-BOTMSD	P4397-02MSD	10/14/2024	21:10	PP067811.D	9.22	4.05
WB-301-SW	P4397-04	10/14/2024	21:26	PP067812.D	9.22	4.05
AR1660CCC500	AR1660CCC500	10/14/2024	22:04	PP067813.D	9.22	4.05
IBLK	IBLK	10/14/2024	23:09	PP067817.D	9.22	4.05

Analytical Sequence

AR1660CCC500	AR1660CCC500	10/15/2024	09:43	PP067825.D	9.21	4.05
I.BLK	I.BLK	10/15/2024	10:47	PP067829.D	9.23	4.07
PB164139BL	PB164139BL	10/15/2024	13:16	PP067838.D	9.22	4.05
AR1660CCC500	AR1660CCC500	10/15/2024	13:48	PP067840.D	9.21	4.05
I.BLK	I.BLK	10/15/2024	14:53	PP067844.D	9.22	4.05
PB164139BS	PB164139BS	10/15/2024	15:09	PP067845.D	9.21	4.05
PB164139BSD	PB164139BSD	10/15/2024	15:25	PP067846.D	9.22	4.05
AR1660CCC500	AR1660CCC500	10/15/2024	20:42	PP067865.D	9.21	4.05
I.BLK	I.BLK	10/15/2024	20:58	PP067866.D	9.21	4.05



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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164124BS

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

Lab Sample ID: PB164124BS Date(s) Analyzed: 10/14/2024 10/14/2024

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

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

Data file PP067788.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.922	5.872	5.972	157	153	6.06
COLUMN 1	2	5.945	5.895	5.995	152		
	3	6.008	5.958	6.058	156		
	4	6.106	6.056	6.156	153		
	5	6.4	6.35	6.45	147		
	1	5.162	5.112	5.212	146		
COLUMN 2	2	5.182	5.132	5.232	145	144	
	3	5.363	5.313	5.413	146		
	4	5.402	5.352	5.452	143		
	5	5.621	5.571	5.671	141		
Aroclor-1260	1	7.525	7.475	7.575	153	143	1.41
COLUMN 1	2	7.778	7.728	7.828	153		
	3	8.14	8.09	8.19	134		
	4	8.378	8.328	8.428	140		
	5	8.716	8.666	8.766	134		
	1	6.666	6.616	6.716	148	141	
COLUMN 2	2	6.852	6.802	6.902	148		
	3	7.01	6.96	7.06	147		
	4	7.485	7.435	7.535	130		
	5	7.723	7.673	7.773	130		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WB-301-BOTMS

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

Lab Sample ID: P4397-02MS Date(s) Analyzed: 10/14/2024 10/14/2024

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

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

Data file PP067810.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.919	5.869	5.969	259	247	3.29
COLUMN 1	2	5.941	5.891	5.991	243		
	3	6.004	5.954	6.054	245		
	4	6.102	6.052	6.152	242		
	5	6.397	6.347	6.447	245		
	1	5.159	5.109	5.209	251		
COLUMN 2	2	5.179	5.129	5.229	242	239	
	3	5.36	5.31	5.41	251		
	4	5.399	5.349	5.449	236		
	5	5.618	5.568	5.668	217		
Aroclor-1260	1	7.522	7.472	7.572	229	207	1.44
COLUMN 1	2	7.776	7.726	7.826	222		
	3	8.136	8.086	8.186	189		
	4	8.375	8.325	8.425	198		
	5	8.712	8.662	8.762	198		
	1	6.662	6.612	6.712	220	210	
COLUMN 2	2	6.849	6.799	6.899	223		
	3	7.006	6.956	7.056	223		
	4	7.481	7.431	7.531	190		
	5	7.719	7.669	7.769	191		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WB-301-BOTMSD

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

Lab Sample ID: P4397-02MSD Date(s) Analyzed: 10/14/2024 10/14/2024

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

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

Data file PP067811.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.918	5.868	5.968	255	246	4.15
COLUMN 1	2	5.94	5.89	5.99	239		
	3	6.004	5.954	6.054	245		
	4	6.102	6.052	6.152	245		
	5	6.396	6.346	6.446	248		
COLUMN 2	1	5.16	5.11	5.21	244	236	
	2	5.18	5.13	5.23	241		
	3	5.36	5.31	5.41	244		
	4	5.4	5.35	5.45	235		
	5	5.619	5.569	5.669	218		
Aroclor-1260	1	7.52	7.47	7.57	232	209	0.95
COLUMN 1	2	7.774	7.724	7.824	223		
	3	8.135	8.085	8.185	189		
	4	8.372	8.322	8.422	200		
	5	8.709	8.659	8.759	199		
COLUMN 2	1	6.663	6.613	6.713	221	211	
	2	6.849	6.799	6.899	223		
	3	7.007	6.957	7.057	224		
	4	7.482	7.432	7.532	192		
	5	7.719	7.669	7.769	194		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164139BS

Contract: PORT06

Lab Code: CHEM

Case No.: P4397

SAS No.: P4397

SDG NO.: P4397

Lab Sample ID: PB164139BS

Date(s) Analyzed: 10/15/2024

10/15/2024

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

Data file PP067845.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.916	5.866	5.966	4.69	4.60	9.09
COLUMN 1	2	5.938	5.888	5.988	4.65		
	3	6.003	5.953	6.053	4.60		
	4	6.101	6.051	6.151	4.46		
	5	6.395	6.345	6.445	4.45		
	1	5.159	5.109	5.209	4.24		
COLUMN 2	2	5.179	5.129	5.229	4.29	4.20	
	3	5.359	5.309	5.409	4.31		
	4	5.399	5.349	5.449	4.18		
	5	5.617	5.567	5.667	4.14		
	Aroclor-1260	1	7.519	7.469	7.569		4.67
COLUMN 1	2	7.772	7.722	7.822	4.61		
	3	8.134	8.084	8.184	3.94		
	4	8.372	8.322	8.422	4.19		
	5	8.71	8.66	8.76	4.05		
	1	6.662	6.612	6.712	4.32	4.20	
COLUMN 2	2	6.848	6.798	6.898	4.33		
	3	7.005	6.955	7.055	4.38		
	4	7.48	7.43	7.53	3.87		
	5	7.719	7.669	7.769	3.93		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164139BSD

Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

Lab Sample ID: PB164139BSD Date(s) Analyzed: 10/15/2024 10/15/2024

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

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

Data file PP067846.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.919	5.869	5.969	4.38	4.30	7.23
COLUMN 1	2	5.941	5.891	5.991	4.34		
	3	6.005	5.955	6.055	4.30		
	4	6.103	6.053	6.153	4.19		
	5	6.397	6.347	6.447	4.09		
COLUMN 2	1	5.16	5.11	5.21	4.02	4.00	
	2	5.18	5.13	5.23	4.02		
	3	5.36	5.31	5.41	4.10		
	4	5.4	5.35	5.45	3.98		
	5	5.618	5.568	5.668	3.92		
Aroclor-1260	1	7.521	7.471	7.571	4.46	4.10	5
COLUMN 1	2	7.775	7.725	7.825	4.33		
	3	8.136	8.086	8.186	3.72		
	4	8.374	8.324	8.424	3.95		
	5	8.712	8.662	8.762	3.79		
COLUMN 2	1	6.662	6.612	6.712	4.11	3.90	
	2	6.849	6.799	6.899	4.07		
	3	7.007	6.957	7.057	4.12		
	4	7.481	7.431	7.531	3.67		
	5	7.72	7.67	7.77	3.66		



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164124BL	SDG No.:	P4397
Lab Sample ID:	PB164124BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067787.D	1	10/14/24 10:05	10/14/24 14:31	PB164124

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	19.0		30 (32) - 150 (144)	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.3		30 (32) - 150 (175)	111%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
 Data File : PP067787.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2024 14:31
 Operator : YP\AJ
 Sample : PB164124BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB164124BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 14 16:08:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.756	4.053	17608248	18760186	19.023	18.567
2) SA Decachlor...	10.674	9.219	25622093	21714892	22.255	19.363

Target Compounds

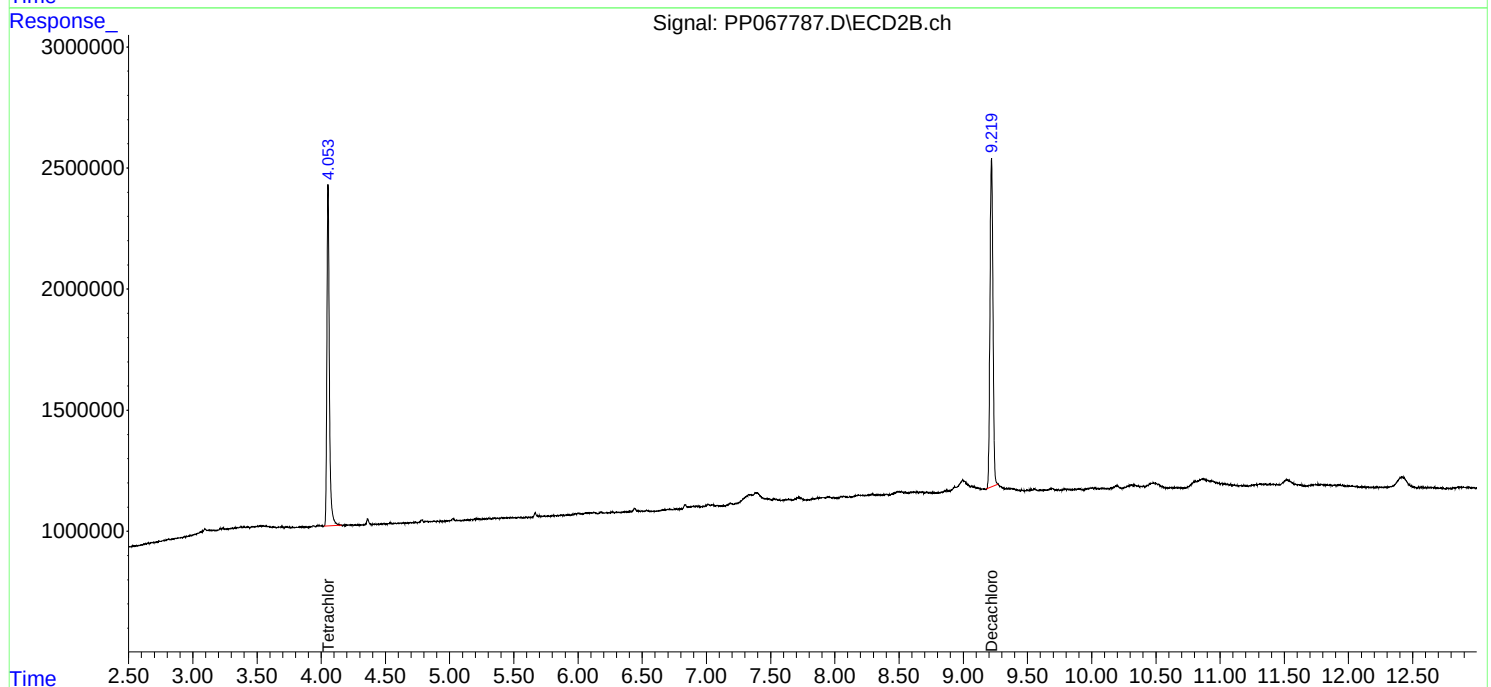
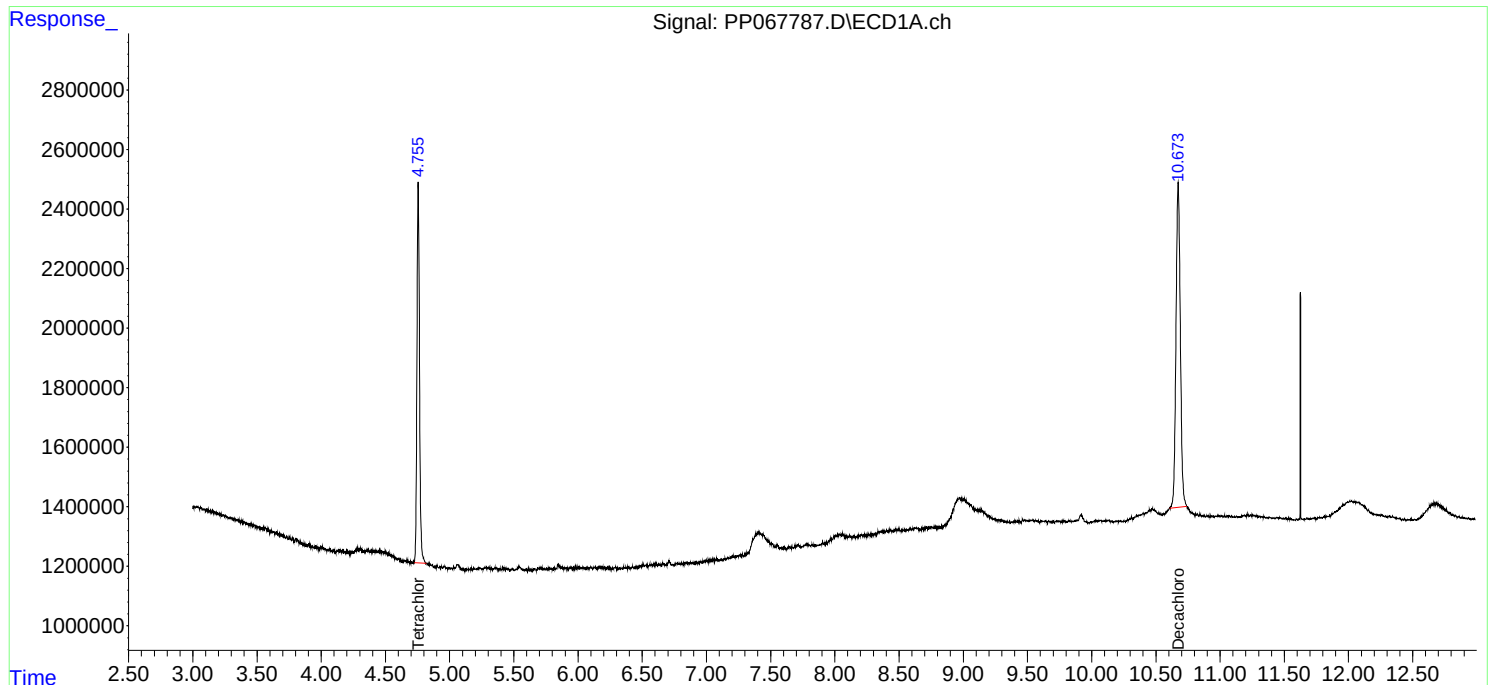
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

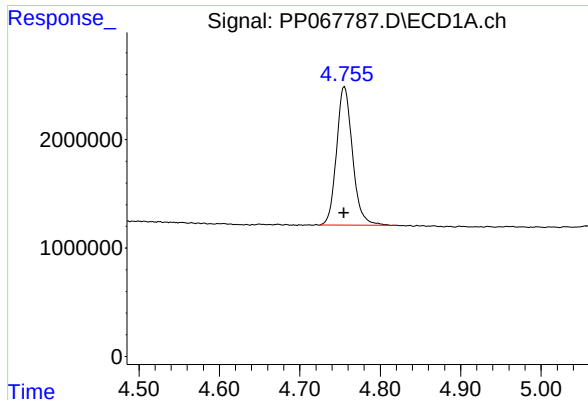
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
Data File : PP067787.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2024 14:31
Operator : YP\AJ
Sample : PB164124BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB164124BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 16:08:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

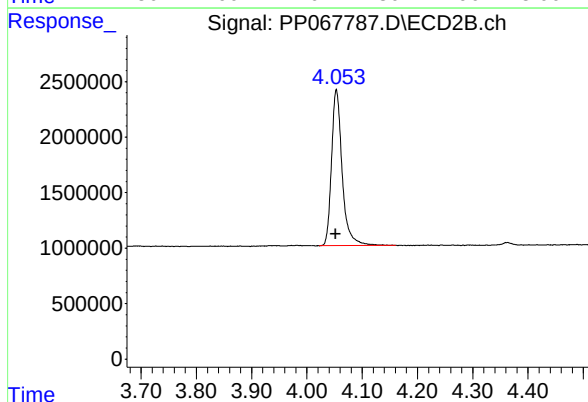




#1 Tetrachloro-m-xylene

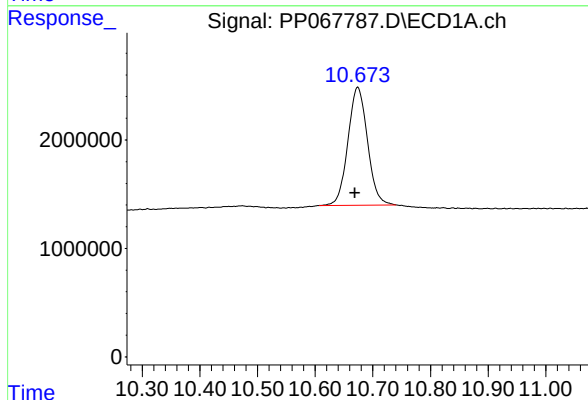
R.T.: 4.756 min
Delta R.T.: 0.000 min
Response: 17608248
Conc: 19.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB164124BL



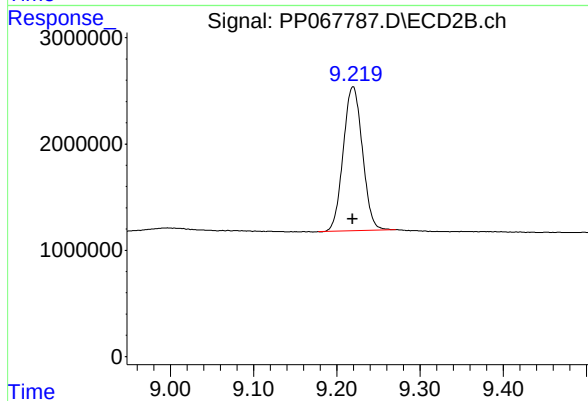
#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.001 min
Response: 18760186
Conc: 18.57 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.674 min
Delta R.T.: 0.005 min
Response: 25622093
Conc: 22.25 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.219 min
Delta R.T.: 0.000 min
Response: 21714892
Conc: 19.36 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:		
Client Sample ID:	PB164139BL		SDG No.:	P4397	
Lab Sample ID:	PB164139BL		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067838.D	1	10/14/24 13:15	10/15/24 13:16	PB164139

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		30 (10) - 150 (157)	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.3		30 (10) - 150 (173)	112%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101524\
 Data File : PP067838.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 13:16
 Operator : YP\AJ
 Sample : PB164139BL
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB164139BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 13:46:00 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.051	19808127	20669800	21.399	20.457
2) SA Decachlor...	10.668	9.215	25676058	24216588	22.302	21.594

Target Compounds

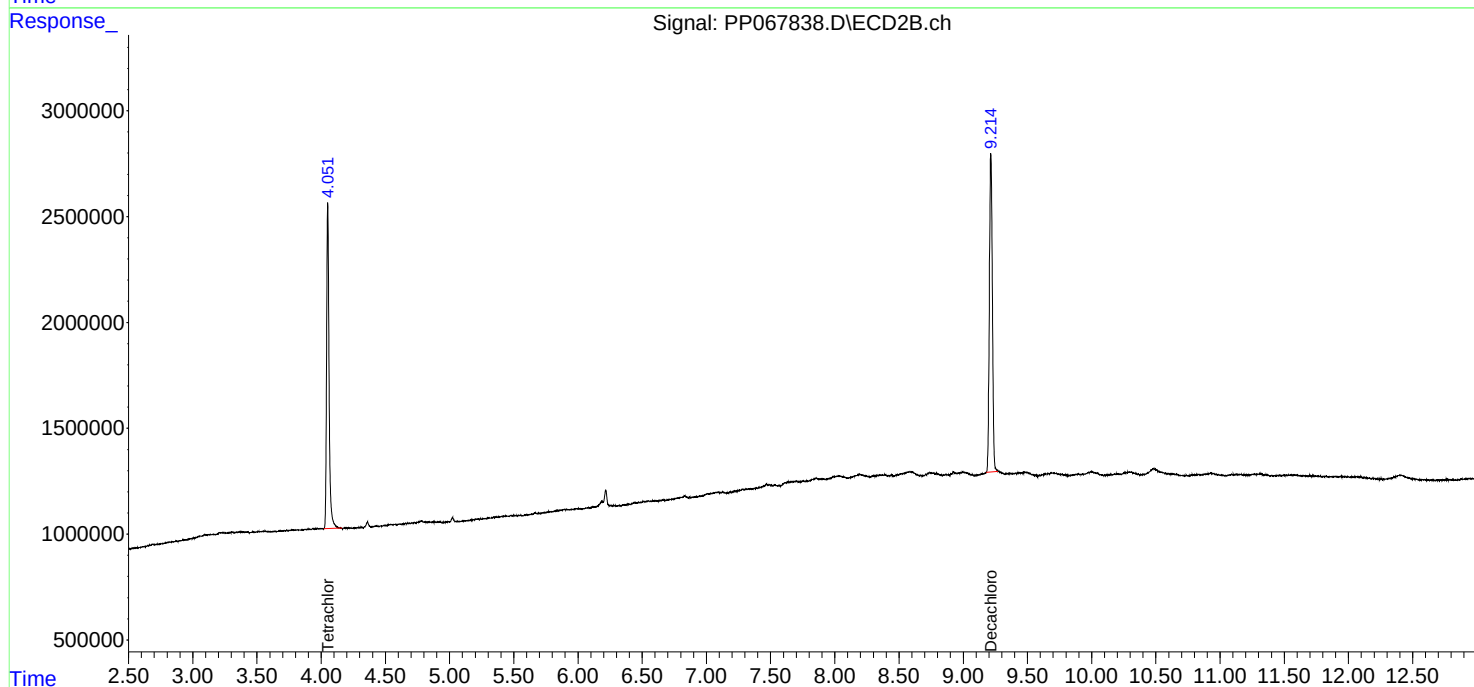
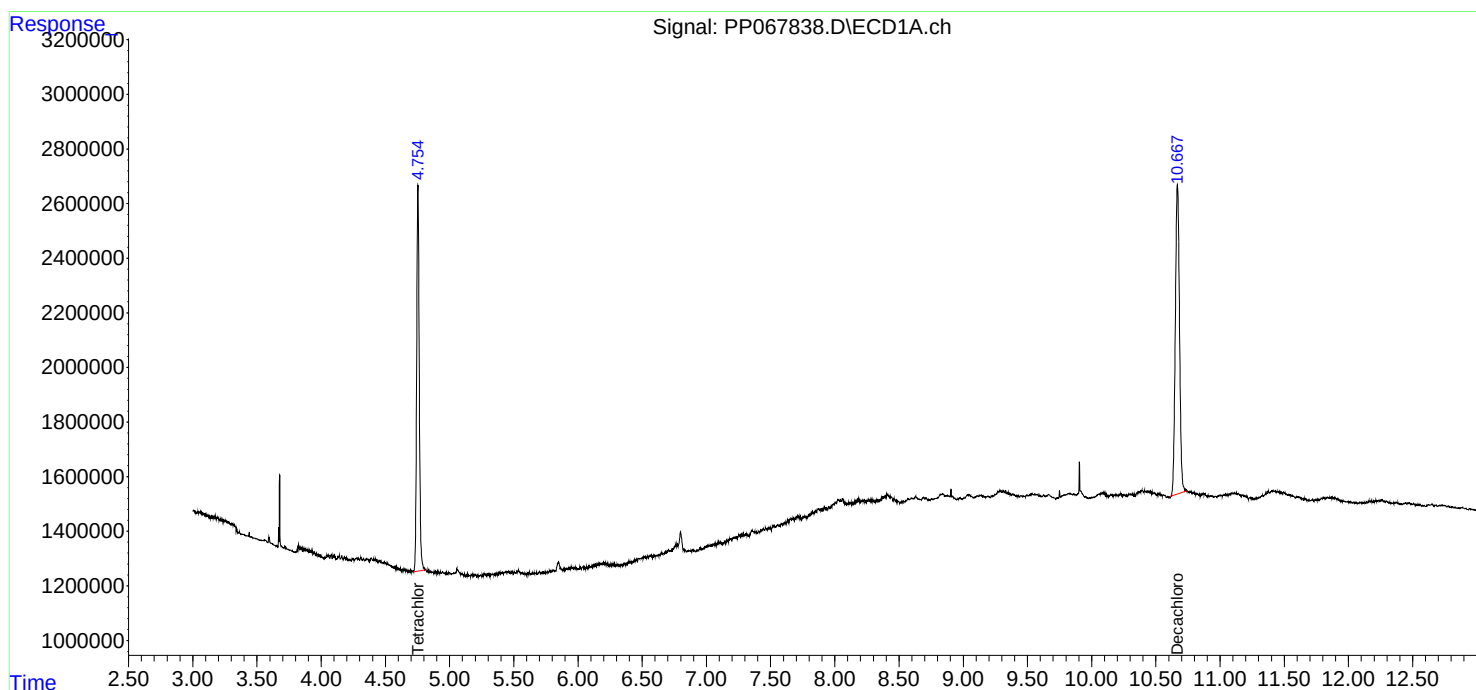
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

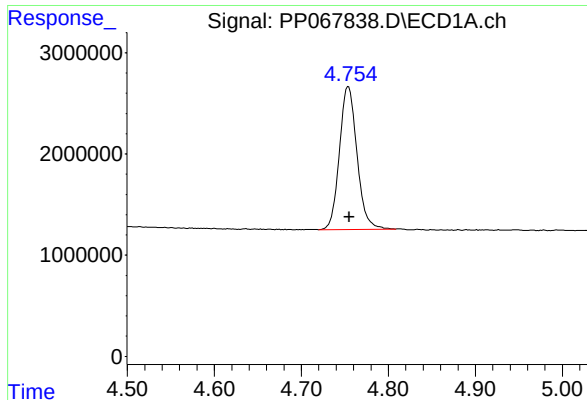
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101524\
Data File : PP067838.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 13:16
Operator : YP\AJ
Sample : PB164139BL
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB164139BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 13:46:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

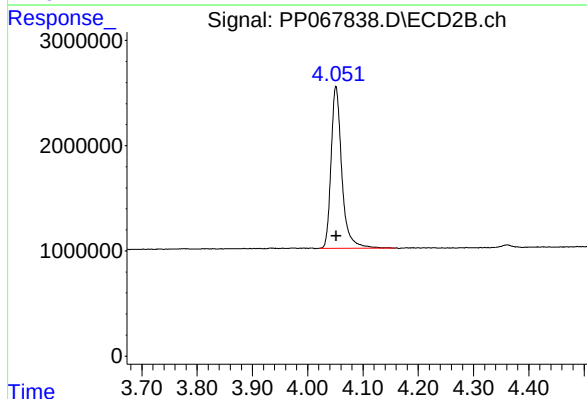




#1 Tetrachloro-m-xylene

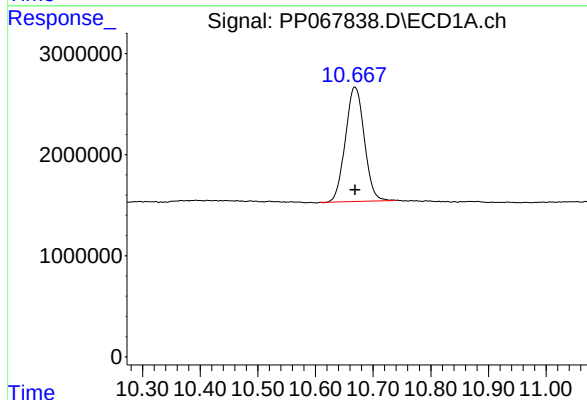
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 19808127
Conc: 21.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB164139BL



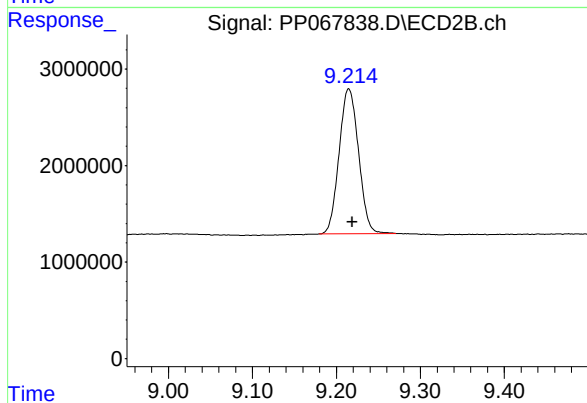
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 20669800
Conc: 20.46 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: 0.000 min
Response: 25676058
Conc: 22.30 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.215 min
Delta R.T.: -0.004 min
Response: 24216588
Conc: 21.59 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/08/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	10/08/24	
Client Sample ID:	PIBLK-PP067586.D		SDG No.:	P4397	
Lab Sample ID:	I.BLK-PP067586.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		70 (60) - 130 (140)	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.5		70 (60) - 130 (140)	117%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

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

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 05:50:41 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

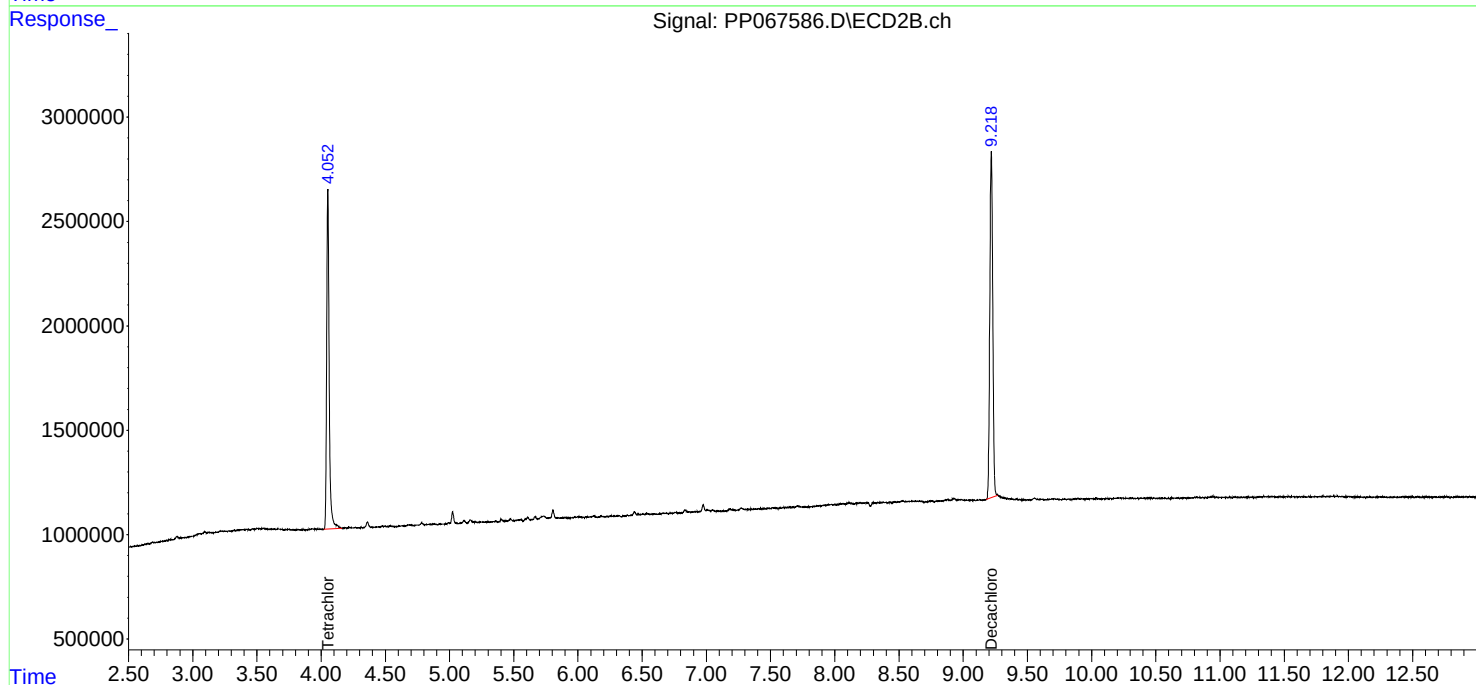
System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.052	19509395	22280537	21.077	22.051
2) SA Decachlor...	10.665	9.218	27200282	26328613	23.626	23.477

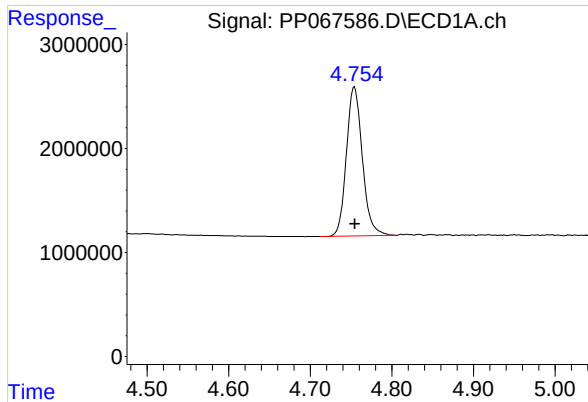
Target Compounds

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

Instrument :
ECD_P
ClientSampleId :
I.BLK

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

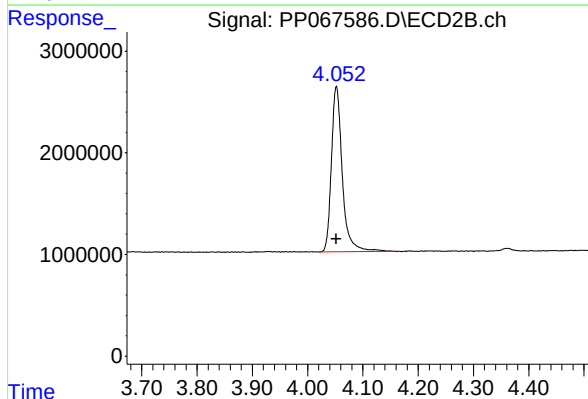




#1 Tetrachloro-m-xylene

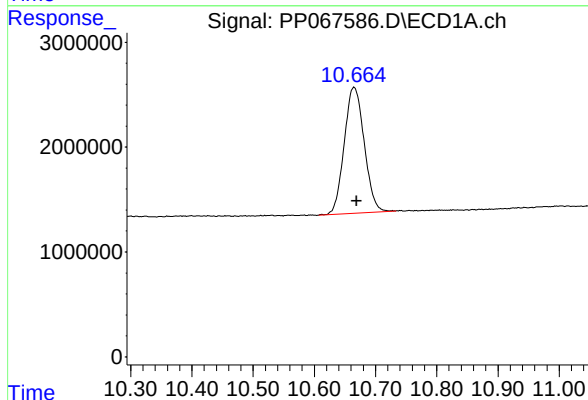
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 19509395
Conc: 21.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



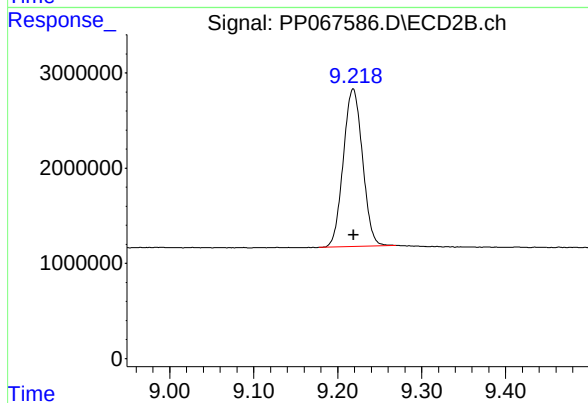
#1 Tetrachloro-m-xylene

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



#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/14/24
Client Sample ID:	PIBLK-PP067778.D	SDG No.:	P4397
Lab Sample ID:	I.BLK-PP067778.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067778.D	1		10/14/24	PP101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.8		70 (60) - 130 (140)	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.5		70 (60) - 130 (140)	103%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
 Data File : PP067778.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2024 11:21
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 14 13:13:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.757	4.053	18110710	18940285	19.566	18.745
2) SA Decachlor...	10.673	9.219	24281631	22985857	21.091	20.496

Target Compounds

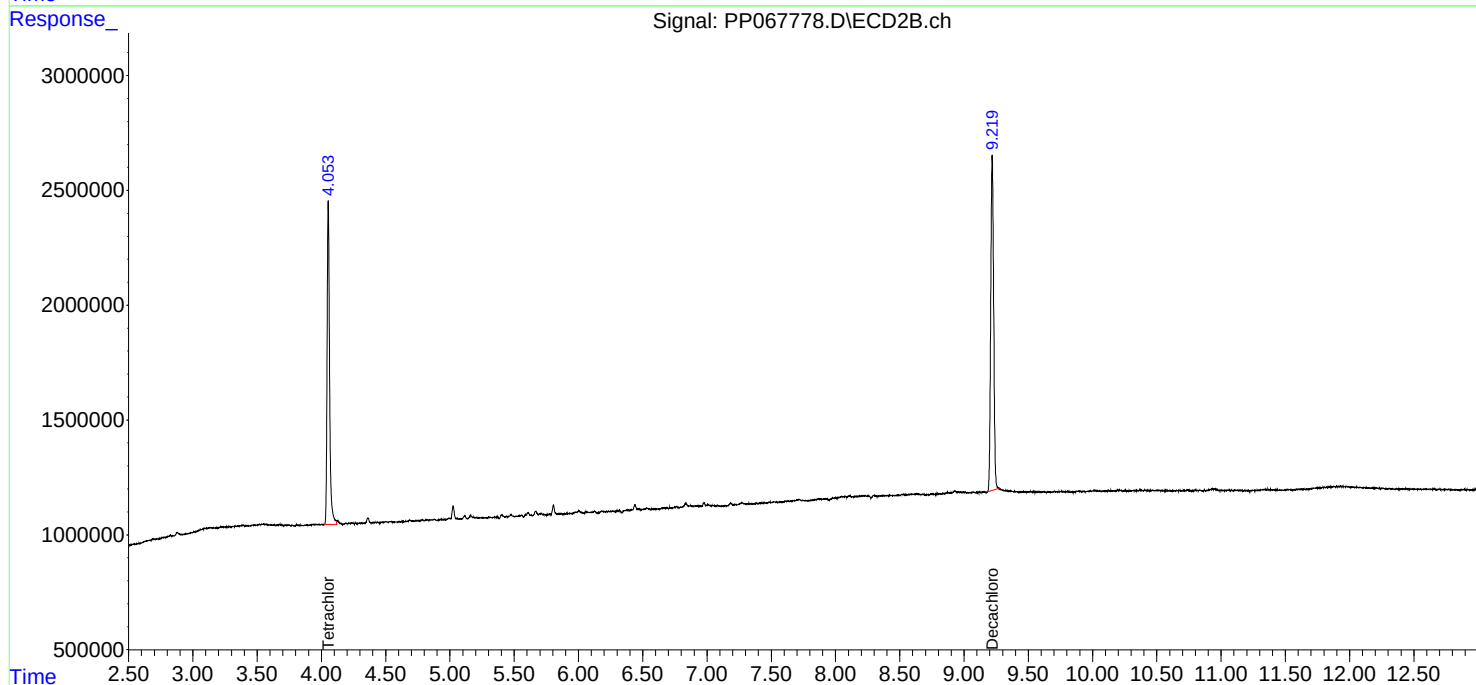
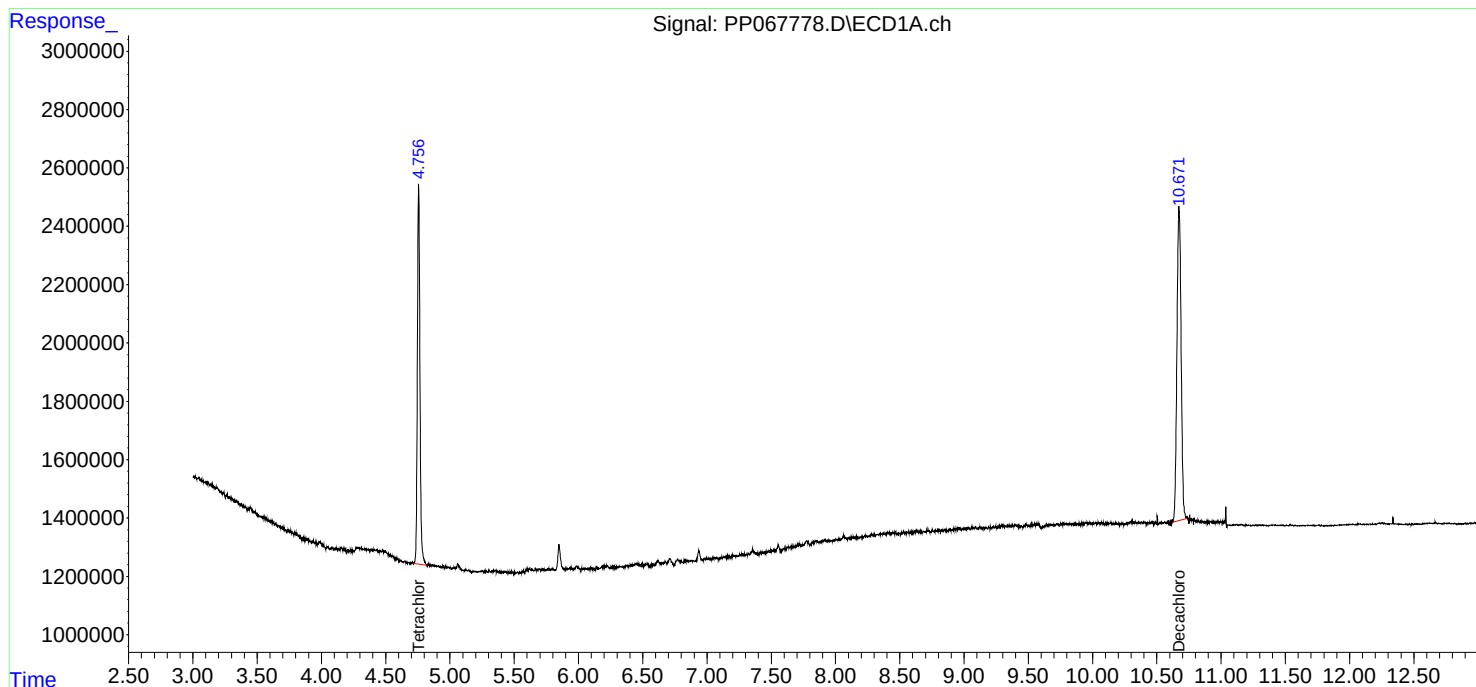
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

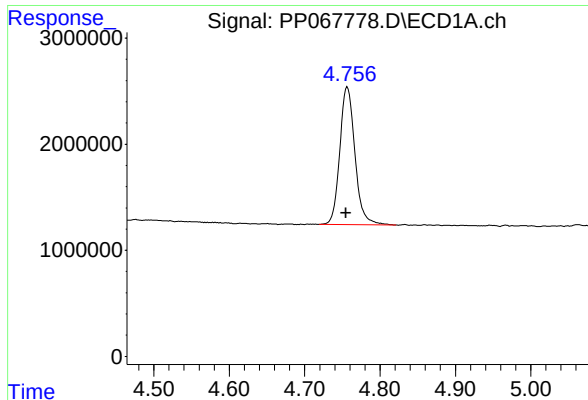
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
Data File : PP067778.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2024 11:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 13:13:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

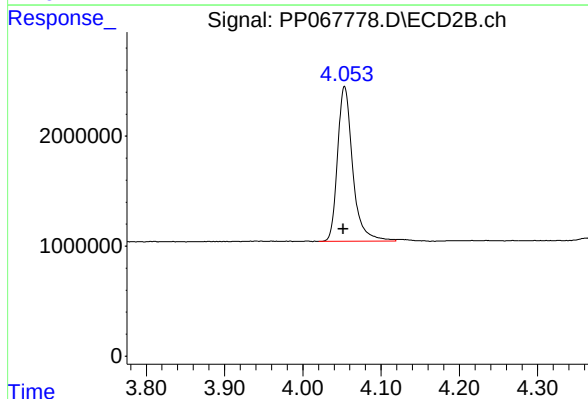




#1 Tetrachloro-m-xylene

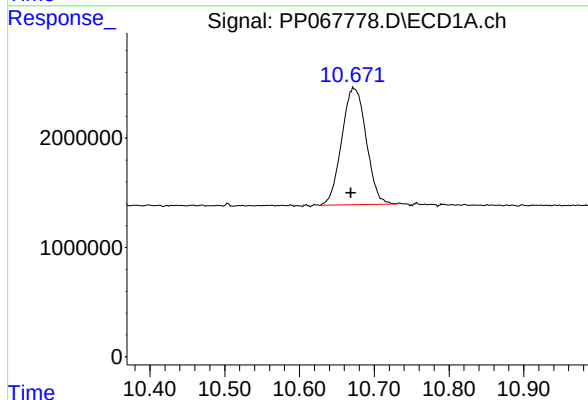
R.T.: 4.757 min
Delta R.T.: 0.002 min
Response: 18110710
Conc: 19.57 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



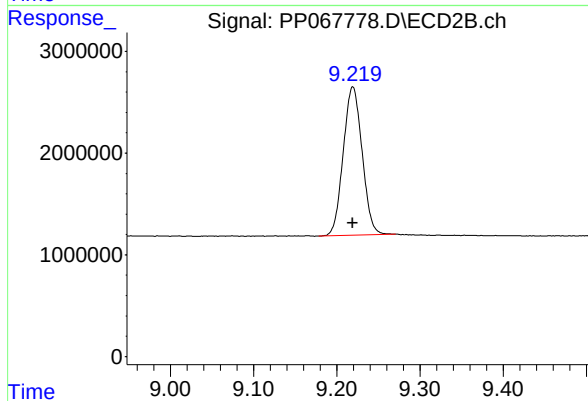
#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.001 min
Response: 18940285
Conc: 18.75 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.673 min
Delta R.T.: 0.004 min
Response: 24281631
Conc: 21.09 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.219 min
Delta R.T.: 0.000 min
Response: 22985857
Conc: 20.50 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/14/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	10/14/24	
Client Sample ID:	PIBLK-PP067792.D		SDG No.:	P4397	
Lab Sample ID:	I.BLK-PP067792.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067792.D	1		10/14/24	PP101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.1		70 (60) - 130 (140)	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.0		70 (60) - 130 (140)	100%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
 Data File : PP067792.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2024 15:52
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 14 16:22:11 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.755	4.053	18135794	19346446	19.593	19.147
2) SA Decachlor...	10.672	9.220	24066718	22471965	20.904	20.038

Target Compounds

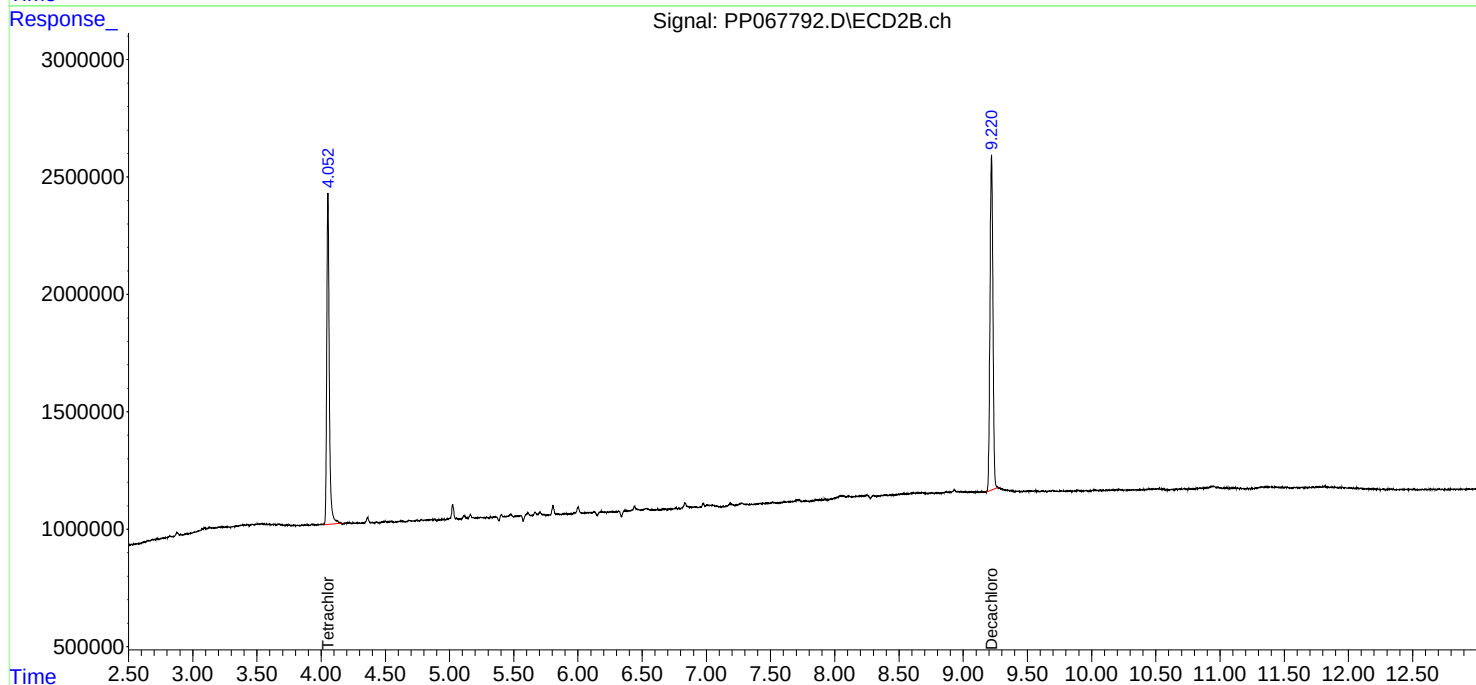
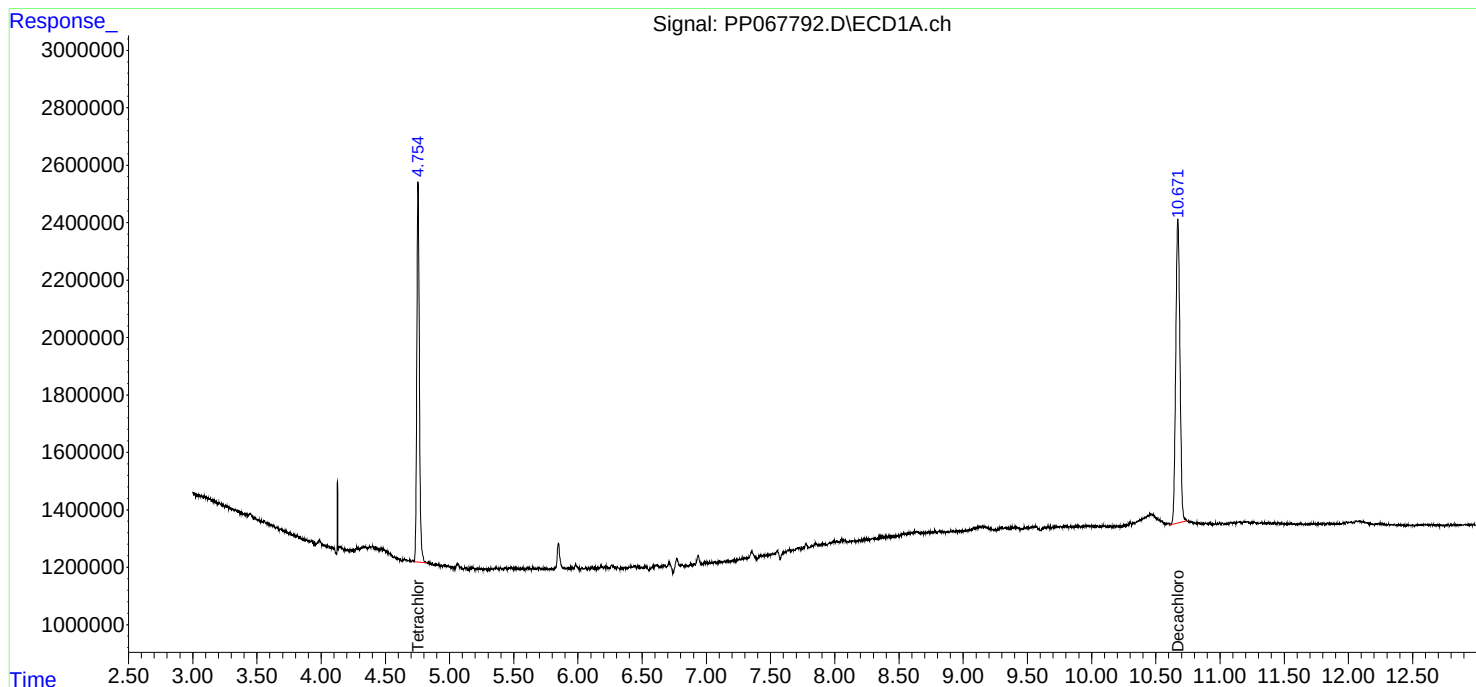
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

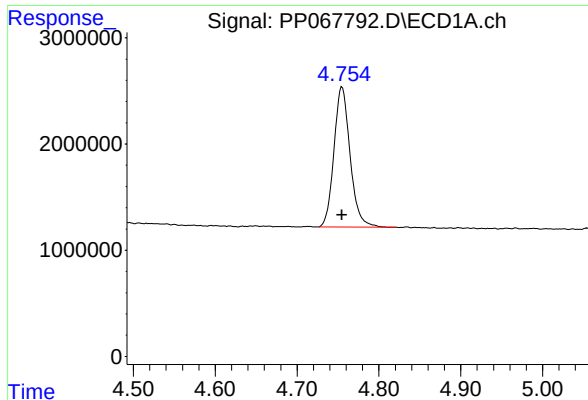
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
Data File : PP067792.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2024 15:52
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 16:22:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

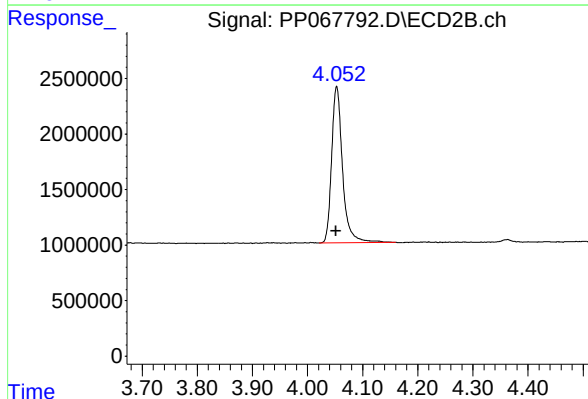




#1 Tetrachloro-m-xylene

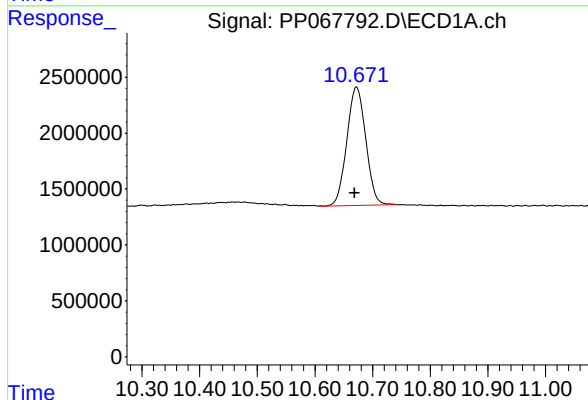
R.T.: 4.755 min
Delta R.T.: 0.000 min
Response: 18135794
Conc: 19.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



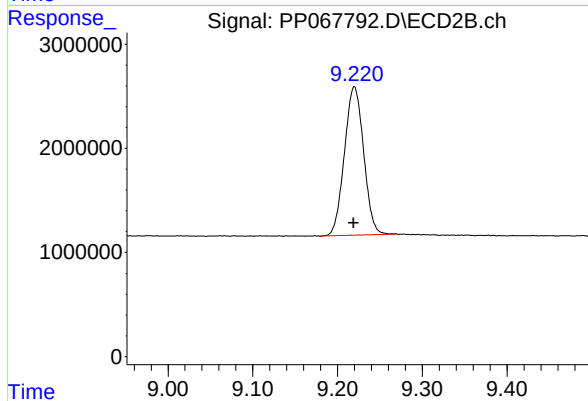
#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.000 min
Response: 19346446
Conc: 19.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.672 min
Delta R.T.: 0.003 min
Response: 24066718
Conc: 20.90 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.220 min
Delta R.T.: 0.000 min
Response: 22471965
Conc: 20.04 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/14/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	10/14/24	
Client Sample ID:	PIBLK-PP067817.D		SDG No.:	P4397	
Lab Sample ID:	I.BLK-PP067817.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067817.D	1		10/14/24	PP101424

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	20.1		70 (60) - 130 (140)	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.2		70 (60) - 130 (140)	106%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
 Data File : PP067817.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2024 23:09
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 02:06:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.755	4.052	18977098	20340647	20.502	20.131
2) SA Decachlor...	10.668	9.217	25208591	23760416	21.896	21.187

Target Compounds

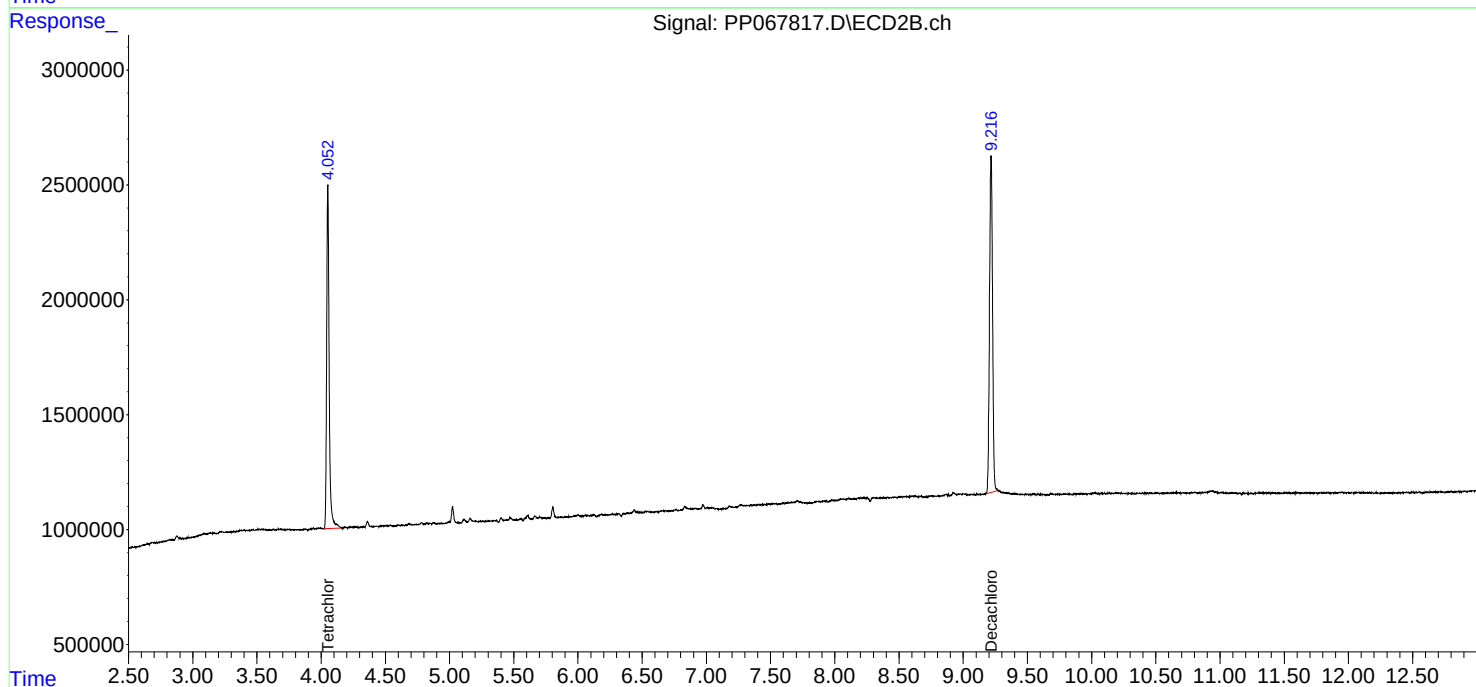
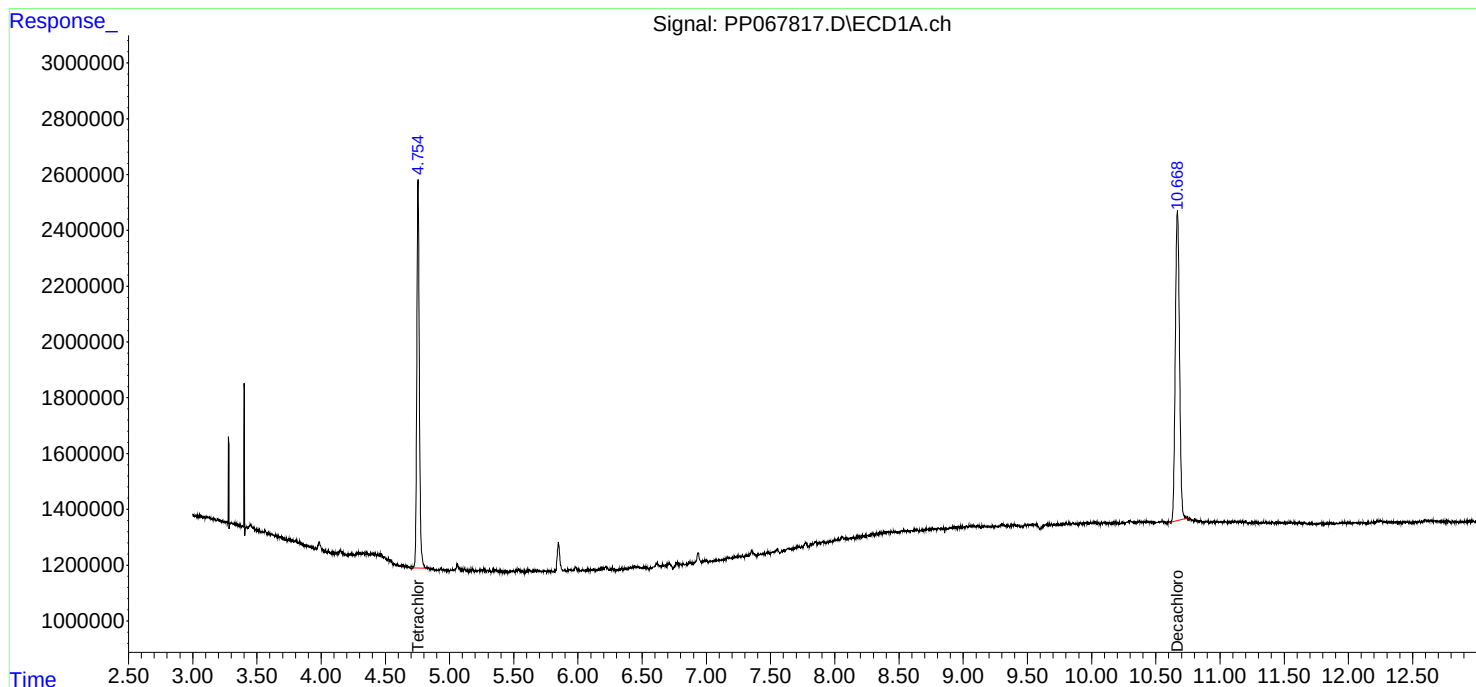
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

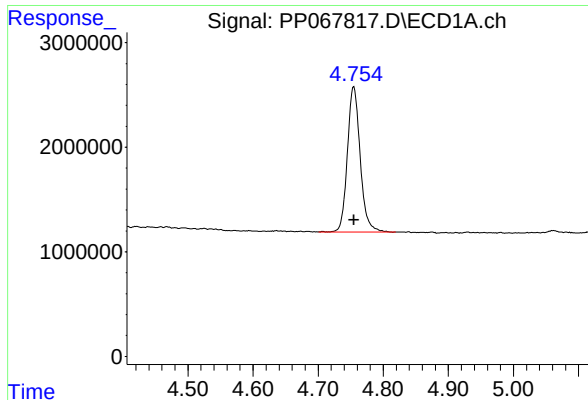
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
Data File : PP067817.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2024 23:09
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 02:06:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

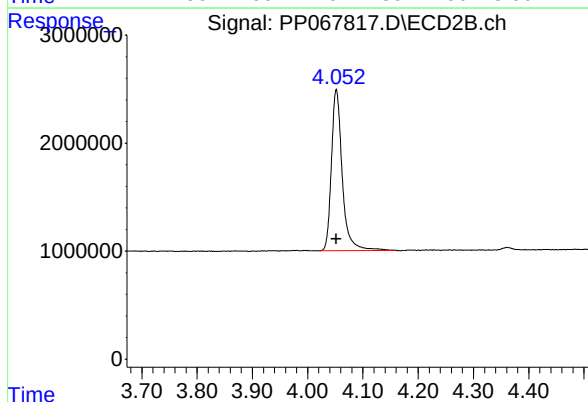




#1 Tetrachloro-m-xylene

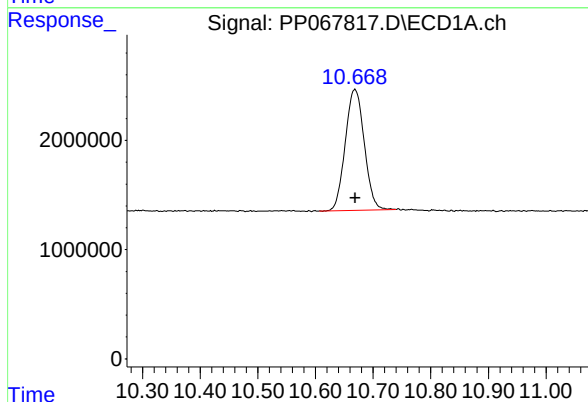
R.T.: 4.755 min
Delta R.T.: 0.000 min
Response: 18977098
Conc: 20.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



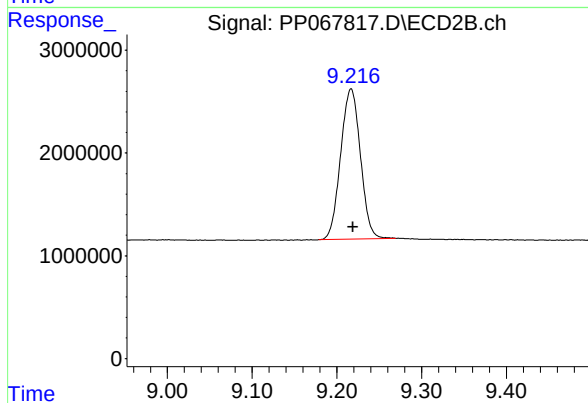
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 20340647
Conc: 20.13 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: 0.000 min
Response: 25208591
Conc: 21.90 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.217 min
Delta R.T.: -0.002 min
Response: 23760416
Conc: 21.19 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/15/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	10/15/24	
Client Sample ID:	PIBLK-PP067829.D		SDG No.:	P4397	
Lab Sample ID:	I.BLK-PP067829.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067829.D	1		10/15/24	PP101524

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	20.0		70 (60) - 130 (140)	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.5		70 (60) - 130 (140)	107%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101524\
 Data File : PP067829.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 10:47
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 12:06:03 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.753	4.067	19250397	20167242	20.797	19.960
2) SA Decachlor...	10.668	9.230	25977720	24061733	22.564	21.456

Target Compounds

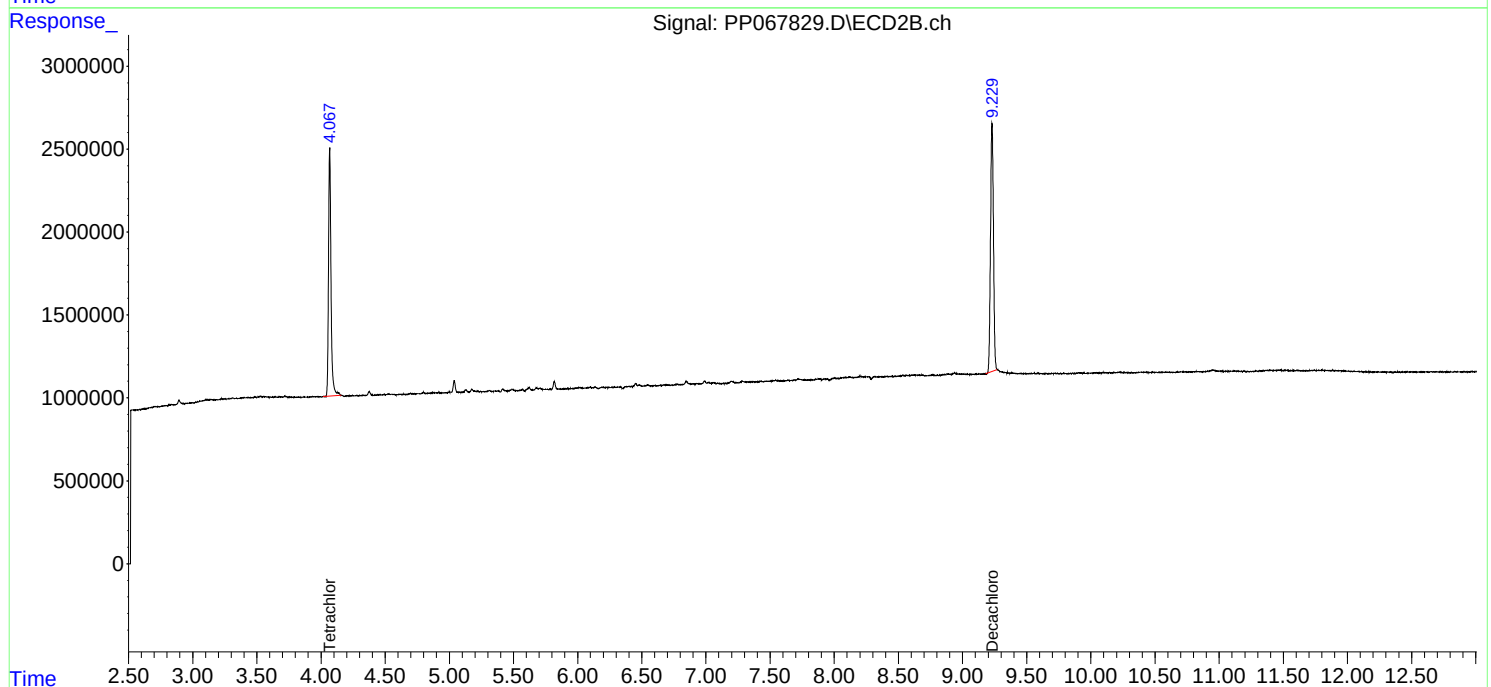
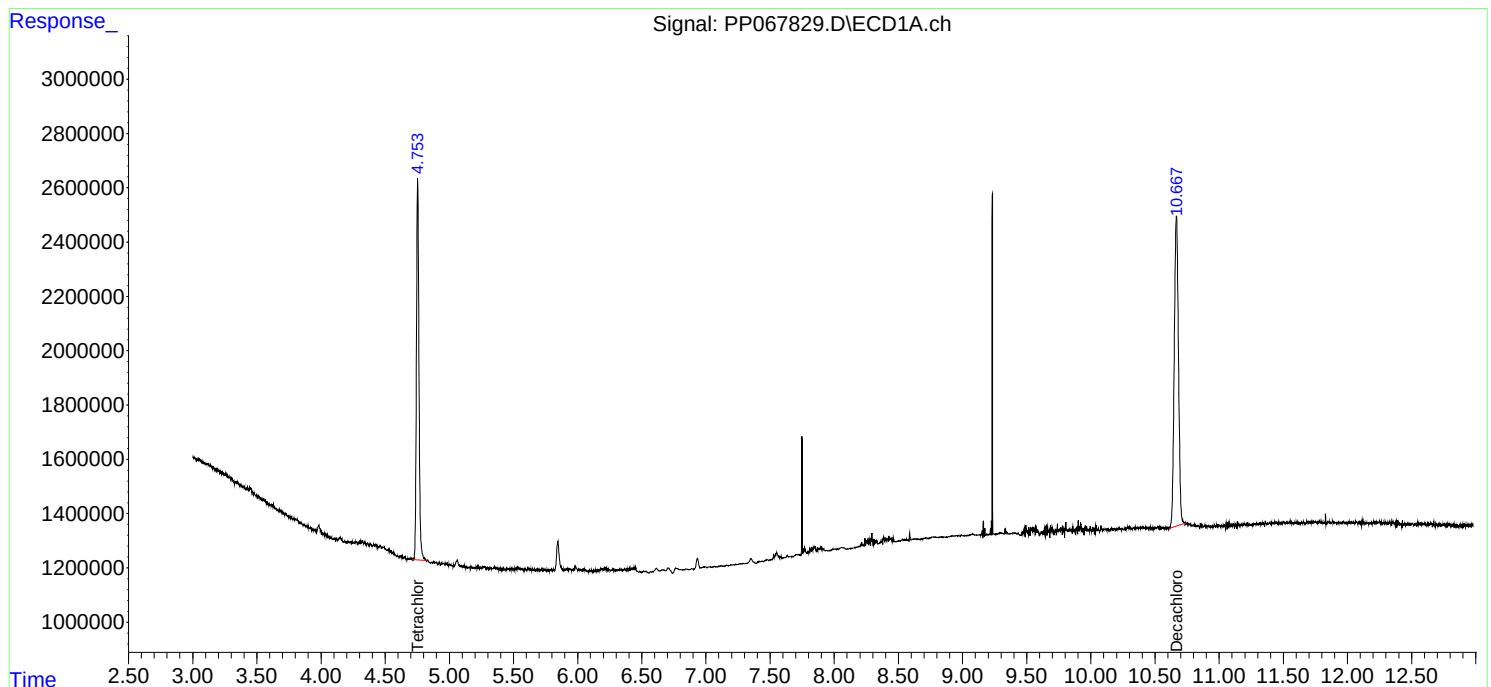
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

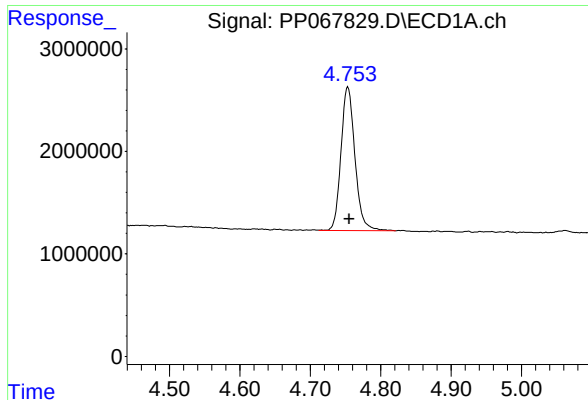
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101524\
Data File : PP067829.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 10:47
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 12:06:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

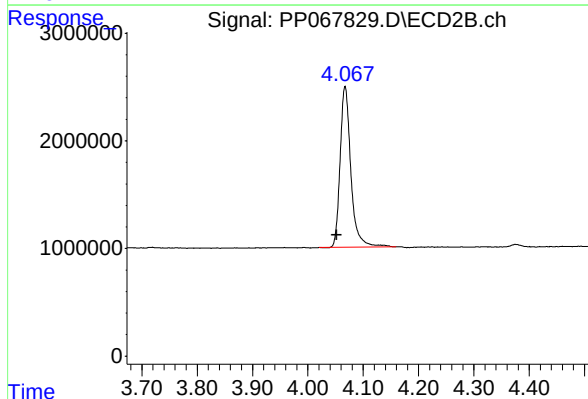




#1 Tetrachloro-m-xylene

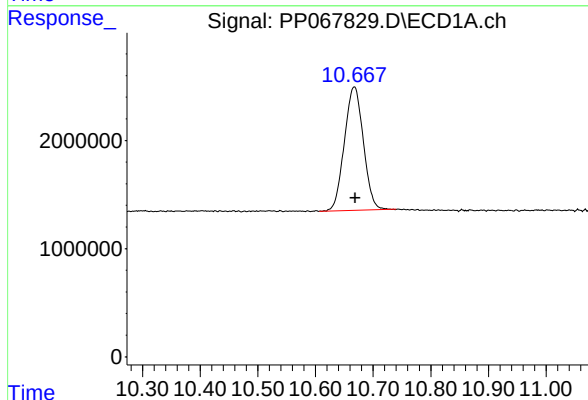
R.T.: 4.753 min
Delta R.T.: -0.002 min
Response: 19250397
Conc: 20.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



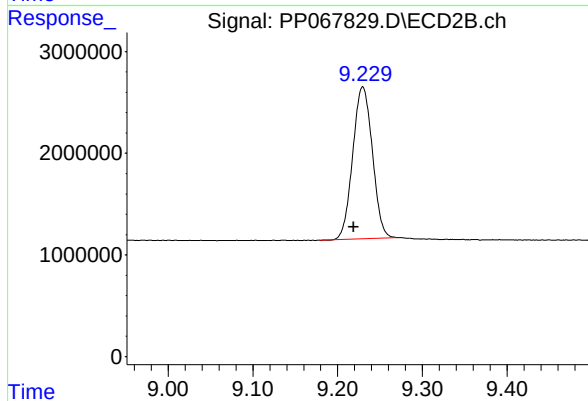
#1 Tetrachloro-m-xylene

R.T.: 4.067 min
Delta R.T.: 0.015 min
Response: 20167242
Conc: 19.96 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: -0.001 min
Response: 25977720
Conc: 22.56 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.230 min
Delta R.T.: 0.011 min
Response: 24061733
Conc: 21.46 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/15/24
Client Sample ID:	PIBLK-PP067844.D	SDG No.:	P4397
Lab Sample ID:	I.BLK-PP067844.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067844.D	1		10/15/24	PP101524

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	20.3		70 (60) - 130 (140)	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.5		70 (60) - 130 (140)	108%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101524\
 Data File : PP067844.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 14:53
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 15:49:43 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.756	4.052	19773261	20476424	21.362	20.266
2) SA Decachlor...	10.670	9.216	26406415	24110033	22.936	21.499

Target Compounds

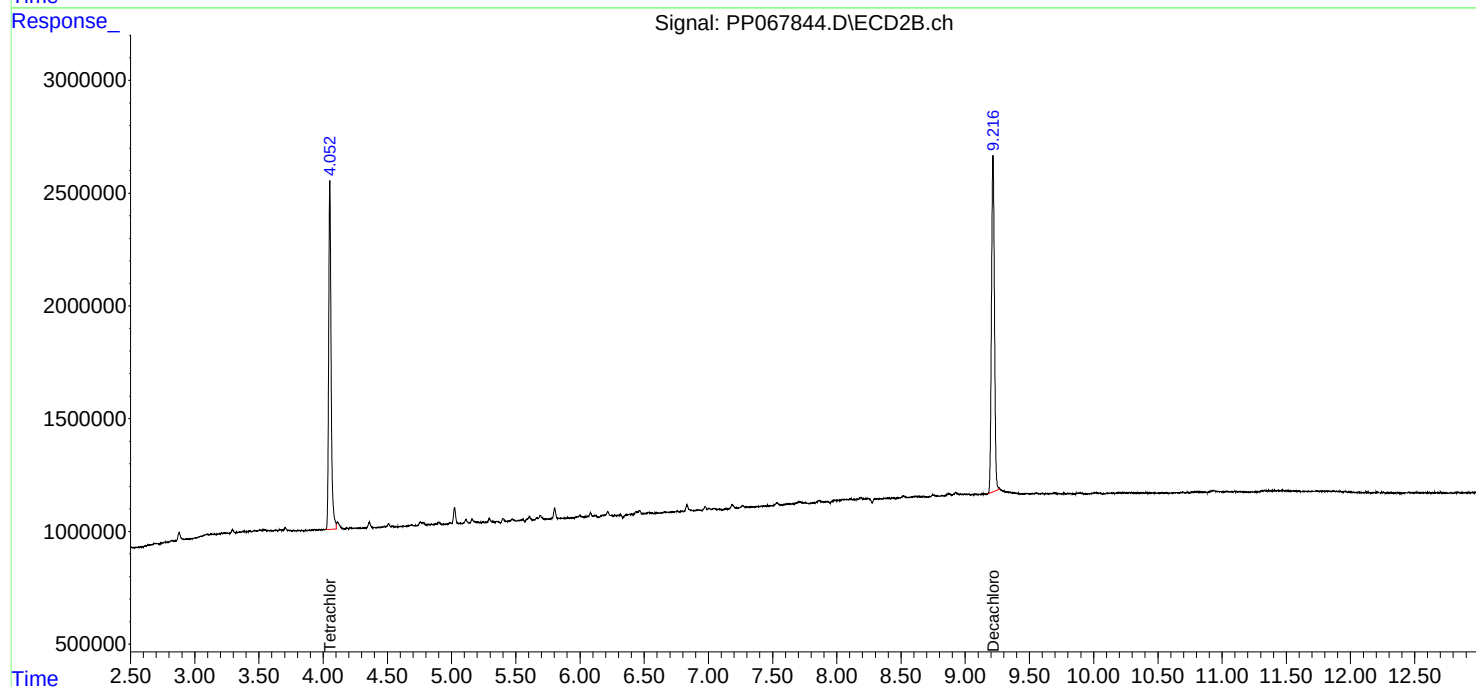
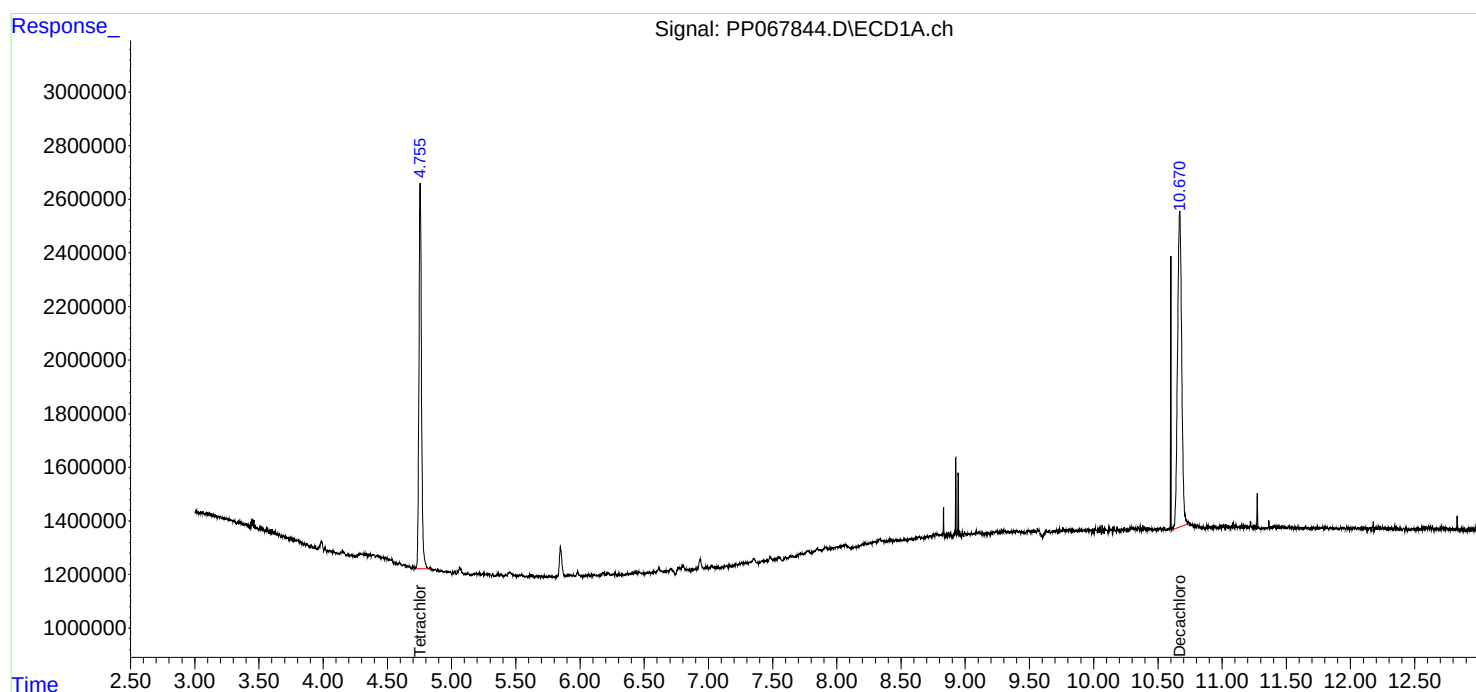
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

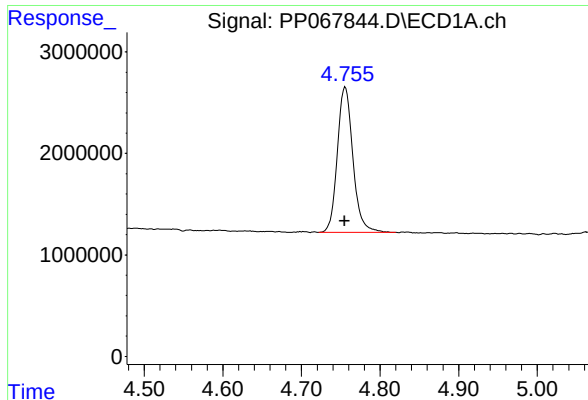
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101524\
Data File : PP067844.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 14:53
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 15:49:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

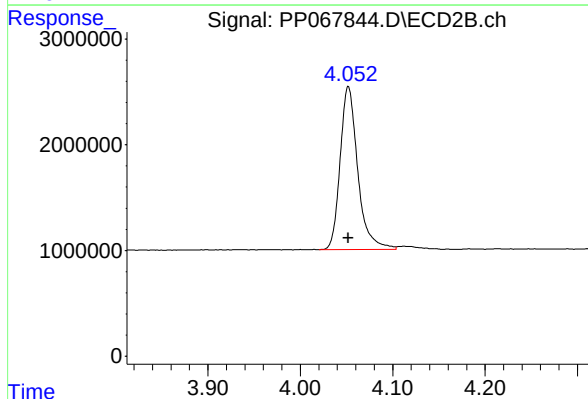




#1 Tetrachloro-m-xylene

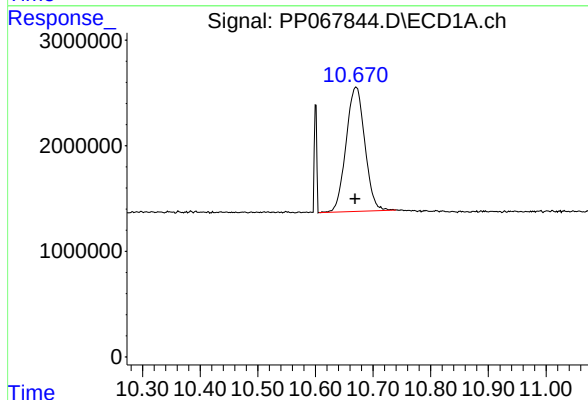
R.T.: 4.756 min
Delta R.T.: 0.000 min
Response: 19773261
Conc: 21.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



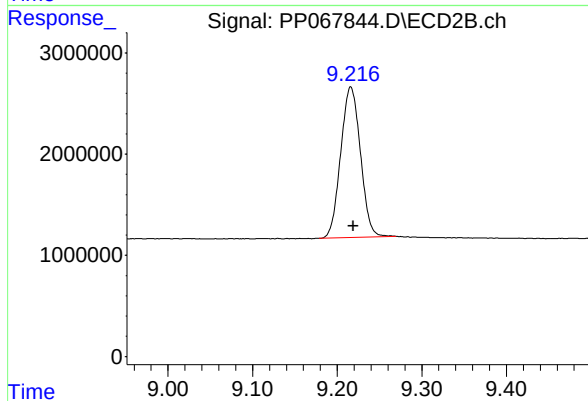
#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 20476424
Conc: 20.27 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.670 min
Delta R.T.: 0.002 min
Response: 26406415
Conc: 22.94 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.216 min
Delta R.T.: -0.003 min
Response: 24110033
Conc: 21.50 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/15/24
Client Sample ID:	PIBLK-PP067866.D	SDG No.:	P4397
Lab Sample ID:	I.BLK-PP067866.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067866.D	1		10/15/24	PP101524

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	20.1		70 (60) - 130 (140)	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.8		70 (60) - 130 (140)	104%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101524\
Data File : PP067866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:58
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:56:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.753	4.050	19530359	20297482	21.099	20.089
2) SA Decachlor...	10.666	9.213	25571915	23313688	22.211	20.789

Target Compounds

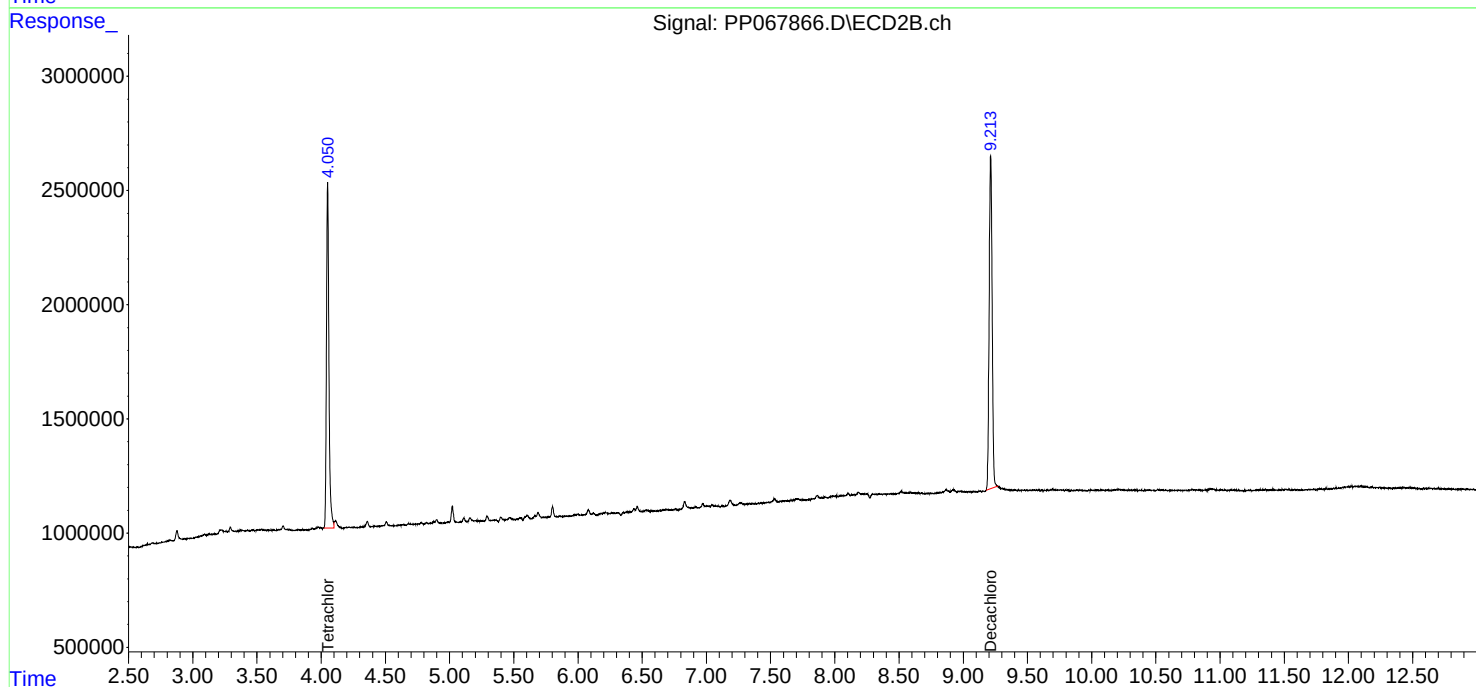
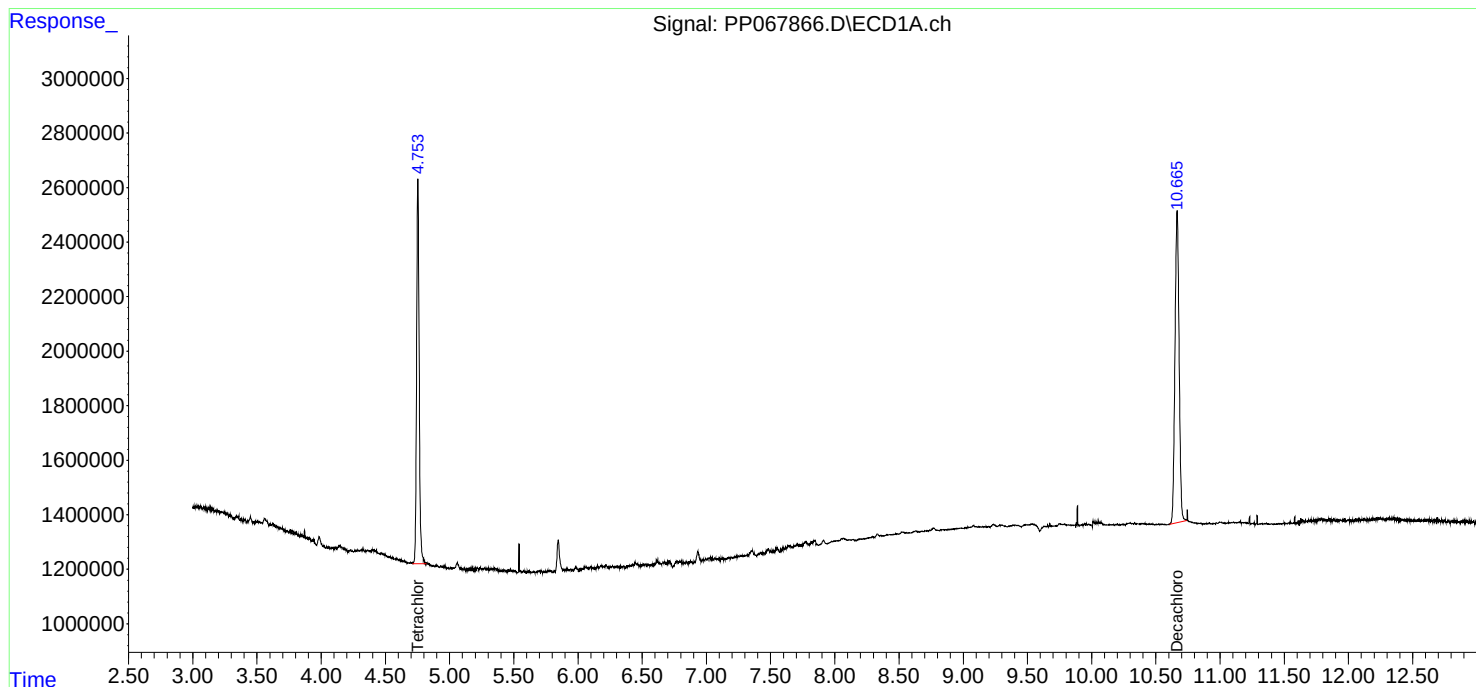
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

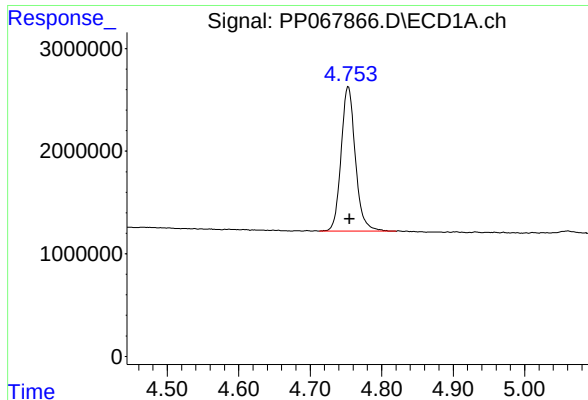
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101524\
Data File : PP067866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:58
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:56:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

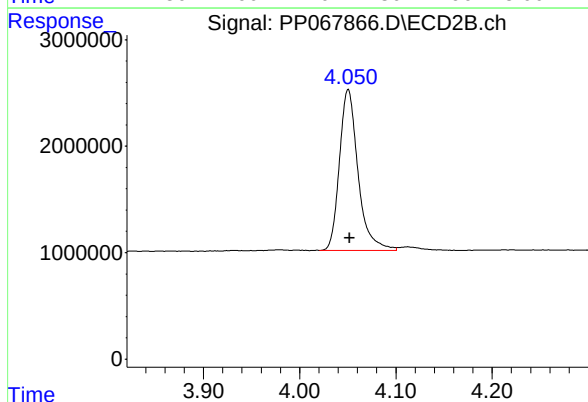




#1 Tetrachloro-m-xylene

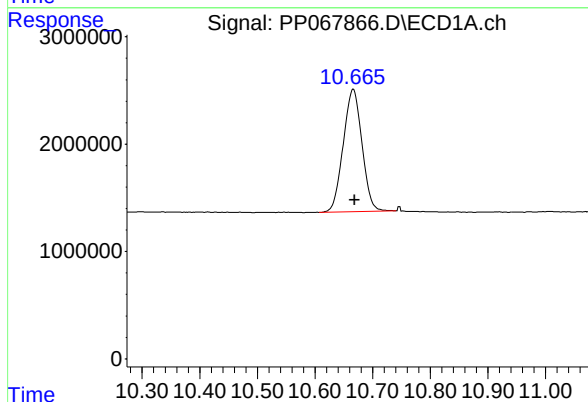
R.T.: 4.753 min
Delta R.T.: -0.002 min
Response: 19530359
Conc: 21.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



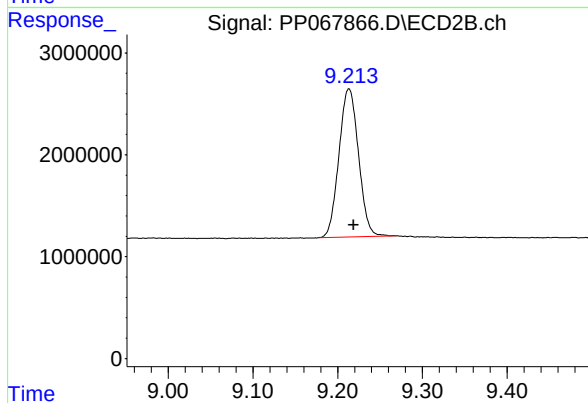
#1 Tetrachloro-m-xylene

R.T.: 4.050 min
Delta R.T.: -0.002 min
Response: 20297482
Conc: 20.09 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: -0.003 min
Response: 25571915
Conc: 22.21 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.213 min
Delta R.T.: -0.006 min
Response: 23313688
Conc: 20.79 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164124BS	SDG No.:	P4397
Lab Sample ID:	PB164124BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100
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
PP067788.D	1	10/14/24 10:05	10/14/24 14:48	PB164124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	153		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	143		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.9		30 (32) - 150 (144)	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.4		30 (32) - 150 (175)	107%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
 Data File : PP067788.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2024 14:48
 Operator : YP\AJ
 Sample : PB164124BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB164124BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 14 16:09:34 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.758	4.054	18439882	18536253	19.921	18.345
2) SA Decachlor...	10.676	9.221	24582917	23012775	21.352	20.520
Target Compounds						
3) L1 AR-1016-1	5.922	5.162	15589578	15293231	471.459	437.109
4) L1 AR-1016-2	5.945	5.182	22242866	20983799	456.069	435.633
5) L1 AR-1016-3	6.008	5.363	14729990	11832676	467.441	439.264
6) L1 AR-1016-4	6.106	5.402	11796172	10368220	458.217	430.483
7) L1 AR-1016-5	6.400	5.621	11981034	12892384	442.645	423.954
31) L7 AR-1260-1	7.525	6.666	24760092	25241581	458.319	443.130
32) L7 AR-1260-2	7.778	6.852	29027175	29691121	458.777	445.115
33) L7 AR-1260-3	8.140	7.010	20842309	28204614	401.982	442.765
34) L7 AR-1260-4	8.378	7.485	25231915	21617239	419.174	390.960
35) L7 AR-1260-5	8.716	7.723	43256373	47874263	401.593	391.454

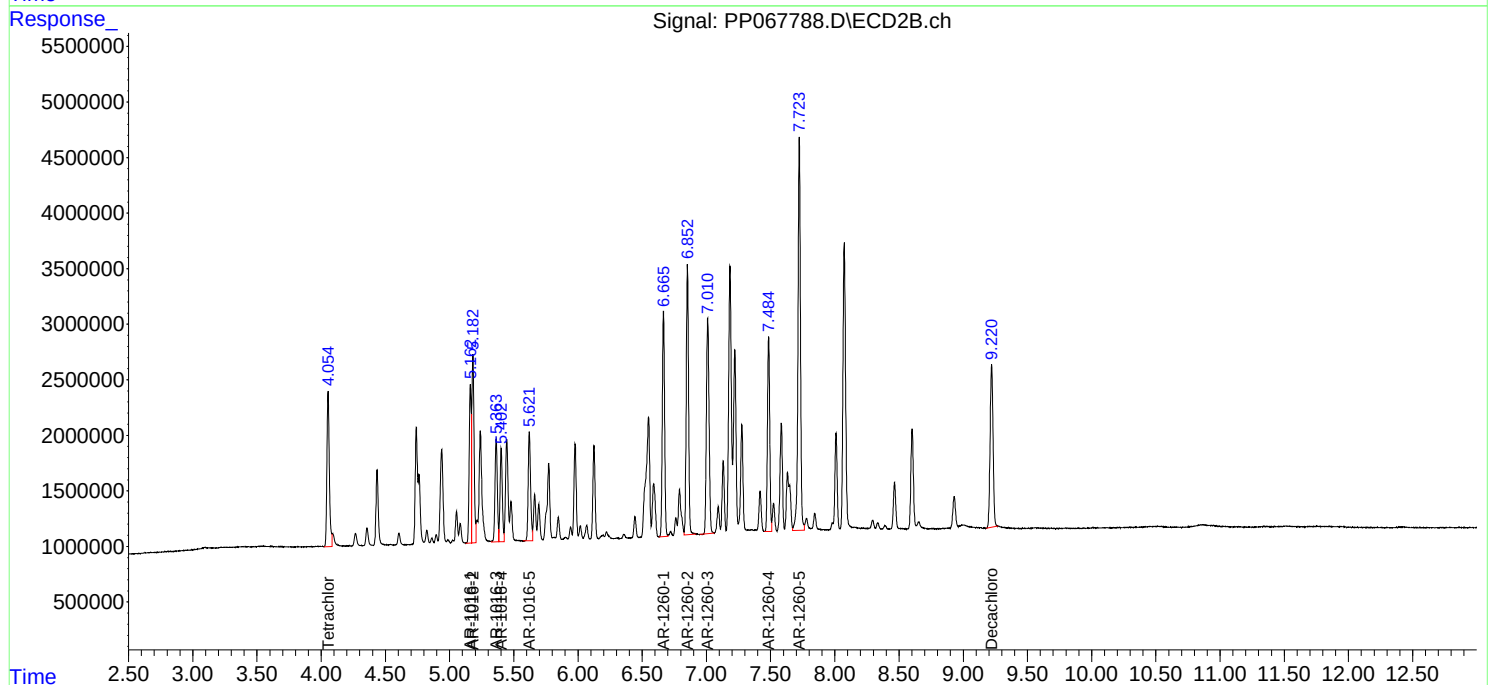
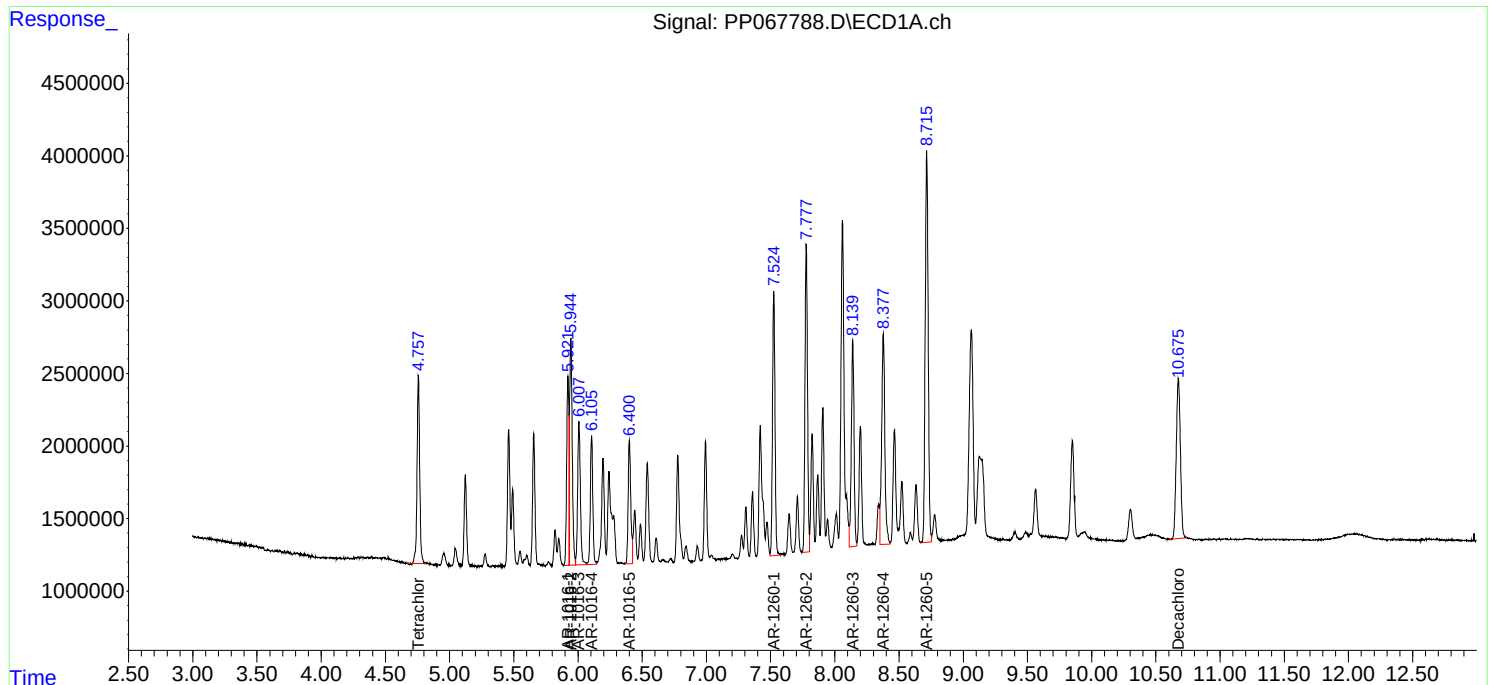
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
Data File : PP067788.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2024 14:48
Operator : YP\AJ
Sample : PB164124BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB164124BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 16:09:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164139BS	SDG No.:	P4397
Lab Sample ID:	PB164139BS	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067845.D	1	10/14/24 13:15	10/15/24 15:09	PB164139

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.60		0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	4.30		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		30 (10) - 150 (157)	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.5		30 (10) - 150 (173)	117%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101524\
 Data File : PP067845.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 15:09
 Operator : YP\AJ
 Sample : PB164139BS
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB164139BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 15:50:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.752	4.051	20299193	20946762	21.930	20.731
2) SA Decachlor...	10.668	9.214	27050049	25157992	23.495	22.433
Target Compounds						
3) L1 AR-1016-1	5.916	5.159	15511309	14849769	469.092	424.434
4) L1 AR-1016-2	5.938	5.179	22683435	20643794	465.102	428.574
5) L1 AR-1016-3	6.003	5.359	14494017	11605247	459.953	430.821
6) L1 AR-1016-4	6.101	5.399	11485856	10062360	446.163	417.783
7) L1 AR-1016-5	6.395	5.617	12039093	12577045	444.790	413.584
31) L7 AR-1260-1	7.519	6.662	25204684	24592027	466.549	431.727
32) L7 AR-1260-2	7.772	6.848	29160734	28872328	460.888	432.840
33) L7 AR-1260-3	8.134	7.005	20453309	27880165	394.480	437.671
34) L7 AR-1260-4	8.372	7.480	25236416	21408658	419.248	387.187
35) L7 AR-1260-5	8.710	7.719	43580497	48005233	404.602	392.525

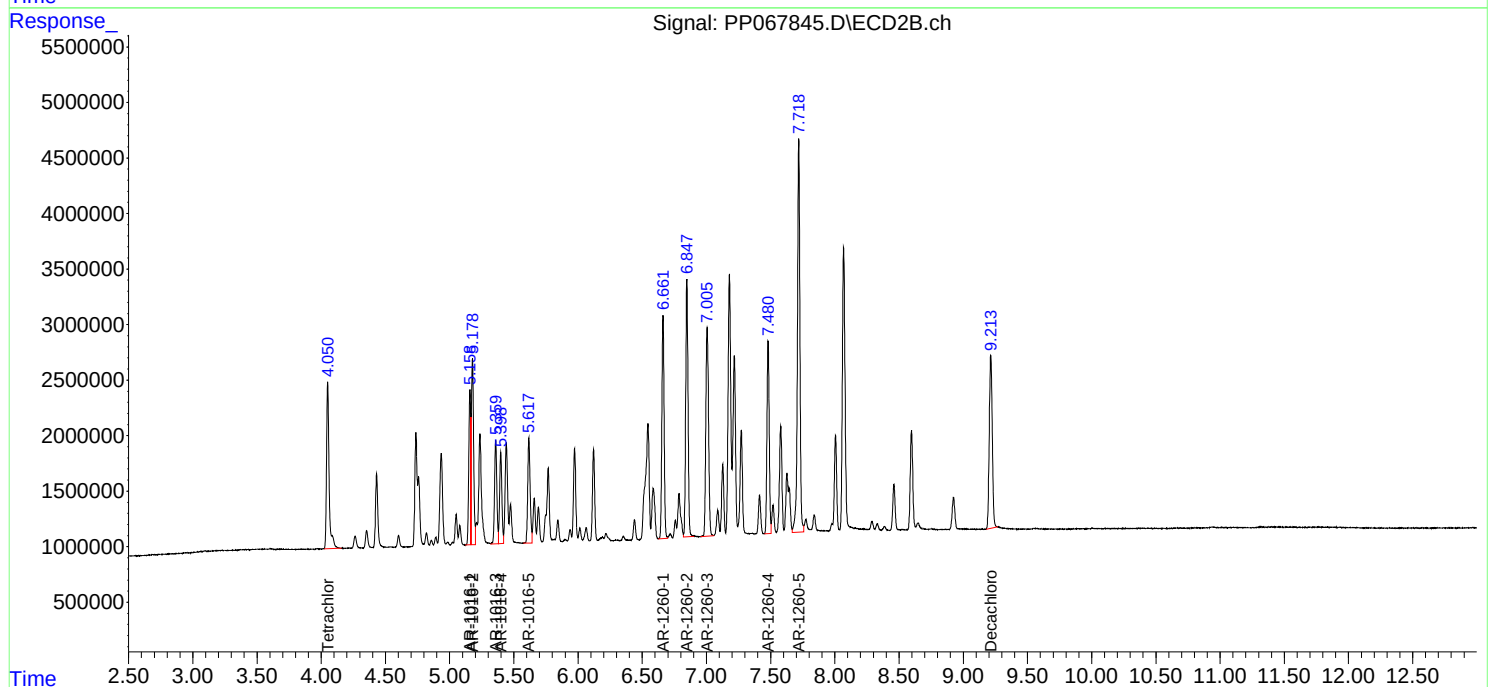
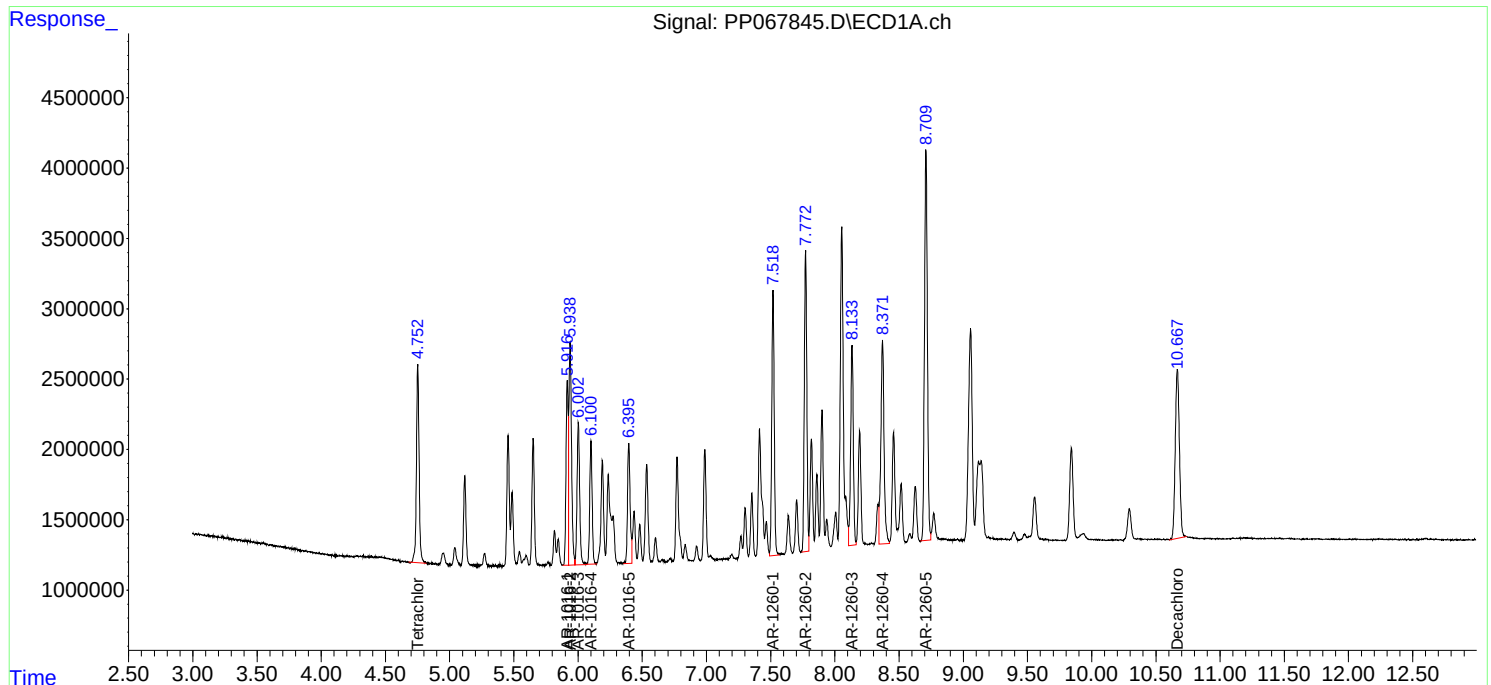
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101524\
Data File : PP067845.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 15:09
Operator : YP\AJ
Sample : PB164139BS
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB164139BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 15:50:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:		
Client Sample ID:	PB164139BSD		SDG No.:	P4397	
Lab Sample ID:	PB164139BSD		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067846.D	1	10/14/24 13:15	10/15/24 15:25	PB164139

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.30		0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	4.10		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		30 (10) - 150 (157)	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		30 (10) - 150 (173)	110%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101524\
 Data File : PP067846.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2024 15:25
 Operator : YP\AJ
 Sample : PB164139BSD
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB164139BSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 15:50:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.755	4.052	18912586	18679354	20.432	18.487
2) SA Decachlor...	10.669	9.215	25228261	23571481	21.913	21.019
Target Compounds						
3) L1 AR-1016-1	5.919	5.160	14481386	14058869	437.945	401.828
4) L1 AR-1016-2	5.941	5.180	21182688	19372640	434.331	402.184
5) L1 AR-1016-3	6.005	5.360	13553883	11037617	430.119	409.749
6) L1 AR-1016-4	6.103	5.400	10779607	9583481	418.729	397.901
7) L1 AR-1016-5	6.397	5.618	11070831	11934569	409.017	392.457
31) L7 AR-1260-1	7.521	6.662	24081483	23394946	445.758	410.712
32) L7 AR-1260-2	7.775	6.849	27424330	27171559	433.444	407.343
33) L7 AR-1260-3	8.136	7.007	19267815	26272723	371.615	412.437
34) L7 AR-1260-4	8.374	7.481	23784034	20274823	395.120	366.681
35) L7 AR-1260-5	8.712	7.720	40848780	44796722	379.240	366.290

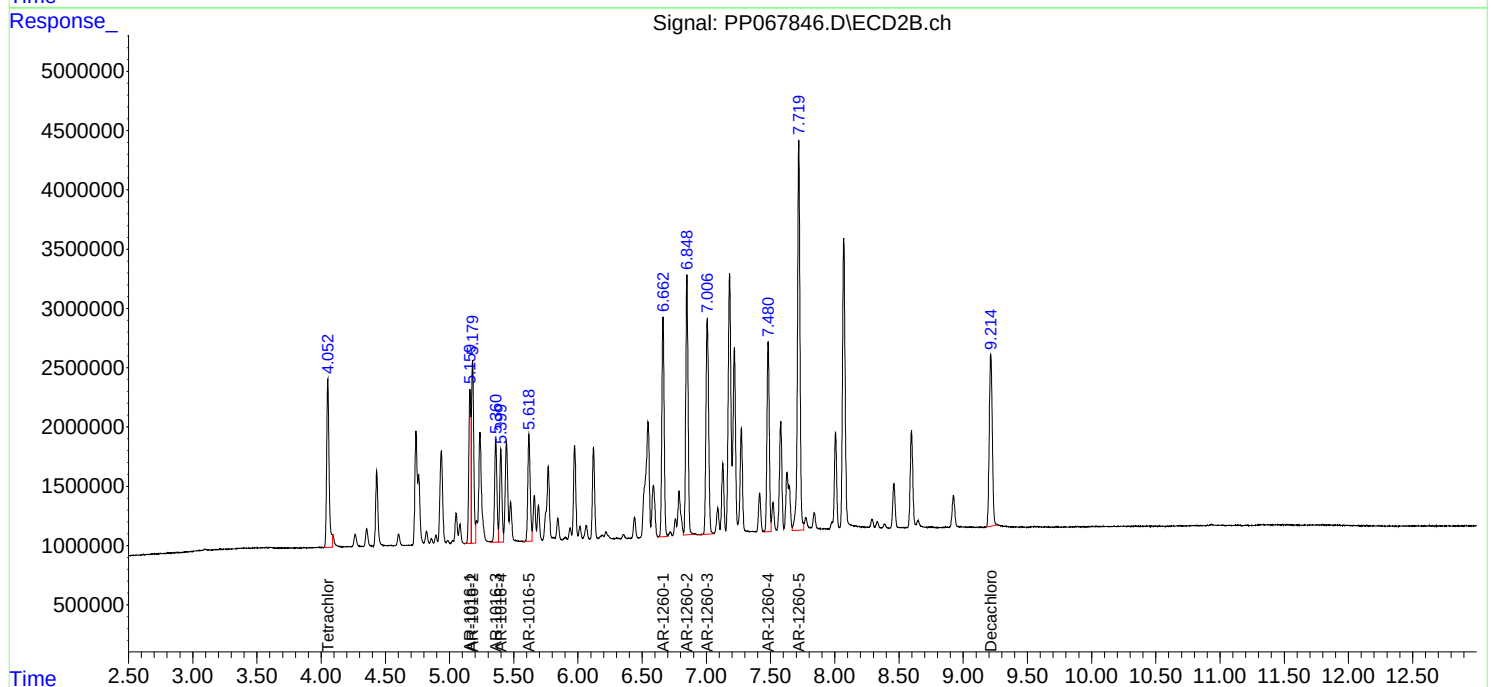
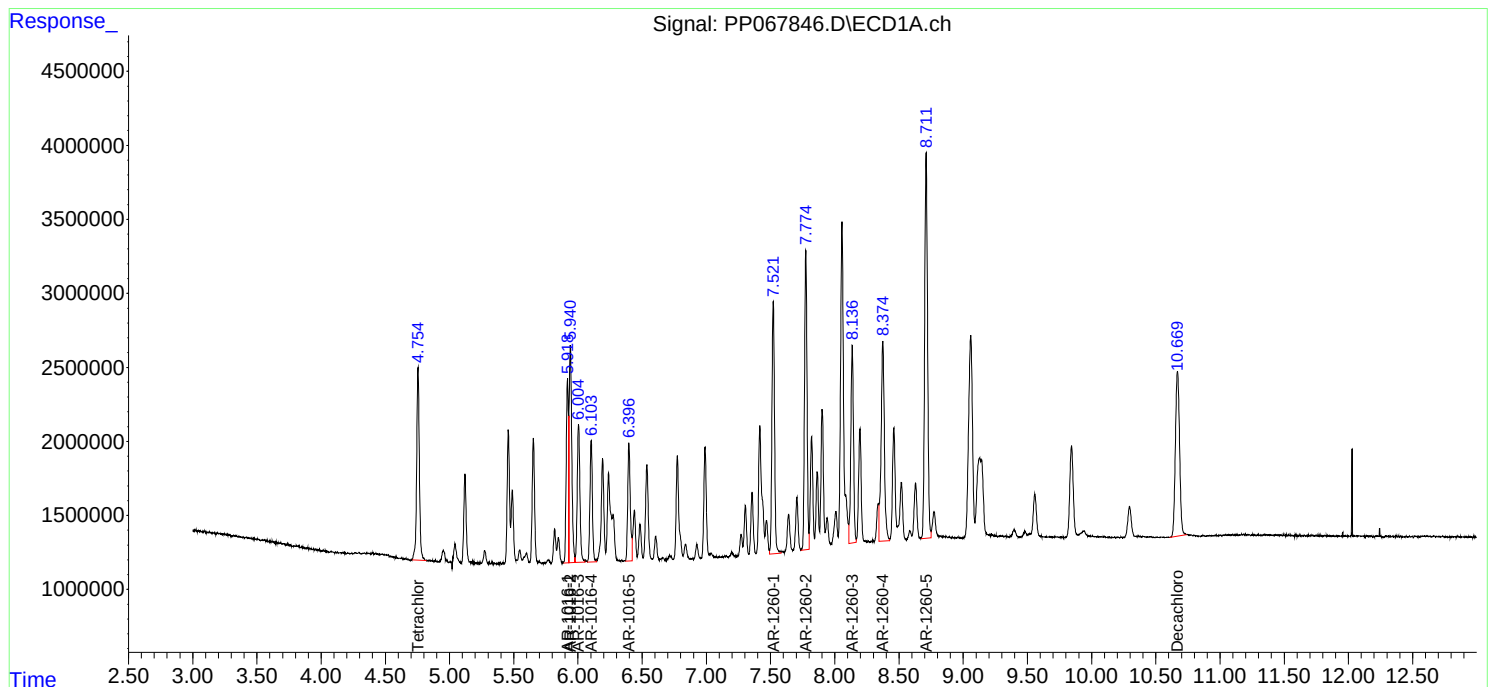
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101524\
Data File : PP067846.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 15:25
Operator : YP\AJ
Sample : PB164139BSD
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB164139BSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 15:50:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMS	SDG No.:	P4397
Lab Sample ID:	P4397-02MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	76
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
PP067810.D	1	10/14/24 10:05	10/14/24 20:54	PB164124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	247		4.50	22.3	ug/kg
11104-28-2	Aroclor-1221	8.40	U	8.40	22.3	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	22.3	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	22.3	ug/kg
12672-29-6	Aroclor-1248	10.4	U	10.4	22.3	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	22.3	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	22.3	ug/kg
11100-14-4	Aroclor-1268	4.50	U	4.50	22.3	ug/kg
11096-82-5	Aroclor-1260	210		3.80	22.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.3		30 (32) - 150 (144)	121%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		30 (32) - 150 (175)	100%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
 Data File : PP067810.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2024 20:54
 Operator : YP\AJ
 Sample : P4397-02MS
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

WB-301-BOTMS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/15/2024

Supervised By :Ankita Jodhani 10/15/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 02:01:43 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.755	4.051	22471515	21117773	24.277	20.900
2) SA Decachlor...	10.666	9.215	23095291	20461769	20.060	18.246
Target Compounds						
3) L1 AR-1016-1	5.919	5.159	19538289	20027505	590.875m	572.423
4) L1 AR-1016-2	5.941	5.179	27058160	26640473	554.802m	553.068
5) L1 AR-1016-3	6.004	5.360	17639262	15413143	559.764m	572.182
6) L1 AR-1016-4	6.102	5.399	14219136	12999551	552.336m	539.734
7) L1 AR-1016-5	6.397	5.618	15126248	15047058	558.847m	494.808
31) L7 AR-1260-1	7.522	6.662	28259455	28645786	523.094	502.893
32) L7 AR-1260-2	7.776	6.849	32090645	33890097	507.195	508.064
33) L7 AR-1260-3	8.136	7.006	22405008	32498522	432.122	510.172
34) L7 AR-1260-4	8.375	7.481	27197271	24029385	451.824	434.585
35) L7 AR-1260-5	8.712	7.719	48744394	53333461	452.543	436.092

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
Data File : PP067810.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2024 20:54
Operator : YP\AJ
Sample : P4397-02MS
Misc :
ALS Vial : 36 Sample Multiplier: 1

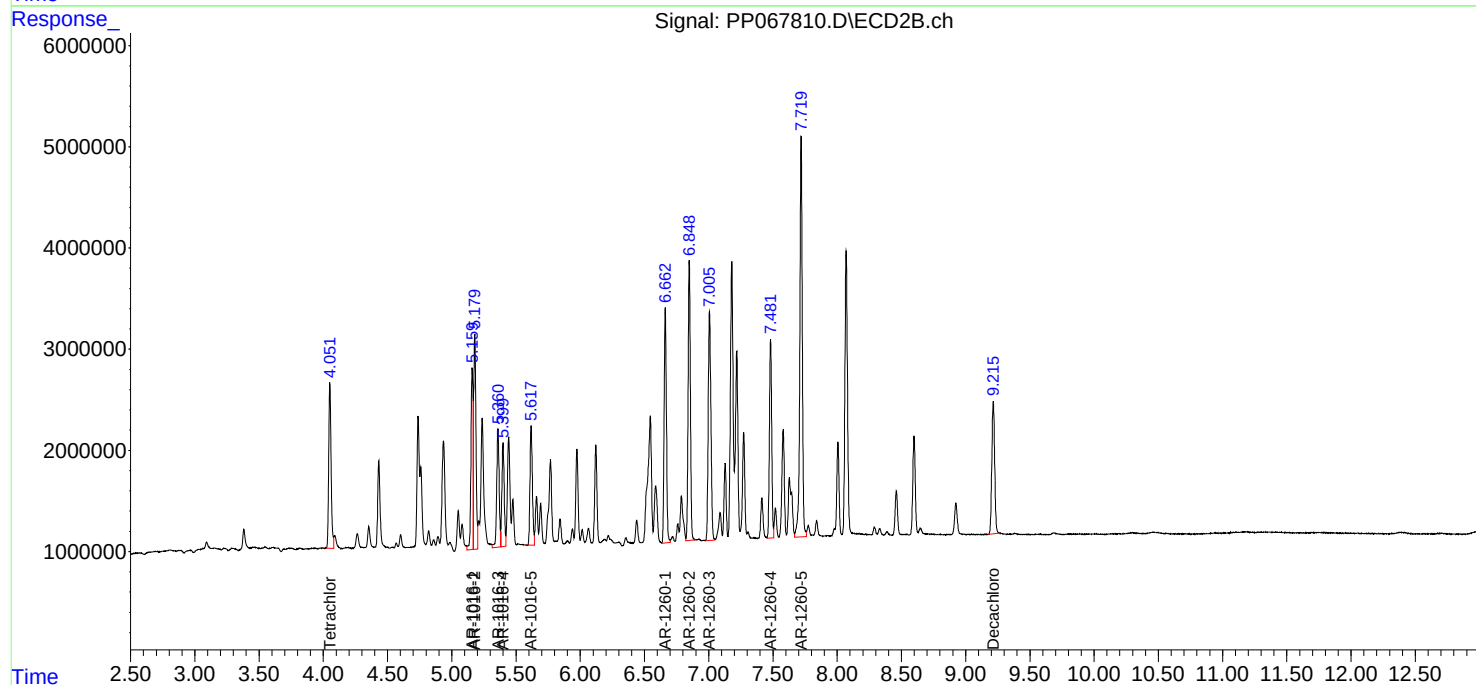
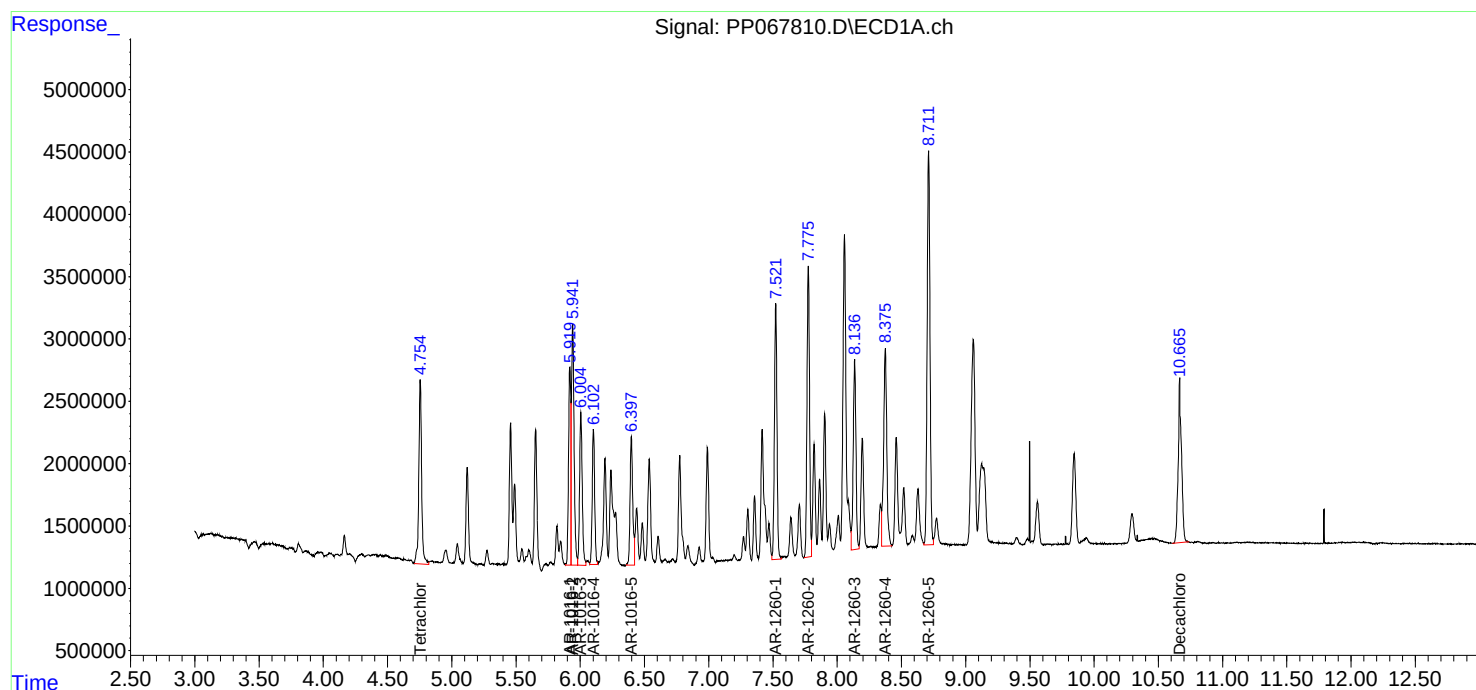
Instrument :
ECD_P
ClientSampleId :
WB-301-BOTMS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/15/2024
Supervised By :Ankita Jodhani 10/15/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 02:01:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMSD	SDG No.:	P4397
Lab Sample ID:	P4397-02MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	76
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
PP067811.D	1	10/14/24 10:05	10/14/24 21:10	PB164124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	246		4.50	22.3	ug/kg
11104-28-2	Aroclor-1221	8.40	U	8.40	22.3	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	22.3	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	22.3	ug/kg
12672-29-6	Aroclor-1248	10.4	U	10.4	22.3	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	22.3	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	22.3	ug/kg
11100-14-4	Aroclor-1268	4.50	U	4.50	22.3	ug/kg
11096-82-5	Aroclor-1260	211		3.80	22.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.8		30 (32) - 150 (144)	119%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.4		30 (32) - 150 (175)	97%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
 Data File : PP067811.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2024 21:10
 Operator : YP\AJ
 Sample : P4397-02MSD
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

WB-301-BOTMSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/15/2024

Supervised By :Ankita Jodhani 10/15/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 02:02:21 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.052	21980269	20925386	23.746	20.710
2) SA Decachlor...	10.668	9.216	22378953	20811782	19.438	18.558
Target Compounds						
3) L1 AR-1016-1	5.918	5.160	19266009	19467692	582.641m	556.422
4) L1 AR-1016-2	5.940	5.180	26673365	26543274	546.912m	551.050
5) L1 AR-1016-3	6.004	5.360	17607042	15029292	558.742m	557.932
6) L1 AR-1016-4	6.102	5.400	14399421	12906616	559.339m	535.875
7) L1 AR-1016-5	6.396	5.619	15323375	15159930	566.130m	498.520
31) L7 AR-1260-1	7.520	6.663	28676419	28696006	530.812	503.775
32) L7 AR-1260-2	7.774	6.849	32203334	34058663	508.976	510.591
33) L7 AR-1260-3	8.135	7.007	22417205	32631073	432.357	512.253
34) L7 AR-1260-4	8.372	7.482	27523533	24237920	457.244	438.356
35) L7 AR-1260-5	8.709	7.719	48903833	54279895	454.024	443.831

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101424\
Data File : PP067811.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2024 21:10
Operator : YP\AJ
Sample : P4397-02MSD
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

WB-301-BOTMSD

Manual Integrations

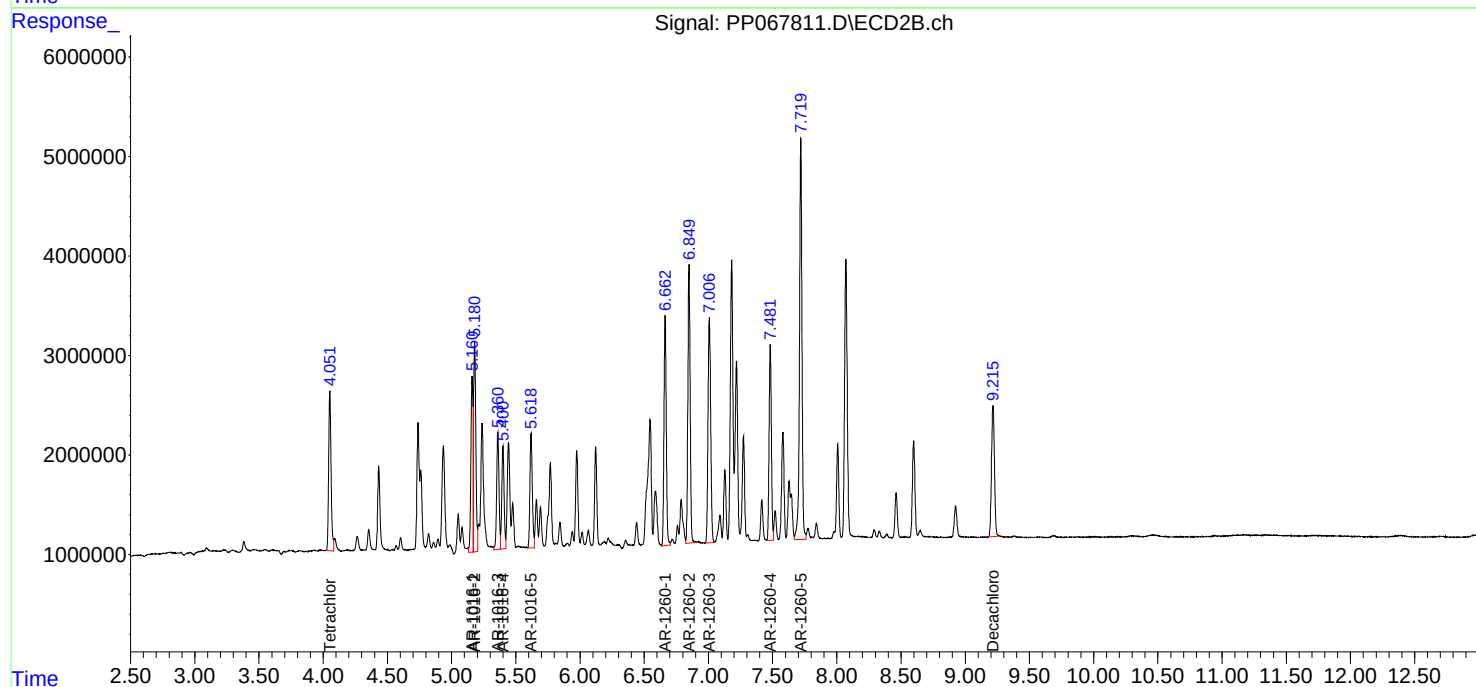
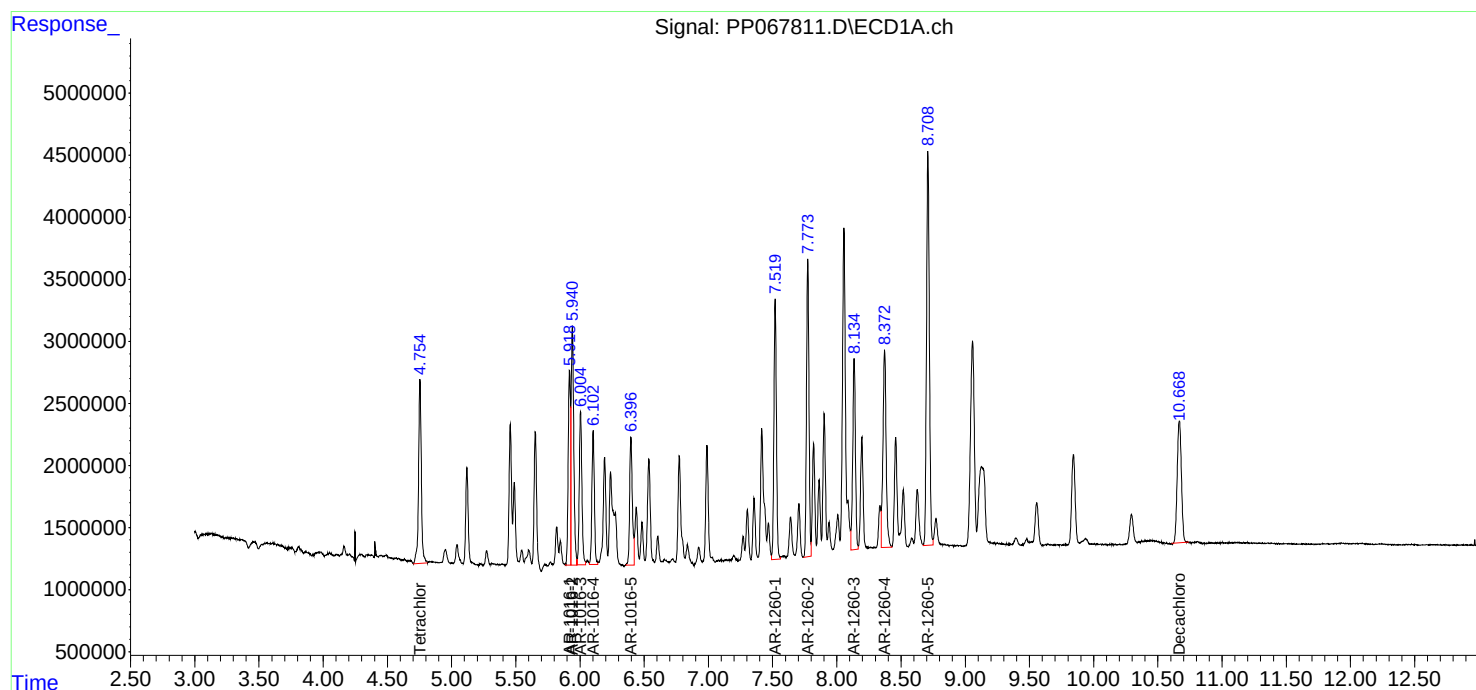
APPROVED

Reviewed By :Yogesh Patel 10/15/2024

Supervised By :Ankita Jodhani 10/15/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 02:02:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

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

Manual Integration Report

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



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

Manual Integration Report

Sequence:

pp100824

Instrument

ECD_p

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	PP101424	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4397-01	PP067808.D	Tetrachloro-m-xylene #2	yogesh	10/15/2024 8:35:10 AM	Ankita	10/15/2024 4:23:46	Peak Integrated by Software
P4397-02MS	PP067810.D	AR-1016-1	yogesh	10/15/2024 8:35:12 AM	Ankita	10/15/2024 4:23:48	Peak Integrated by Software
P4397-02MS	PP067810.D	AR-1016-2	yogesh	10/15/2024 8:35:12 AM	Ankita	10/15/2024 4:23:48	Peak Integrated by Software
P4397-02MS	PP067810.D	AR-1016-3	yogesh	10/15/2024 8:35:12 AM	Ankita	10/15/2024 4:23:48	Peak Integrated by Software
P4397-02MS	PP067810.D	AR-1016-4	yogesh	10/15/2024 8:35:12 AM	Ankita	10/15/2024 4:23:48	Peak Integrated by Software
P4397-02MS	PP067810.D	AR-1016-5	yogesh	10/15/2024 8:35:12 AM	Ankita	10/15/2024 4:23:48	Peak Integrated by Software
P4397-02MSD	PP067811.D	AR-1016-1	yogesh	10/15/2024 8:35:14 AM	Ankita	10/15/2024 4:23:49	Peak Integrated by Software
P4397-02MSD	PP067811.D	AR-1016-2	yogesh	10/15/2024 8:35:14 AM	Ankita	10/15/2024 4:23:49	Peak Integrated by Software
P4397-02MSD	PP067811.D	AR-1016-3	yogesh	10/15/2024 8:35:14 AM	Ankita	10/15/2024 4:23:49	Peak Integrated by Software
P4397-02MSD	PP067811.D	AR-1016-4	yogesh	10/15/2024 8:35:14 AM	Ankita	10/15/2024 4:23:49	Peak Integrated by Software
P4397-02MSD	PP067811.D	AR-1016-5	yogesh	10/15/2024 8:35:14 AM	Ankita	10/15/2024 4:23:49	Peak Integrated by Software

Manual Integration Report

Sequence:	PP101524	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP067840.D	AR-1016-5 #2	yogesh	10/16/2024 8:49:54 AM	Ankita	10/16/2024 9:38:06	Peak Integrated by Software
AR1242CCC500	PP067841.D	AR-1242-5	yogesh	10/16/2024 8:49:55 AM	Ankita	10/16/2024 9:38:07	Peak Integrated by Software
AR1248CCC500	PP067842.D	AR-1248-4 #2	yogesh	10/16/2024 8:49:58 AM	Ankita	10/16/2024 9:38:09	Peak Integrated by Software
AR1248CCC500	PP067842.D	AR-1248-5 #2	yogesh	10/16/2024 8:49:58 AM	Ankita	10/16/2024 9:38:09	Peak Integrated by Software
AR1254CCC500	PP067843.D	AR-1254-1	yogesh	10/16/2024 8:50:00 AM	Ankita	10/16/2024 9:38:10	Peak Integrated by Software
AR1254CCC500	PP067843.D	AR-1254-1 #2	yogesh	10/16/2024 8:50:00 AM	Ankita	10/16/2024 9:38:10	Peak Integrated by Software
AR1254CCC500	PP067843.D	AR-1254-2	yogesh	10/16/2024 8:50:00 AM	Ankita	10/16/2024 9:38:10	Peak Integrated by Software
AR1254CCC500	PP067843.D	AR-1254-2 #2	yogesh	10/16/2024 8:50:00 AM	Ankita	10/16/2024 9:38:10	Peak Integrated by Software
AR1242CCC500	PP067875.D	AR-1242-5	yogesh	10/16/2024 8:50:16 AM	Ankita	10/16/2024 9:38:46	Peak Integrated by Software
AR1242CCC500	PP067875.D	AR-1242-5 #2	yogesh	10/16/2024 8:50:16 AM	Ankita	10/16/2024 9:38:46	Peak Integrated by Software
AR1248CCC500	PP067876.D	AR-1248-4 #2	yogesh	10/16/2024 8:50:18 AM	Ankita	10/16/2024 9:38:47	Peak Integrated by Software
AR1248CCC500	PP067876.D	AR-1248-5 #2	yogesh	10/16/2024 8:50:18 AM	Ankita	10/16/2024 9:38:47	Peak Integrated by Software
AR1254CCC500	PP067877.D	AR-1254-1	yogesh	10/16/2024 8:50:20 AM	Ankita	10/16/2024 9:38:49	Peak Integrated by Software

Manual Integration Report

Sequence:	PP101524	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP067877.D	AR-1254-1 #2	yogesh	10/16/2024 8:50:20 AM	Ankita	10/16/2024 9:38:49	Peak Integrated by Software
AR1254CCC500	PP067877.D	AR-1254-2	yogesh	10/16/2024 8:50:20 AM	Ankita	10/16/2024 9:38:49	Peak Integrated by Software
AR1254CCC500	PP067877.D	AR-1254-2 #2	yogesh	10/16/2024 8:50:20 AM	Ankita	10/16/2024 9:38:49	Peak Integrated by Software
AR1254CCC500	PP067877.D	AR-1254-3	yogesh	10/16/2024 8:50:20 AM	Ankita	10/16/2024 9:38:49	Peak Integrated by Software
AR1254CCC500	PP067877.D	AR-1254-4	yogesh	10/16/2024 8:50:20 AM	Ankita	10/16/2024 9:38:49	Peak Integrated by Software
AR1242CCC500	PP067884.D	AR-1242-5	yogesh	10/16/2024 8:50:26 AM	Ankita	10/16/2024 9:38:54	Peak Integrated by Software
AR1242CCC500	PP067884.D	AR-1242-5 #2	yogesh	10/16/2024 8:50:26 AM	Ankita	10/16/2024 9:38:54	Peak Integrated by Software
AR1248CCC500	PP067885.D	AR-1248-4	yogesh	10/16/2024 8:50:28 AM	Ankita	10/16/2024 9:38:55	Peak Integrated by Software
AR1248CCC500	PP067885.D	AR-1248-4 #2	yogesh	10/16/2024 8:50:28 AM	Ankita	10/16/2024 9:38:55	Peak Integrated by Software
AR1248CCC500	PP067885.D	AR-1248-5	yogesh	10/16/2024 8:50:28 AM	Ankita	10/16/2024 9:38:55	Peak Integrated by Software
AR1254CCC500	PP067886.D	AR-1254-1	yogesh	10/16/2024 8:50:32 AM	Ankita	10/16/2024 9:38:57	Peak Integrated by Software
AR1254CCC500	PP067886.D	AR-1254-2	yogesh	10/16/2024 8:50:32 AM	Ankita	10/16/2024 9:38:57	Peak Integrated by Software
AR1254CCC500	PP067886.D	AR-1254-3	yogesh	10/16/2024 8:50:32 AM	Ankita	10/16/2024 9:38:57	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PP101524

Instrument

ECD_p

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP100824

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

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP100824

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

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

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101424

Review By	yogesh	Review On	10/15/2024 8:39:29 AM
Supervise By	Ankita	Supervise On	10/15/2024 4:24:07 PM
SubDirectory	PP101424	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP067773.D	14 Oct 2024 08:55	YP\AJ	Ok
2	AR1660CCC500	PP067774.D	14 Oct 2024 09:11 am	YP\AJ	Ok
3	AR1242CCC500	PP067775.D	14 Oct 2024 10:32	YP\AJ	Ok
4	AR1248CCC500	PP067776.D	14 Oct 2024 10:48	YP\AJ	Ok
5	AR1254CCC500	PP067777.D	14 Oct 2024 11:05	YP\AJ	Ok
6	I.BLK	PP067778.D	14 Oct 2024 11:21	YP\AJ	Ok
7	PB164113BL	PP067779.D	14 Oct 2024 12:22	YP\AJ	Ok
8	PB164113BS	PP067780.D	14 Oct 2024 12:38	YP\AJ	Ok
9	P4390-01	PP067781.D	14 Oct 2024 12:54	YP\AJ	Ok,M
10	P4390-02	PP067782.D	14 Oct 2024 13:11	YP\AJ	Ok,M
11	P4390-03	PP067783.D	14 Oct 2024 13:27	YP\AJ	Ok,M
12	P4390-04	PP067784.D	14 Oct 2024 13:43	YP\AJ	Ok,M
13	P4390-05	PP067785.D	14 Oct 2024 13:59	YP\AJ	Ok,M
14	P4390-06	PP067786.D	14 Oct 2024 14:15	YP\AJ	Ok,M
15	PB164124BL	PP067787.D	14 Oct 2024 14:31	YP\AJ	Ok
16	PB164124BS	PP067788.D	14 Oct 2024 14:48	YP\AJ	Ok
17	P4391-01	PP067789.D	14 Oct 2024 15:04	YP\AJ	Ok
18	P4391-04	PP067790.D	14 Oct 2024 15:20	YP\AJ	Ok
19	AR1660CCC500	PP067791.D	14 Oct 2024 03:36 pm	YP\AJ	Ok
20	I.BLK	PP067792.D	14 Oct 2024 15:52	YP\AJ	Ok
21	P4391-07	PP067793.D	14 Oct 2024 04:19 pm	YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101424

Review By	yogesh	Review On	10/15/2024 8:39:29 AM
Supervise By	Ankita	Supervise On	10/15/2024 4:24:07 PM
SubDirectory	PP101424	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4391-10	PP067794.D	14 Oct 2024 16:36	YP\AJ	Ok
23	P4391-13	PP067795.D	14 Oct 2024 16:52	YP\AJ	Ok,M
24	P4391-16	PP067796.D	14 Oct 2024 17:08	YP\AJ	Ok
25	P4391-17	PP067797.D	14 Oct 2024 17:24	YP\AJ	Ok
26	P4391-19	PP067798.D	14 Oct 2024 17:40	YP\AJ	Ok
27	P4391-21	PP067799.D	14 Oct 2024 17:56	YP\AJ	Ok
28	P4391-23	PP067800.D	14 Oct 2024 18:12	YP\AJ	Ok
29	P4391-24	PP067801.D	14 Oct 2024 18:29	YP\AJ	Ok
30	P4391-26	PP067802.D	14 Oct 2024 18:45	YP\AJ	Ok,M
31	P4391-27	PP067803.D	14 Oct 2024 19:01	YP\AJ	Ok,M
32	P4391-29	PP067804.D	14 Oct 2024 19:17	YP\AJ	Ok
33	P4391-30	PP067805.D	14 Oct 2024 19:33	YP\AJ	Ok
34	P4391-32	PP067806.D	14 Oct 2024 19:50	YP\AJ	Ok
35	P4391-33	PP067807.D	14 Oct 2024 20:06	YP\AJ	Ok
36	P4397-01	PP067808.D	14 Oct 2024 20:22	YP\AJ	Ok,M
37	P4397-02	PP067809.D	14 Oct 2024 20:38	YP\AJ	Ok
38	P4397-02MS	PP067810.D	14 Oct 2024 20:54	YP\AJ	Ok,M
39	P4397-02MSD	PP067811.D	14 Oct 2024 21:10	YP\AJ	Ok,M
40	P4397-04	PP067812.D	14 Oct 2024 21:26	YP\AJ	Ok
41	AR1660CCC500	PP067813.D	14 Oct 2024 22:04	YP\AJ	Ok
42	AR1242CCC500	PP067814.D	14 Oct 2024 22:20	YP\AJ	Ok
43	AR1248CCC500	PP067815.D	14 Oct 2024 22:36	YP\AJ	Ok
44	AR1254CCC500	PP067816.D	14 Oct 2024 22:53	YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101424

Review By	yogesh	Review On	10/15/2024 8:39:29 AM
Supervise By	Ankita	Supervise On	10/15/2024 4:24:07 PM
SubDirectory	PP101424	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	I.BLK	PP067817.D	14 Oct 2024 23:09	YP\AJ	Ok
46	PB164116BL	PP067818.D	14 Oct 2024 23:25	YP\AJ	Ok
47	PB164116BS	PP067819.D	14 Oct 2024 23:41	YP\AJ	Ok
48	P4393-01	PP067820.D	14 Oct 2024 23:57	YP\AJ	Ok
49	P4393-02	PP067821.D	15 Oct 2024 00:13	YP\AJ	Ok
50	P4393-03	PP067822.D	15 Oct 2024 00:29	YP\AJ	Ok,M
51	AR1660CCC500	PP067823.D	15 Oct 2024 09:11	YP\AJ	Ok
52	I.BLK	PP067824.D	15 Oct 2024 09:27	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101524

Review By	yogesh	Review On	10/16/2024 8:50:59 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:39:13 AM
SubDirectory	PP101524	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	AR1660CCC500	PP067825.D	15 Oct 2024 09:43 am	YP\AJ	Ok
2	AR1242CCC500	PP067826.D	15 Oct 2024 09:59	YP\AJ	Ok
3	AR1248CCC500	PP067827.D	15 Oct 2024 10:15	YP\AJ	Ok
4	AR1254CCC500	PP067828.D	15 Oct 2024 10:31	YP\AJ	Ok
5	I.BLK	PP067829.D	15 Oct 2024 10:47	YP\AJ	Ok
6	P4382-01	PP067830.D	15 Oct 2024 11:04	YP\AJ	Ok
7	P4402-01	PP067831.D	15 Oct 2024 11:20	YP\AJ	ReRun
8	P4402-02	PP067832.D	15 Oct 2024 11:36	YP\AJ	ReRun
9	P4402-03	PP067833.D	15 Oct 2024 11:52	YP\AJ	Ok,M
10	P4402-04	PP067834.D	15 Oct 2024 12:08	YP\AJ	Ok
11	P4402-05	PP067835.D	15 Oct 2024 12:24	YP\AJ	Ok
12	P4396-01	PP067836.D	15 Oct 2024 12:40	YP\AJ	Ok
13	P4402-02RE	PP067837.D	15 Oct 2024 13:00	YP\AJ	Confirms
14	PB164139BL	PP067838.D	15 Oct 2024 13:16	YP\AJ	Ok
15	P4402-01	PP067839.D	15 Oct 2024 13:32	YP\AJ	Ok,M
16	AR1660CCC500	PP067840.D	15 Oct 2024 13:48	YP\AJ	Ok,M
17	AR1242CCC500	PP067841.D	15 Oct 2024 14:05	YP\AJ	Ok,M
18	AR1248CCC500	PP067842.D	15 Oct 2024 14:21	YP\AJ	Ok,M
19	AR1254CCC500	PP067843.D	15 Oct 2024 14:37	YP\AJ	Ok,M
20	I.BLK	PP067844.D	15 Oct 2024 14:53	YP\AJ	Ok
21	PB164139BS	PP067845.D	15 Oct 2024 15:09	YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101524

Review By	yogesh	Review On	10/16/2024 8:50:59 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:39:13 AM
SubDirectory	PP101524	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB164139BSD	PP067846.D	15 Oct 2024 15:25	YP\AJ	Ok
23	P4394-01	PP067847.D	15 Oct 2024 15:41	YP\AJ	Ok
24	P4394-02	PP067848.D	15 Oct 2024 15:57	YP\AJ	Ok
25	P4395-01	PP067849.D	15 Oct 2024 16:13	YP\AJ	Ok,M
26	P4395-01MS	PP067850.D	15 Oct 2024 16:30	YP\AJ	Ok,M
27	P4395-01MSD	PP067851.D	15 Oct 2024 16:46	YP\AJ	Ok,M
28	PB164150BL	PP067852.D	15 Oct 2024 17:02	YP\AJ	Ok
29	PB164150BS	PP067853.D	15 Oct 2024 17:18	YP\AJ	Ok
30	P4392-02	PP067854.D	15 Oct 2024 17:34	YP\AJ	Ok
31	P4392-04	PP067855.D	15 Oct 2024 17:50	YP\AJ	Ok
32	P4392-06	PP067856.D	15 Oct 2024 18:06	YP\AJ	Ok
33	P4392-06MS	PP067857.D	15 Oct 2024 18:22	YP\AJ	Ok,M
34	P4392-06MSD	PP067858.D	15 Oct 2024 18:39	YP\AJ	Ok,M
35	P4392-09	PP067859.D	15 Oct 2024 18:55	YP\AJ	Ok
36	P4392-12	PP067860.D	15 Oct 2024 19:11	YP\AJ	Ok,M
37	P4392-15	PP067861.D	15 Oct 2024 19:27	YP\AJ	Ok
38	P4392-18	PP067862.D	15 Oct 2024 19:43	YP\AJ	Ok
39	P4392-20	PP067863.D	15 Oct 2024 19:59	YP\AJ	Ok
40	P4392-22	PP067864.D	15 Oct 2024 20:15	YP\AJ	Ok
41	AR1660CCC500	PP067865.D	15 Oct 2024 20:42	YP\AJ	Ok
42	I.BLK	PP067866.D	15 Oct 2024 20:58	YP\AJ	Ok
43	P4392-24	PP067867.D	15 Oct 2024 21:14	YP\AJ	Ok
44	P4392-26	PP067868.D	15 Oct 2024 21:30	YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101524

Review By	yogesh	Review On	10/16/2024 8:50:59 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:39:13 AM
SubDirectory	PP101524	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	P4392-28	PP067869.D	15 Oct 2024 21:46	YPIAJ	Ok
46	P4392-30	PP067870.D	15 Oct 2024 22:02	YPIAJ	Ok
47	P4392-31	PP067871.D	15 Oct 2024 22:18	YPIAJ	Ok
48	P4392-32	PP067872.D	15 Oct 2024 22:35	YPIAJ	Ok
49	P4392-33	PP067873.D	15 Oct 2024 22:51	YPIAJ	Ok
50	AR1660CCC500	PP067874.D	15 Oct 2024 23:18	YPIAJ	Ok
51	AR1242CCC500	PP067875.D	15 Oct 2024 23:34	YPIAJ	Ok,M
52	AR1248CCC500	PP067876.D	15 Oct 2024 23:50	YPIAJ	Ok,M
53	AR1254CCC500	PP067877.D	16 Oct 2024 00:06	YPIAJ	Ok,M
54	I.BLK	PP067878.D	16 Oct 2024 00:22	YPIAJ	Ok
55	P4399-01	PP067879.D	16 Oct 2024 00:38	YPIAJ	Ok,M
56	P4400-01	PP067880.D	16 Oct 2024 00:54	YPIAJ	Ok
57	P4401-01	PP067881.D	16 Oct 2024 01:10	YPIAJ	Ok
58	P4403-01	PP067882.D	16 Oct 2024 01:26	YPIAJ	Ok,M
59	AR1660CCC500	PP067883.D	16 Oct 2024 02:04	YPIAJ	Ok
60	AR1242CCC500	PP067884.D	16 Oct 2024 02:20	YPIAJ	Ok,M
61	AR1248CCC500	PP067885.D	16 Oct 2024 02:36	YPIAJ	Ok,M
62	AR1254CCC500	PP067886.D	16 Oct 2024 02:52	YPIAJ	Ok,M
63	I.BLK	PP067887.D	16 Oct 2024 03:09	YPIAJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP100824

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

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

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP100824

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

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

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101424

Review By	yogesh	Review On	10/15/2024 8:39:29 AM
Supervise By	Ankita	Supervise On	10/15/2024 4:24:07 PM
SubDirectory	PP101424	HP Acquire Method	HP Processing Method PP100824

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

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP067773.D	14 Oct 2024 08:55		YPIAJ	Ok
2	AR1660CCC500	AR1660CCC500	PP067774.D	14 Oct 2024 09:11 am		YPIAJ	Ok
3	AR1242CCC500	AR1242CCC500	PP067775.D	14 Oct 2024 10:32		YPIAJ	Ok
4	AR1248CCC500	AR1248CCC500	PP067776.D	14 Oct 2024 10:48		YPIAJ	Ok
5	AR1254CCC500	AR1254CCC500	PP067777.D	14 Oct 2024 11:05		YPIAJ	Ok
6	I.BLK	I.BLK	PP067778.D	14 Oct 2024 11:21		YPIAJ	Ok
7	PB164113BL	PB164113BL	PP067779.D	14 Oct 2024 12:22		YPIAJ	Ok
8	PB164113BS	PB164113BS	PP067780.D	14 Oct 2024 12:38		YPIAJ	Ok
9	P4390-01	1	PP067781.D	14 Oct 2024 12:54	TCMX high 1st col	YPIAJ	Ok,M
10	P4390-02	2	PP067782.D	14 Oct 2024 13:11		YPIAJ	Ok,M
11	P4390-03	3	PP067783.D	14 Oct 2024 13:27		YPIAJ	Ok,M
12	P4390-04	4	PP067784.D	14 Oct 2024 13:43		YPIAJ	Ok,M
13	P4390-05	5	PP067785.D	14 Oct 2024 13:59	TCMX high 1st col	YPIAJ	Ok,M
14	P4390-06	6	PP067786.D	14 Oct 2024 14:15		YPIAJ	Ok,M
15	PB164124BL	PB164124BL	PP067787.D	14 Oct 2024 14:31		YPIAJ	Ok
16	PB164124BS	PB164124BS	PP067788.D	14 Oct 2024 14:48		YPIAJ	Ok
17	P4391-01	Q119-1A	PP067789.D	14 Oct 2024 15:04		YPIAJ	Ok
18	P4391-04	Q119-2A	PP067790.D	14 Oct 2024 15:20		YPIAJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101424

Review By	yogesh	Review On	10/15/2024 8:39:29 AM
Supervise By	Ankita	Supervise On	10/15/2024 4:24:07 PM
SubDirectory	PP101424	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1660CCC500	AR1660CCC500	PP067791.D	14 Oct 2024 03:36 pm	YPIAJ	Ok
20	I.BLK	I.BLK	PP067792.D	14 Oct 2024 15:52	YPIAJ	Ok
21	P4391-07	Q119-3A	PP067793.D	14 Oct 2024 04:19 pm	YPIAJ	Ok,M
22	P4391-10	Q119-4A	PP067794.D	14 Oct 2024 16:36	YPIAJ	Ok
23	P4391-13	Q119-5A	PP067795.D	14 Oct 2024 16:52	YPIAJ	Ok,M
24	P4391-16	Q119-6A	PP067796.D	14 Oct 2024 17:08	YPIAJ	Ok
25	P4391-17	Q119-6B	PP067797.D	14 Oct 2024 17:24	YPIAJ	Ok
26	P4391-19	Q119-7B	PP067798.D	14 Oct 2024 17:40	YPIAJ	Ok
27	P4391-21	Q119-8B	PP067799.D	14 Oct 2024 17:56	YPIAJ	Ok
28	P4391-23	Q119-9A	PP067800.D	14 Oct 2024 18:12	YPIAJ	Ok
29	P4391-24	Q119-9B	PP067801.D	14 Oct 2024 18:29	YPIAJ	Ok
30	P4391-26	Q119-10A	PP067802.D	14 Oct 2024 18:45	YPIAJ	Ok,M
31	P4391-27	Q119-10B	PP067803.D	14 Oct 2024 19:01	YPIAJ	Ok,M
32	P4391-29	Q119-11A	PP067804.D	14 Oct 2024 19:17	YPIAJ	Ok
33	P4391-30	Q119-11B	PP067805.D	14 Oct 2024 19:33	YPIAJ	Ok
34	P4391-32	Q119-12A	PP067806.D	14 Oct 2024 19:50	YPIAJ	Ok
35	P4391-33	Q119-12B	PP067807.D	14 Oct 2024 20:06	YPIAJ	Ok
36	P4397-01	WB-301-TOP	PP067808.D	14 Oct 2024 20:22	YPIAJ	Ok,M
37	P4397-02	WB-301-BOT	PP067809.D	14 Oct 2024 20:38	YPIAJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101424

Review By	yogesh	Review On	10/15/2024 8:39:29 AM
Supervise By	Ankita	Supervise On	10/15/2024 4:24:07 PM
SubDirectory	PP101424	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	P4397-02MS	WB-301-BOTMS	PP067810.D	14 Oct 2024 20:54		YPIAJ	Ok,M
39	P4397-02MSD	WB-301-BOTMSD	PP067811.D	14 Oct 2024 21:10		YPIAJ	Ok,M
40	P4397-04	WB-301-SW	PP067812.D	14 Oct 2024 21:26		YPIAJ	Ok
41	AR1660CCC500	AR1660CCC500	PP067813.D	14 Oct 2024 22:04		YPIAJ	Ok
42	AR1242CCC500	AR1242CCC500	PP067814.D	14 Oct 2024 22:20		YPIAJ	Ok
43	AR1248CCC500	AR1248CCC500	PP067815.D	14 Oct 2024 22:36		YPIAJ	Ok
44	AR1254CCC500	AR1254CCC500	PP067816.D	14 Oct 2024 22:53		YPIAJ	Ok
45	I.BLK	I.BLK	PP067817.D	14 Oct 2024 23:09		YPIAJ	Ok
46	PB164116BL	PB164116BL	PP067818.D	14 Oct 2024 23:25		YPIAJ	Ok
47	PB164116BS	PB164116BS	PP067819.D	14 Oct 2024 23:41		YPIAJ	Ok
48	P4393-01	BUST-DEBRIS	PP067820.D	14 Oct 2024 23:57		YPIAJ	Ok
49	P4393-02	BUST-OIL	PP067821.D	15 Oct 2024 00:13		YPIAJ	Ok
50	P4393-03	BUST-TOTE-OIL	PP067822.D	15 Oct 2024 00:29		YPIAJ	Ok,M
51	AR1660CCC500	AR1660CCC500	PP067823.D	15 Oct 2024 09:11		YPIAJ	Ok
52	I.BLK	I.BLK	PP067824.D	15 Oct 2024 09:27		YPIAJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101524

Review By	yogesh	Review On	10/16/2024 8:50:59 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:39:13 AM
SubDirectory	PP101524	HP Acquire Method	HP Processing Method PP100824

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

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	AR1660CCC500	AR1660CCC500	PP067825.D	15 Oct 2024 09:43 am		YPIAJ	Ok
2	AR1242CCC500	AR1242CCC500	PP067826.D	15 Oct 2024 09:59		YPIAJ	Ok
3	AR1248CCC500	AR1248CCC500	PP067827.D	15 Oct 2024 10:15		YPIAJ	Ok
4	AR1254CCC500	AR1254CCC500	PP067828.D	15 Oct 2024 10:31		YPIAJ	Ok
5	I.BLK	I.BLK	PP067829.D	15 Oct 2024 10:47		YPIAJ	Ok
6	P4382-01	DECON-DRUM	PP067830.D	15 Oct 2024 11:04		YPIAJ	Ok
7	P4402-01	1 - Drum	PP067831.D	15 Oct 2024 11:20	DCB low both col	YPIAJ	ReRun
8	P4402-02	2 - Drum	PP067832.D	15 Oct 2024 11:36	DCB low both col	YPIAJ	ReRun
9	P4402-03	3 - Tote	PP067833.D	15 Oct 2024 11:52		YPIAJ	Ok,M
10	P4402-04	4 - Tote	PP067834.D	15 Oct 2024 12:08		YPIAJ	Ok
11	P4402-05	5 - Tote	PP067835.D	15 Oct 2024 12:24	DCB low 2nd col	YPIAJ	Ok
12	P4396-01	WASTE-WATER-FRAC	PP067836.D	15 Oct 2024 12:40	AR1254 Hit	YPIAJ	Ok
13	P4402-02RE	2 - DrumRE	PP067837.D	15 Oct 2024 13:00	DCB low both col	YPIAJ	Confirms
14	PB164139BL	PB164139BL	PP067838.D	15 Oct 2024 13:16		YPIAJ	Ok
15	P4402-01	1 - Drum	PP067839.D	15 Oct 2024 13:32	DCB low 2nd col	YPIAJ	Ok,M
16	AR1660CCC500	AR1660CCC500	PP067840.D	15 Oct 2024 13:48		YPIAJ	Ok,M
17	AR1242CCC500	AR1242CCC500	PP067841.D	15 Oct 2024 14:05		YPIAJ	Ok,M
18	AR1248CCC500	AR1248CCC500	PP067842.D	15 Oct 2024 14:21		YPIAJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101524

Review By	yogesh	Review On	10/16/2024 8:50:59 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:39:13 AM
SubDirectory	PP101524	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1254CCC500	AR1254CCC500	PP067843.D	15 Oct 2024 14:37		YPIAJ	Ok,M
20	I.BLK	I.BLK	PP067844.D	15 Oct 2024 14:53		YPIAJ	Ok
21	PB164139BS	PB164139BS	PP067845.D	15 Oct 2024 15:09		YPIAJ	Ok
22	PB164139BSD	PB164139BSD	PP067846.D	15 Oct 2024 15:25		YPIAJ	Ok
23	P4394-01	WASH-DEBRIS	PP067847.D	15 Oct 2024 15:41		YPIAJ	Ok
24	P4394-02	WASH-OIL	PP067848.D	15 Oct 2024 15:57		YPIAJ	Ok
25	P4395-01	F05308-SOLID	PP067849.D	15 Oct 2024 16:13	AR1260 Hit	YPIAJ	Ok,M
26	P4395-01MS	F05308-SOLIDMS	PP067850.D	15 Oct 2024 16:30		YPIAJ	Ok,M
27	P4395-01MSD	F05308-SOLIDMSD	PP067851.D	15 Oct 2024 16:46		YPIAJ	Ok,M
28	PB164150BL	PB164150BL	PP067852.D	15 Oct 2024 17:02		YPIAJ	Ok
29	PB164150BS	PB164150BS	PP067853.D	15 Oct 2024 17:18		YPIAJ	Ok
30	P4392-02	Q119-13B	PP067854.D	15 Oct 2024 17:34		YPIAJ	Ok
31	P4392-04	Q119-14B	PP067855.D	15 Oct 2024 17:50		YPIAJ	Ok
32	P4392-06	Q119-15A	PP067856.D	15 Oct 2024 18:06		YPIAJ	Ok
33	P4392-06MS	Q119-15AMS	PP067857.D	15 Oct 2024 18:22		YPIAJ	Ok,M
34	P4392-06MSD	Q119-15AMSD	PP067858.D	15 Oct 2024 18:39		YPIAJ	Ok,M
35	P4392-09	Q119-16A	PP067859.D	15 Oct 2024 18:55		YPIAJ	Ok
36	P4392-12	Q119-17A	PP067860.D	15 Oct 2024 19:11	AR1254 Hit	YPIAJ	Ok,M
37	P4392-15	Q119-18A	PP067861.D	15 Oct 2024 19:27		YPIAJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101524

Review By	yogesh	Review On	10/16/2024 8:50:59 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:39:13 AM
SubDirectory	PP101524	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	P4392-18	Q119-19A	PP067862.D	15 Oct 2024 19:43		YPIAJ	Ok
39	P4392-20	Q119-20A	PP067863.D	15 Oct 2024 19:59		YPIAJ	Ok
40	P4392-22	Q119-21A	PP067864.D	15 Oct 2024 20:15		YPIAJ	Ok
41	AR1660CCC500	AR1660CCC500	PP067865.D	15 Oct 2024 20:42		YPIAJ	Ok
42	I.BLK	I.BLK	PP067866.D	15 Oct 2024 20:58		YPIAJ	Ok
43	P4392-24	Q119-22A	PP067867.D	15 Oct 2024 21:14		YPIAJ	Ok
44	P4392-26	Q119-23A	PP067868.D	15 Oct 2024 21:30		YPIAJ	Ok,M
45	P4392-28	Q119-24A	PP067869.D	15 Oct 2024 21:46		YPIAJ	Ok
46	P4392-30	Q119-DUP1	PP067870.D	15 Oct 2024 22:02		YPIAJ	Ok
47	P4392-31	Q119-DUP2	PP067871.D	15 Oct 2024 22:18		YPIAJ	Ok
48	P4392-32	Q119-DUP3	PP067872.D	15 Oct 2024 22:35		YPIAJ	Ok
49	P4392-33	Q119-DUP4	PP067873.D	15 Oct 2024 22:51		YPIAJ	Ok
50	AR1660CCC500	AR1660CCC500	PP067874.D	15 Oct 2024 23:18		YPIAJ	Ok
51	AR1242CCC500	AR1242CCC500	PP067875.D	15 Oct 2024 23:34		YPIAJ	Ok,M
52	AR1248CCC500	AR1248CCC500	PP067876.D	15 Oct 2024 23:50		YPIAJ	Ok,M
53	AR1254CCC500	AR1254CCC500	PP067877.D	16 Oct 2024 00:06		YPIAJ	Ok,M
54	I.BLK	I.BLK	PP067878.D	16 Oct 2024 00:22		YPIAJ	Ok
55	P4399-01	1009-A	PP067879.D	16 Oct 2024 00:38	TCMX High in 1st column	YPIAJ	Ok,M
56	P4400-01	NB-08-101424	PP067880.D	16 Oct 2024 00:54		YPIAJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101524

Review By	yogesh	Review On	10/16/2024 8:50:59 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:39:13 AM
SubDirectory	PP101524	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

57	P4401-01	SU-03-101424	PP067881.D	16 Oct 2024 01:10		YP\AJ	Ok
58	P4403-01	Hawthorne TP Soil	PP067882.D	16 Oct 2024 01:26		YP\AJ	Ok,M
59	AR1660CCC500	AR1660CCC500	PP067883.D	16 Oct 2024 02:04		YP\AJ	Ok
60	AR1242CCC500	AR1242CCC500	PP067884.D	16 Oct 2024 02:20		YP\AJ	Ok,M
61	AR1248CCC500	AR1248CCC500	PP067885.D	16 Oct 2024 02:36		YP\AJ	Ok,M
62	AR1254CCC500	AR1254CCC500	PP067886.D	16 Oct 2024 02:52		YP\AJ	Ok,M
63	I.BLK	I.BLK	PP067887.D	16 Oct 2024 03:09		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/15/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:30
In Date: 10/14/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

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

QC:LB132917

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
P4391-01	Q119-1A	1	1.15	8.63	9.78	8.17	81.3	
P4391-04	Q119-2A	2	1.15	8.62	9.77	7.58	74.6	
P4391-07	Q119-3A	3	1.13	8.80	9.93	8.36	82.2	
P4391-10	Q119-4A	4	1.15	8.75	9.9	7.98	78.1	
P4391-13	Q119-5A	5	1.16	8.73	9.89	7.3	70.3	
P4391-16	Q119-6A	6	1.18	8.44	9.62	8.31	84.5	
P4391-17	Q119-6B	7	1.15	8.81	9.96	8.06	78.4	
P4391-19	Q119-7B	8	1.17	8.60	9.77	8.61	86.5	
P4391-21	Q119-8B	9	1.16	8.65	9.81	8.26	82.1	
P4391-23	Q119-9A	10	1.16	8.71	9.87	8.81	87.8	
P4391-24	Q119-9B	11	1.19	8.50	9.69	8.48	85.8	
P4391-26	Q119-10A	12	1.17	8.60	9.77	9.00	91.0	
P4391-27	Q119-10B	13	1.15	8.83	9.98	7.53	72.3	
P4391-29	Q119-11A	14	1.17	8.57	9.74	9.36	95.6	
P4391-30	Q119-11B	15	1.18	8.51	9.69	9.16	93.8	
P4391-32	Q119-12A	16	1.15	8.44	9.59	9.28	96.3	
P4391-33	Q119-12B	17	1.15	8.76	9.91	9.13	91.1	
P4392-01	Q119-12C	18	1.18	8.58	9.76	8.71	87.8	
P4392-02	Q119-13B	19	1.18	8.43	9.61	9.11	94.1	
P4392-03	Q119-13C	20	1.11	8.78	9.89	8.92	89.0	
P4392-04	Q119-14B	21	1.13	8.75	9.88	8.98	89.7	
P4392-05	Q119-14C	22	1.15	8.82	9.97	8.66	85.1	
P4392-06	Q119-15A	23	1.15	8.82	9.97	9.13	90.5	
P4392-07	Q119-15B	24	1.18	8.53	9.71	8.34	83.9	
P4392-08	Q119-15C	25	1.15	8.68	9.83	8.41	83.6	
P4392-09	Q119-16A	26	1.13	8.80	9.93	9.12	90.8	
P4392-10	Q119-16B	27	1.15	8.50	9.65	8.89	91.1	
P4392-11	Q119-16C	28	1.18	8.40	9.58	8.75	90.1	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/15/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:30
In Date: 10/14/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

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

QC:LB132917

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
P4392-12	Q119-17A	29	1.17	8.60	9.77	9.2	93.4	
P4392-13	Q119-17B	30	1.15	8.53	9.68	8.86	90.4	
P4392-14	Q119-17C	31	1.17	8.46	9.63	8.77	89.8	
P4392-15	Q119-18A	32	1.18	8.66	9.84	9.25	93.2	
P4392-16	Q119-18B	33	1.15	8.38	9.53	8.74	90.6	
P4392-17	Q119-18C	34	1.13	8.73	9.86	9.00	90.1	
P4392-18	Q119-19A	35	1.18	8.50	9.68	8.89	90.7	
P4392-19	Q119-19B	36	1.18	8.63	9.81	9.06	91.3	
P4392-20	Q119-20A	37	1.15	8.80	9.95	9.28	92.4	
P4392-21	Q119-20B	38	1.16	8.40	9.56	8.99	93.2	
P4392-22	Q119-21A	39	1.18	8.71	9.89	9.39	94.3	
P4392-23	Q119-21B	40	1.18	8.42	9.6	9.04	93.3	
P4392-24	Q119-22A	41	1.17	8.55	9.72	9.39	96.1	
P4392-25	Q119-22B	42	1.15	8.82	9.97	9.24	91.7	
P4392-26	Q119-23A	43	1.15	8.50	9.65	9.03	92.7	
P4392-27	Q119-23B	44	1.19	8.67	9.86	9.25	93.0	
P4392-28	Q119-24A	45	1.18	8.50	9.68	8.78	89.4	
P4392-29	Q119-24B	46	1.17	8.75	9.92	8.81	87.3	
P4392-30	Q119-DUP1	47	1.18	8.50	9.68	8.51	86.2	
P4392-31	Q119-DUP2	48	1.18	8.54	9.72	9.35	95.7	
P4392-32	Q119-DUP3	49	1.16	8.80	9.96	9.41	93.7	
P4392-33	Q119-DUP4	50	1.17	8.61	9.78	8.46	84.7	
P4392-34	Q119-DUP5	51	1.18	8.51	9.69	8.92	91.0	
P4392-35	Q119-DUP6	52	1.19	8.52	9.71	7.38	72.7	
P4392-36	Q119-DUP7	53	1.16	8.40	9.56	8.71	89.9	
P4397-01	WB-301-TOP	54	1.15	8.80	9.95	6.72	63.3	
P4397-02	WB-301-BOT	55	1.16	8.63	9.79	7.72	76.0	
P4399-01	1009-A	60	1.00	1.00	2.00	2.00	100.0	debris



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/15/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:30
In Date: 10/14/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

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

QC:LB132917

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
P4400-01	NB-08-101424	61	1.19	8.78	9.97	9.25	91.8	
P4400-02	NB-08-101424-E2	62	1.17	8.57	9.74	9.06	92.1	
P4401-01	SU-03-101424	56	1.15	8.46	9.61	9.35	96.9	
P4401-02	SU-03-101424E2	57	1.18	8.70	9.88	9.52	95.9	
P4403-01	Hawthorne TP Soil	58	1.18	8.58	9.76	8.99	91.0	
P4403-03	Hawthorne TP Soil	59	1.15	8.84	9.99	9.36	92.9	

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

WORKLIST(Hardcopy Internal Chain)

VB 132917

WorkList Name : %1-101424

WorkList ID : 184382

Department : Wet-Chemistry

Date : 10-14-2024 07:40:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4391-01	Q119-1A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4391-04	Q119-2A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4391-07	Q119-3A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4391-10	Q119-4A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4391-13	Q119-5A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4391-16	Q119-6A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4391-17	Q119-6B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4391-19	Q119-7B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4391-21	Q119-8B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4391-23	Q119-9A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4391-24	Q119-9B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4391-26	Q119-10A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4391-27	Q119-10B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4391-29	Q119-11A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4391-30	Q119-11B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4391-32	Q119-12A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4391-33	Q119-12B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-01	Q119-12C	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-02	Q119-13B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-03	Q119-13C	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-04	Q119-14B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO

Date/Time 10-14-24 15:00

Raw Sample Received by: JH WOC

Raw Sample Relinquished by: JH WOC

Date/Time 10-14-24

Raw Sample Received by: JH WOC

Raw Sample Relinquished by: JH WOC

WORKLIST(Hardcopy Internal Chain)

W3132917

WorkList Name : %1-101424

WorkList ID : 184382

Department : Wet-Chemistry

Date : 10-14-2024 07:40:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4392-05	Q119-14C	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-06	Q119-15A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-07	Q119-15B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-08	Q119-15C	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-09	Q119-16A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-10	Q119-16B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-11	Q119-16C	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-12	Q119-17A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-13	Q119-17B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-14	Q119-17C	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-15	Q119-18A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-16	Q119-18B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-17	Q119-18C	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-18	Q119-19A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-19	Q119-19B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-20	Q119-20A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-21	Q119-20B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-22	Q119-21A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-23	Q119-21B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-24	Q119-22A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-25	Q119-22B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO

Date/Time 10-14-24 15:00

Raw Sample Received by: 30 woc

Raw Sample Relinquished by: [Signature]

Date/Time 10-14-24 17:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

VB 132917

WorkList Name : %1-101424

WorkList ID : 184382

Department : Wet-Chemistry

Date : 10-14-2024 07:40:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4392-26	Q119-23A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-27	Q119-23B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-28	Q119-24A	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-29	Q119-24B	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-30	Q119-DUP1	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-31	Q119-DUP2	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-32	Q119-DUP3	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-33	Q119-DUP4	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-34	Q119-DUP5	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-35	Q119-DUP6	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4392-36	Q119-DUP7	Solid	Percent Solids	Cool 4 deg C	ATCE02	K31	10/10/2024	Chemtech -SO
P4397-01	WB-301-TOP	Solid	Percent Solids	Cool 4 deg C	PORT06	K32	10/10/2024	Chemtech -SO
P4397-02	WB-301-BOT	Solid	Percent Solids	Cool 4 deg C	PORT06	K32	10/10/2024	Chemtech -SO
P4399-01	1009-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/14/2024	Chemtech -SO
P4400-01	NB-08-101424	Solid	Percent Solids	Cool 4 deg C	PSEG05	K32	10/14/2024	Chemtech -SO
P4400-02	NB-08-101424-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K32	10/14/2024	Chemtech -SO
P4401-01	SU-03-101424	Solid	Percent Solids	Cool 4 deg C	PSEG05	K33	10/14/2024	Chemtech -SO
P4401-02	SU-03-101424E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K33	10/14/2024	Chemtech -SO
P4403-01	Hawthorne TP Soil	Solid	Percent Solids	Cool 4 deg C	PSEG03	K11	10/14/2024	Chemtech -SO
P4403-03	Hawthorne TP Soil	Solid	Percent Solids	Cool 4 deg C	PSEG03	K11	10/14/2024	Chemtech -SO

Date/Time 10-14-24 15:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 10-14-24 17:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

SOP ID:	M3541-ASE Extraction-14		
Clean Up SOP #:	Acid Cleanup	Extraction Start Date :	10/14/2024
Matrix :	Solid	Extraction Start Time :	10:05
Weigh By:	EH	Extraction By:	RJ
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	3,7
Extraction Method:	☐ Separatory Funnel	☐ Continous Liquid/Liquid	☐ Sonication
		☐ Waste Dilution	☒ Soxhlet
		Extraction End Date :	10/14/2024
		Extraction End Time :	13:10
		Concentration By:	EH
		Supervisor By :	rajesh

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

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2539
Baked Na2SO4	N/A	EP2546
Sand	N/A	E2865
Hexane	N/A	E3816
H2SO4 1:1	N/A	EP2524
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 Vial lot# 03-40 BTS721.

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

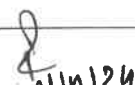
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/14/24	RJ (Ext-Lab)	AJ/KEST PCA Lab
13:15	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 10/14/2024

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164124BL	ABLK124	PCB Group1	30.01	N/A	ritesh	Evelyn	10			U1-1
PB164124BS	ALCS124	PCB Group1	30.03	N/A	ritesh	Evelyn	10			2
P4391-01	Q119-1A	PCB Group1	30.06	N/A	ritesh	Evelyn	10			3
P4391-04	Q119-2A	PCB Group1	30.03	N/A	ritesh	Evelyn	10			4
P4391-07	Q119-3A	PCB Group1	30.07	N/A	ritesh	Evelyn	10			5
P4391-10	Q119-4A	PCB Group1	30.04	N/A	ritesh	Evelyn	10			6
P4391-13	Q119-5A	PCB Group1	30.08	N/A	ritesh	Evelyn	10			U5-1
P4391-16	Q119-6A	PCB Group1	30.10	N/A	ritesh	Evelyn	10			2
P4391-17	Q119-6B	PCB Group1	30.04	N/A	ritesh	Evelyn	10			3
P4391-19	Q119-7B	PCB Group1	30.01	N/A	ritesh	Evelyn	10			4
P4391-21	Q119-8B	PCB Group1	30.06	N/A	ritesh	Evelyn	10			5
P4391-23	Q119-9A	PCB Group1	30.05	N/A	ritesh	Evelyn	10			6
P4391-24	Q119-9B	PCB Group1	30.03	N/A	ritesh	Evelyn	10			U6-1
P4391-26	Q119-10A	PCB Group1	30.08	N/A	ritesh	Evelyn	10			2
P4391-27	Q119-10B	PCB Group1	30.02	N/A	ritesh	Evelyn	10			3
P4391-29	Q119-11A	PCB Group1	30.05	N/A	ritesh	Evelyn	10			4
P4391-30	Q119-11B	PCB Group1	30.09	N/A	ritesh	Evelyn	10			5
P4391-32	Q119-12A	PCB Group1	30.07	N/A	ritesh	Evelyn	10			6
P4391-33	Q119-12B	PCB Group1	30.04	N/A	ritesh	Evelyn	10			U7-1
P4397-01	WB-301-TOP	PCB	30.05	N/A	ritesh	Evelyn	10	E		2
P4397-02	WB-301-BOT	PCB	30.09	N/A	ritesh	Evelyn	10	E		3
P4397-02MS	WB-301-BOTMS	PCB	30.04	N/A	ritesh	Evelyn	10	E		4
P4397-02MS D	WB-301-BOTMSD	PCB	30.06	N/A	ritesh	Evelyn	10	E		5

* Extracts relinquished on the same date as received.



WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4391

WorkList ID : 184413

Department : Extraction

Date : 10-14-2024 10:00:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4391-01	Q119-1A	Solid	PCB Group1	Cool 4 deg C	ATCE02	K31	10/10/2024	8082A
P4391-04	Q119-2A	Solid	PCB Group1	Cool 4 deg C	ATCE02	K31	10/10/2024	8082A
P4391-07	Q119-3A	Solid	PCB Group1	Cool 4 deg C	ATCE02	K31	10/10/2024	8082A
P4391-10	Q119-4A	Solid	PCB Group1	Cool 4 deg C	ATCE02	K31	10/10/2024	8082A
P4391-13	Q119-5A	Solid	PCB Group1	Cool 4 deg C	ATCE02	K31	10/10/2024	8082A
P4391-16	Q119-6A	Solid	PCB Group1	Cool 4 deg C	ATCE02	K31	10/10/2024	8082A
P4391-17	Q119-6B	Solid	PCB Group1	Cool 4 deg C	ATCE02	K31	10/10/2024	8082A
P4391-19	Q119-7B	Solid	PCB Group1	Cool 4 deg C	ATCE02	K31	10/10/2024	8082A
P4391-21	Q119-8B	Solid	PCB Group1	Cool 4 deg C	ATCE02	K31	10/10/2024	8082A
P4391-23	Q119-9A	Solid	PCB Group1	Cool 4 deg C	ATCE02	K31	10/10/2024	8082A
P4391-24	Q119-9B	Solid	PCB Group1	Cool 4 deg C	ATCE02	K31	10/10/2024	8082A
P4391-26	Q119-10A	Solid	PCB Group1	Cool 4 deg C	ATCE02	K31	10/10/2024	8082A
P4391-27	Q119-10B	Solid	PCB Group1	Cool 4 deg C	ATCE02	K31	10/10/2024	8082A
P4391-29	Q119-11A	Solid	PCB Group1	Cool 4 deg C	ATCE02	K31	10/10/2024	8082A
P4391-30	Q119-11B	Solid	PCB Group1	Cool 4 deg C	ATCE02	K31	10/10/2024	8082A
P4391-32	Q119-12A	Solid	PCB Group1	Cool 4 deg C	ATCE02	K31	10/10/2024	8082A
P4391-33	Q119-12B	Solid	PCB Group1	Cool 4 deg C	ATCE02	K31	10/10/2024	8082A
P4397-01	WB-301-TOP	Solid	PCB	Cool 4 deg C	PORT06	K32	10/10/2024	8082A
P4397-02	WB-301-BOT	Solid	PCB	Cool 4 deg C	PORT06	K32	10/10/2024	8082A

Date/Time

10/14/24

10:02

Raw Sample Received by:

JS (JS or Lmy)

Raw Sample Relinquished by:

JS (JS or Lmy)

Date/Time

10/10/24

10:35

Raw Sample Received by:

JS (JS or Lmy)

Raw Sample Relinquished by:

JS (JS or Lmy)

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

Clean Up SOP #: Acid Cleanup

Extraction Start Date : 10/14/2024

Matrix : Water

Extraction Start Time : 13:15

Weigh By: N/A

Extraction By: RS

Extraction End Date : 10/14/2024

Balance check: N/A

Filter By: RS

Extraction End Time : 18:10

Balance ID: N/A

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: E3574

Hood ID: 4,6,7

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
Surrogate	1.0ML	200 PPB	PP23641
Spike Sol 1	1.0ML	5000 PPB	PP23640
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3817
Baked Na2SO4	N/A	EP2546
Hexane	N/A	E3816
H2SO4 1:1	N/A	EP2524
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/14/24	RP (Est Lab)	Y-P-Pest/PCB.
18:15	Preparation Group	Analysis Group

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

Concentration Date: 10/14/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164139BL	ABLK139	PCB	1000	6	RUPESH	rajesh	10			SEP-01
PB164139BS	ALCS139	PCB	1000	6	RUPESH	rajesh	10			2
PB164139BS D	ALCSD139	PCB	1000	6	RUPESH	rajesh	10			3
P4382-01	DECON-DRUM	PCB	1000	6	RUPESH	rajesh	10	B		4
P4396-01	WASTE-WATER-FRAC-TAN K	PCB	980	6	RUPESH	rajesh	10	K		5
P4397-04	WB-301-SW	PCB	960	6	RUPESH	rajesh	10	G		6
P4402-01	1 - DRUM	PCB	1000	6	RUPESH	rajesh	10	E		7
P4402-02	2 - DRUM	PCB	990	6	RUPESH	rajesh	10	E		8
P4402-03	3 - TOTE	PCB	980	6	RUPESH	rajesh	10	E		9
P4402-04	4 - TOTE	PCB	990	6	RUPESH	rajesh	10	E		10
P4402-05	5 - TOTE	PCB	1000	6	RUPESH	rajesh	10	E		11

* Extracts relinquished on the same date as received.

2
10/14/24

11/3
64139

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4402 WorkList ID : 184427 Department : Extraction Date : 10-14-2024 13:13:02

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4382-01	DECON-DRUM	Water	PCB	Cool 4 deg C	PSEG03	K23	10/10/2024	8082A
P4396-01	WASTE-WATER-FRAC-TANK	Water	PCB	Cool 4 deg C	PSEG03	K32	10/11/2024	8082A
P4397-04	WB-301-SW	Water	PCB	Cool 4 deg C	PORT06	K32	10/10/2024	8082A
P4402-01	1 - Drum	Water	PCB	Cool 4 deg C	PSEG03	K11	10/14/2024	8082A
P4402-02	2 - Drum	Water	PCB	Cool 4 deg C	PSEG03	K11	10/14/2024	8082A
P4402-03	3 - Tote	Water	PCB	Cool 4 deg C	PSEG03	K11	10/14/2024	8082A
P4402-04	4 - Tote	Water	PCB	Cool 4 deg C	PSEG03	K11	10/14/2024	8082A
P4402-05	5 - Tote	Water	PCB	Cool 4 deg C	PSEG03	K11	10/14/2024	8082A

Date/Time 10/14/24 13:14
Raw Sample Received by: [Signature] SH
Raw Sample Relinquished by: [Signature] SH

Date/Time 10/14/24 13:35
Raw Sample Received by: [Signature] SH
Raw Sample Relinquished by: [Signature] SH

Prep Standard - Chemical Standard Summary

Order ID : P4397

Test : PCB

Prepbatch ID : PB164124,PB164139,

Sequence ID/Qc Batch ID: PP101424,PP101524,

Standard ID :

EP2524,EP2539,EP2546,PP23640,PP23641,PP23733,PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775,PP23776,PP23777,PP23778,PP23779,PP23780,PP23781,PP23782,PP23783,PP23784,PP23785,PP23786,PP23787,PP23788,PP23789,PP23790,PP23791,PP23792,

Chemical ID :

E2865,E3551,E3788,E3792,E3793,E3804,E3805,E3816,E3817,M5037,P10483,P10500,P11507,P11512,P11520,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12946,P12947,P12957,P13033,P13348,P13350,P13372,W3112,

Extractions STANDARD PREPARATION LOG

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

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

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

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

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2546	10/11/2024	01/03/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Rajesh Parikh 10/11/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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

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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP23641	09/09/2024	02/13/2025	Abdul Mirza	None	None	Ankita Jodhani
								09/10/2024

FROM 1.00000ml of P13348 + 999.00000ml of E3788 = Final Quantity: 1000.000 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>
84	Pest/PCB Surrogate Stock 20 PPM	PP23733	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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	PP23735	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23737	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23739	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23741	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23743	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23745	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23748	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23750	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23752	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23754	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23756	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23758	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23760	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23762	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23764	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23766	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23768	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23770	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23772	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23774	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23776	10/03/2024	04/01/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23778	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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)	PP23780	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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>
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP23782	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

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

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

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

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	PP23784	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23786	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23788	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

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

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

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	PP23790	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3817	AR1268 1000 ppb Working Soln. 2nd source	PP23791	10/03/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P11520 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3823	AR1268 500 PPB STD ICV	PP23792	10/03/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23791 = Final Quantity: 1.000 ml

CHEMICAL RECEIPT LOG BOOK

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	04/01/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3788

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3793

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	04/01/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/30/2025	09/30/2024 / Rajesh	09/25/2024 / Rajesh	E3805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	04/10/2025	10/10/2024 / Rajesh	10/04/2024 / Rajesh	E3816

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24H2762011	04/09/2025	10/09/2024 / Rajesh	10/09/2024 / Rajesh	E3817

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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	04/03/2025	10/03/2024 / Ankita	03/19/2021 / Abdul	P10483

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane	A0167722	04/03/2025	10/03/2024 / Ankita	03/19/2021 / Ankita	P10500

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	04/03/2025	10/03/2024 / Ankita	02/21/2022 / Ankita	P11507

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006626997	04/03/2025	10/03/2024 / Ankita	02/21/2022 / Ankita	P11512

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11581

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0173309	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11587

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0175403	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11590

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0181782	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11597

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc	91867 / Aroclor 1232 100 ug/mL	020823	04/03/2025	10/03/2024 / Ankita	08/07/2023 / Ankita	P12698

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	a0203672	04/03/2025	10/03/2024 / Ankita	12/07/2023 / Ankita	P12929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul	a0202803	04/03/2025	10/03/2024 / Ankita	12/07/2023 / Ankita	P12934

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	01/12/2025	07/12/2024 / Abdul	12/20/2023 / Yogesh	P12946

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12947

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	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc	90165 / Aroclor 1262	112322	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P13033

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	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 #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/03/2025	10/03/2024 / Ankita	04/22/2024 / Abdul	P13350

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	04/03/2025	10/03/2024 / Ankita	05/02/2024 / Ankita	P13372

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

Sand
Purified
Washed and Ignited



Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

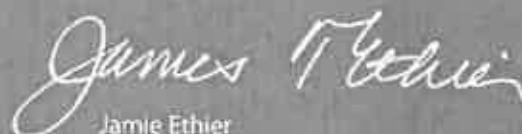
Certificate of Analysis

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
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MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 8/13/24

E 3788

Ken Koehnlein
Sr. Manager, Quality Assurance

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

Avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 09/11/24

E 3192

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
CMOS



Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Recd. by RP on 9/11/24

E3793

Acetone
CMOS



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
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For Microelectronic Use
Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

Recd by RP on 9/25/24

E 3804

>>> Continued on page 2 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
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For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC



Michelle Bales
Sr. Manager, Quality Assurance

Cleanert Florisil

1g/6ml 30/pkg

固相萃取产品

LOT#: M06518

MFG#: F04074



Made in China

CAT# FS0006

 Agela Technologies

E 3806



n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

E3816

Rec'd by RP on 10/4/24

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

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

Page 1 of 1

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4

Batch No.: 24H2762011

Manufactured Date: 2024-06-05

Expiration Date: 2025-09-04

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	5
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3817

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

avantorsm



Material No.: 9673-33

Batch No.: 0000250349

Manufactured Date: 2019/12/17

Retest Date: 2024/12/15

Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H ₂ SO ₄)	95.0 - 98.0 %	96.5
Appearance	Passes Test	PT
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Substances Reducing Permanganate (as SO ₂)	<= 2 ppm	< 2
Ammonium (NH ₄)	<= 1 ppm	< 1
Chloride (Cl)	<= 0.1 ppm	< 0.1
Nitrate (NO ₃)	<= 0.2 ppm	< 0.1
Phosphate (PO ₄)	<= 0.5 ppm	< 0.1
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	0.2
Arsenic and Antimony (as As)	<= 4 ppb	< 2
Trace Impurities - Barium (Ba)	<= 10.0 ppb	< 1.0
Trace Impurities - Beryllium (Be)	<= 10.0 ppb	< 1.0
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 10.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	2.9
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 10.0 ppb	< 1.0
Trace Impurities - Germanium (Ge)	<= 10.0 ppb	< 10.0
Trace Impurities - Gold (Au)	<= 10.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 500 ppb	< 100

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

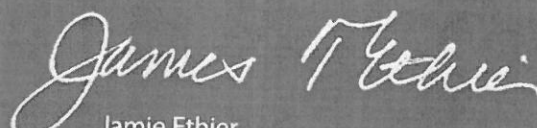
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9673-33
Batch No.: 0000250349

Test	Specification	Result
Trace Impurities - Iron (Fe)	<= 50.0 ppb	4.1
Trace Impurities - Lead (Pb)	<= 0.5 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 10.0 ppb	< 1.0
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	< 0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 10.0 ppb	< 1.0
Trace Impurities - Potassium (K)	<= 500.0 ppb	< 2.0
Trace Impurities - Selenium (Se)	<= 50.0 ppb	22.9
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 500.0 ppb	2.7
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 10.0 ppb	< 5.0
Trace Impurities - Thallium (Tl)	<= 20.0 ppb	< 5.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 10.0 ppb	< 1.0
Trace Impurities - Vanadium (V)	<= 10.0 ppb	< 1.0
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 10.0 ppb	< 1.0

For Laboratory, Research or Manufacturing Use

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



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:

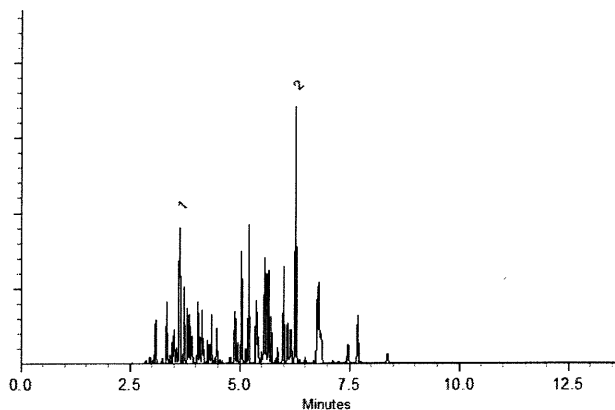
250°C

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)

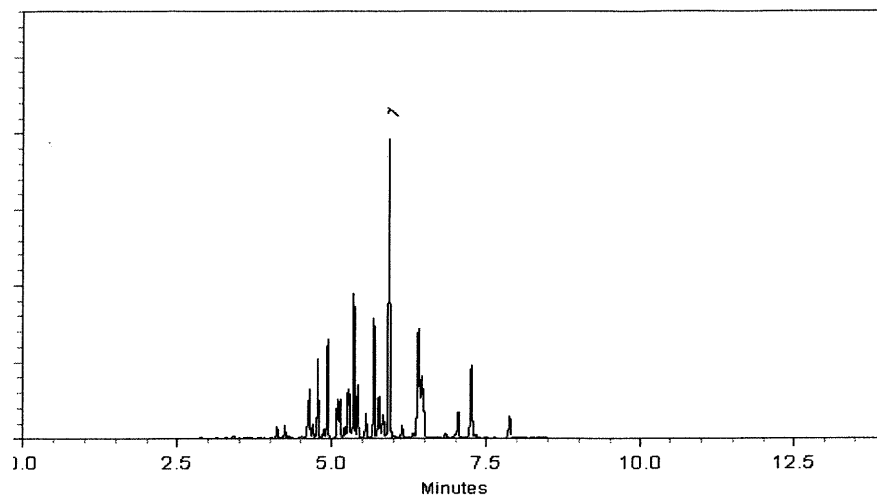
Carrier Gas:
helium-constant pressure 20 psi.

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

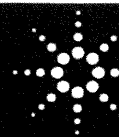
Balance: B707717271

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

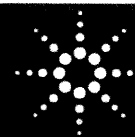
www.agilent.com/quality/

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.

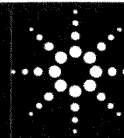
P11508

↓
P11512

AJ

2/21/22

ISO 17034



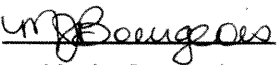
Agilent

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.

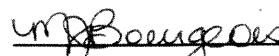
Expiration of Certification:

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)

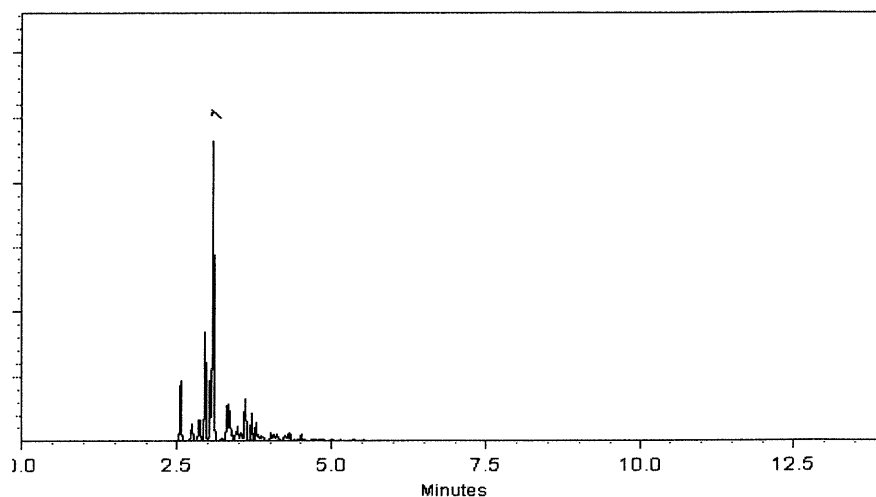
Carrier Gas:
helium-constant pressure 20 psi.

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)

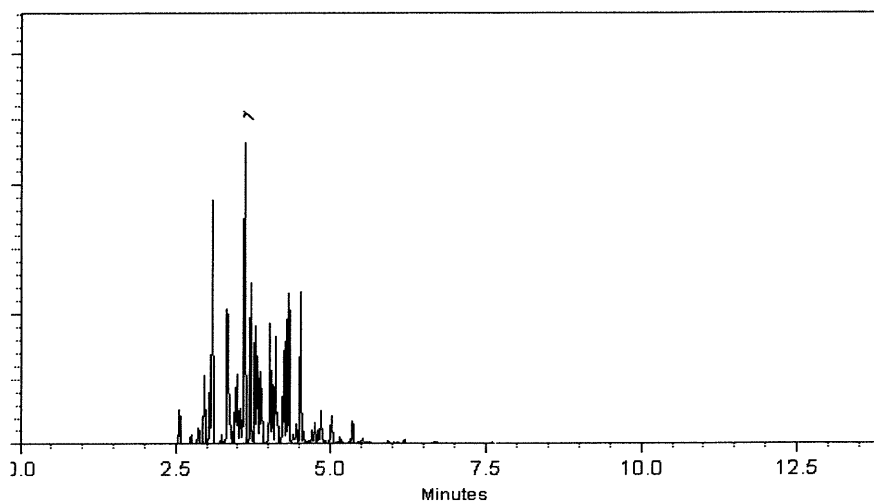
Carrier Gas:
helium-constant pressure 20 psi.

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

AR
04/30/22



CERTIFIED REFERENCE MATERIAL

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Tel: (800)356-1688
Fax: (814)353-1309

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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	1,000.7 µg/mL	+/- 5.9437 µg/mL Gravimetric
	CAS # 11097-69-1 (Lot 124-191-B)		+/- 31.7284 µg/mL Unstressed
	Purity ----%		+/- 41.4406 µg/mL Stressed

Solvent: Hexane

CAS # 110-54-3

Purity 99%

P11588
↓
P11592 / (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:

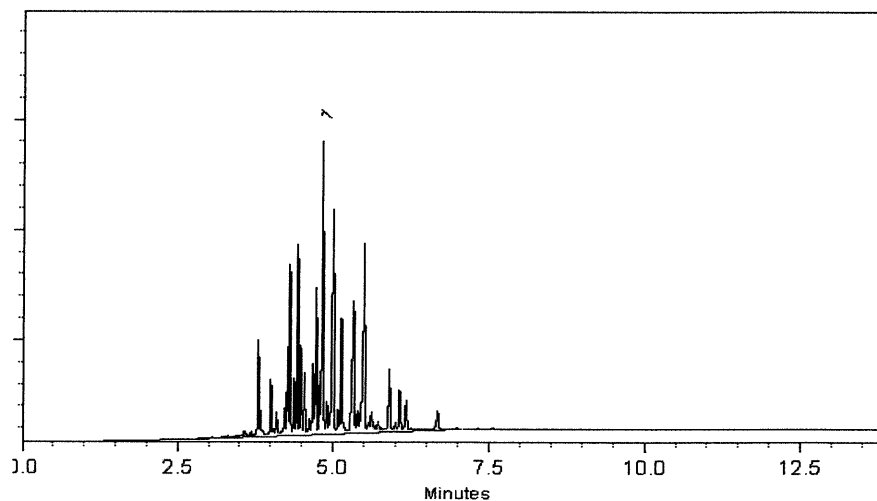
250°C

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

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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:

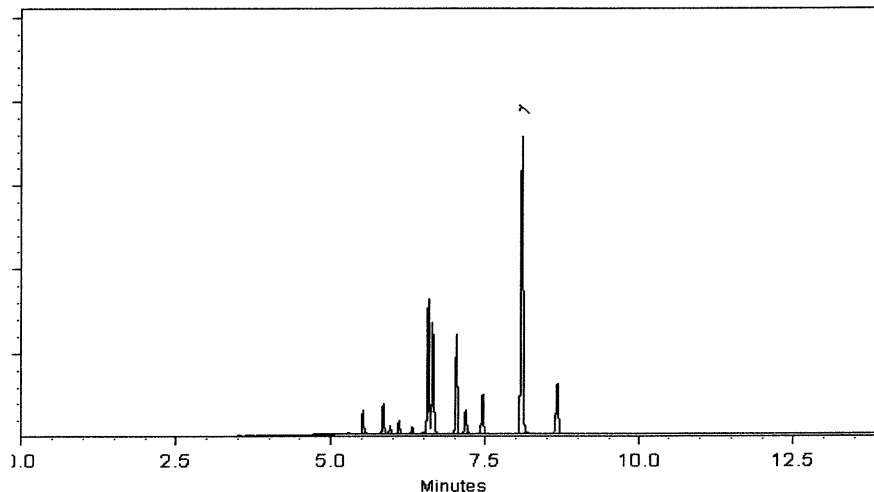
250°C

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 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

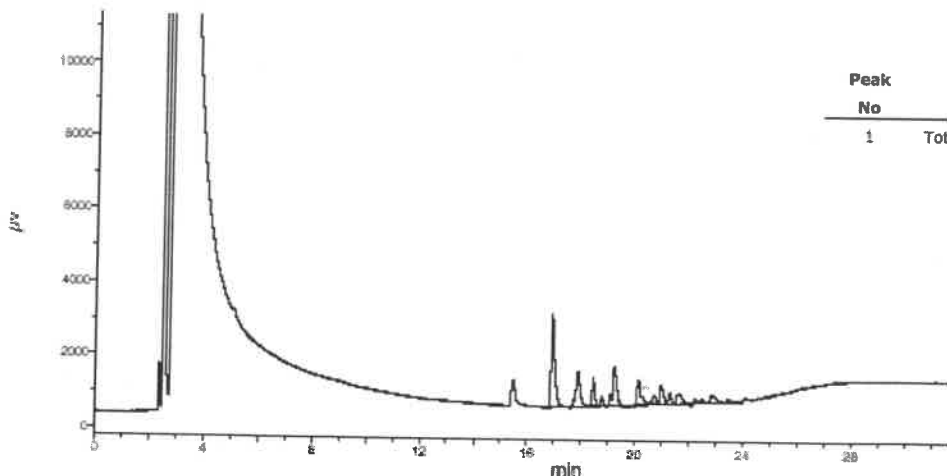
Weight(s) shown below were combined and diluted to (mL): **100.0**
 5E-05 Balance Uncertainty
 0.057 Flask Uncertainty

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





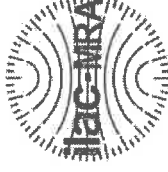
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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:

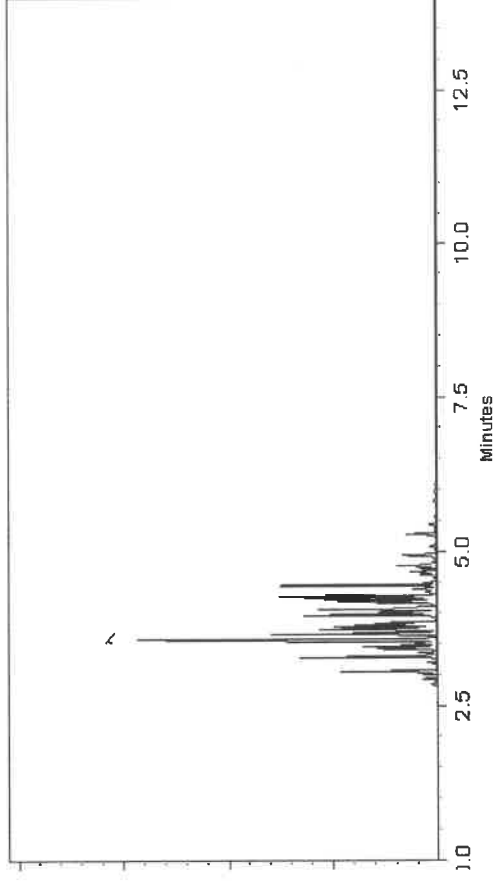
ECD

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



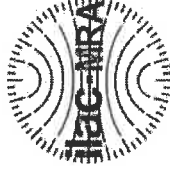
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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

P1219697
P1219697
A1
12104123

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1248	12672-29-6	13897600	---%	1,001.7 µg/mL	+/- 55.5850

Solvent: Hexane

CAS # 110-54-3

Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

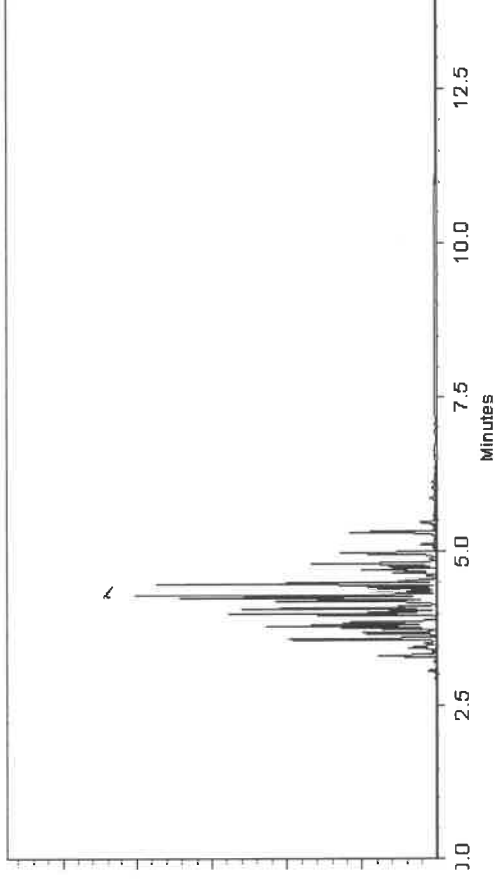
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2ul



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

[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:
022033

Expanded
Uncertainty
(+/-) (µg/mL)

4.0

Recommended Storage:
Ambient (20 °C)

Actual
Uncertainty
(+/-) (µg/mL)

4.0

Nominal Concentration (µg/mL):
1000

CAS#

12674-11-2

NIST Test ID#:
6UTB

OSHA PEL (TWA)

0.5mg/m3

Weight(s) shown below were combined and diluted to (mL.):
200.0

LD50

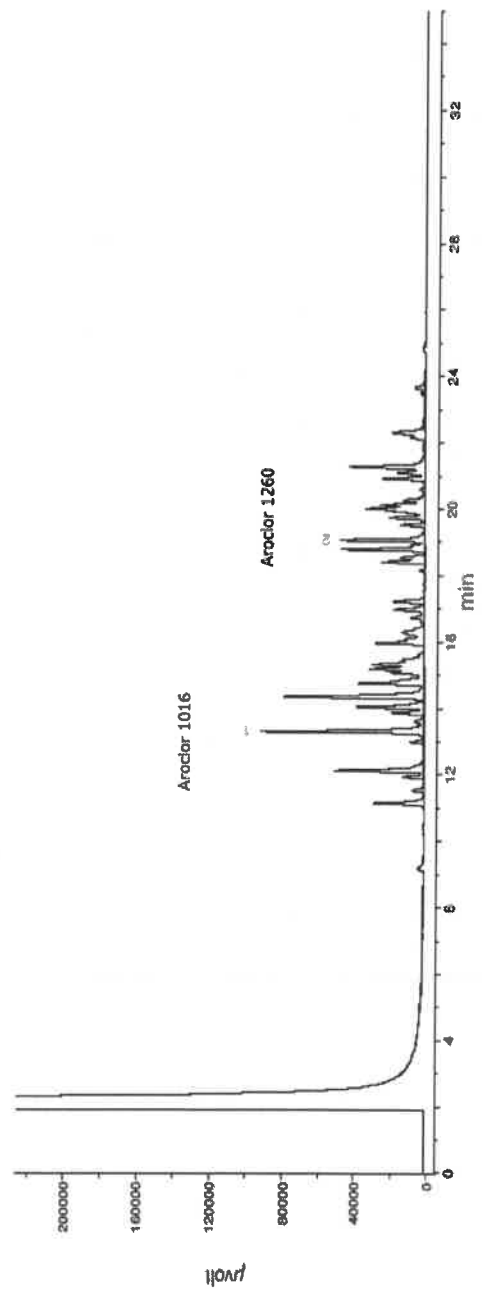
N/A

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)	(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11086-82-5	0.5mg/m3	orl-rat 1315mg/kg

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stortier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 280°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C, FID Signal = Etdaq Channel 1
Standard Injection = 1.5µL, Range=3





Certified Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number:
20064

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:
022033

Expanded
Uncertainty
(+/-) (µg/mL)

4.0

Recommended Storage:
Ambient (20 °C)

Actual
Uncertainty
(+/-) (µg/mL)

4.0

Nominal Concentration (µg/mL):
1000

CAS#

12674-11-2

NIST Test ID#:
6UTB

OSHA PEL (TWA)

0.5mg/m3

Weight(s) shown below were combined and diluted to (mL.):
200.0

LD50

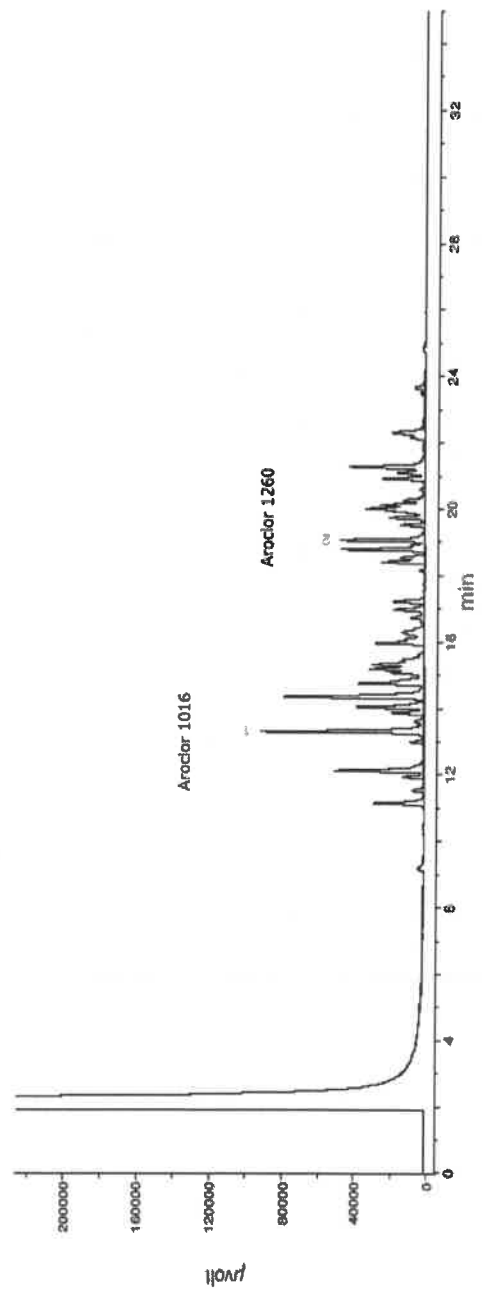
N/A

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)	(Solvent Safety Info. On Attached pg.)	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:
Lot Number:
Description:

99139
121823
Aroclor 1254

Solvent(s):
Iso-octane

Lot#
82227

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

121833
Ambient (20 °C)
100
6UTB

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

5E-05 Balance Uncertainty
0.003 Flask Uncertainty

20.0 Dilution Factor

Part Number Lot Number

79100 121823

Initial Volume (mL)

2.00 Initial Uncertainty

1003.3 Initial Concentration (µg/mL)

100.1 Final Concentration (µg/mL)

1.8 Expanded Uncertainty (+/-) (µg/mL)

11097-69-1 CAS#

0.5mg/m3 (skin) orl-rat 1295mg/kg

OSHA PEL (TWA) LD50

Formulated By: Anthony Mahoney

121823 DATE

Reviewed By: Pedro L. Rentas

121823 DATE

SDS Information

(Solvent Safety Info. On Attached pg.)

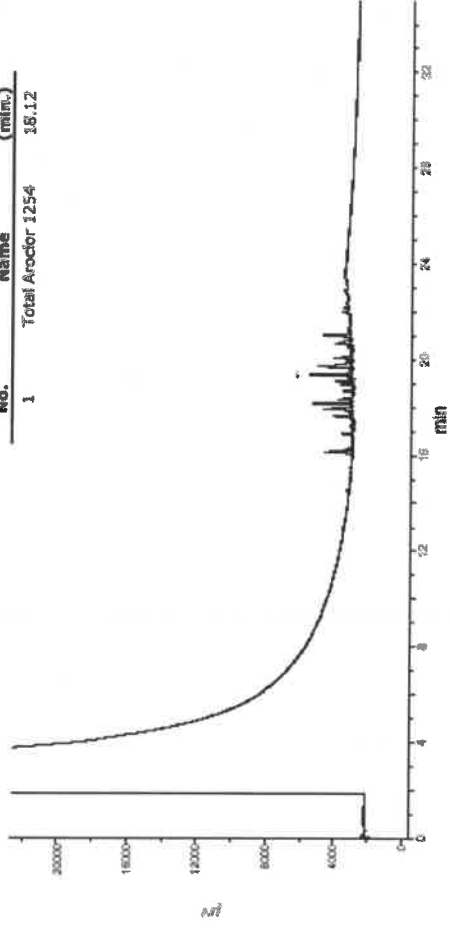
1. Aroclor 1254

- 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 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 = 250 °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

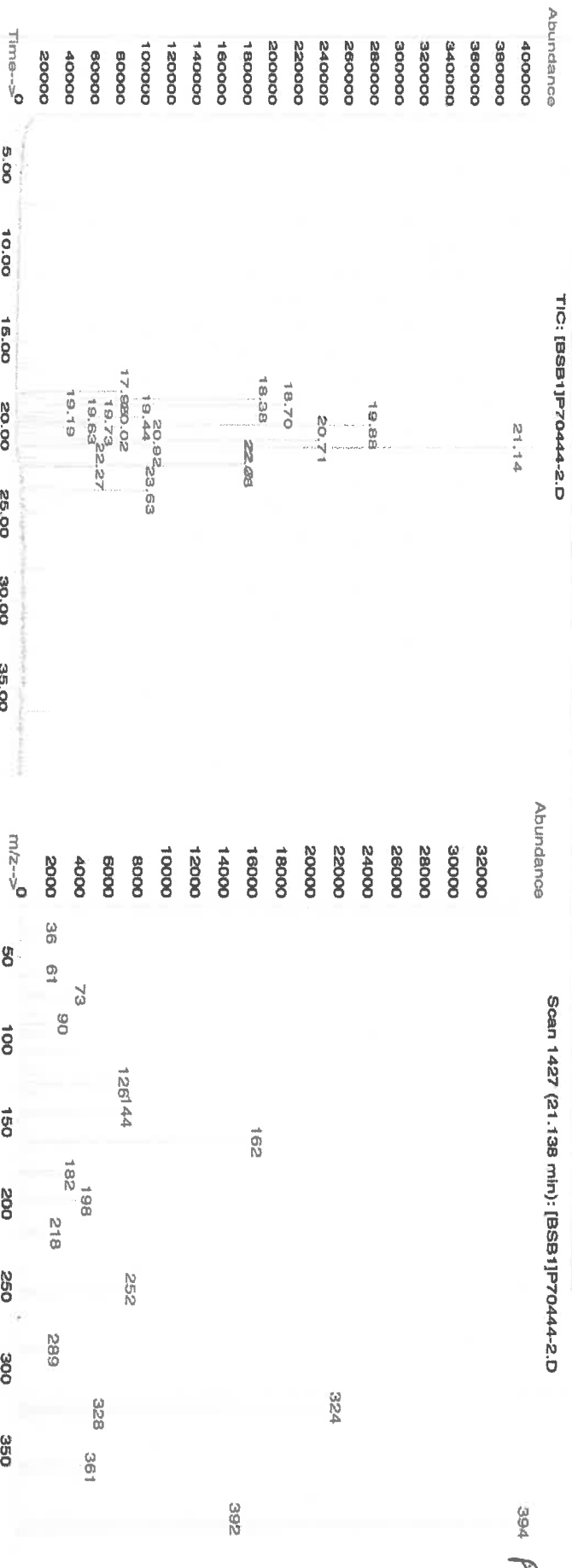
SE-05 Balance Uncertainty
0.005 Flask Uncertainty

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
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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.



- 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).

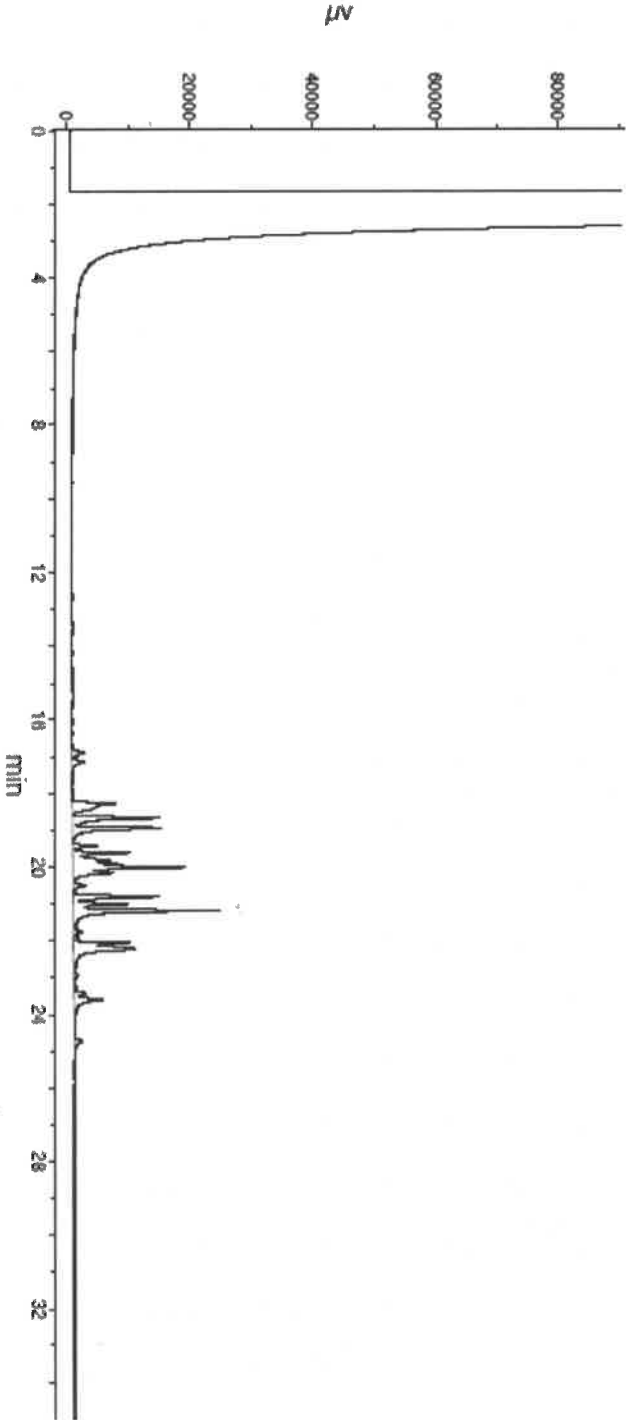


Run 20, "P90165 L112322 [1000µg/mL in hexane]"

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
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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:

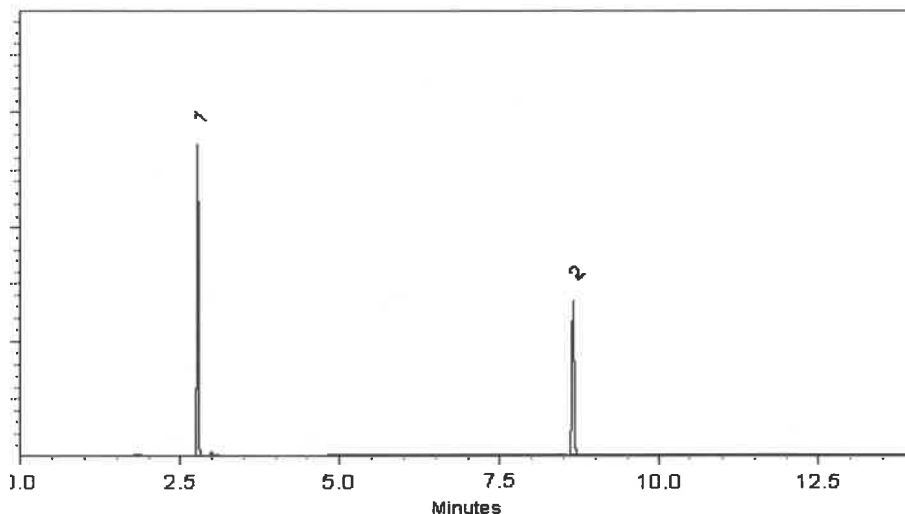
ECD

Split Vent:

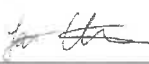
10 ml/min.

Inj. Vol

1µl

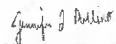


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

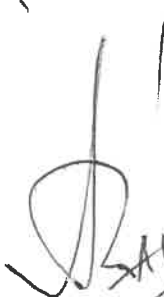
Balance Serial # 1128360905


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

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P 13357
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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
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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:

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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:

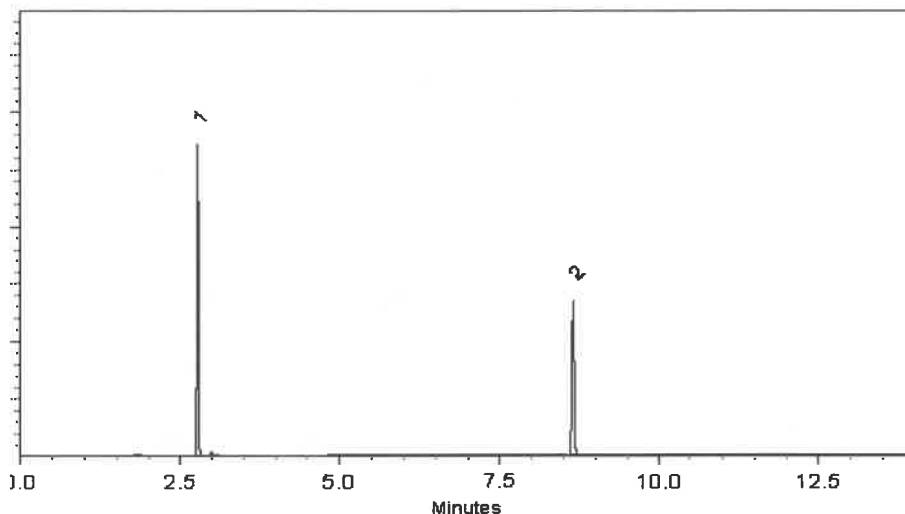
ECD

Split Vent:

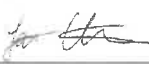
10 ml/min.

Inj. Vol

1µl

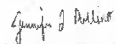


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

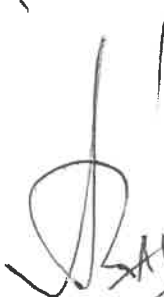
Balance Serial # 1128360905


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

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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.

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P13343

Page: 1 of 2

CSD-QA-015.2

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

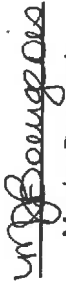
ISO 17025
Cert No. AT-1937



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

CHEMTECH

CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. **P4397**
QUOTE NO.
COC Number **2042048**

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: **Gannet Fleming**
ADDRESS: **1010 Adam Avenue**
CITY: **Audobon** STATE: **PA** ZIP: **19403**
ATTENTION: **Joe Krupansky**
PHONE: **610-301-8362** FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **Amtrak's replacement of SB**
PROJECT NO.: **950000818** LOCATION: **Kearny, NJ**
PROJECT MANAGER: **Joe Krupansky**
e-mail: **Q7AQC@bomsystems.com**
PHONE: **610-301-8362** FAX:

CLIENT BILLING INFORMATION

BILL TO: **Chemtech** PO#: **284 Sheffield St.**
ADDRESS: **284 Sheffield St.**
CITY: **Mountainside** STATE: **NJ** ZIP: **07092**
ATTENTION: **Samantha** PHONE: **908-788-3198**

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

10x VOC+10
10x PAH
10x PCB
10x Metals
10x Cationic
10x EPA

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		A	B	C	D	E	F	G	H	I	
1.	NB-301-70P	S	X		10/10	10:00	10	X	X	X	X	X	X				
2.	NB-301-BOT	S	X		10/10	12:15	10	X	X	X	X	X	X				
3.	NB-301-SW	GW	X		10/10	11:00	7	X	X	X	X	X					
4.	7B-10102024	W			10/10	LAB	2	X									
5.	Temp. Blank																
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. Meta Mursula	DATE/TIME: 3:05 PM 10/11/24	RECEIVED BY: 1. [Signature]	DATE/TIME: 10-11-24	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.5 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	DATE/TIME:	Comments:
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 10-11-24	RECEIVED BY: 3. [Signature]	DATE/TIME:	Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling
Shipment Complete ☐ YES ☐ NO



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

Laboratory Certification

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