

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

LAB CHRONICLE

OrderID:	P4888	OrderDate:	11/15/2024 12:51:00 PM
Client:	BSI America Professional Services Inc.	Project:	PS 154 @ K154
Contact:	Alex Arrigo	Location:	M11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4888-01	01A-01B-01C	CAULK	PCB Group1	8082A	11/18/24	11/19/24	11/19/24	11/15/24
P4888-02	02A-02B-02C	CAULK	PCB Group1	8082A	11/18/24	11/19/24	11/19/24	11/15/24



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

Hit Summary Sheet
SW-846

SDG No.: P4888

Order ID: P4888

Client: BSI America Professional Services Inc.

Project ID: PS 154 @ K154

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.: **P4888**

Client: **BSI America Professional Services Inc.**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP068360.D	PIBLK-PP068360.D	Tetrachloro-m-xylene	1	20	21.0	105		60	140
		Decachlorobiphenyl	1	20	23.4	117		60	140
		Tetrachloro-m-xylene	2	20	21.6	108		60	140
		Decachlorobiphenyl	2	20	23.6	118		60	140
I.BLK-PP068606.D	PIBLK-PP068606.D	Tetrachloro-m-xylene	1	20	21.5	107		60	140
		Decachlorobiphenyl	1	20	22.1	111		60	140
		Tetrachloro-m-xylene	2	20	22.0	110		60	140
		Decachlorobiphenyl	2	20	22.2	111		60	140
PB165084BL	PB165084BL	Tetrachloro-m-xylene	1	20	20.5	102		32	144
		Decachlorobiphenyl	1	20	20.7	104		32	175
		Tetrachloro-m-xylene	2	20	20.2	101		32	144
		Decachlorobiphenyl	2	20	21.0	105		32	175
PB165084BS	PB165084BS	Tetrachloro-m-xylene	1	20	20.3	102		32	144
		Decachlorobiphenyl	1	20	20.5	102		32	175
		Tetrachloro-m-xylene	2	20	20.5	103		32	144
		Decachlorobiphenyl	2	20	20.9	104		32	175
P4888-01	01A-01B-01C	Tetrachloro-m-xylene	1	20	20.9	105		32	144
		Decachlorobiphenyl	1	20	22.2	111		32	175
		Tetrachloro-m-xylene	2	20	22.4	112		32	144
		Decachlorobiphenyl	2	20	22.0	110		32	175
P4888-02	02A-02B-02C	Tetrachloro-m-xylene	1	20	20.9	104		32	144
		Decachlorobiphenyl	1	20	21.6	108		32	175
		Tetrachloro-m-xylene	2	20	21.4	107		32	144
		Decachlorobiphenyl	2	20	21.6	108		32	175
I.BLK-PP068615.D	PIBLK-PP068615.D	Tetrachloro-m-xylene	1	20	20.9	105		60	140
		Decachlorobiphenyl	1	20	22.4	112		60	140
		Tetrachloro-m-xylene	2	20	21.9	110		60	140
		Decachlorobiphenyl	2	20	22.6	113		60	140



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4888

Client: BSI America Professional Services Inc.

Analytical Method: **8082A** **Datafile :** PP068610.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB165084BS	AR1016	166.5	150	ug/kg	90				71	120	
	AR1260	166.5	132	ug/kg	79				65	130	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165084BL

Lab Name: CHEMTECH

Contract: BSIG01

Lab Code: CHEM Case No.: P4888

SAS No.: P4888 SDG NO.: P4888

Lab Sample ID: PB165084BL

Lab File ID: PP068609.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/19/2024

Date Analyzed (1): 11/19/2024

Date Analyzed (2): 11/19/2024

Time Analyzed (1): 13:44

Time Analyzed (2): 13:44

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
PB165084BS	PB165084BS	PP068610.D	11/19/2024	11/19/2024
01A-01B-01C	P4888-01	PP068611.D	11/19/2024	11/19/2024
02A-02B-02C	P4888-02	PP068612.D	11/19/2024	11/19/2024

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	BSI America Professional Services Inc.		Date Collected:	11/18/24	
Project:	PS 154 @ K154		Date Received:	11/15/24	
Client Sample ID:	01A-01B-01C		SDG No.:	P4888	
Lab Sample ID:	P4888-01		Matrix:	CAULK	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	1.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068611.D	1	11/19/24 08:52	11/19/24 14:17	PB165084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.096	U	0.096	0.48	mg/Kg
11104-28-2	Aroclor-1221	0.18	U	0.18	0.48	mg/Kg
11141-16-5	Aroclor-1232	0.096	U	0.096	0.48	mg/Kg
53469-21-9	Aroclor-1242	0.096	U	0.096	0.48	mg/Kg
12672-29-6	Aroclor-1248	0.22	U	0.22	0.48	mg/Kg
11097-69-1	Aroclor-1254	0.077	U	0.077	0.48	mg/Kg
37324-23-5	Aroclor-1262	0.13	U	0.13	0.48	mg/Kg
11100-14-4	Aroclor-1268	0.097	U	0.097	0.48	mg/Kg
11096-82-5	Aroclor-1260	0.082	U	0.082	0.48	mg/Kg
Total PCBs	Total PCBs	0.22	U	0.22	0.48	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.4		32 - 144	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		32 - 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\PP111924\
 Data File : PP068611.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Nov 2024 14:17
 Operator : YP\AJ
 Sample : P4888-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 01A-01B-01C

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 20 03:55:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 11:04:08 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.759	4.050	20330075	21733040	20.946	22.445
2) SA Decachlor...	10.675	9.207	27747310	24914502	22.172	22.025

Target Compounds

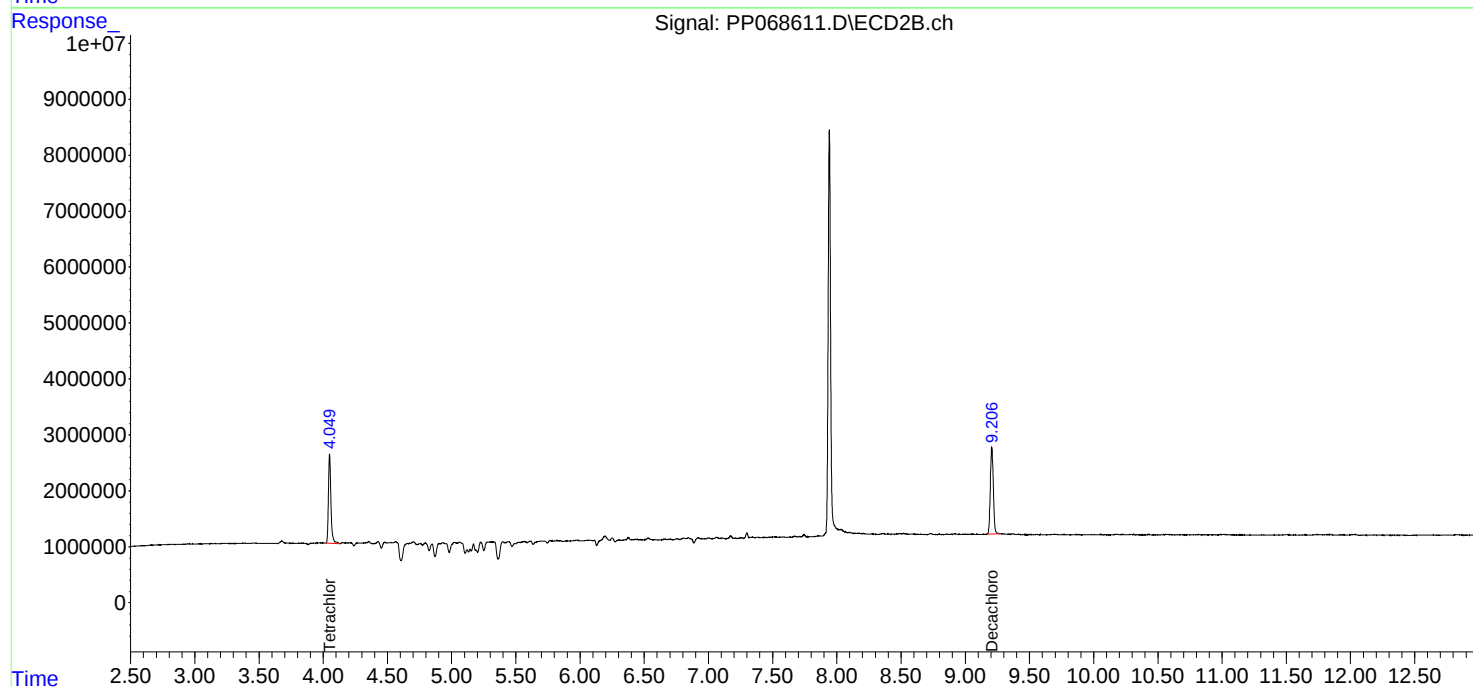
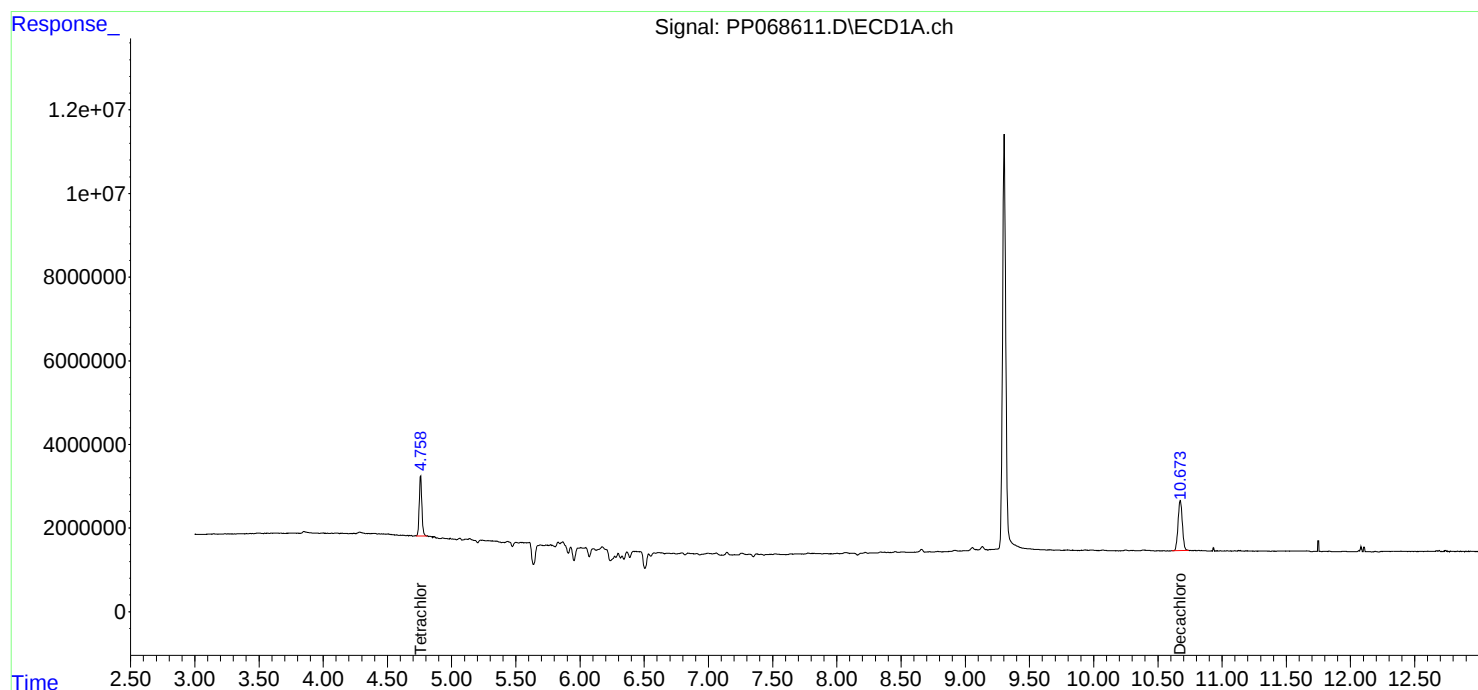
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

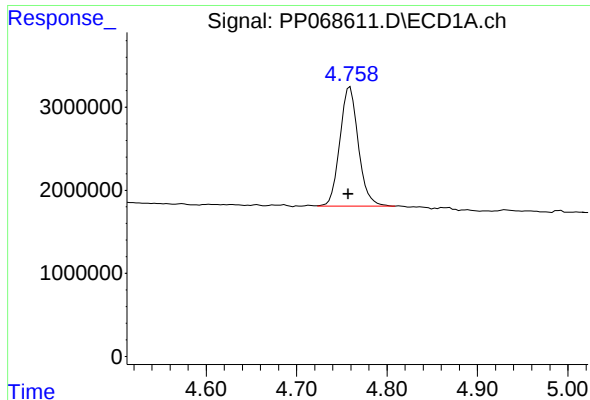
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP111924\
Data File : PP068611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 14:17
Operator : YP\AJ
Sample : P4888-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
01A-01B-01C

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 03:55:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 11:04:08 2024
Response via : 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

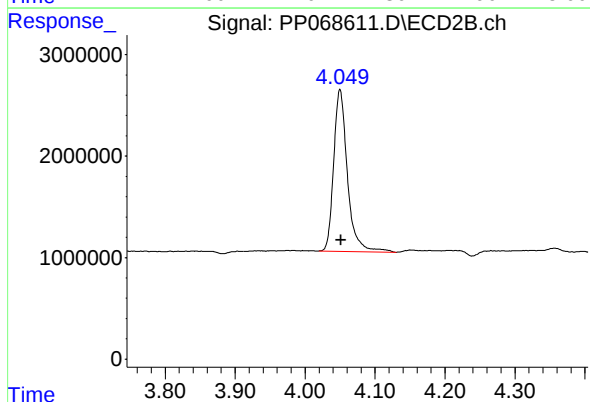




#1 Tetrachloro-m-xylene

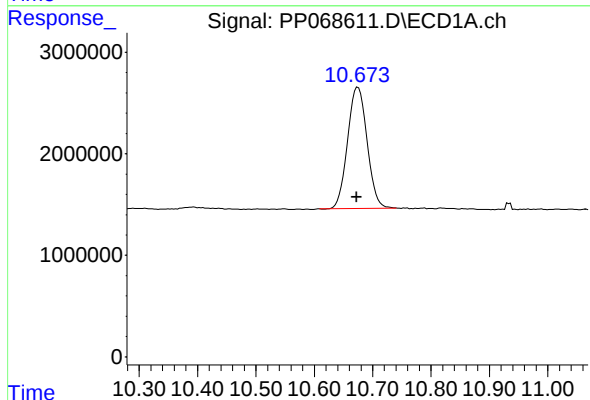
R.T.: 4.759 min
Delta R.T.: 0.002 min
Response: 20330075
Conc: 20.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
01A-01B-01C



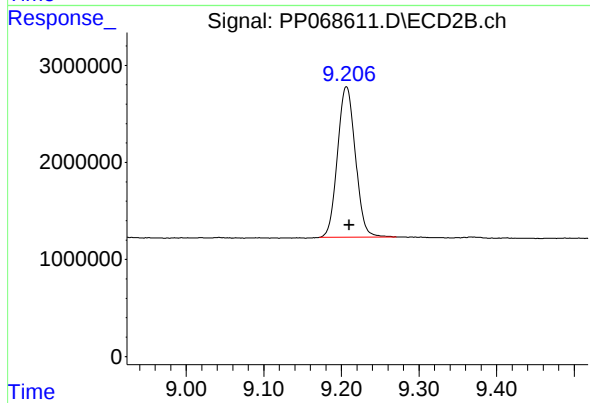
#1 Tetrachloro-m-xylene

R.T.: 4.050 min
Delta R.T.: -0.001 min
Response: 21733040
Conc: 22.44 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.675 min
Delta R.T.: 0.003 min
Response: 27747310
Conc: 22.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.207 min
Delta R.T.: -0.003 min
Response: 24914502
Conc: 22.03 ng/ml

Report of Analysis

Client:	BSI America Professional Services Inc.		Date Collected:	11/18/24	
Project:	PS 154 @ K154		Date Received:	11/15/24	
Client Sample ID:	02A-02B-02C		SDG No.:	P4888	
Lab Sample ID:	P4888-02		Matrix:	CAULK	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	2.04	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068612.D	1	11/19/24 08:52	11/19/24 14:33	PB165084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.050	U	0.050	0.25	mg/Kg
11104-28-2	Aroclor-1221	0.094	U	0.094	0.25	mg/Kg
11141-16-5	Aroclor-1232	0.050	U	0.050	0.25	mg/Kg
53469-21-9	Aroclor-1242	0.050	U	0.050	0.25	mg/Kg
12672-29-6	Aroclor-1248	0.12	U	0.12	0.25	mg/Kg
11097-69-1	Aroclor-1254	0.040	U	0.040	0.25	mg/Kg
37324-23-5	Aroclor-1262	0.067	U	0.067	0.25	mg/Kg
11100-14-4	Aroclor-1268	0.050	U	0.050	0.25	mg/Kg
11096-82-5	Aroclor-1260	0.043	U	0.043	0.25	mg/Kg
Total PCBs	Total PCBs	0.12	U	0.12	0.25	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		32 - 144	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		32 - 175	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\PP111924\
 Data File : PP068612.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Nov 2024 14:33
 Operator : YP\AJ
 Sample : P4888-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 02A-02B-02C

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 20 03:55:47 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 11:04:08 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.759	4.050	20285746	20754048	20.900	21.434
2) SA Decachlor...	10.674	9.206	27074223	24431061	21.634	21.598

Target Compounds

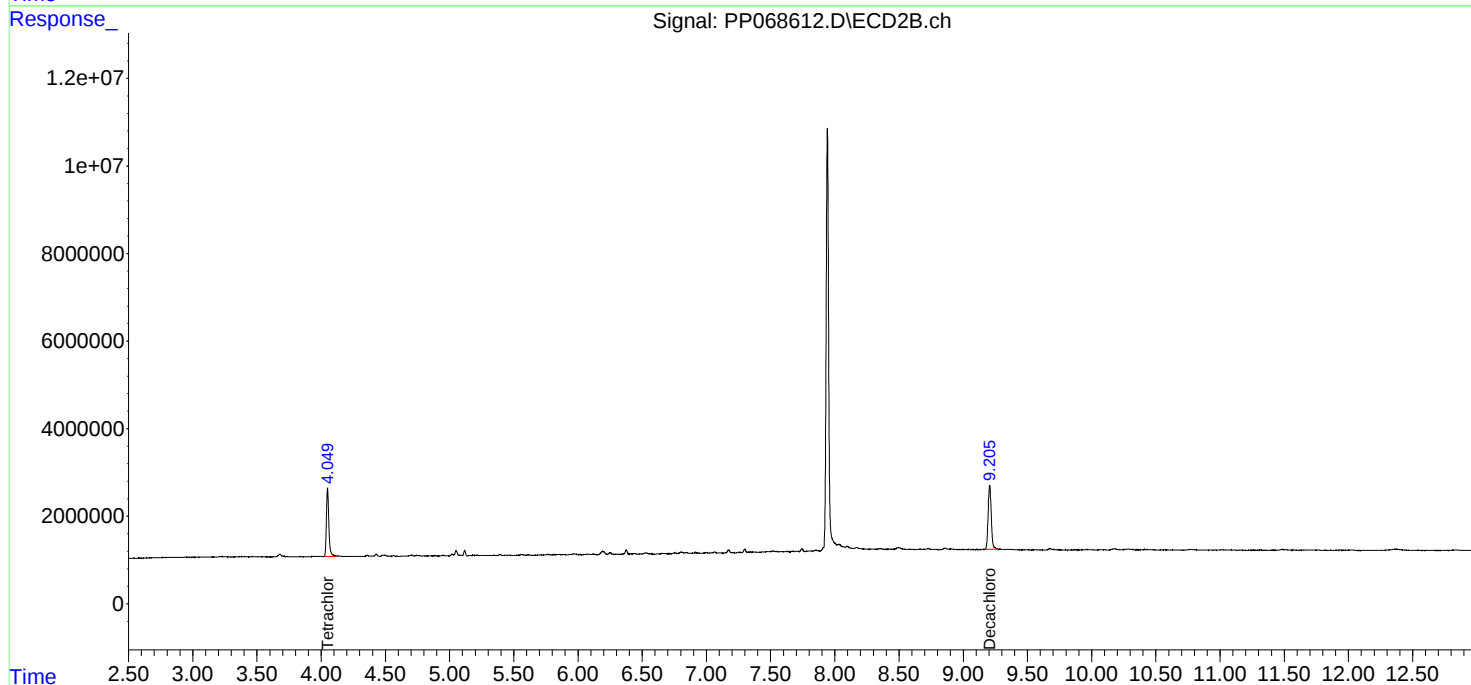
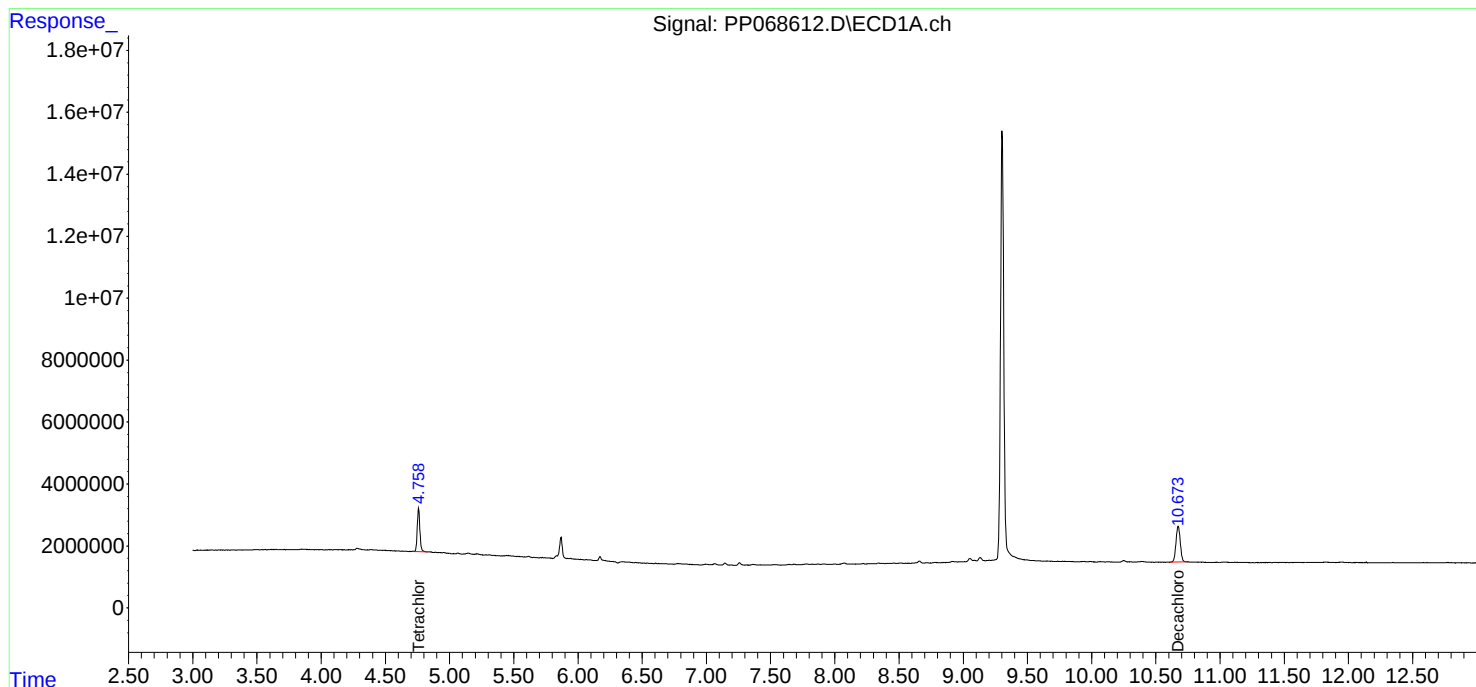
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

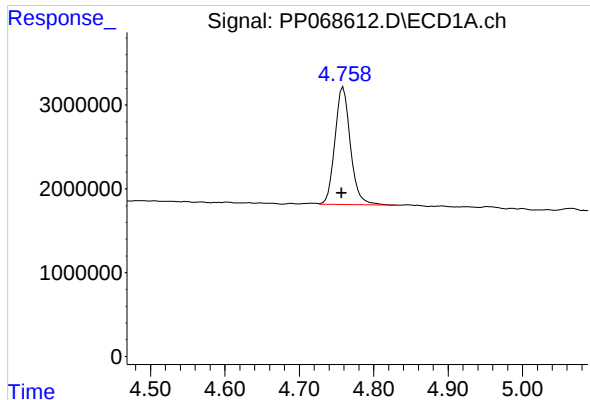
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP111924\
Data File : PP068612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 14:33
Operator : YP\AJ
Sample : P4888-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
02A-02B-02C

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 03:55:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 11:04:08 2024
Response via : 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

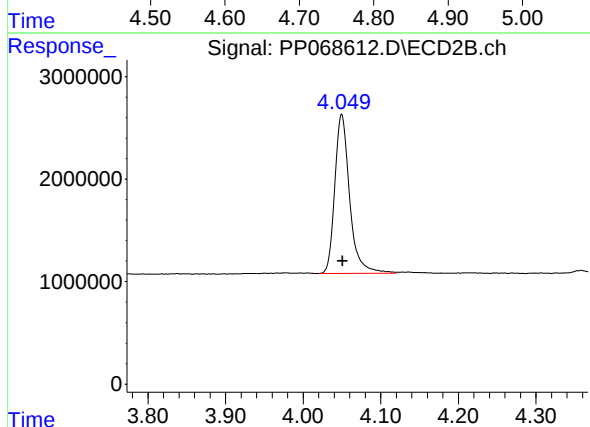




#1 Tetrachloro-m-xylene

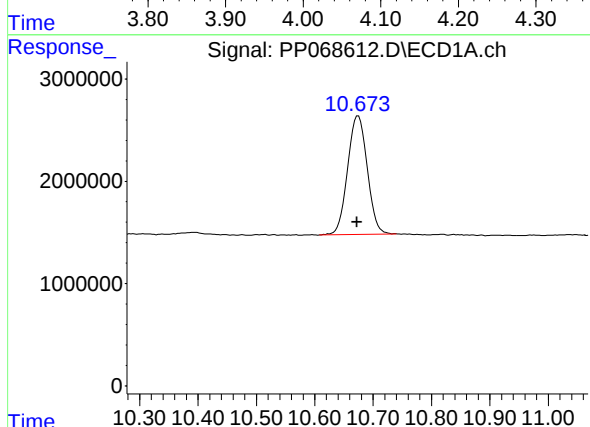
R.T.: 4.759 min
Delta R.T.: 0.002 min
Response: 20285746
Conc: 20.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
02A-02B-02C



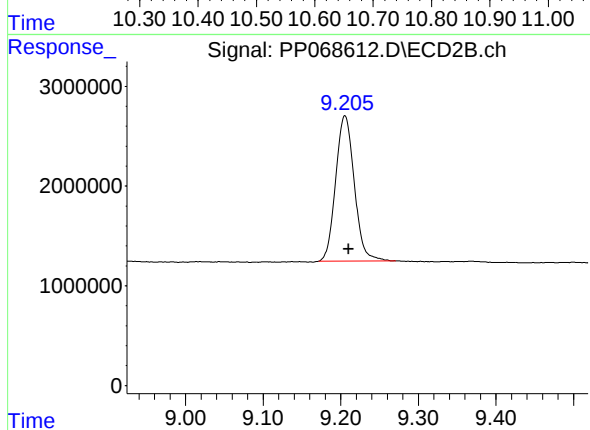
#1 Tetrachloro-m-xylene

R.T.: 4.050 min
Delta R.T.: -0.001 min
Response: 20754048
Conc: 21.43 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.674 min
Delta R.T.: 0.002 min
Response: 27074223
Conc: 21.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.206 min
Delta R.T.: -0.004 min
Response: 24431061
Conc: 21.60 ng/ml



CALIBRATION SUMMARY

[illegible]



Contract:	<u>BSIG01</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>P4888</u>	SAS No.:	<u>P4888</u>	SDG NO.:	<u>P4888</u>
Instrument ID:	<u>ECD_P</u>	Calibration Date(s):		<u>11/08/2024</u>	<u>11/08/2024</u>		
		Calibration Times:		<u>02:45</u>	<u>10:39</u>		

LAB FILE ID:	RT 1000 =	<u>PP068361.D</u>	RT 750 =	<u>PP068362.D</u>
	RT 500 =	<u>PP068363.D</u>	RT 250 =	<u>PP068364.D</u>
			RT 050 =	<u>PP068365.D</u>

[illegible]

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: BSIG01

Lab Code: CHEM **Case No.:** P4888 **SAS No.:** P4888 **SDG NO.:** P4888

Instrument ID: ECD_P **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 02:45 10:39

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

LAB FILE ID:								
CF 1000 =		PP068361.D		CF 750 =		PP068362.D		
CF 500 =		PP068363.D		CF 250 =		PP068364.D		
CF 050 =		PP068365.D						
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	32722878	32987127	36694544	38565352	38710580	35936096	8
Aroclor-1016-2	(2)	49685960	49794715	54179380	56028812	55062580	52950289	6
Aroclor-1016-3	(3)	31039806	31308951	31477564	35261268	36454940	33108506	8
Aroclor-1016-4	(4)	25063539	25553636	26008648	27599052	27185460	26282067	4
Aroclor-1016-5	(5)	26884732	25863024	29532330	29666960	29092940	28207997	6
Aroclor-1260-1	(1)	49214333	49857676	55068012	59485260	56895620	54104180	8
Aroclor-1260-2	(2)	58512720	58794644	61905312	70175200	68666580	63610891	9
Aroclor-1260-3	(3)	49867434	49696453	52919146	61783152	54693800	53791997	9
Aroclor-1260-4	(4)	58030307	58392116	61219352	66884816	66613400	62227998	7
Aroclor-1260-5	(5)	110582405	105927285	110379288	122419072	116614180	113184446	6
Decachlorobiphenyl		1148744080	1179137973	1231906520	1372184000	1325426000	1251479715	8
Tetrachloro-m-xylene		976730760	989539880	977459580	1014058520	895270000	970611748	5
Aroclor-1242-1	(1)	27983462	28943796	29856910	31981108	30602220	29873499	5
Aroclor-1242-2	(2)	42123278	43550552	43993198	46167728	44675600	44102071	3
Aroclor-1242-3	(3)	26373595	27535909	27652176	30639224	27091300	27858441	6
Aroclor-1242-4	(4)	21517643	22331261	22041924	22696804	20812240	21879974	3
Aroclor-1242-5	(5)	23574356	24961212	24214552	25605828	23046100	24280410	4
Decachlorobiphenyl		1136957280	1191065427	1253556200	1358666560	1321692600	1252387613	7
Tetrachloro-m-xylene		992458220	982684227	997132340	1047919280	945647800	993168373	4
Aroclor-1248-1	(1)	21167087	22295227	23730874	24762524	20866540	22564450	7
Aroclor-1248-2	(2)	31519452	32630243	34719948	35861524	33321940	33610621	5
Aroclor-1248-3	(3)	34960996	35667725	37475430	40578268	33895940	36515672	7
Aroclor-1248-4	(4)	40590754	42179399	43079186	47529360	40549640	42785668	7
Aroclor-1248-5	(5)	41079234	41993397	42275646	47274032	35073820	41539226	10
Decachlorobiphenyl		1161914410	1206078453	1287629180	1388690560	1317466800	1272355881	7
Tetrachloro-m-xylene		965301010	976063867	1045296820	1022231200	905772600	982933099	6
Aroclor-1254-1	(1)	45656926	46370784	48591708	55398616	63414000	51886407	14
Aroclor-1254-2	(2)	61419018	62089981	65367616	73235084	79075760	68237492	11
Aroclor-1254-3	(3)	65006662	66406433	68483584	76667348	80726040	71458013	10
Aroclor-1254-4	(4)	47495422	48750441	50445040	59112016	63268560	53814296	13
Aroclor-1254-5	(5)	57629379	58072741	61204598	69375440	67051440	62666720	8
Decachlorobiphenyl		1183925920	1211314307	1284210900	1390837600	1376990800	1289455905	7
Tetrachloro-m-xylene		989066910	975183547	996076320	1021088560	988613200	994005707	2
Aroclor-1268-1	(1)	148554696	149057943	156954174	165835368	151067220	154293880	5

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	135127060	135811816	143719574	151054592	134221840	139986976	5
Aroclor-1268-3	(3)	121067798	121993447	126378426	137822256	120978560	125648097	6
Aroclor-1268-4	(4)	55813556	54500479	57743018	60592344	38533680	53436615	16
Aroclor-1268-5	(5)	385860144	385976919	400737274	424727304	387529100	396966148	4
Decachlorobiphenyl		1949212650	1956251560	2086617000	2251184600	2062984000	2061249962	6
Tetrachloro-m-xylene		999802000	981646360	1047559160	988642360	831404200	969810816	8

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: BSIG01

Lab Code: CHEM **Case No.:** P4888 **SAS No.:** P4888 **SDG NO.:** P4888

Instrument ID: ECD_P **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 02:45 10:39

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

LAB FILE ID:		CF 1000 = <u>PP068361.D</u>		CF 750 = <u>PP068362.D</u>			
CF 500 = <u>PP068363.D</u>		CF 250 = <u>PP068364.D</u>		CF 050 = <u>PP068365.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	28675269	31688729	32908702	36316968	35645980	33047130
Aroclor-1016-2	(2)	45372737	44532471	46481004	50131748	47195120	46742616
Aroclor-1016-3	(3)	25581263	25572389	25828308	29036828	29182360	27040230
Aroclor-1016-4	(4)	22022727	22558800	23000164	24742976	25650260	23594985
Aroclor-1016-5	(5)	28396741	28558155	29494206	33716108	28045580	29642158
Aroclor-1260-1	(1)	50792238	51496668	53738098	60629720	61588060	55648957
Aroclor-1260-2	(2)	59992941	60241951	64329398	71848292	74766160	66235748
Aroclor-1260-3	(3)	57127224	57366085	59805332	69966764	65191800	61891441
Aroclor-1260-4	(4)	50380547	50692913	52887170	57961512	51762800	52736988
Aroclor-1260-5	(5)	115281087	113974237	117997240	127736412	120391040	119076003
Decachlorobiphenyl		1067011790	1067726547	1123064240	1231914520	1166184600	1131180339
Tetrachloro-m-xylene		972289500	961505133	979740920	1035015200	892893600	968288871
Aroclor-1242-1	(1)	26036404	26596448	27385734	29619468	29310780	27789767
Aroclor-1242-2	(2)	36827504	37452539	38777442	41146472	38921400	38625071
Aroclor-1242-3	(3)	20664122	20558137	21869512	21695856	21612620	21280049
Aroclor-1242-4	(4)	21373603	21814177	23240642	23847296	23692700	22793684
Aroclor-1242-5	(5)	25609316	26872617	27207498	29810676	27756660	27451353
Decachlorobiphenyl		1071389140	1064856587	1152041260	1195523280	1288478000	1154457653
Tetrachloro-m-xylene		966238420	972029747	979866540	1033639640	930236800	976402229
Aroclor-1248-1	(1)	20444534	20222528	22256466	23287920	23025760	21847442
Aroclor-1248-2	(2)	29533815	29661357	32274092	34842920	33533080	31969053
Aroclor-1248-3	(3)	30992675	31236121	33896722	36614136	34801320	33508195
Aroclor-1248-4	(4)	36032257	36205659	39041408	42885656	39979000	38828796
Aroclor-1248-5	(5)	34550039	34918980	36548116	40687028	38637220	37068277
Decachlorobiphenyl		1075259530	1103159067	1175200200	1246394680	1231284200	1166259535
Tetrachloro-m-xylene		950224170	961311800	990959620	1038390440	915281600	971233526
Aroclor-1254-1	(1)	54665587	57402907	60611942	70904972	59624080	60641898
Aroclor-1254-2	(2)	47820782	49399019	52999540	61073956	52383280	52735315
Aroclor-1254-3	(3)	78076384	79594720	83715772	92115228	82804080	83261237
Aroclor-1254-4	(4)	45870471	47148891	49237464	53498856	47382280	48627592
Aroclor-1254-5	(5)	70292397	70911040	73701438	76415732	81847640	74633649
Decachlorobiphenyl		1101361650	1125516760	1206565780	1266510680	1278915800	1195774134
Tetrachloro-m-xylene		981660810	970989867	1008018320	1038763400	859285200	971743519
Aroclor-1268-1	(1)	151267885	153313264	156262812	163758576	154047820	155730071

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	137742491	139526981	142805908	148619888	139099220	141558898	3
Aroclor-1268-3	(3)	120301473	122381172	125911066	131464304	122515640	124514731	4
Aroclor-1268-4	(4)	53869021	55184383	57264704	57620508	49083040	54604331	6
Aroclor-1268-5	(5)	373667244	376833208	381941254	387550036	362884280	376575204	2
Decachlorobiphenyl		1822479100	1863575213	1915658760	2051852880	2001053000	1930923791	5
Tetrachloro-m-xylene		973469740	966812560	1002294360	1022455760	875332800	968073044	6

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: BSIG01

Lab Code: CHEM **Case No.:** P4888 **SAS No.:** P4888 **SDG NO.:** P4888

Instrument ID: ECD_P **Date(s) Analyzed:** 11/08/2024 11/08/2024

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	13562200
		2	5.05	4.95	5.15	10085600
		3	5.13	5.03	5.23	30259800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.12	5.02	5.22	23319600
		2	5.66	5.56	5.76	14954700
		3	5.94	5.84	6.04	25054000
		4	6.11	6.01	6.21	12378200
		5	6.19	6.09	6.29	9944800
Aroclor-1262	500	1	8.38	8.28	8.48	74132800
		2	8.71	8.61	8.81	128999000
		3	9.05	8.95	9.15	95681000
		4	9.15	9.05	9.25	76386800
		5	9.85	9.75	9.95	53482800

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: BSIG01

Lab Code: CHEM **Case No.:** P4888 **SAS No.:** P4888 **SDG NO.:** P4888

Instrument ID: ECD_P **Date(s) Analyzed:** 11/08/2024 11/08/2024

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	12610400
		2	4.35	4.25	4.45	9772940
		3	4.43	4.33	4.53	30490800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.43	4.33	4.53	23601600
		2	5.18	5.08	5.28	21785200
		3	5.36	5.26	5.46	11210600
		4	5.44	5.34	5.54	10956500
		5	5.62	5.52	5.72	12320000
Aroclor-1262	500	1	7.21	7.11	7.31	77596600
		2	7.48	7.38	7.58	70694600
		3	8.00	7.90	8.10	58847400
		4	8.06	7.96	8.16	103602000
		5	8.59	8.49	8.69	50691400

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068361.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 02:45
 Operator : YP\AJ
 Sample : AR1660ICC1000
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC1000

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 04:09:10 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 04:05:53 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.758	4.052	97673076	97228950	99.925	99.239
2) SA Decachlor...	10.673	9.212	114.9E6	106.7E6	93.249	95.009
Target Compounds						
3) L1 AR-1016-1	5.923	5.159	32722878	28675269	891.764	871.358m
4) L1 AR-1016-2	5.944	5.179	49685960	45372737	917.064	976.157m
5) L1 AR-1016-3	6.008	5.360	31039806	25581263	986.093	990.435
6) L1 AR-1016-4	6.106	5.399	25063539	22022727	963.662	957.503
7) L1 AR-1016-5	6.401	5.618	26884732	28396741	910.349	962.790
31) L7 AR-1260-1	7.524	6.661	49214333	50792238	893.701	945.181
32) L7 AR-1260-2	7.777	6.848	58512720	59992941	945.197	932.590
33) L7 AR-1260-3	8.138	7.005	49867434	57127224	942.333	955.220
34) L7 AR-1260-4	8.376	7.479	58030307	50380547	947.908	952.604
35) L7 AR-1260-5	8.715	7.718	110.6E6	115.3E6	1001.840	976.981

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068361.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 02:45
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

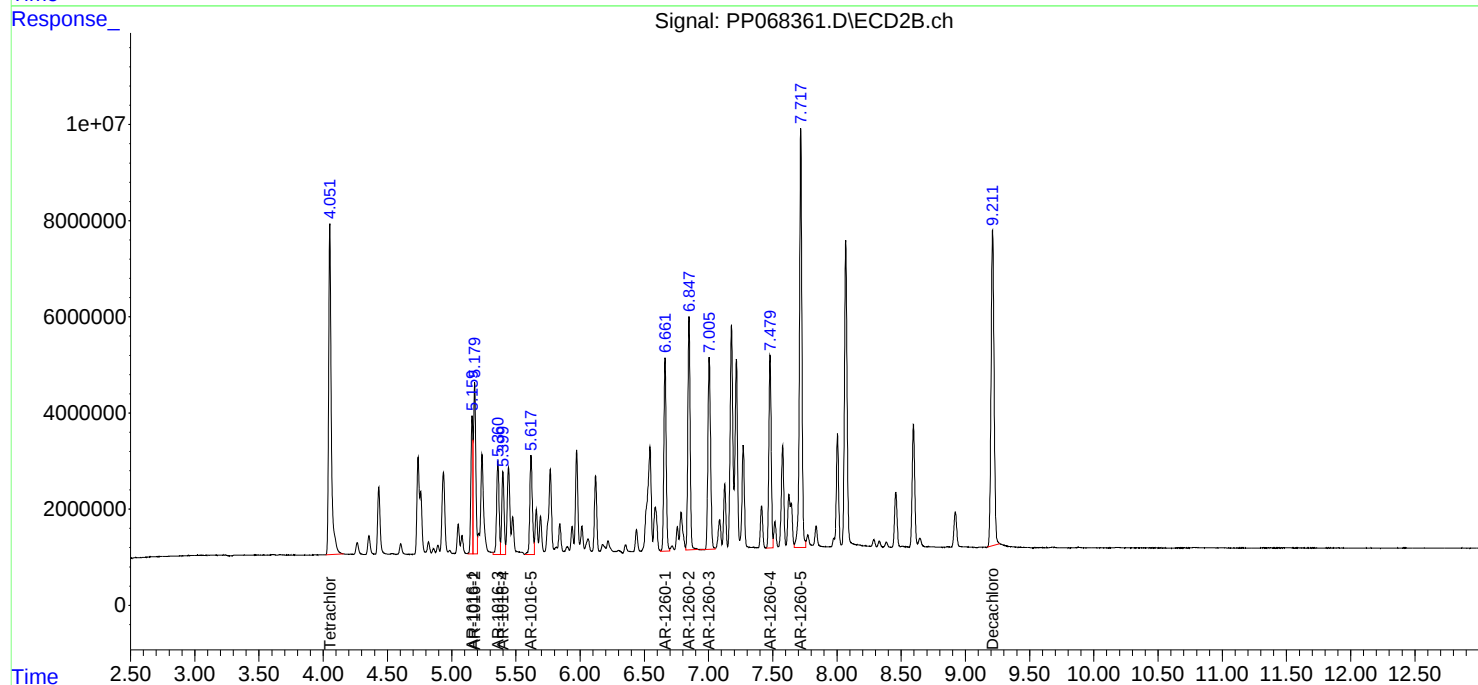
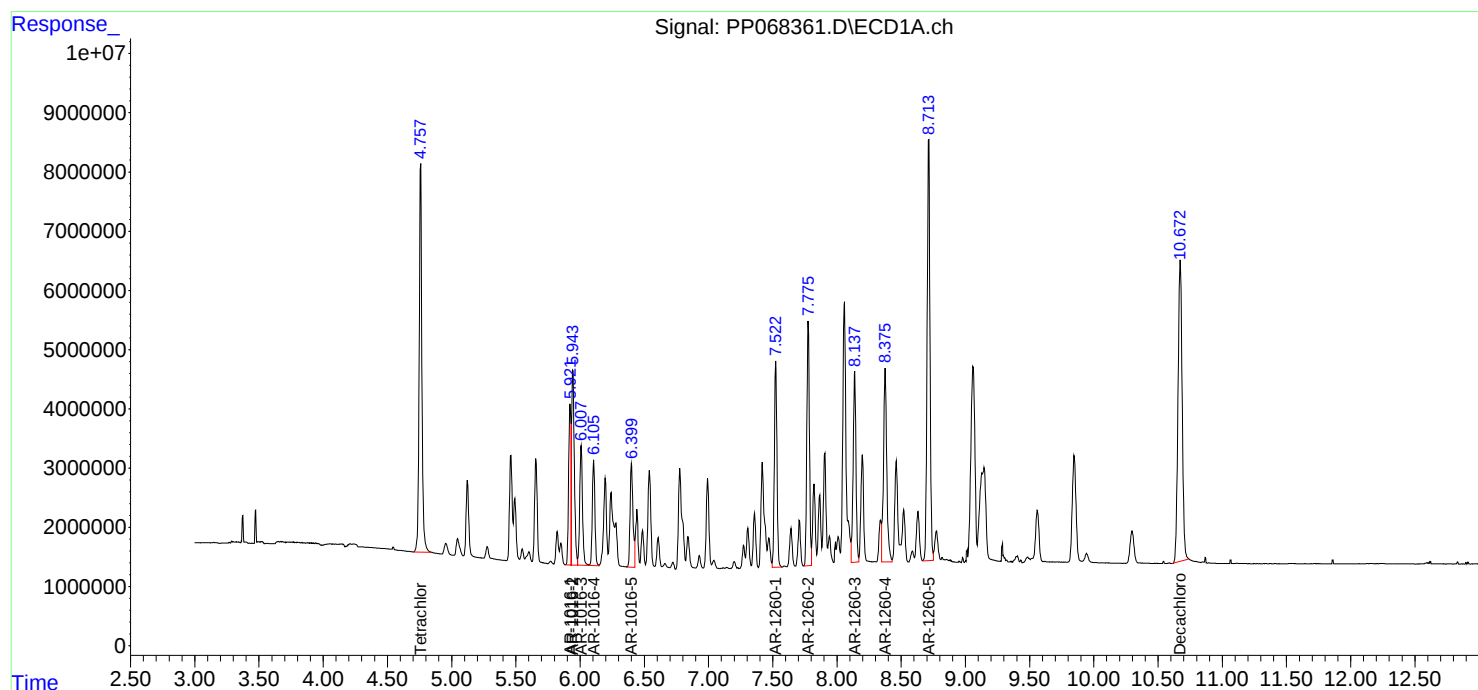
Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 04:09:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 04:05:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068362.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 03:02
 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: Nov 08 04:09:33 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 04:05:53 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.761	4.051	74215491	72112885	75.927	73.604
2) SA Decachlor...	10.676	9.210	88435348	80079491	71.787	71.304
Target Compounds						
3) L1 AR-1016-1	5.926	5.158	24740345	23766547	674.224	722.196
4) L1 AR-1016-2	5.948	5.178	37346036	33399353	689.304	718.559
5) L1 AR-1016-3	6.011	5.359	23481713	19179292	745.983	742.569
6) L1 AR-1016-4	6.110	5.398	19165227	16919100	736.879	735.608
7) L1 AR-1016-5	6.404	5.617	19397268	21418616	656.815	726.197
31) L7 AR-1260-1	7.527	6.660	37393257	38622501	679.038	718.717
32) L7 AR-1260-2	7.780	6.847	44095983	45181463	712.313	702.345
33) L7 AR-1260-3	8.142	7.005	37272340	43024564	704.326	719.410
34) L7 AR-1260-4	8.380	7.479	43794087	38019685	715.363	718.883
35) L7 AR-1260-5	8.717	7.717	79445464	85480678	719.750	724.429

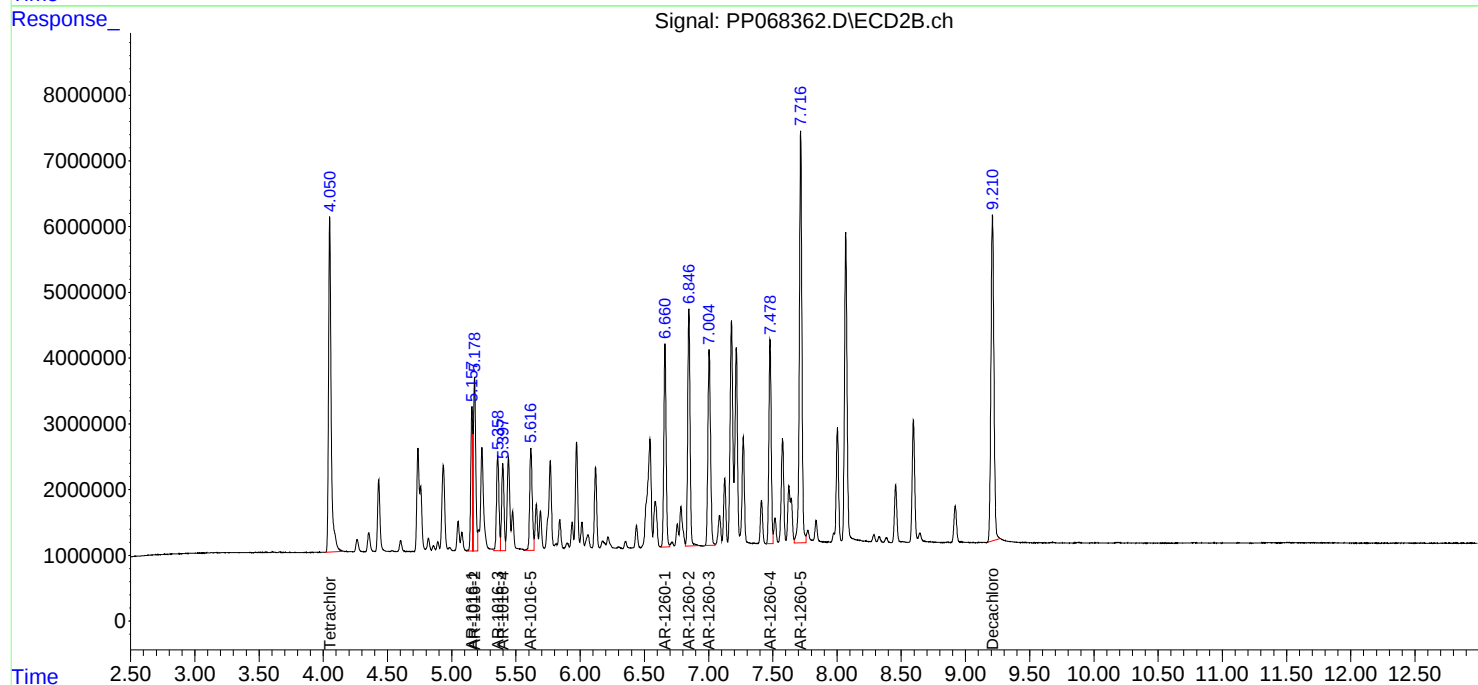
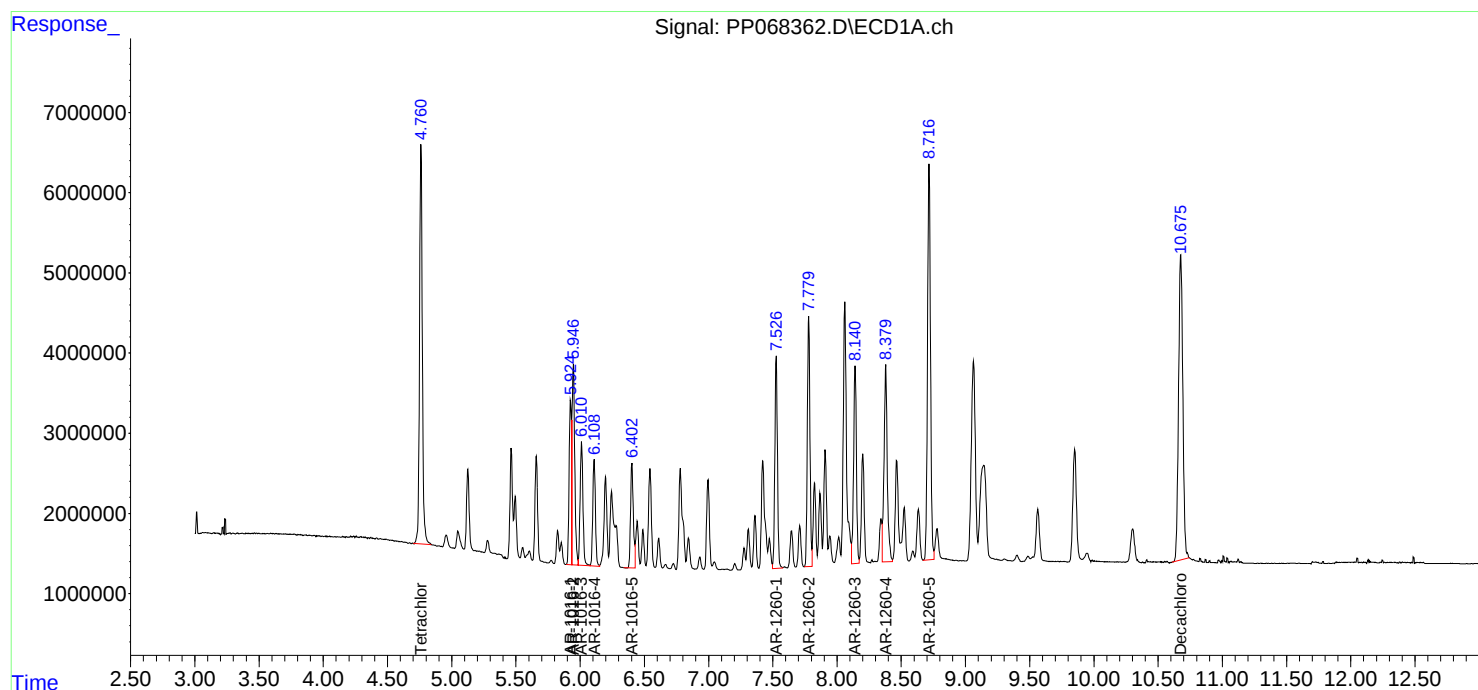
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068362.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 03:02
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: Nov 08 04:09:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 04:05:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068363.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 03:18
 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: Nov 08 04:09:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 04:05:53 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.757	4.051	48872979	48987046	50.000	50.000
2) SA Decachlor...	10.672	9.210	61595326	56153212	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	5.921	5.158	18347272	16454351	500.000	500.000
4) L1 AR-1016-2	5.944	5.179	27089690	23240502	500.000	500.000
5) L1 AR-1016-3	6.008	5.359	15738782	12914154	500.000	500.000
6) L1 AR-1016-4	6.105	5.398	13004324	11500082	500.000	500.000
7) L1 AR-1016-5	6.399	5.617	14766165	14747103	500.000	500.000
31) L7 AR-1260-1	7.523	6.660	27534006	26869049	500.000	500.000
32) L7 AR-1260-2	7.776	6.847	30952656	32164699	500.000	500.000
33) L7 AR-1260-3	8.138	7.005	26459573	29902666	500.000	500.000
34) L7 AR-1260-4	8.376	7.478	30609676	26443585	500.000	500.000
35) L7 AR-1260-5	8.713	7.717	55189644	58998620	500.000	500.000

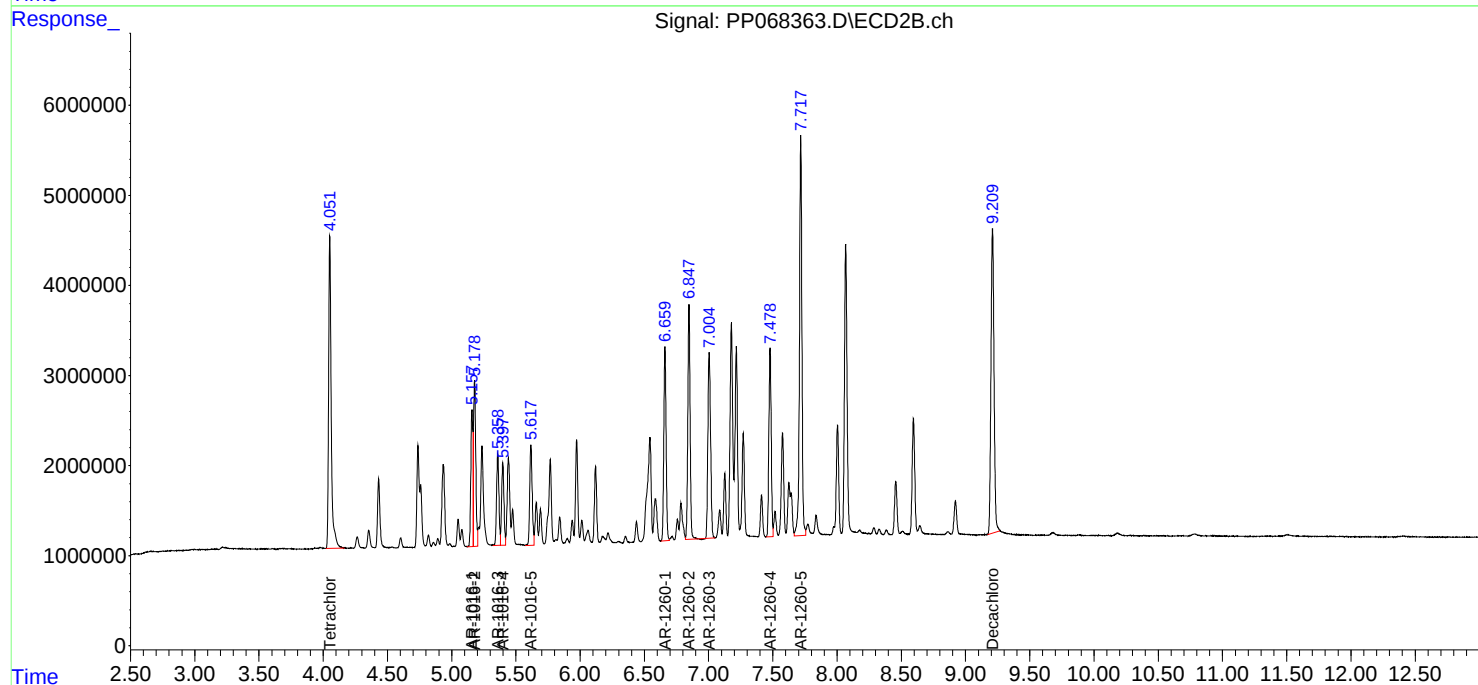
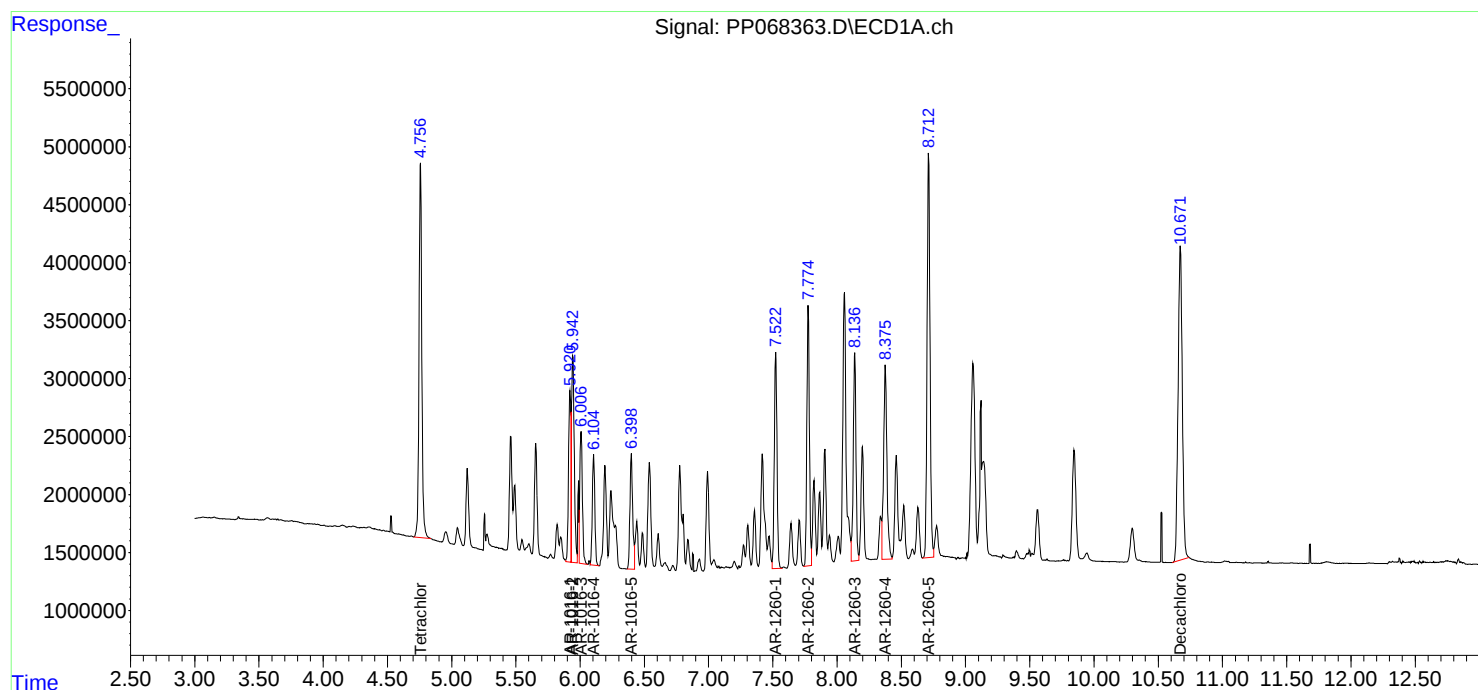
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068363.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 03:18
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: Nov 08 04:09:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 04:05:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068364.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 03:34
 Operator : YP\AJ
 Sample : AR1660ICC250
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC250

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 04:10:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 04:05:53 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.760	4.051	25351463	25875380	25.936	26.410
2) SA Decachlor...	10.676	9.210	34304600	30797863	27.847	27.423
Target Compounds						
3) L1 AR-1016-1	5.924	5.157	9641338	9079242	262.746	275.892m
4) L1 AR-1016-2	5.946	5.178	14007203	12532937	258.534	269.636m
5) L1 AR-1016-3	6.010	5.359	8815317	7259207	280.051	281.056
6) L1 AR-1016-4	6.108	5.399	6899763	6185744	265.287	268.943
7) L1 AR-1016-5	6.401	5.616	7416740	8429027	251.140m	285.786m
31) L7 AR-1260-1	7.524	6.660	14871315	15157430	270.054m	282.061m
32) L7 AR-1260-2	7.777	6.846	17543800	17962073	283.397m	279.220m
33) L7 AR-1260-3	8.140	7.004	15445788	17491691	291.875	292.477
34) L7 AR-1260-4	8.378	7.479	16721204	14490378	273.136	273.987
35) L7 AR-1260-5	8.716	7.717	30604768	31934103	277.269	270.634

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068364.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 03:34
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

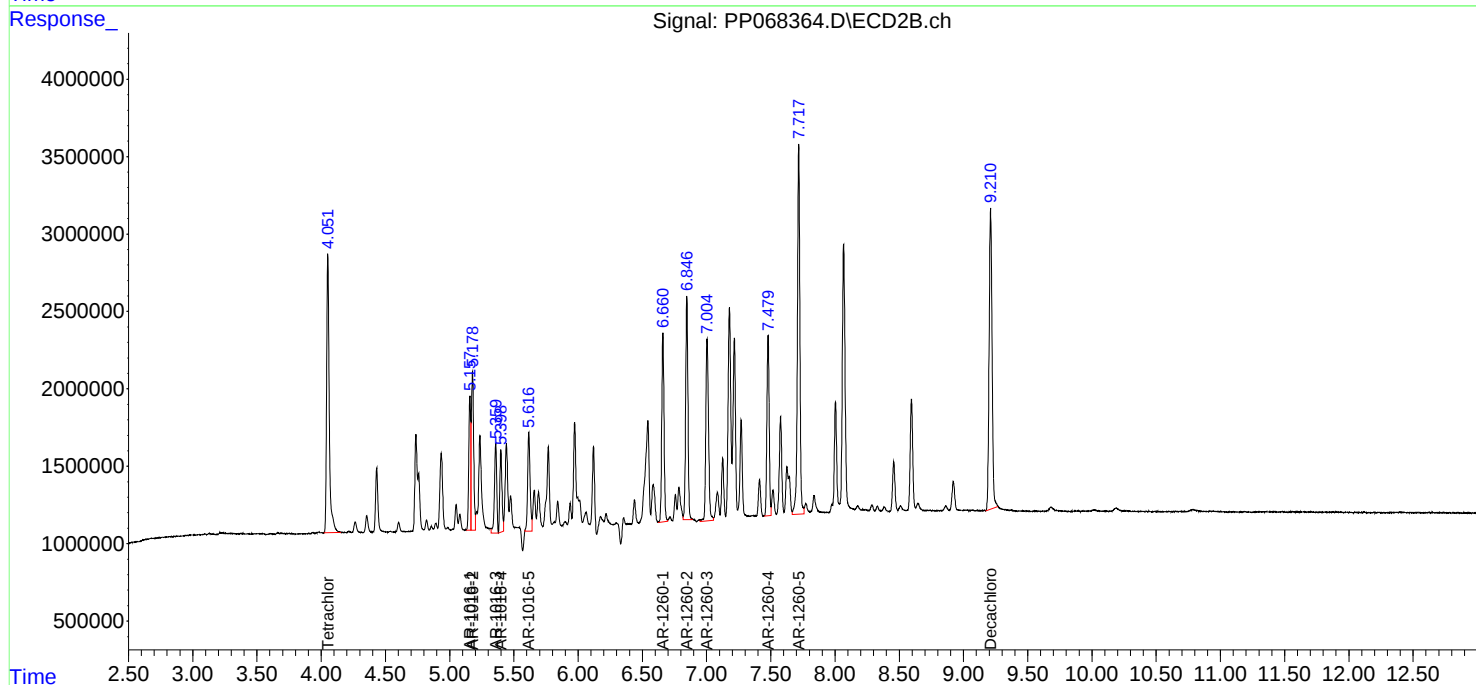
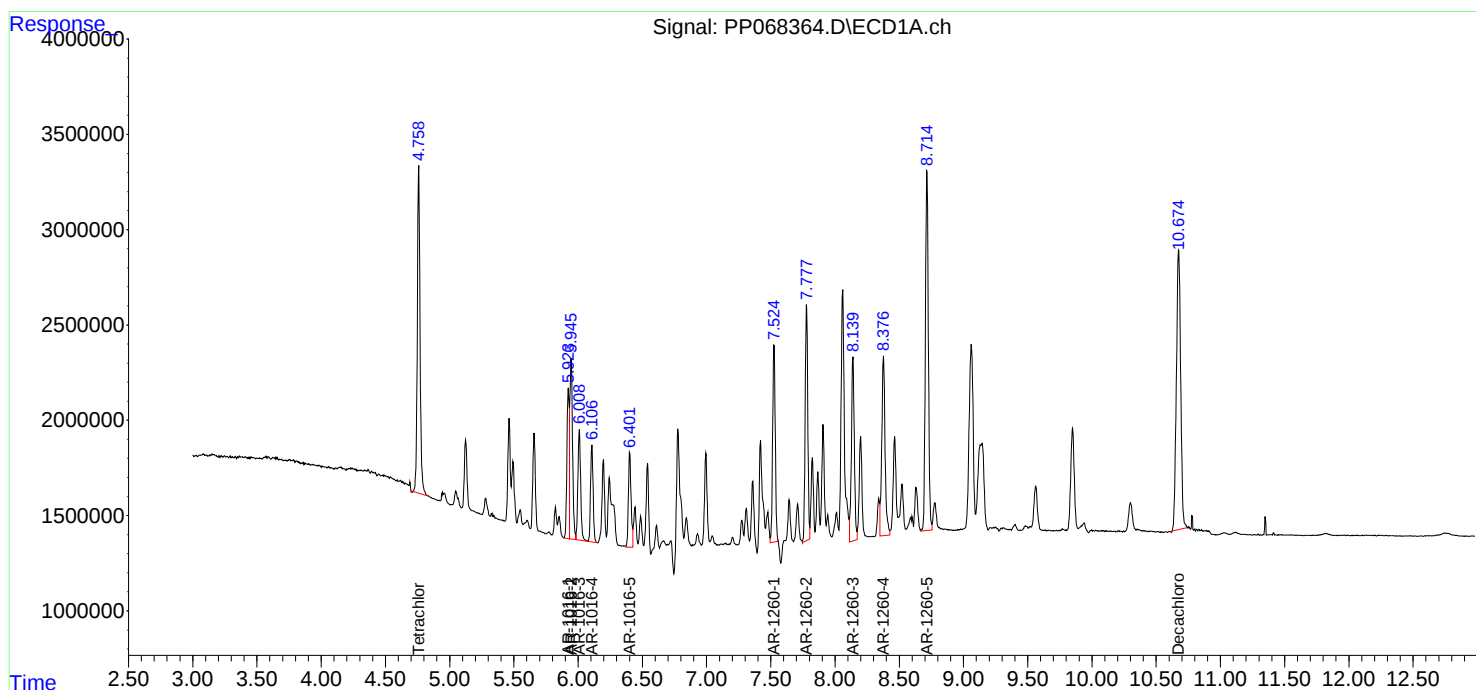
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 04:10:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 04:05:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068365.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 03:51
 Operator : YP\AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 04:10:41 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 04:05:53 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.757	4.050	4476350	4464468	4.580	4.557
2) SA Decachlor...	10.671	9.210	6627130	5830923	5.380	5.192
Target Compounds						
3) L1 AR-1016-1	5.920	5.158	1935529	1782299	52.747m	54.159
4) L1 AR-1016-2	5.943	5.178	2753129	2359756	50.815m	50.768
5) L1 AR-1016-3	6.007	5.359	1822747	1459118	57.906m	56.493
6) L1 AR-1016-4	6.104	5.398	1359273	1282513	52.262m	55.761
7) L1 AR-1016-5	6.399	5.615	1454647	1402279	49.256	47.544m
31) L7 AR-1260-1	7.522	6.660	2844781	3079403	51.659m	57.304m
32) L7 AR-1260-2	7.775	6.846	3433329	3738308	55.461m	58.112m
33) L7 AR-1260-3	8.138	7.004	2734690	3259590	51.677	54.503
34) L7 AR-1260-4	8.375	7.479	3330670	2588140	54.406m	48.937
35) L7 AR-1260-5	8.713	7.717	5830709	6019552	52.824	51.014

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068365.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 03:51
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

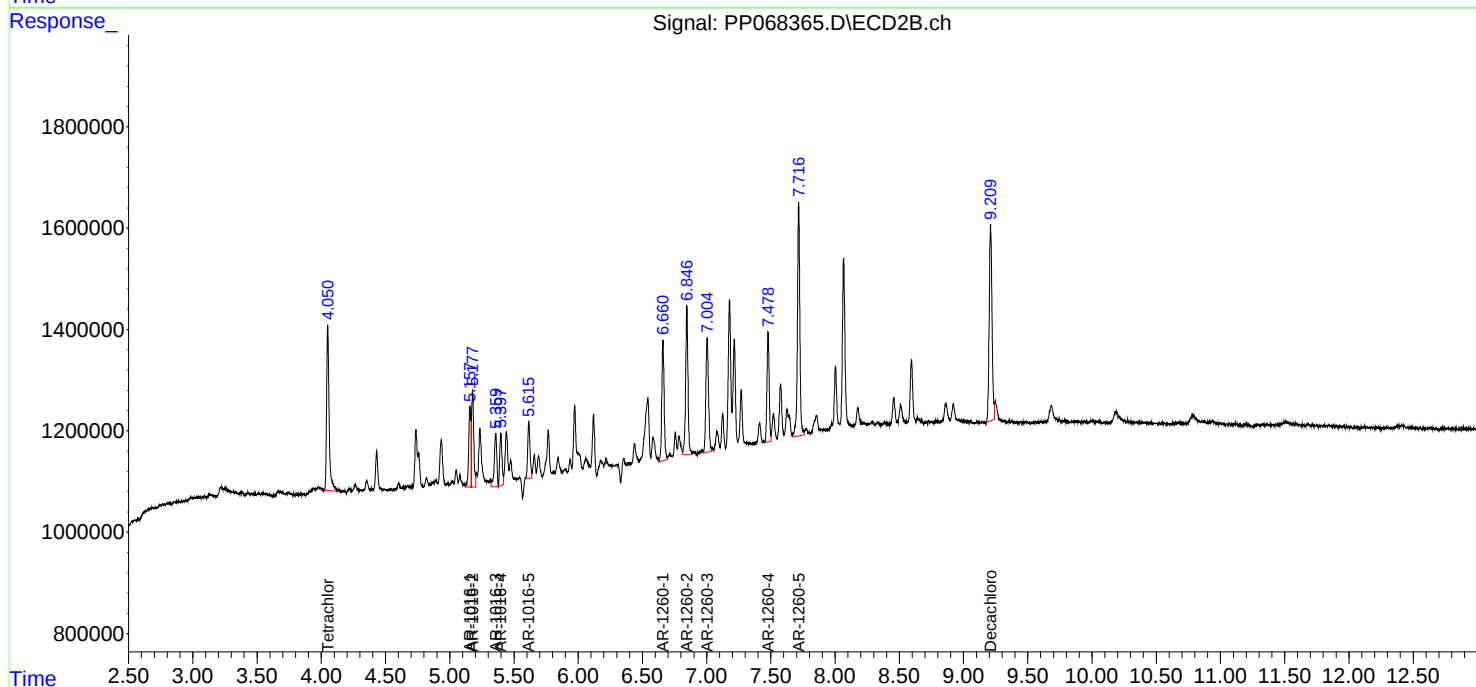
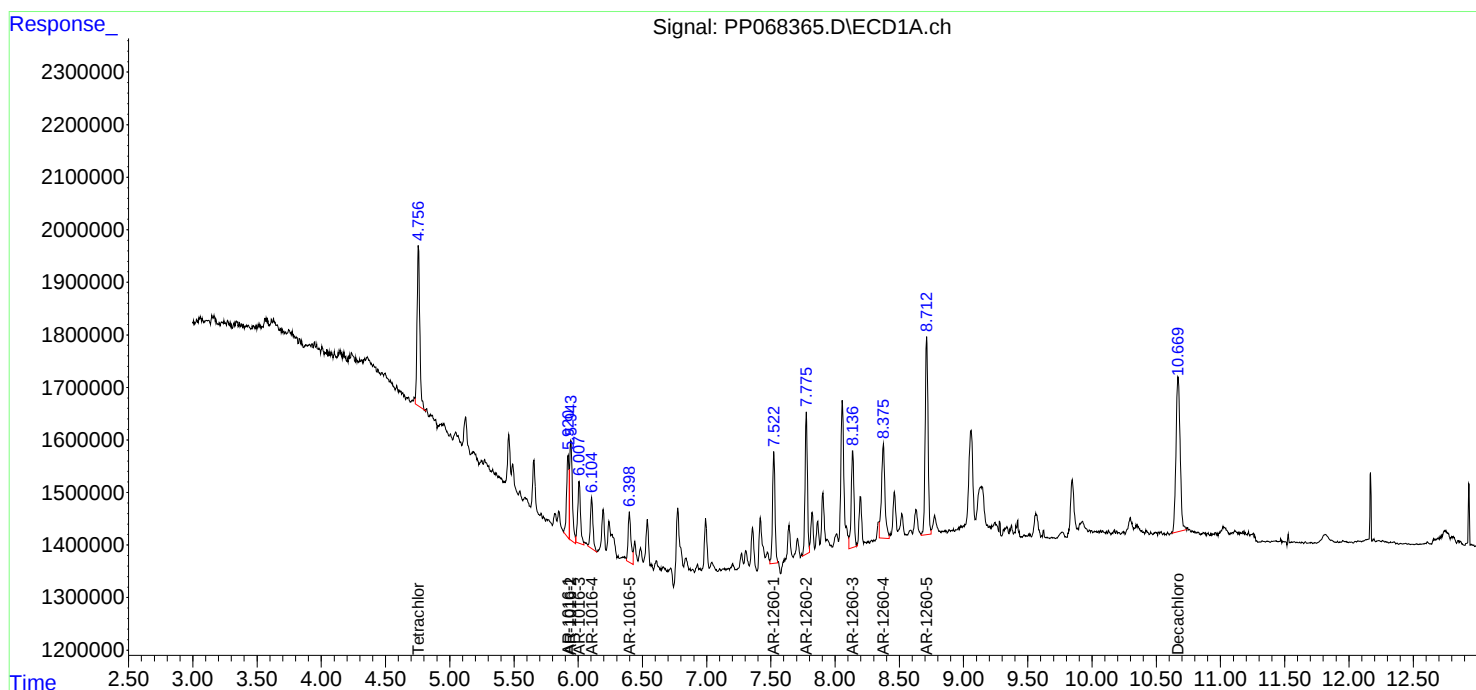
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 04:10:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 04:05:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068366.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 04:07
 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: Nov 08 04:25:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 04:24:49 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.761	4.051	54487906	51485990	50.000	50.000
2) SA Decachlor...	10.675	9.210	63373578	58168629	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	4.962	4.266	6781091	6305196	500.000	500.000
9) L2 AR-1221-2	5.049	4.354	5042781	4886468	500.000	500.000
10) L2 AR-1221-3	5.126	4.432	15129940	15245448	500.000	500.000

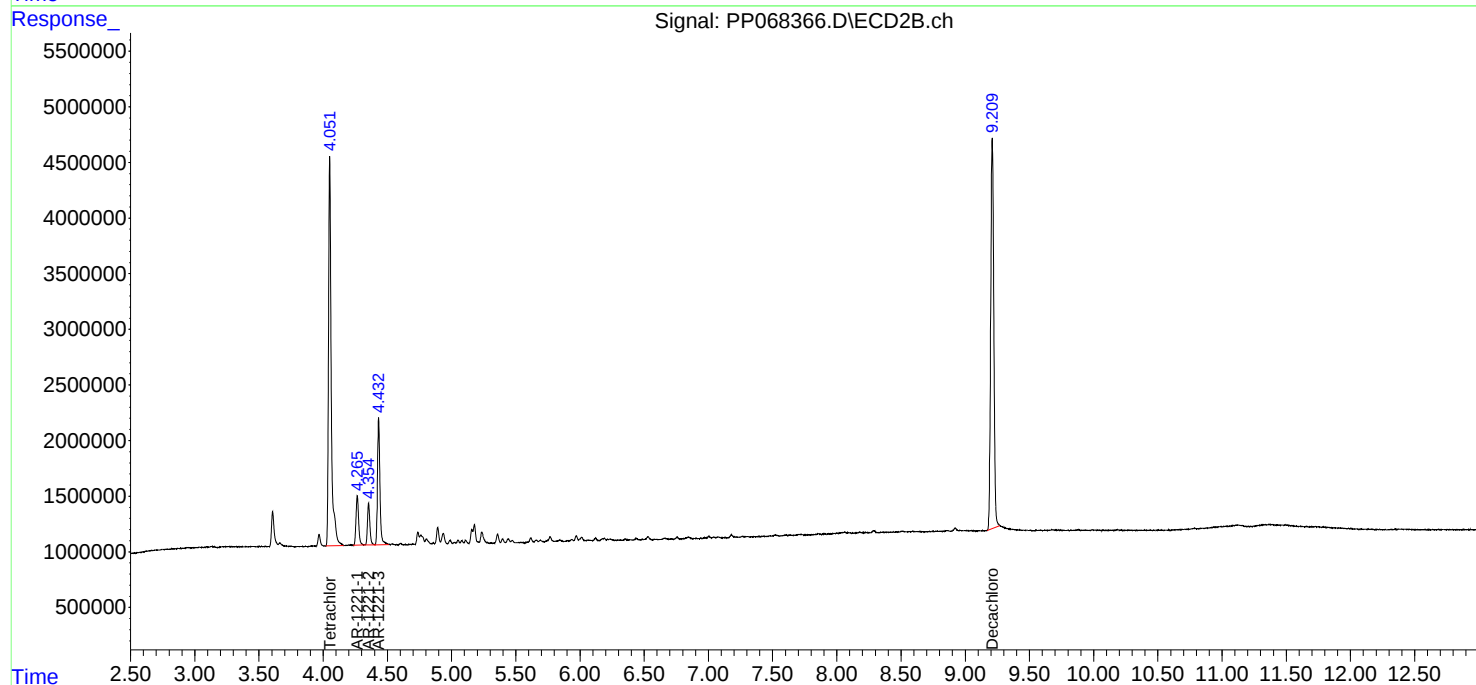
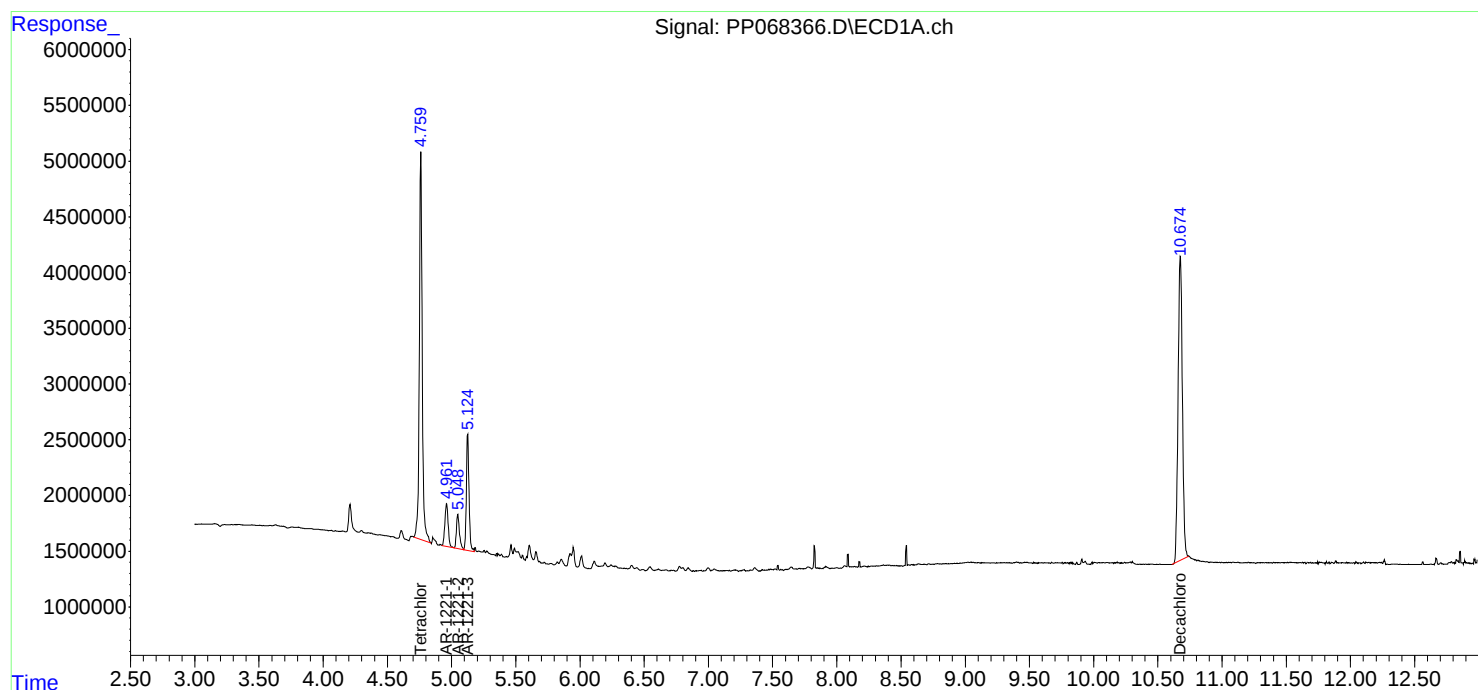
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 04:07
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: Nov 08 04:25:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 04:24:49 2024
Response via : 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\PP110724\
 Data File : PP068367.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 04:23
 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: Nov 08 04:40:29 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 04:40:21 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.757	4.050	47373418	48409734	50.000	50.000
2) SA Decachlor...	10.672	9.209	62372826	55370942	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	5.122	4.431	11659778	11800808	500.000	500.000
12) L3 AR-1232-2	5.656	5.177	7477363	10892579	500.000	500.000
13) L3 AR-1232-3	5.943	5.357	12527043	5605320	500.000	500.000
14) L3 AR-1232-4	6.105	5.441	6189085	5478256	500.000	500.000
15) L3 AR-1232-5	6.194	5.616	4972401	6160021	500.000	500.000

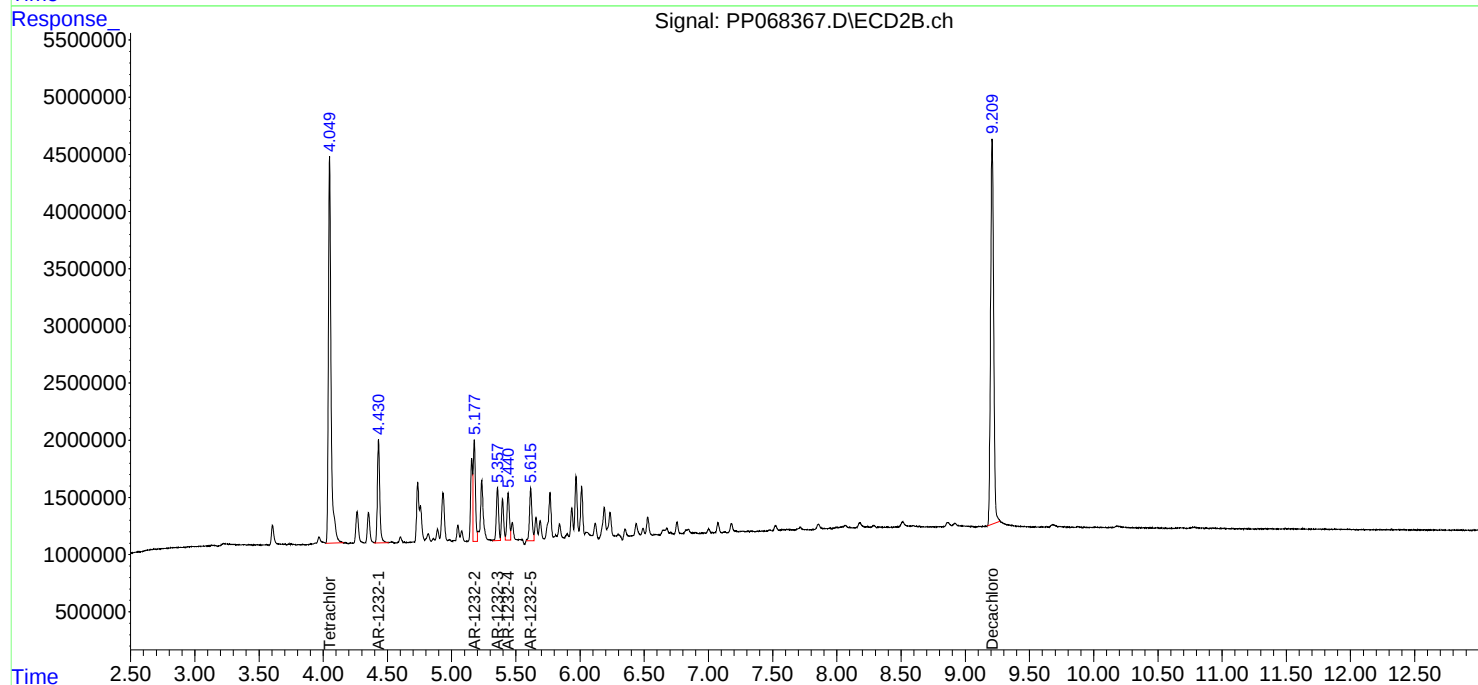
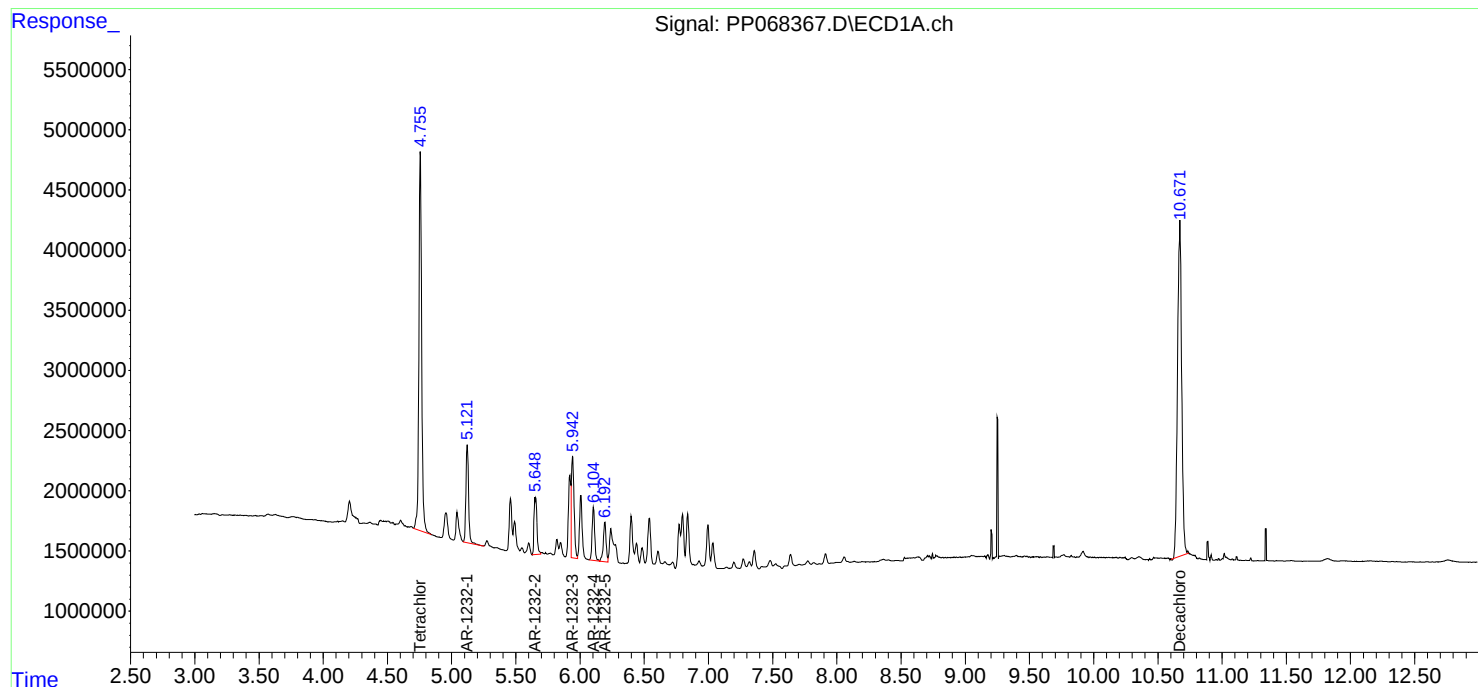
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068367.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 04:23
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: Nov 08 04:40:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 04:40:21 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068368.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 04:40
 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: Nov 08 06:16:05 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 05:36:39 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.760	4.050	99245822	96623842	99.531	98.609
2) SA Decachlor...	10.673	9.210	113.7E6	107.1E6	90.699	92.999
Target Compounds						
16) L4 AR-1242-1	5.925	5.158	27983462	26036404	937.252	950.729
17) L4 AR-1242-2	5.947	5.177	42123278	36827504	957.495	949.715
18) L4 AR-1242-3	6.010	5.358	26373595	20664122	953.762	944.883
19) L4 AR-1242-4	6.109	5.442	21517643	21373603	976.214	919.665
20) L4 AR-1242-5	6.842	5.971	23574356	25609316	973.562	941.259

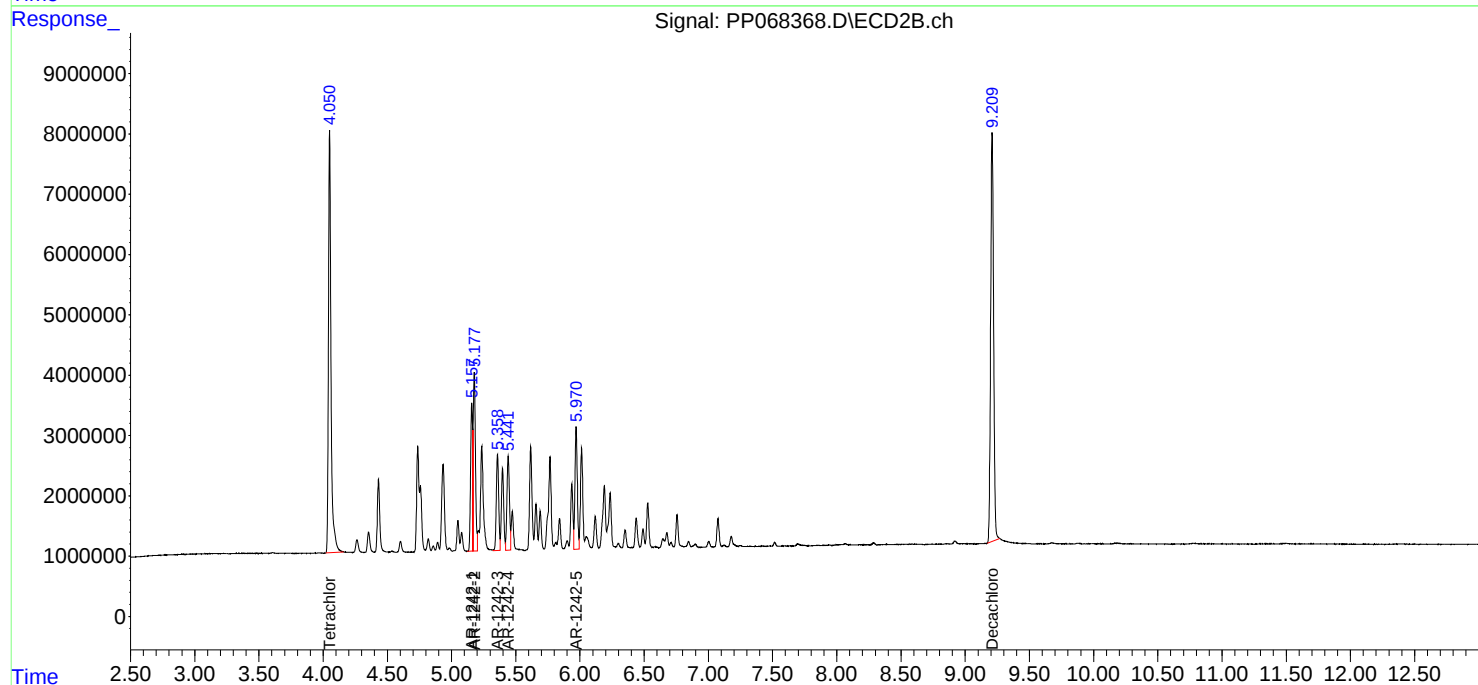
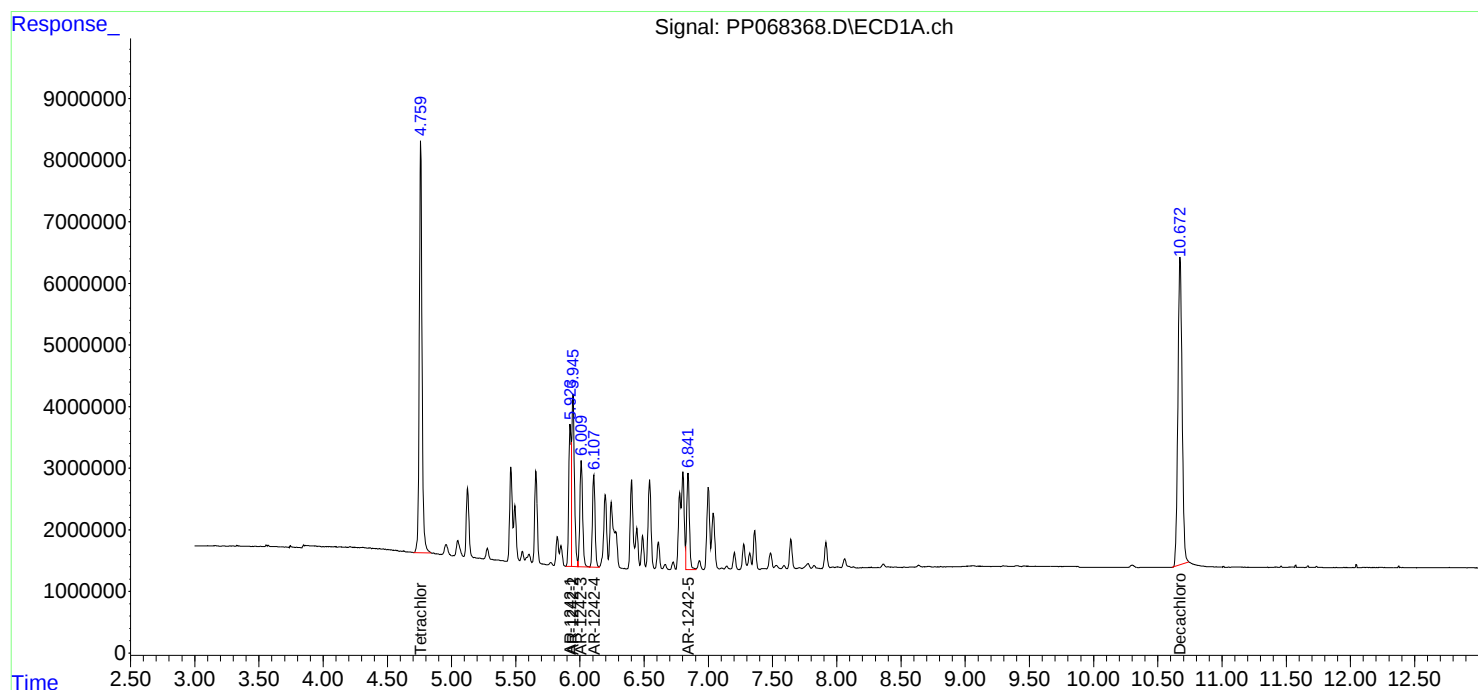
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 04:40
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: Nov 08 06:16:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 05:36:39 2024
Response via : 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\PP110724\
 Data File : PP068369.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 04:56
 Operator : YP\AJ
 Sample : AR1242ICC750
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC750

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 06:16:26 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 05:36:39 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.757	4.051	73701317	72902231	73.913	74.400
2) SA Decachlor...	10.671	9.210	89329907	79864244	71.261	69.324
Target Compounds						
16) L4 AR-1242-1	5.921	5.158	21707847	19947336	727.063	728.384
17) L4 AR-1242-2	5.943	5.178	32662914	28089404	742.454	724.375
18) L4 AR-1242-3	6.007	5.359	20651932	15418603	746.847	705.027
19) L4 AR-1242-4	6.105	5.442	16748446	16360633	759.845	703.966
20) L4 AR-1242-5	6.838	5.971	18720909	20154463	773.126m	740.769

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068369.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 04:56
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

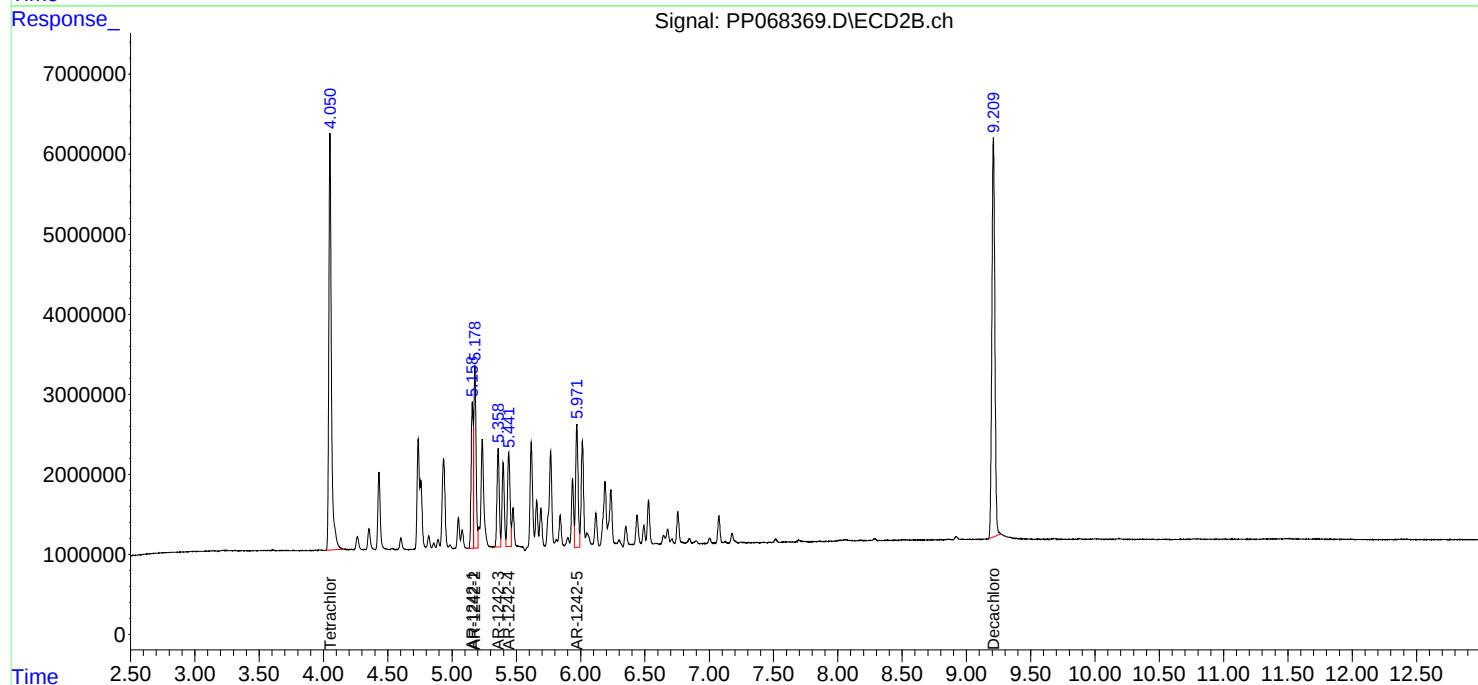
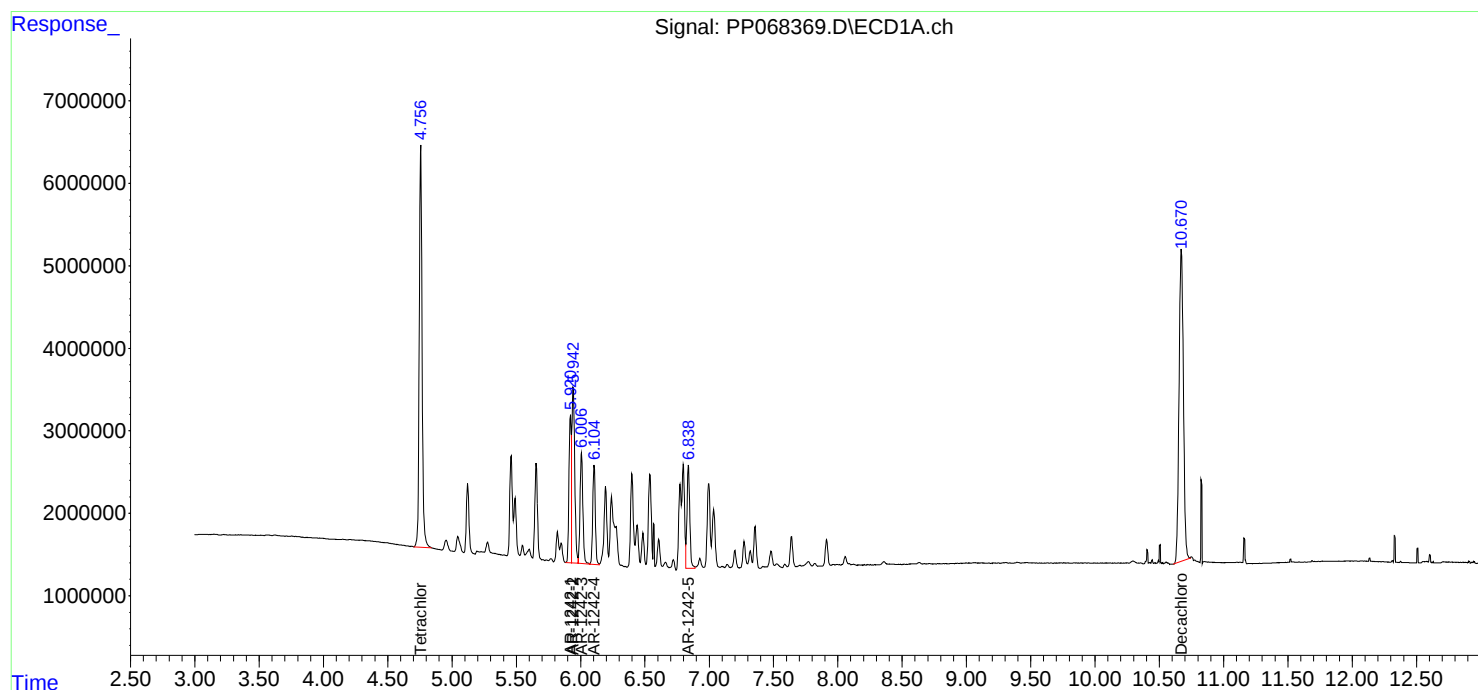
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 06:16:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 05:36:39 2024
Response via : 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\PP110724\
 Data File : PP068370.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 05:12
 Operator : YP\AJ
 Sample : AR1242ICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 06:16:56 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 05:36:39 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.759	4.051	49856617	48993327	50.000	50.000
2) SA Decachlor...	10.674	9.210	62677810	57602063	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	5.923	5.158	14928455	13692867	500.000	500.000
17) L4 AR-1242-2	5.945	5.177	21996599	19388721	500.000	500.000
18) L4 AR-1242-3	6.009	5.358	13826088	10934756	500.000	500.000
19) L4 AR-1242-4	6.107	5.441	11020962	11620321	500.000	500.000
20) L4 AR-1242-5	6.841	5.971	12107276	13603749	500.000	500.000

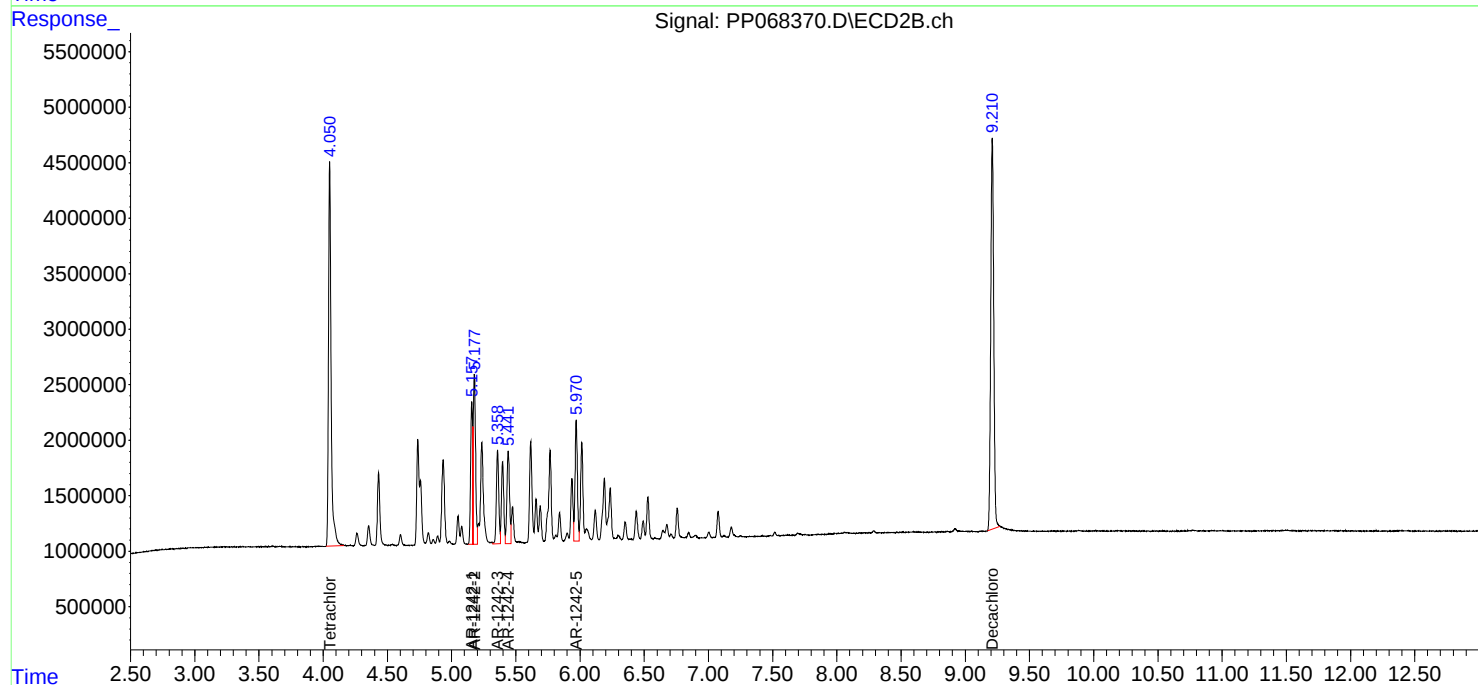
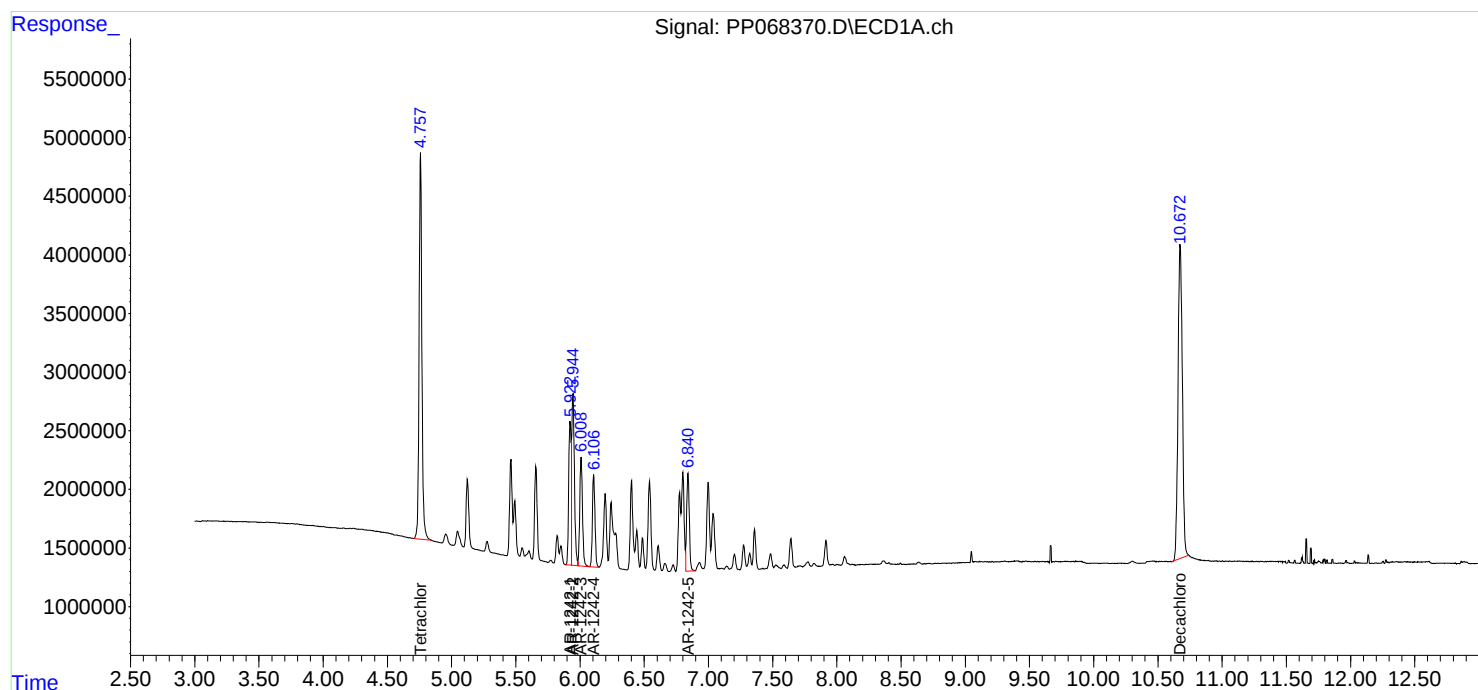
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068370.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 05:12
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 06:16:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 05:36:39 2024
Response via : 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\PP110724\
 Data File : PP068371.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 05:29
 Operator : YP\AJ
 Sample : AR1242ICC250
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC250

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 06:17:21 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 05:36:39 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.757	4.050	26197982	25840991	26.273	26.372
2) SA Decachlor...	10.671	9.210	33966664	29888082	27.096	25.944
Target Compounds						
16) L4 AR-1242-1	5.922	5.158	7995277	7404867	267.786	270.391
17) L4 AR-1242-2	5.944	5.178	11541932	10286618	262.357	265.273
18) L4 AR-1242-3	6.007	5.358	7659806	5423964	277.006	248.015
19) L4 AR-1242-4	6.106	5.441	5674201	5961824	257.428	256.526
20) L4 AR-1242-5	6.838	5.970	6401457	7452669	264.364m	273.920m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 05:29
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

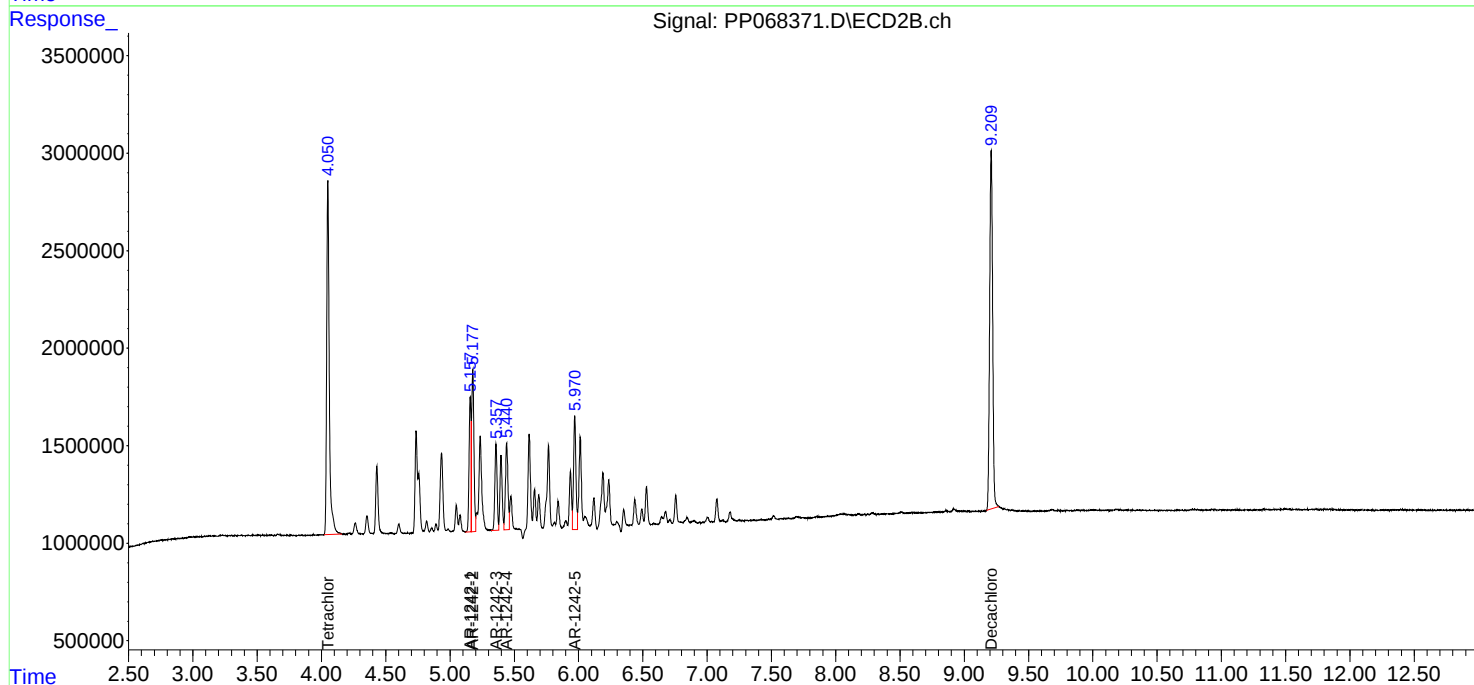
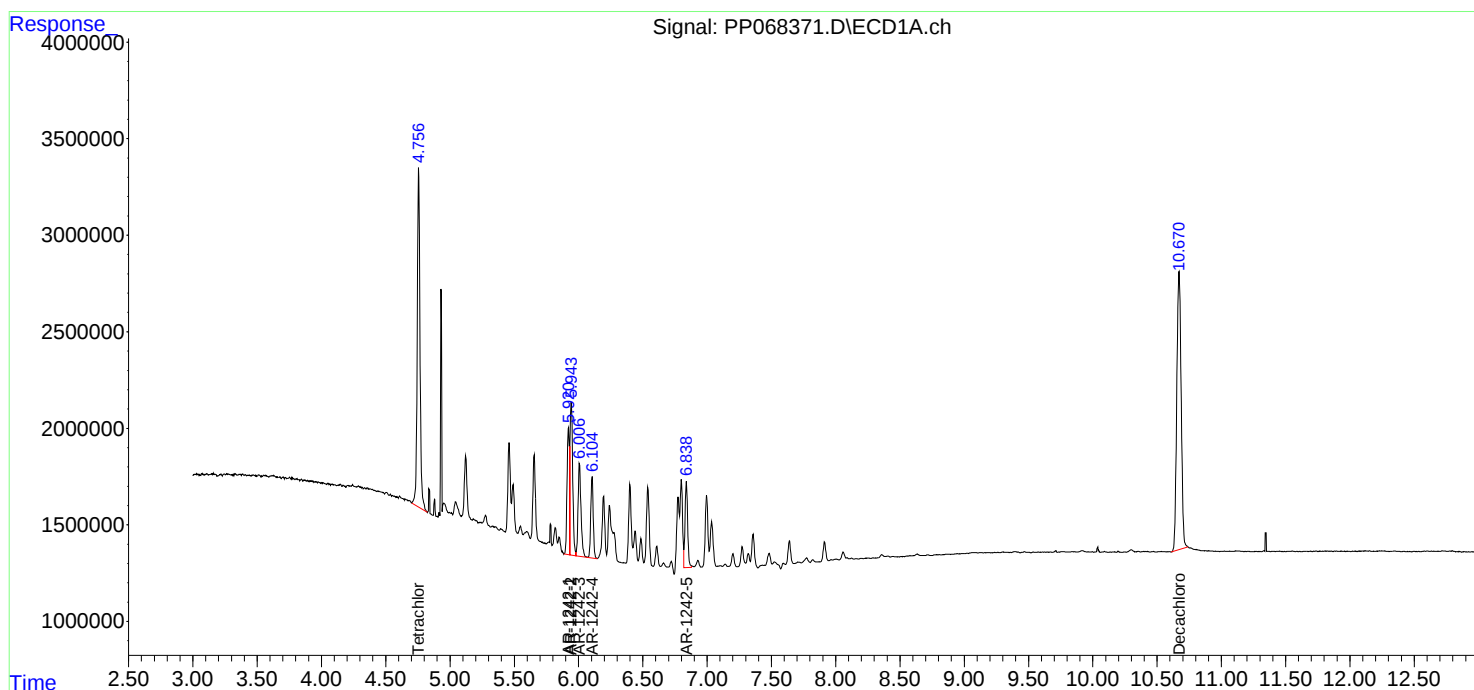
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 06:17:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 05:36:39 2024
Response via : 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\PP110724\
 Data File : PP068372.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 05:45
 Operator : YP\AJ
 Sample : AR1242ICC050
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 06:17:42 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 05:36:39 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.760	4.051	4728239	4651184	4.742	4.747
2) SA Decachlor...	10.676	9.210	6608463	6442390	5.272	5.592
Target Compounds						
16) L4 AR-1242-1	5.924	5.159	1530111	1465539	51.248	53.515
17) L4 AR-1242-2	5.947	5.178	2233780	1946070	50.776	50.186
18) L4 AR-1242-3	6.011	5.359	1354565	1080631	48.986	49.413
19) L4 AR-1242-4	6.109	5.443	1040612	1184635	47.211	50.973
20) L4 AR-1242-5	6.843	5.971	1152305	1387833	47.587	51.009

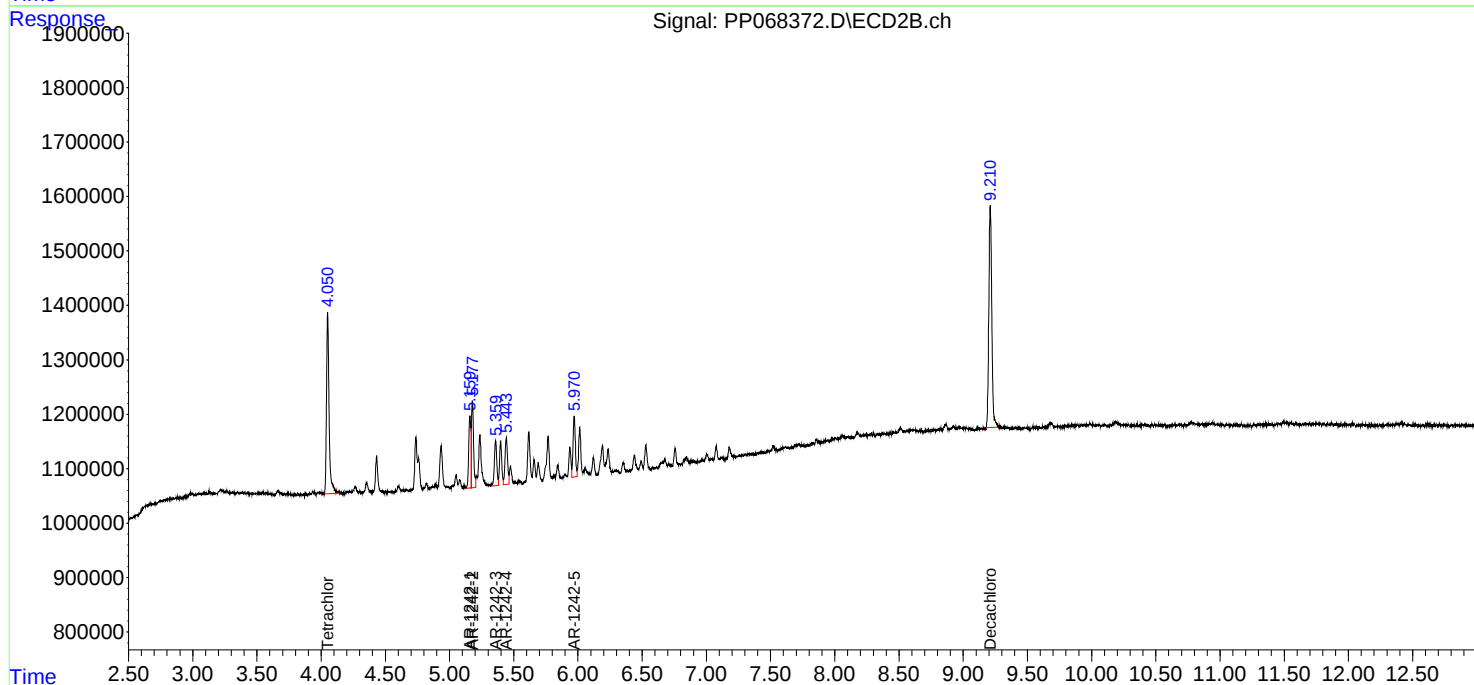
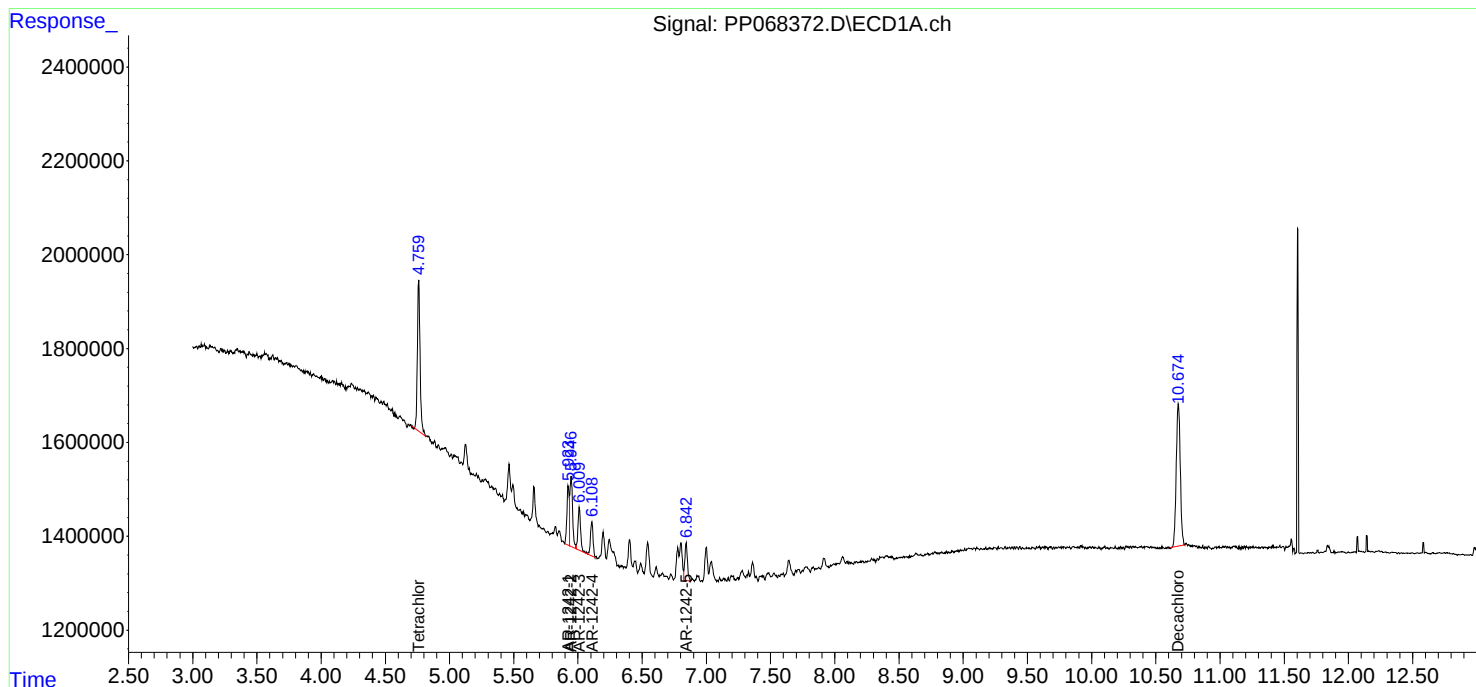
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068372.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 05:45
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 06:17:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 05:36:39 2024
Response via : 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\PP110724\
 Data File : PP068373.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 06:01
 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: Nov 08 06:58:35 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 06:51:17 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.757	4.051	96530101	95022417	92.347	95.889
2) SA Decachlor...	10.672	9.210	116.2E6	107.5E6	90.237	91.496
Target Compounds						
21) L5 AR-1248-1	5.921	5.158	21167087	20444534	891.964	918.589
22) L5 AR-1248-2	6.194	5.398	31519452	29533815	907.820	915.094
23) L5 AR-1248-3	6.399	5.442	34960996	30992675	932.904	914.327
24) L5 AR-1248-4	6.799	5.617	40590754	36032257	942.236	922.924
25) L5 AR-1248-5	6.840	6.015	41079234	34550039	971.700	945.330

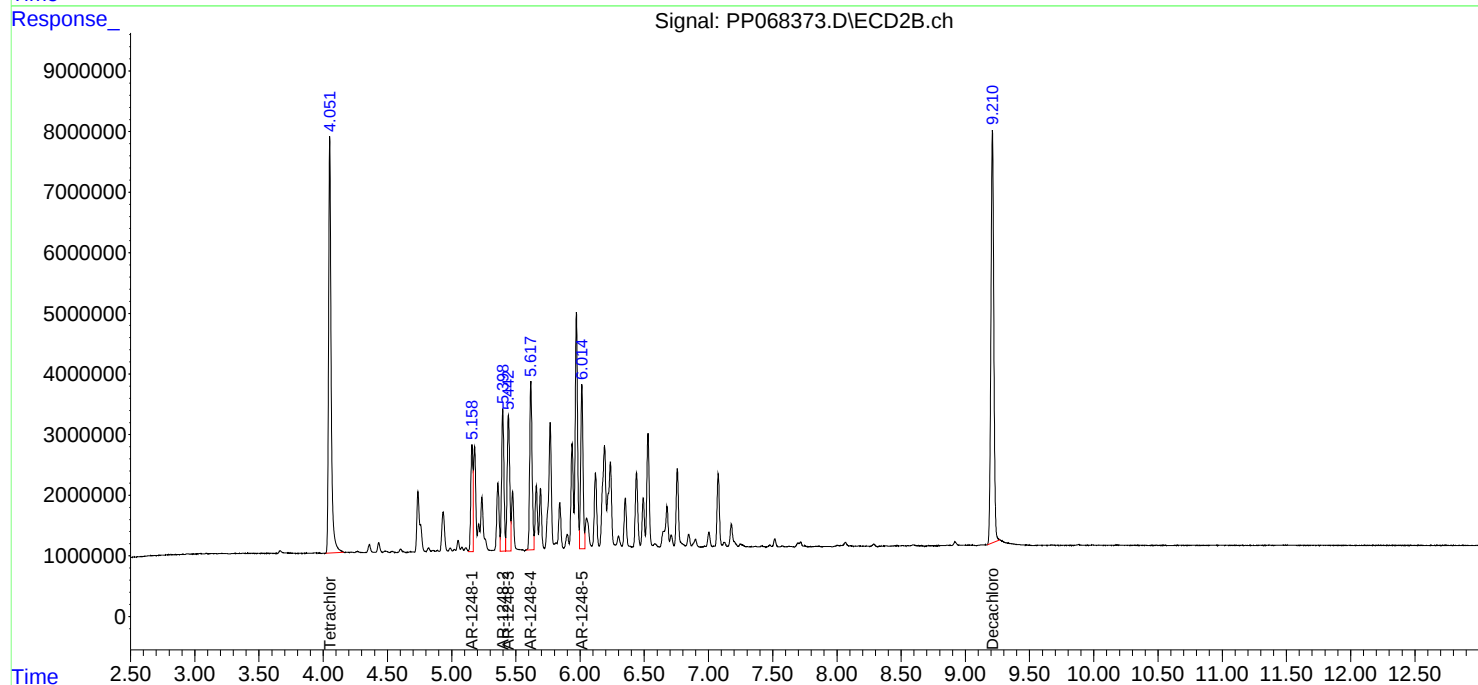
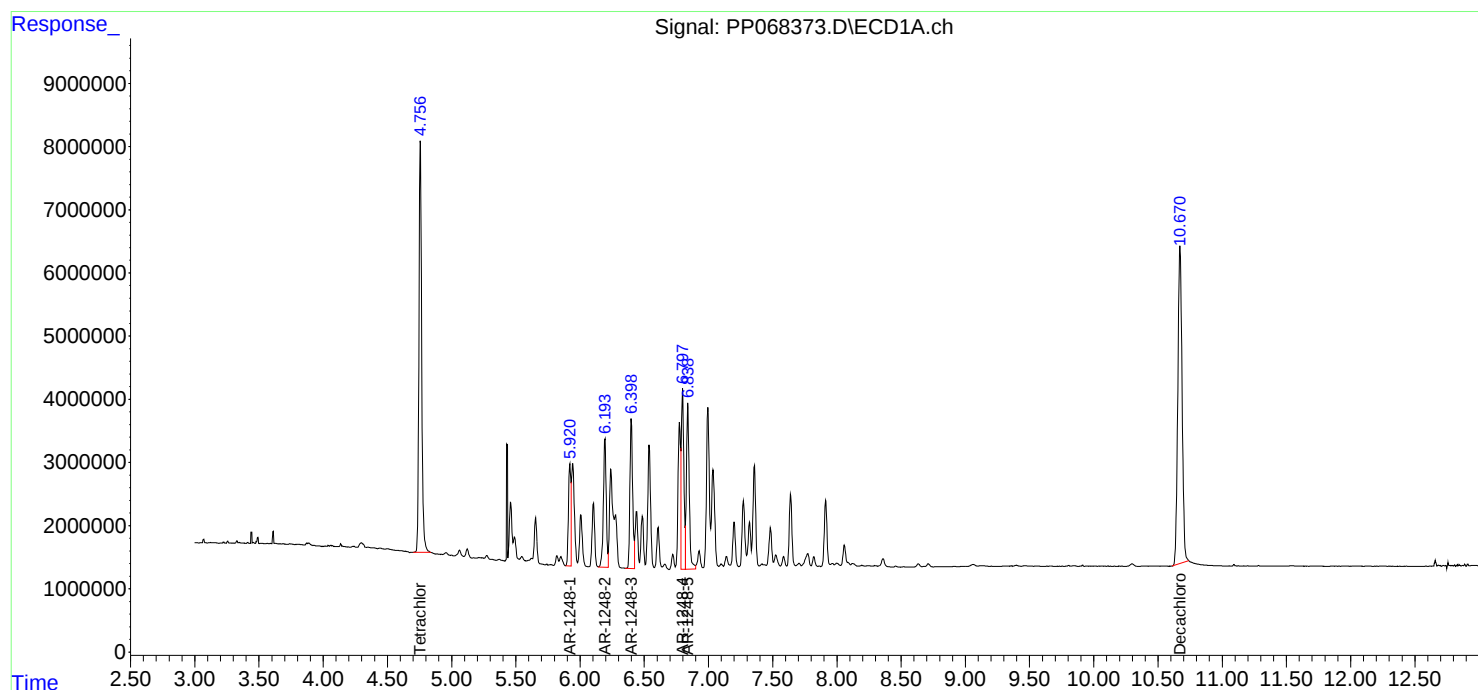
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 06:01
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: Nov 08 06:58:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 06:51:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068374.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 06:18
 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: Nov 08 06:58:56 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 06:51:17 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.761	4.051	73204790	72098385	70.033	72.756
2) SA Decachlor...	10.677	9.211	90455884	82736930	70.250	70.402
Target Compounds						
21) L5 AR-1248-1	5.925	5.158	16721420	15166896	704.627	681.460
22) L5 AR-1248-2	6.198	5.398	24472682	22246018	704.859	689.284
23) L5 AR-1248-3	6.404	5.442	26750794	23427091	713.822	691.131
24) L5 AR-1248-4	6.803	5.617	31634549	27154244	734.335	695.524
25) L5 AR-1248-5	6.844	6.014	31495048	26189235	744.993	716.569

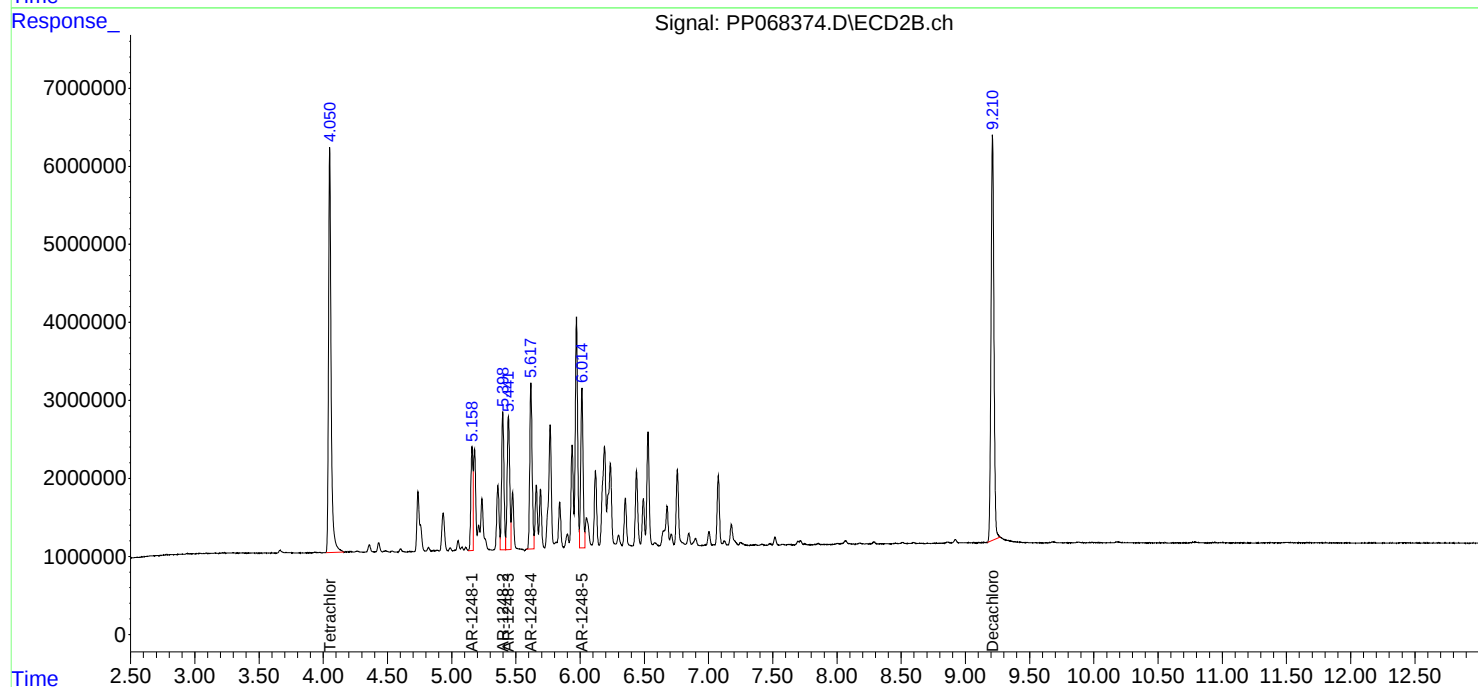
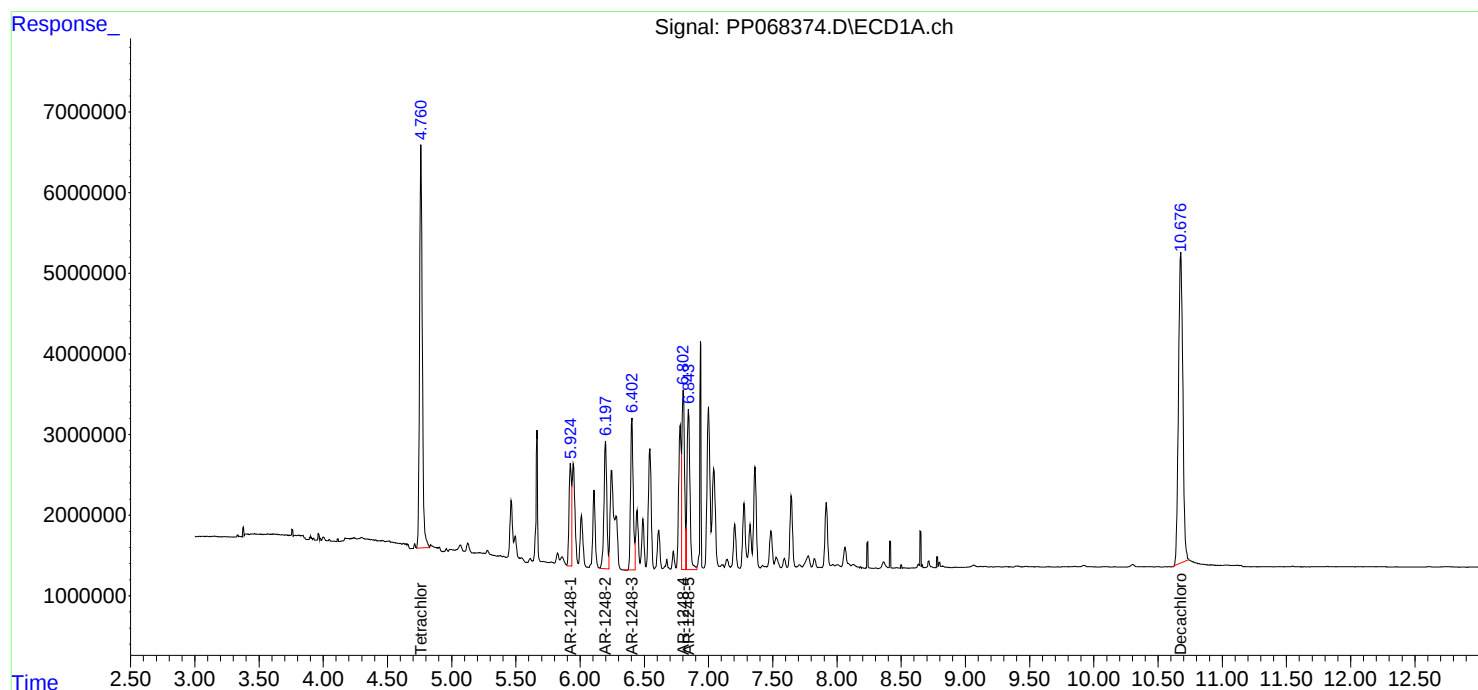
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068374.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 06:18
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: Nov 08 06:58:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 06:51:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068375.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 06:34
 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: Nov 08 06:59:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 06:51:17 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.757	4.050	52264841	49547981	50.000	50.000
2) SA Decachlor...	10.671	9.207	64381459	58760010	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	5.921	5.157	11865437	11128233	500.000	500.000
22) L5 AR-1248-2	6.194	5.397	17359974	16137046	500.000	500.000
23) L5 AR-1248-3	6.399	5.441	18737715	16948361	500.000	500.000
24) L5 AR-1248-4	6.799	5.615	21539593	19520704	500.000	500.000
25) L5 AR-1248-5	6.839	6.012	21137823	18274058	500.000	500.000

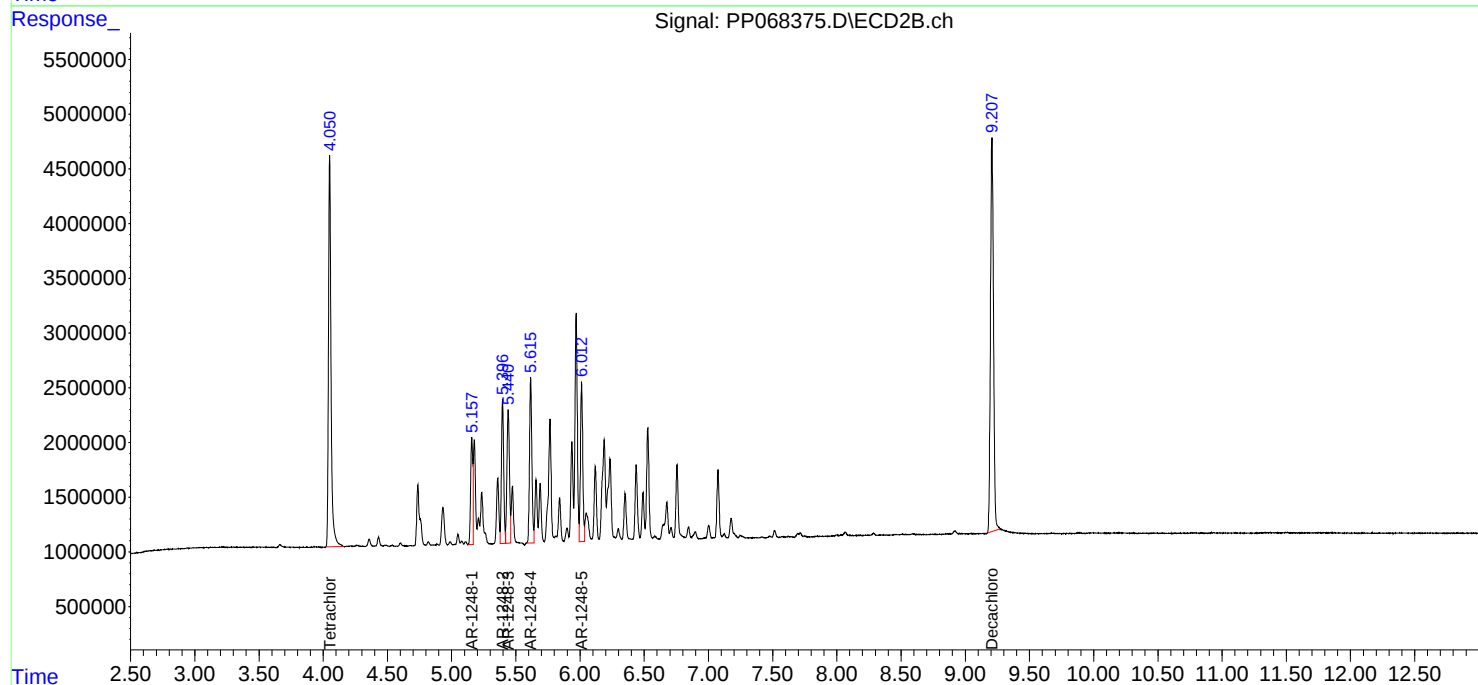
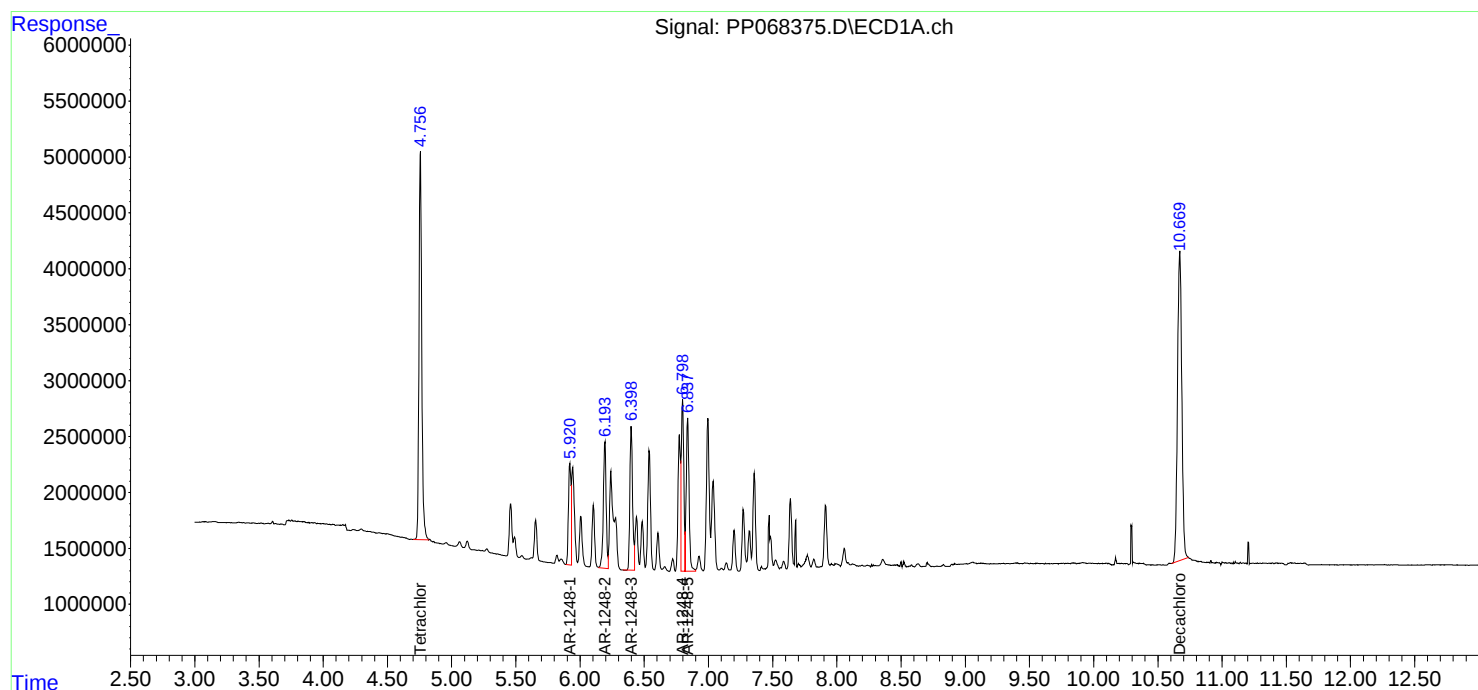
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068375.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 06:34
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: Nov 08 06:59:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 06:51:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068376.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 06:50
 Operator : YP\AJ
 Sample : AR1248ICC250
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC250

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 07:04:14 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 06:51:17 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.757	4.050	25555780	25959761	25.670	26.832
2) SA Decachlor...	10.670	9.209	34717264	31159867	28.491	27.874
Target Compounds						
21) L5 AR-1248-1	5.920	5.157	6190631	5821980	276.395	277.574
22) L5 AR-1248-2	6.194	5.397	8965381	8710730	272.036	285.694
23) L5 AR-1248-3	6.397	5.441	10144567	9153534	281.522m	285.674
24) L5 AR-1248-4	6.799	5.616	11882340	10721414	283.252	289.041
25) L5 AR-1248-5	6.838	6.013	11818508	10171757	282.856	287.833

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068376.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 06:50
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

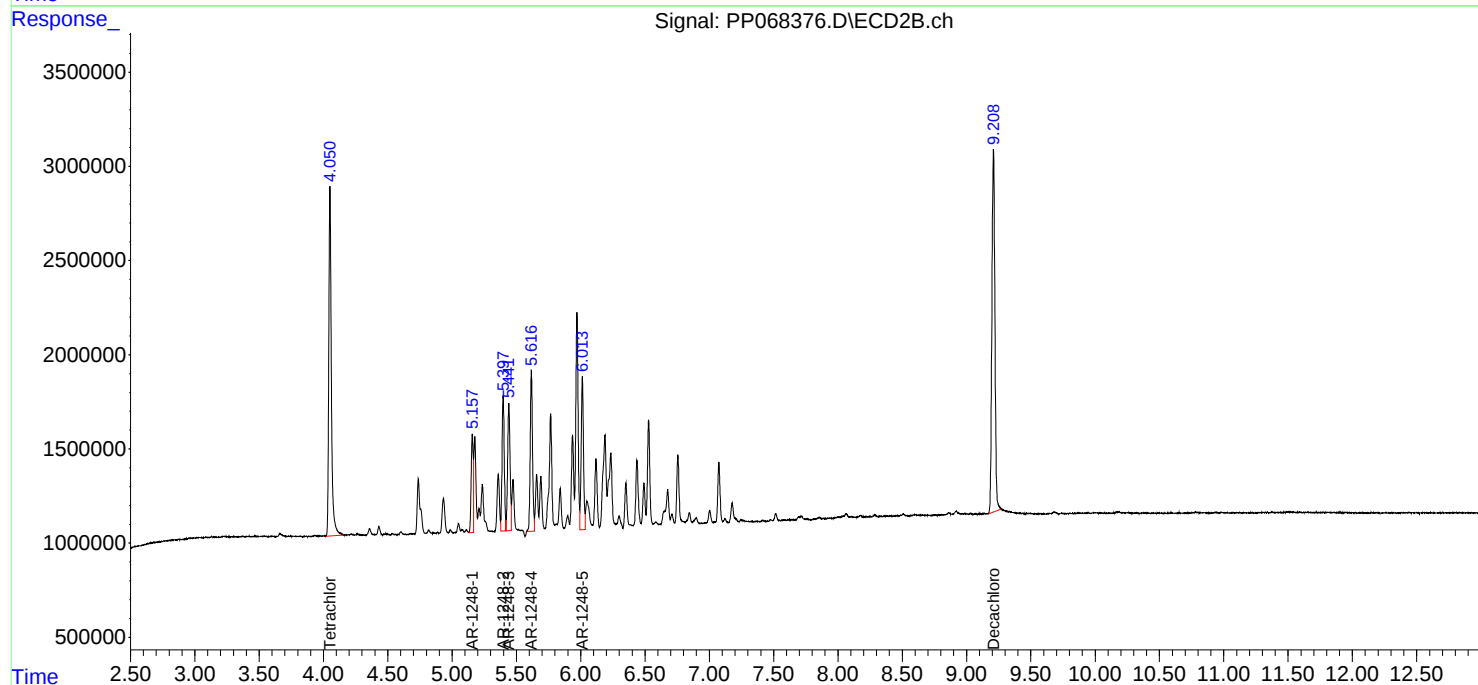
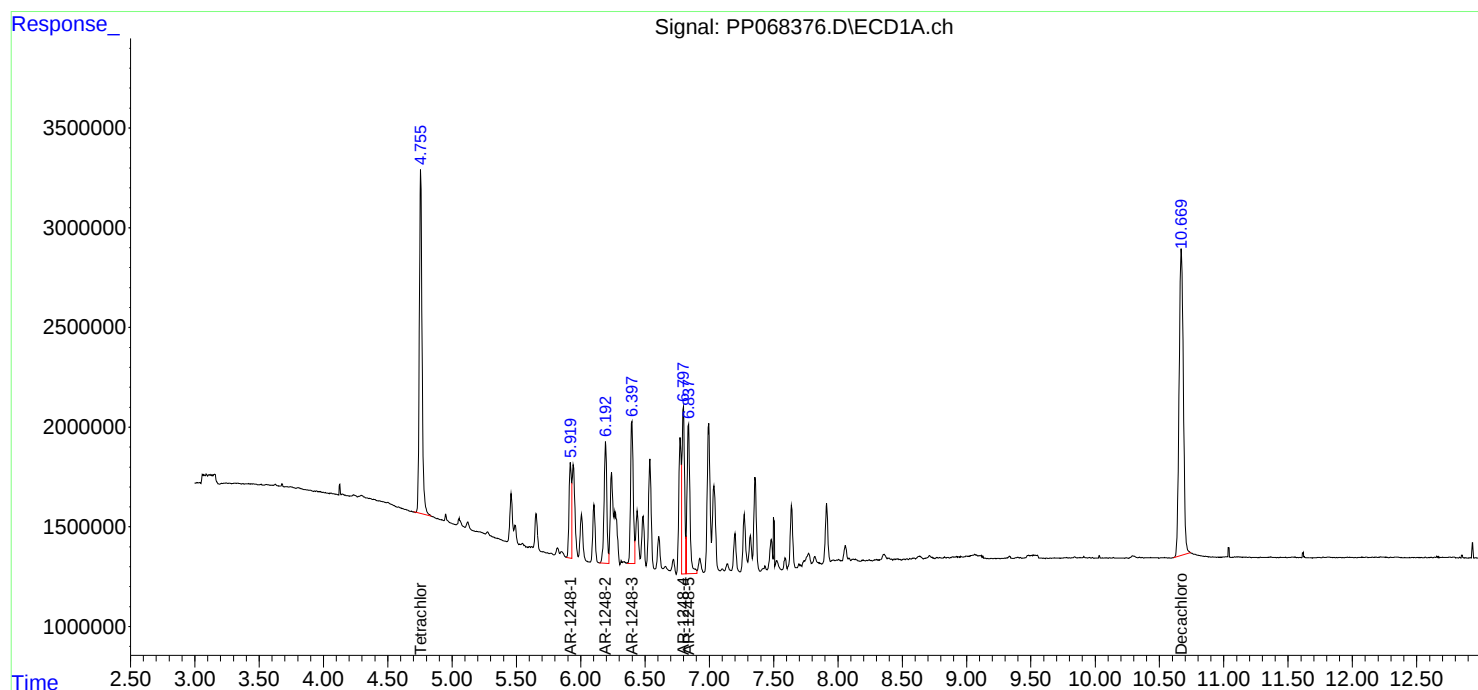
Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 07:04:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 06:51:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068377.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 07:07
 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: Nov 08 07:23:16 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 07:22:18 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.759	4.050	4528863	4576408	4.333	4.618
2) SA Decachlor...	10.674	9.208	6587334	6156421	5.116	5.239
Target Compounds						
21) L5 AR-1248-1	5.923	5.156	1043327	1151288	43.965	51.728
22) L5 AR-1248-2	6.197	5.397	1666097	1676654	47.987	51.950
23) L5 AR-1248-3	6.402	5.440	1694797	1740066	45.224	51.334
24) L5 AR-1248-4	6.802	5.615	2027482	1998950	47.064	51.201
25) L5 AR-1248-5	6.842	6.012	1753691	1931861	41.482	52.858 #

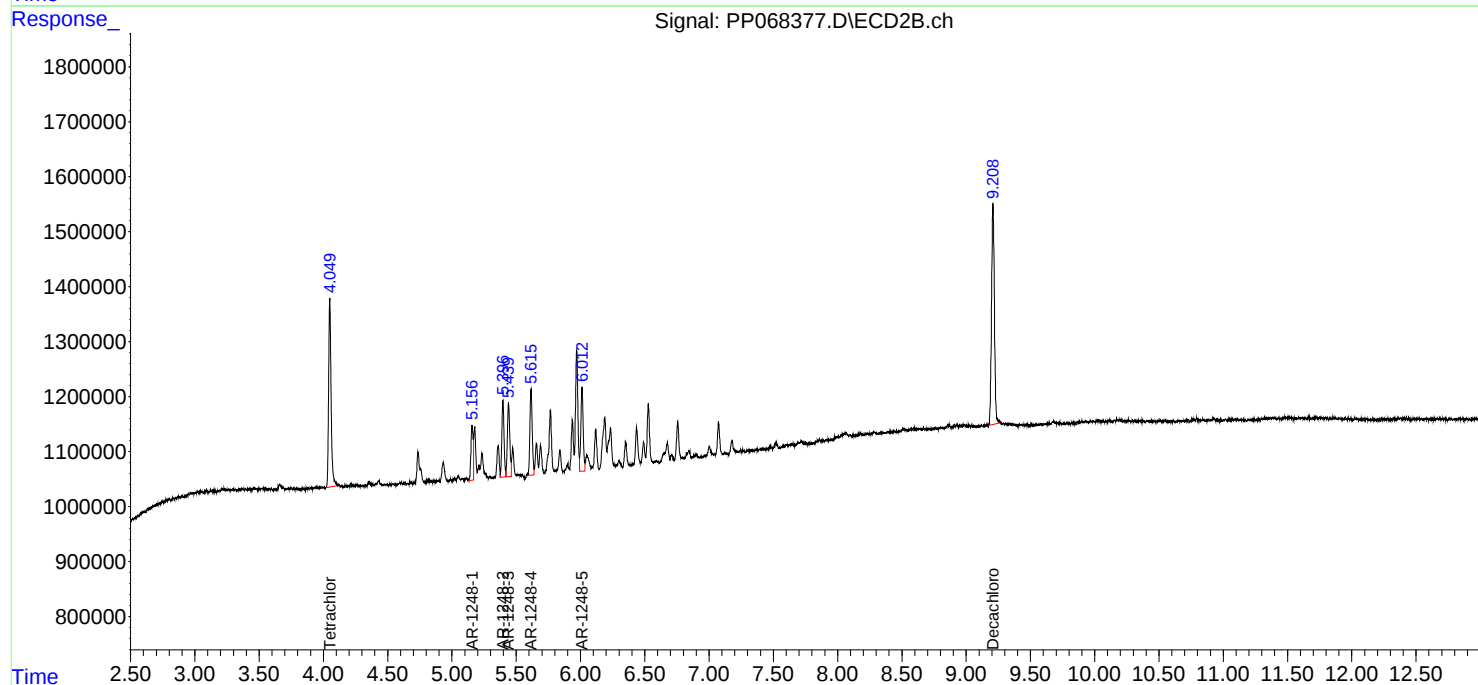
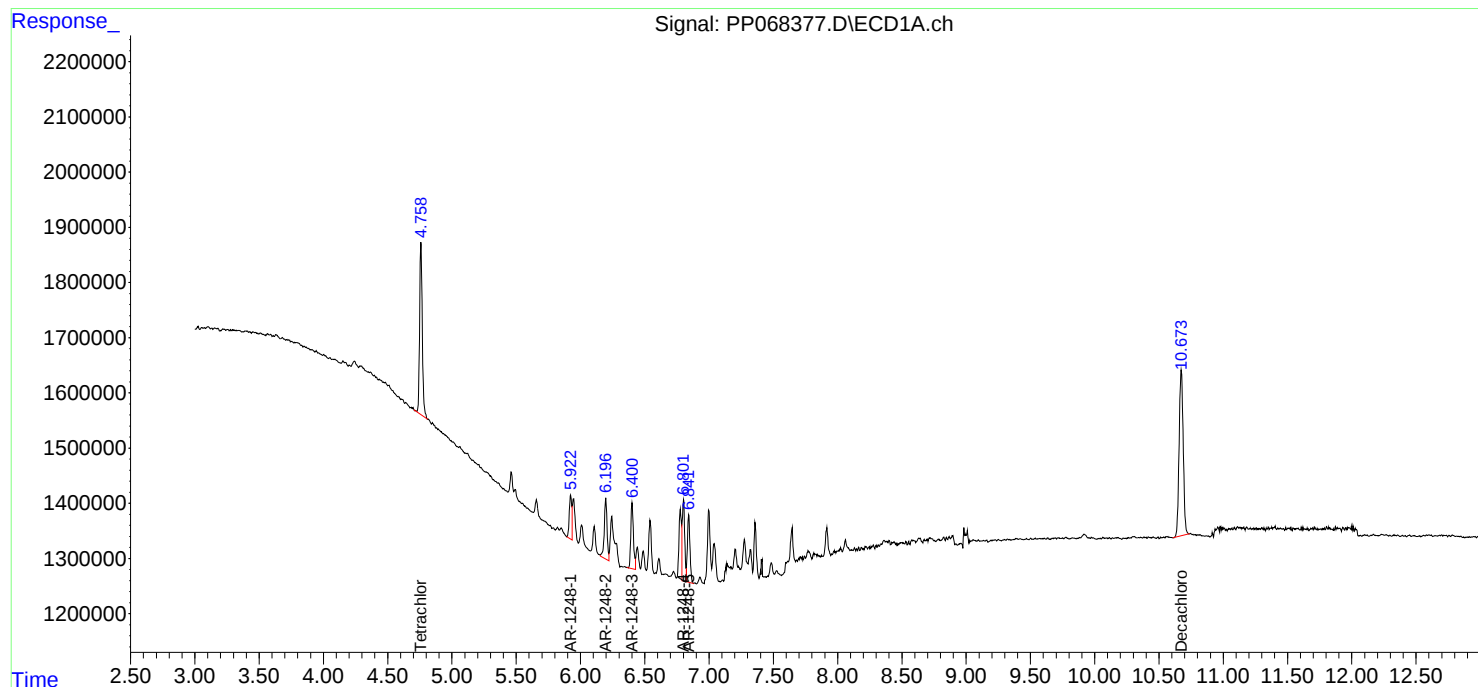
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068377.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 07:07
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: Nov 08 07:23:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 07:22:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068378.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 07:23
 Operator : YP\AJ
 Sample : AR1254ICC1000
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC1000

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 09:53:19 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 09:47:38 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.757	4.050	98906691	98166081	99.647	98.675
2) SA Decachlor...	10.669	9.208	118.4E6	110.1E6	95.937	95.442
Target Compounds						
26) L6 AR-1254-1	6.774	5.972	45656926	54665587	938.538m	948.417
27) L6 AR-1254-2	6.993	6.118	61419018	47820782	968.856	948.634
28) L6 AR-1254-3	7.358	6.528	65006662	78076384	973.954	965.144
29) L6 AR-1254-4	7.640	6.756	47495422	45870471	969.884	964.598
30) L6 AR-1254-5	8.057	7.178	57629379	70292397	967.480m	976.325

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068378.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 07:23
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

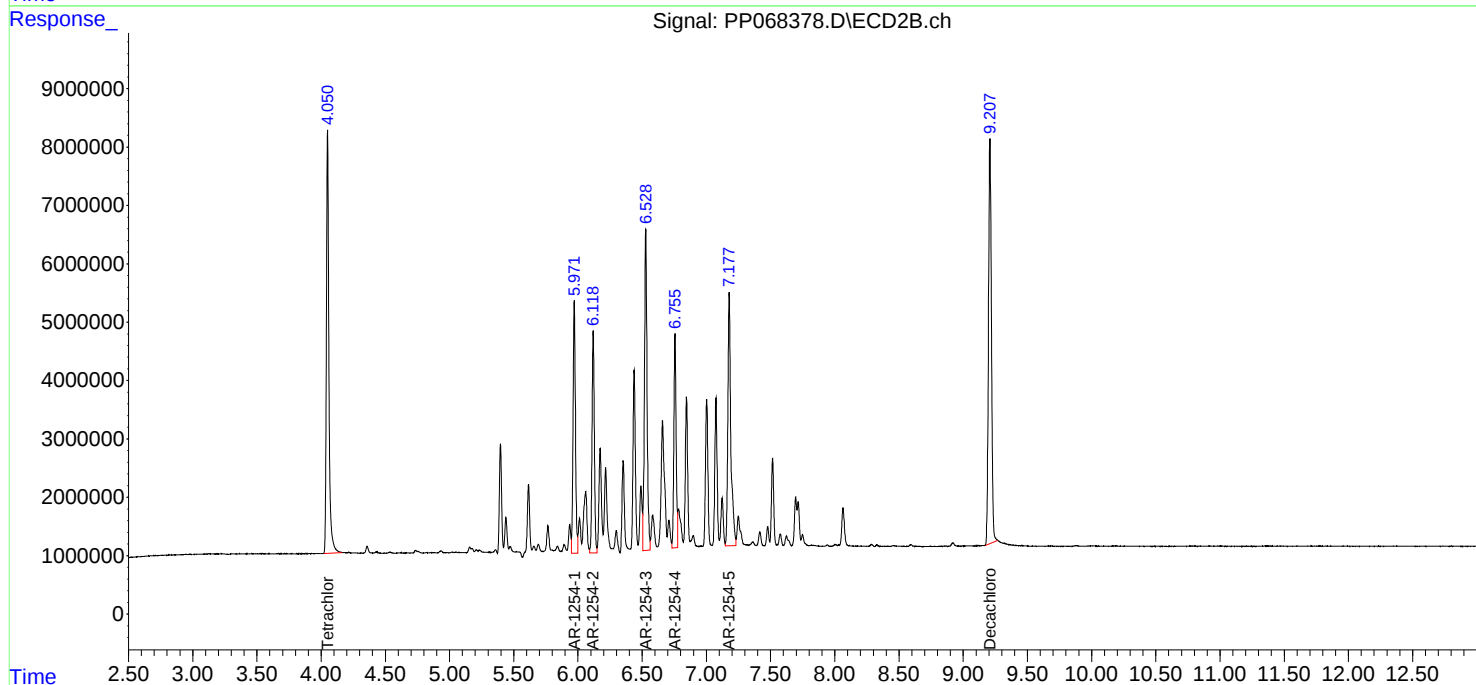
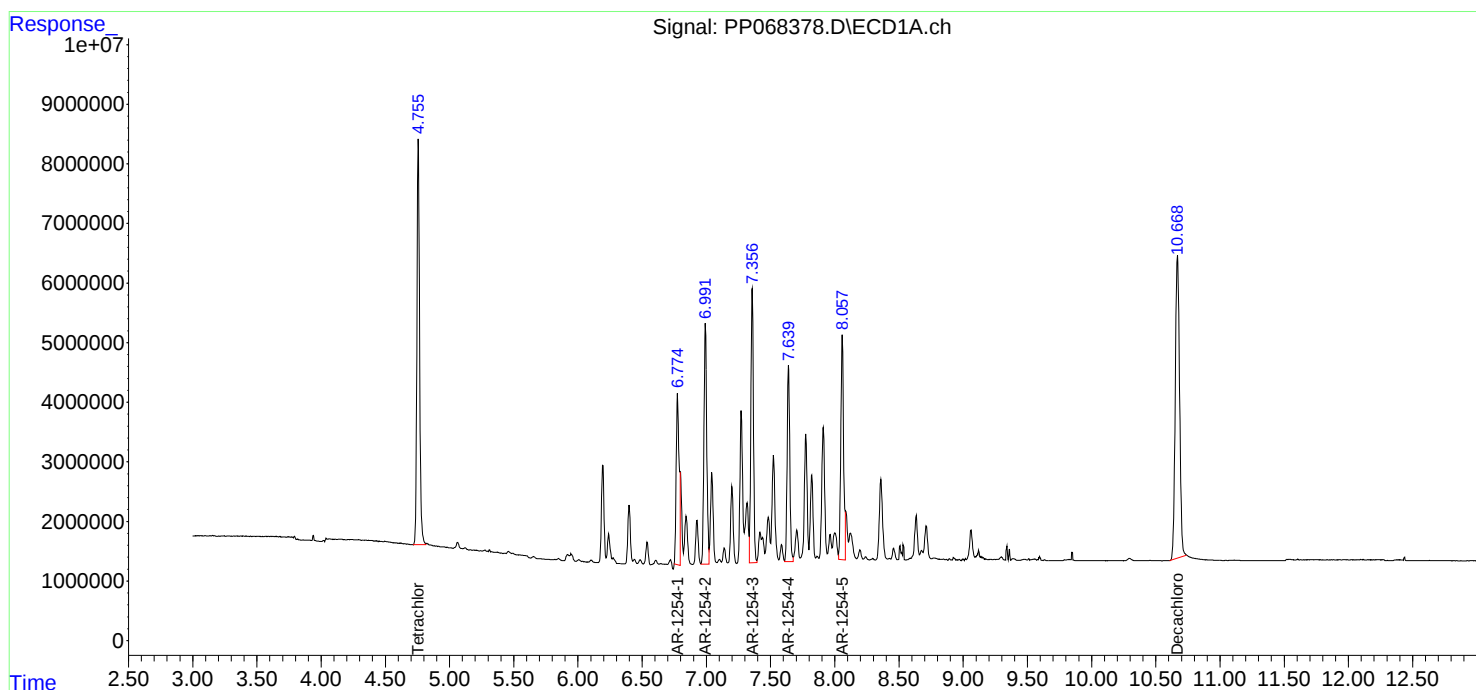
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 09:53:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 09:47:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068379.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 07:39
 Operator : YP\AJ
 Sample : AR1254ICC750
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC750

Manual Integrations
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Reviewed By :Yogesh Patel 11/11/2024
 Supervised By :Ankita Jodhani 11/11/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 09:56:22 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 09:47:38 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.758	4.051	73138766	72824240	74.119	73.792
2) SA Decachlor...	10.672	9.210	90848573	84413757	74.072	73.757
Target Compounds						
26) L6 AR-1254-1	6.776	5.973	34778088	43052180	739.472m	747.951
27) L6 AR-1254-2	6.995	6.120	46567486	37049264	739.649	739.903
28) L6 AR-1254-3	7.359	6.529	49804825	59696040	747.459	741.913
29) L6 AR-1254-4	7.642	6.757	36562831	35361668	747.753	745.729
30) L6 AR-1254-5	8.060	7.178	43554556	53183280	738.602	742.421

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068379.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 07:39
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

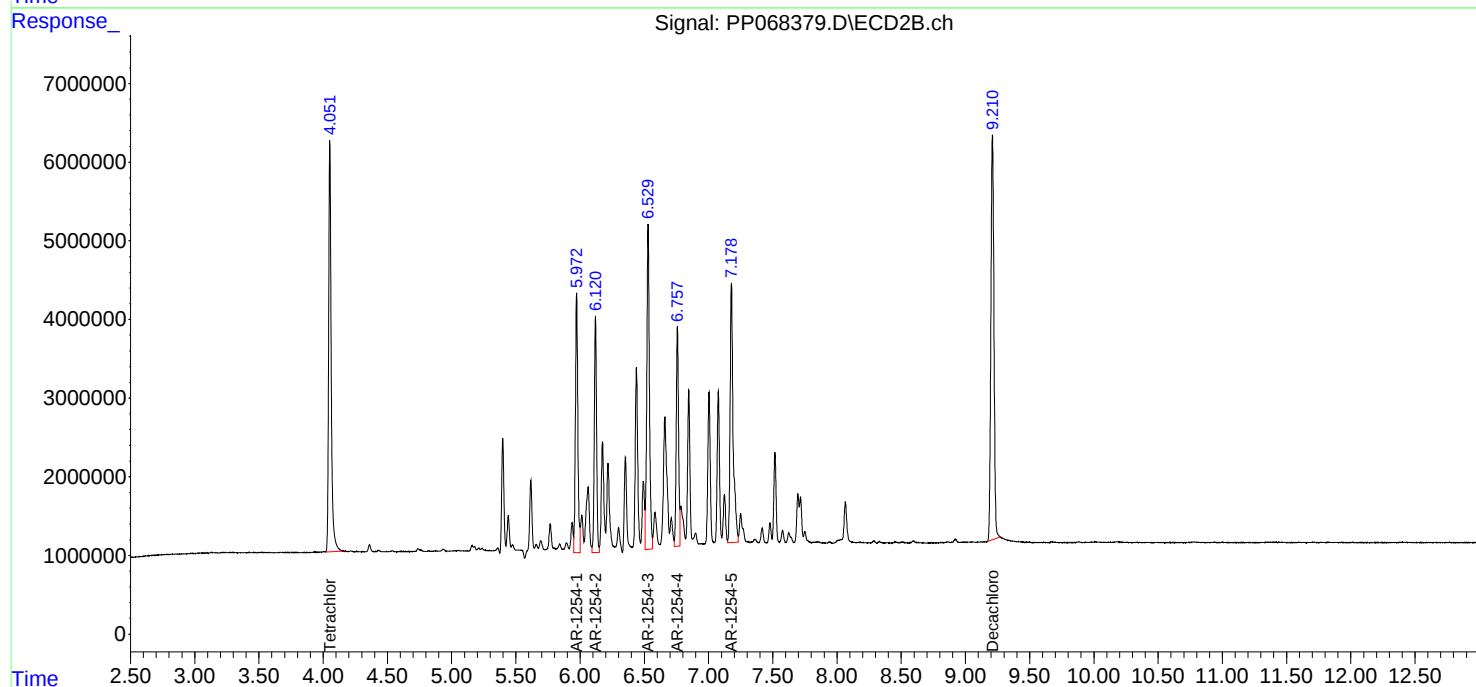
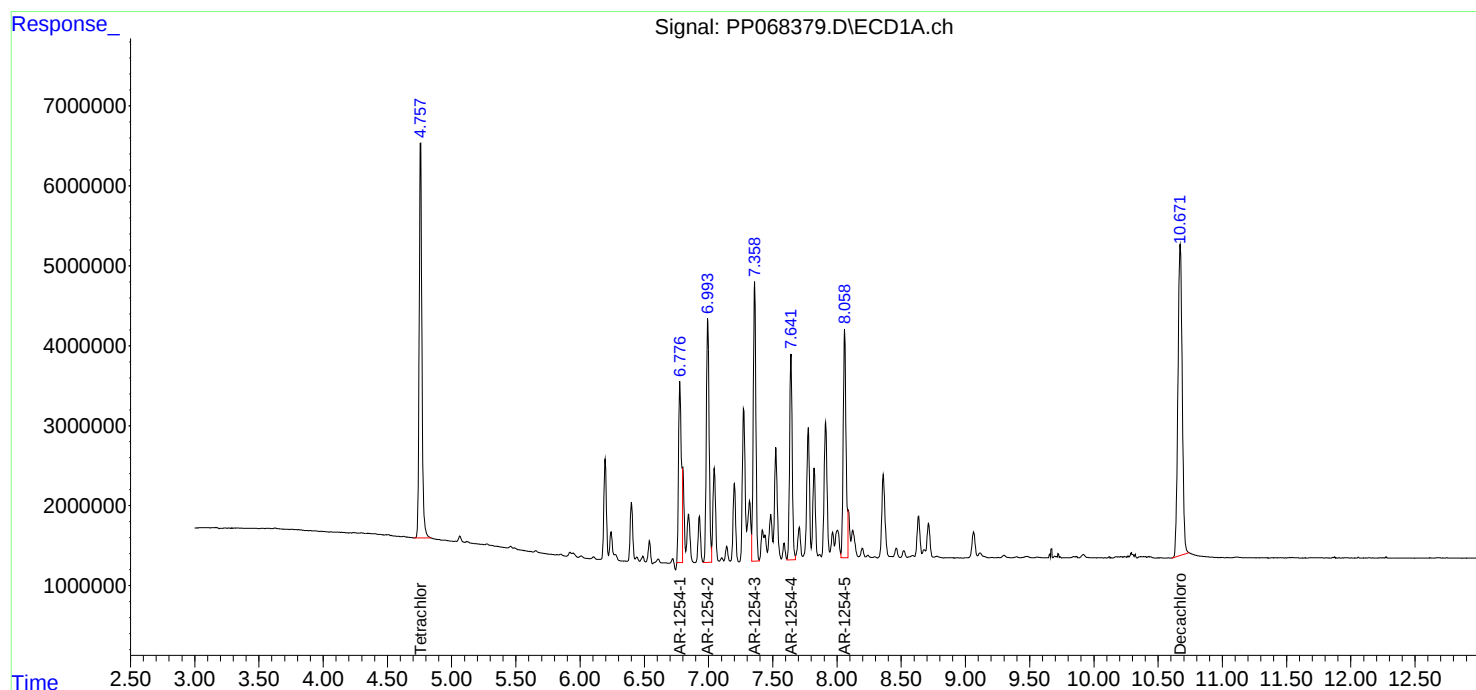
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations
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Reviewed By :Yogesh Patel 11/11/2024
Supervised By :Ankita Jodhani 11/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 09:56:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 09:47:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068380.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 07:56
 Operator : YP\AJ
 Sample : AR1254ICC500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC500

Manual Integrations
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Reviewed By :Yogesh Patel 11/11/2024
 Supervised By :Ankita Jodhani 11/11/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 09:49:12 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 09:47:38 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.760	4.050	49803816	50400916	50.000	50.000
2) SA Decachlor...	10.673	9.208	64210545	60328289	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	6.779	5.972	24295854	30305971	505.197m	500.000
27) L6 AR-1254-2	6.997	6.119	32683808	26499770	500.000	500.000
28) L6 AR-1254-3	7.361	6.528	34241792	41857886	500.000	500.000
29) L6 AR-1254-4	7.644	6.756	25222520	24618732	500.000	500.000
30) L6 AR-1254-5	8.060	7.178	30602299	36850719	499.003m	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068380.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 07:56
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

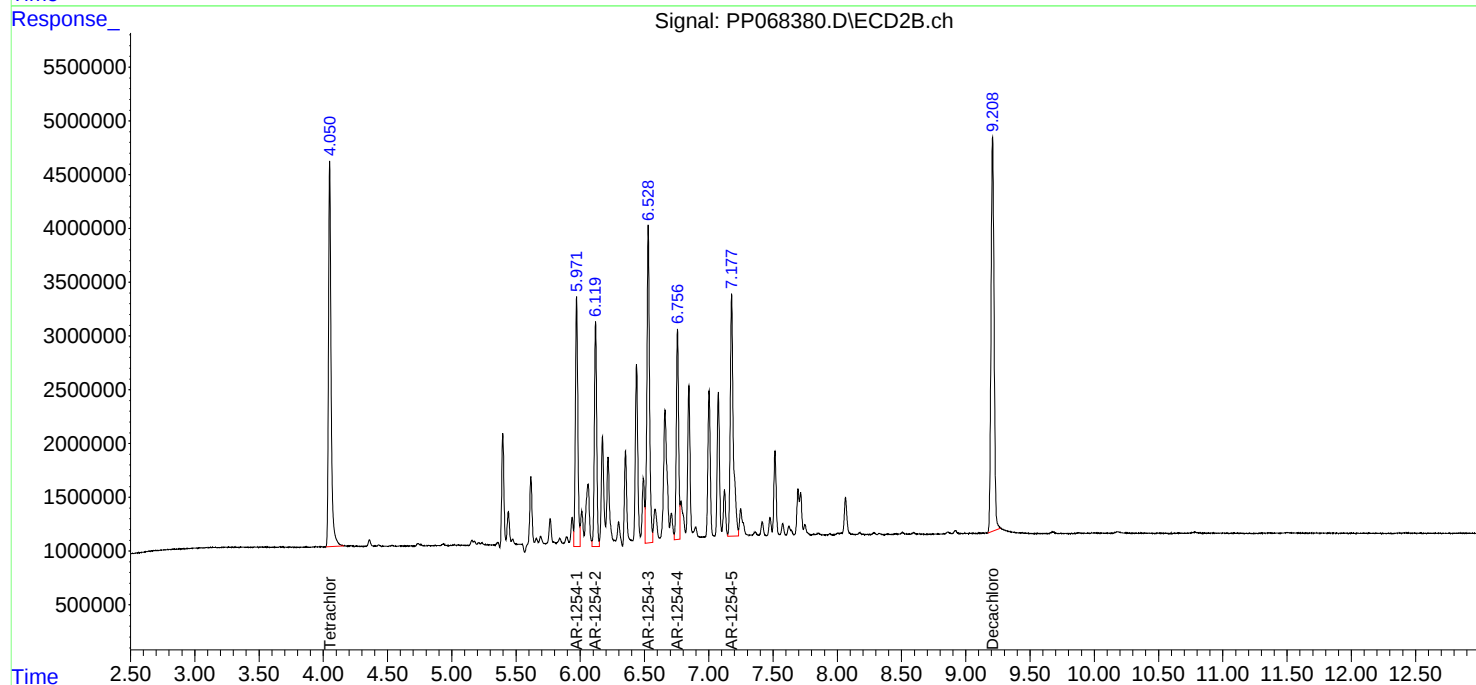
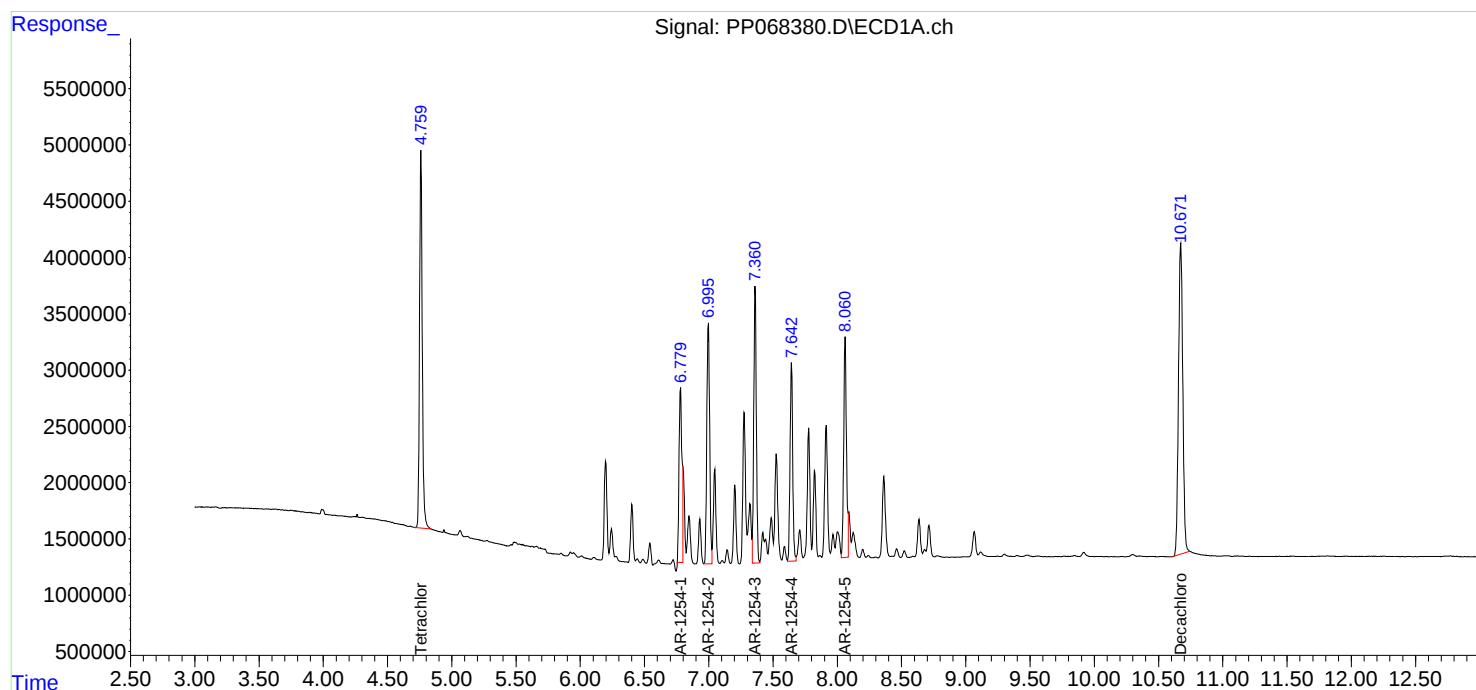
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Manual Integrations
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Reviewed By :Yogesh Patel 11/11/2024
Supervised By :Ankita Jodhani 11/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 09:49:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 09:47:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068381.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 08:12
 Operator : YP\AJ
 Sample : AR1254ICC250
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC250

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 10:00:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 09:47:38 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.756	4.050	25527214	25969085	25.646	25.973
2) SA Decachlor...	10.669	9.208	34770940	31662767	27.431	26.947
Target Compounds						
26) L6 AR-1254-1	6.774	5.972	13849654	17726243	281.303m	291.089
27) L6 AR-1254-2	6.992	6.119	18308771	15268489	279.404	289.048
28) L6 AR-1254-3	7.357	6.528	19166837	23028807	277.214	276.206
29) L6 AR-1254-4	7.640	6.756	14778004	13374714	287.226	273.294
30) L6 AR-1254-5	8.057	7.177	17343860	19103933	283.902m	262.308

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068381.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 08:12
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

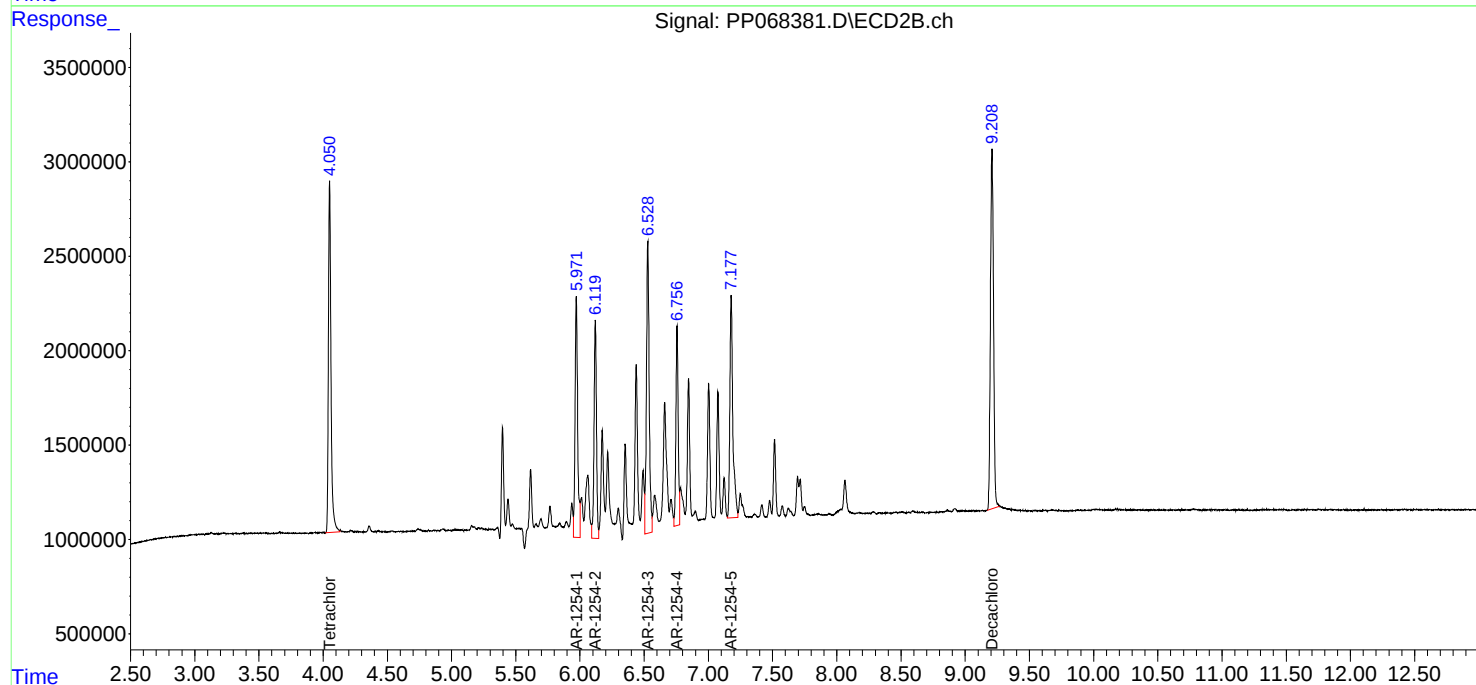
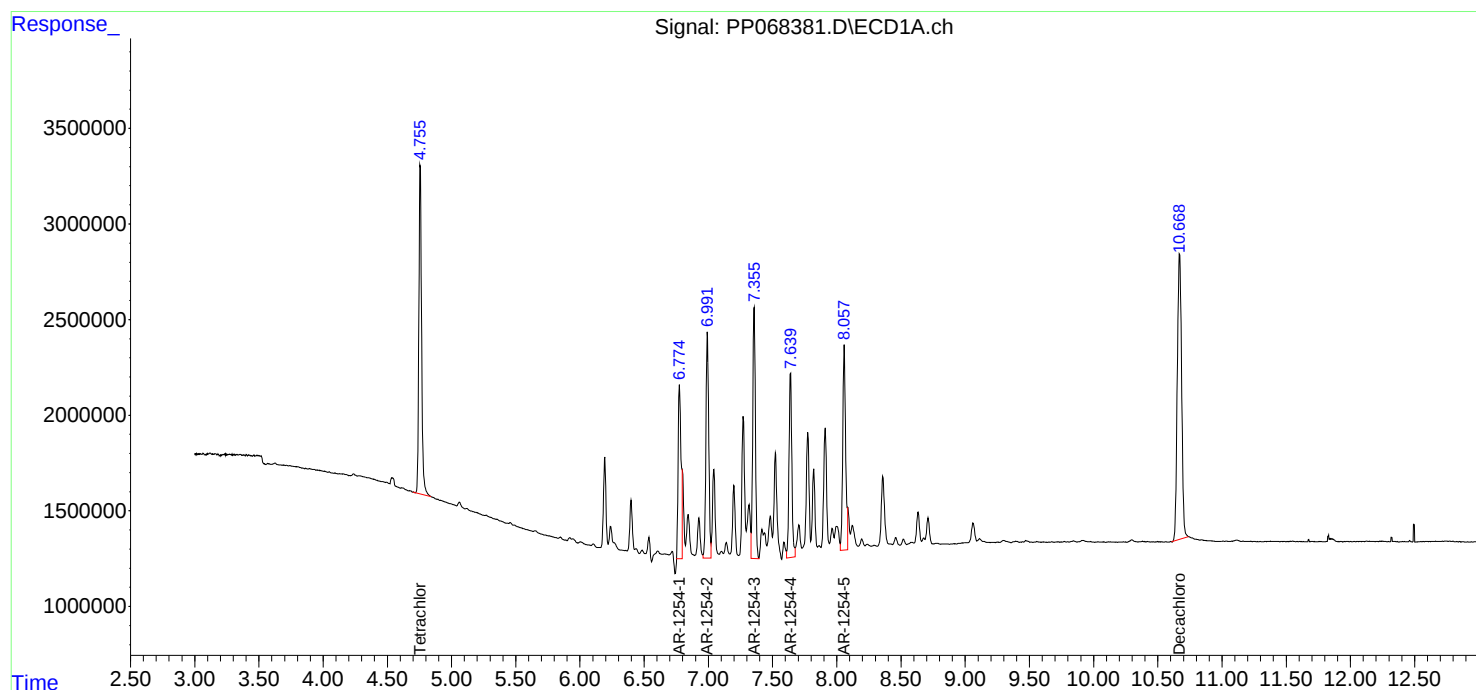
Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 10:00:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 09:47:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068382.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 08:28
 Operator : YP\AJ
 Sample : AR1254ICC050
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC050

Manual Integrations
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Reviewed By :Yogesh Patel 11/11/2024
 Supervised By :Ankita Jodhani 11/11/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 10:04:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 09:47:38 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.756	4.050	4943066	4296426	4.973	4.421
2) SA Decachlor...	10.672	9.209	6884954	6394579	5.339	5.348
Target Compounds						
26) L6 AR-1254-1	6.774	5.972	3170700	2981204	60.578m	48.976m
27) L6 AR-1254-2	6.993	6.119	3953788	2619164	57.942	49.500m
28) L6 AR-1254-3	7.356	6.528	4036302	4140204	56.942m	50.021m
29) L6 AR-1254-4	7.640	6.756	3163428	2369114	58.327m	49.154m
30) L6 AR-1254-5	8.057	7.178	3352572	4092382	53.414m	54.833

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068382.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 08:28
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

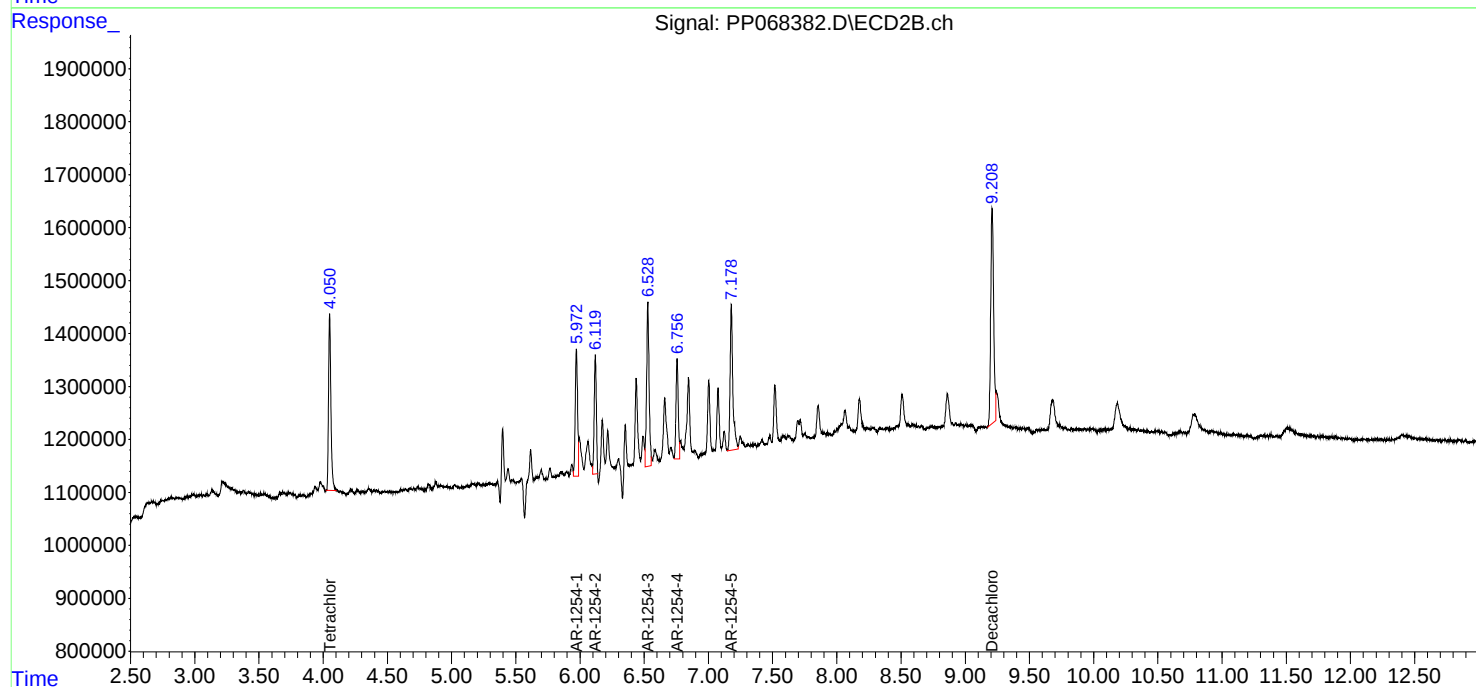
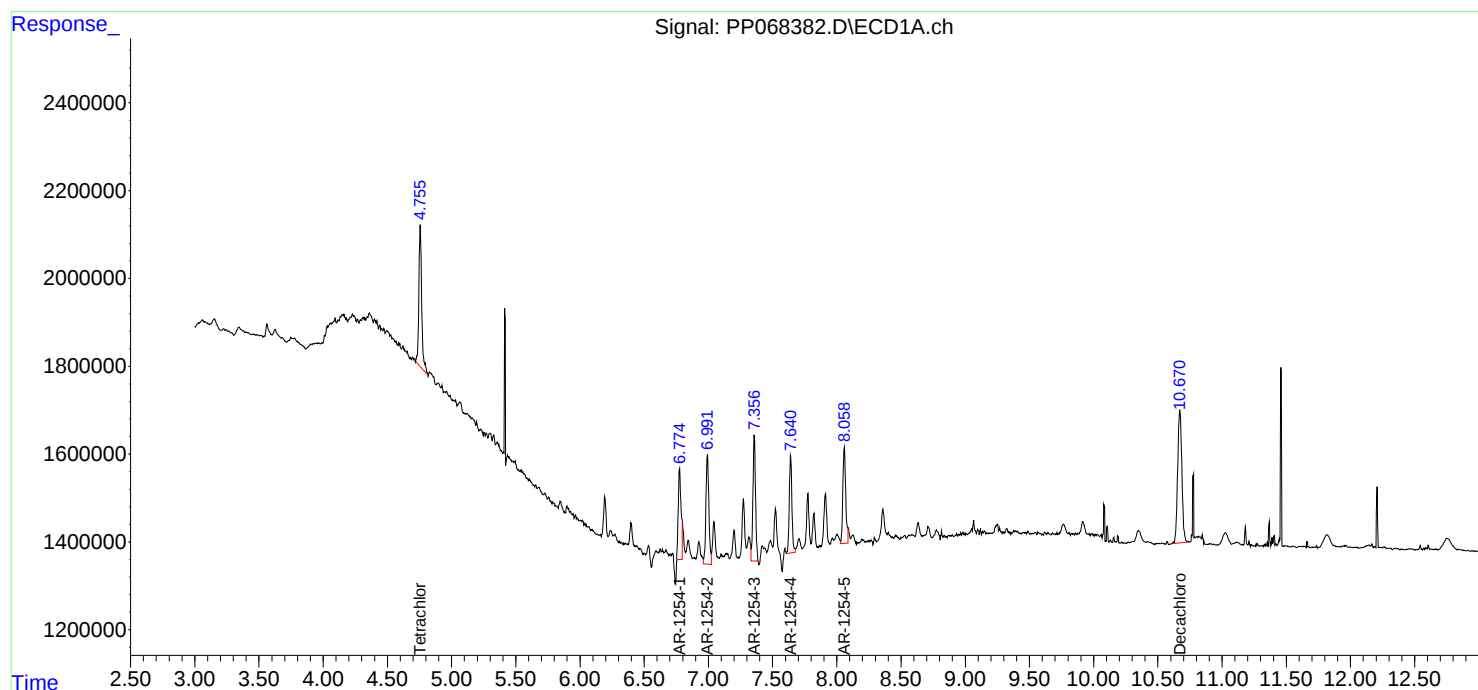
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations
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Reviewed By :Yogesh Patel 11/11/2024
Supervised By :Ankita Jodhani 11/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 10:04:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 09:47:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068383.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 08:45
 Operator : YP\AJ
 Sample : AR1262ICC500
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1262ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 10:09:55 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 10:09:40 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.760	4.050	53683600	49761608	50.000	50.000
2) SA Decachlor...	10.672	9.207	64321936	57930967	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	8.379	7.214	37066426	38798254	500.000	500.000
37) L8 AR-1262-2	8.714	7.475	64499322	35347289	500.000	500.000
38) L8 AR-1262-3	9.054	8.001	47840523	29423736	500.000	500.000
39) L8 AR-1262-4	9.146	8.064	38193396	51800808	500.000	500.000
40) L8 AR-1262-5	9.847	8.591	26741416	25345673	500.000	500.000

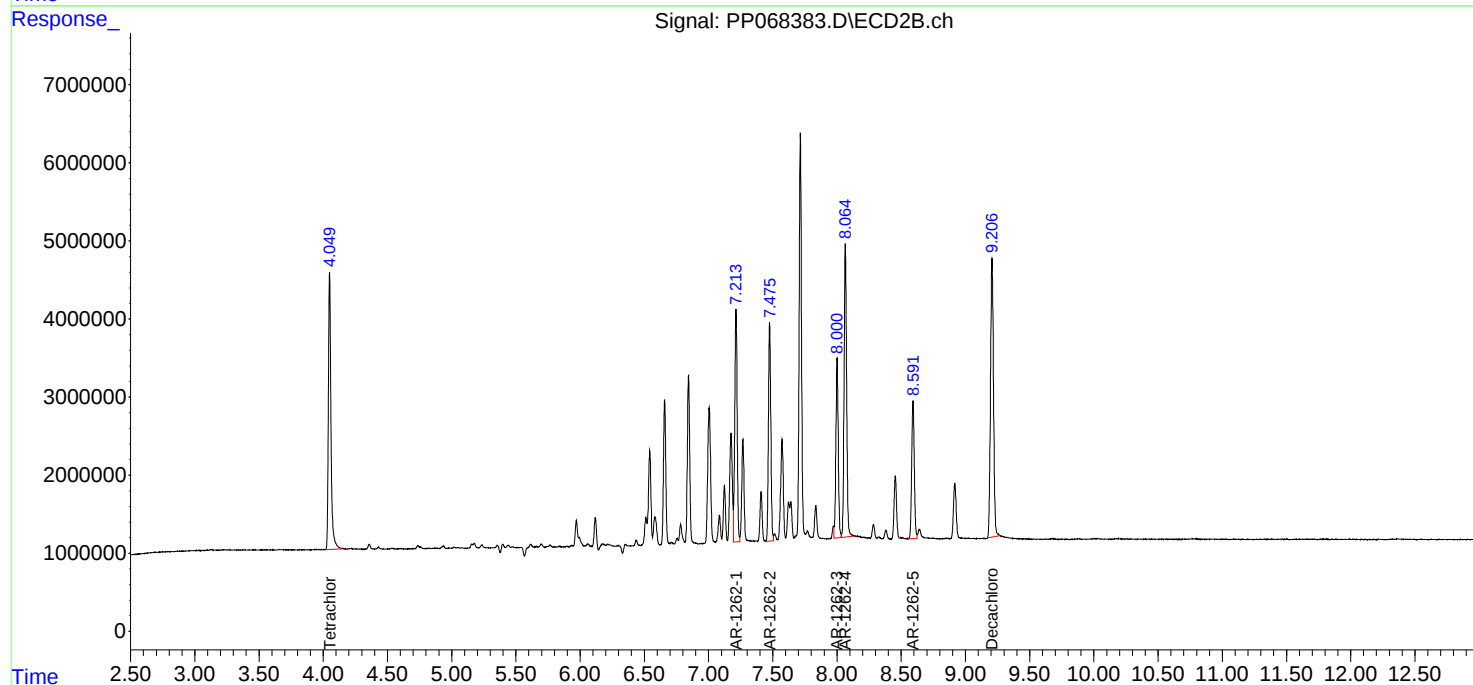
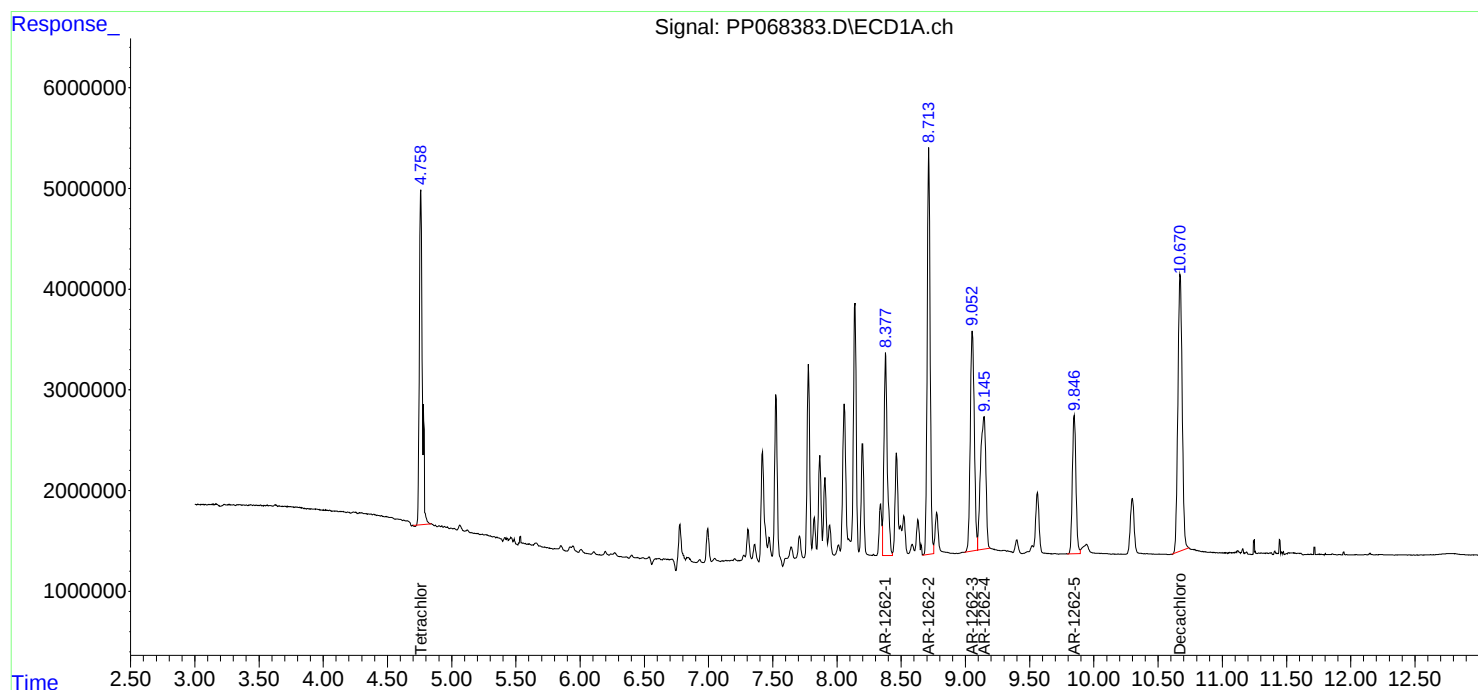
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068383.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 08:45
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 10:09:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 10:09:40 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068384.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 09:01
 Operator : YP\AJ
 Sample : AR1268ICC1000
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC1000

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 10:15:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 10:12:44 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.755	4.050	99980200	97346974	97.667	98.541
2) SA Decachlor...	10.667	9.207	194.9E6	182.2E6	96.595	97.507
Target Compounds						
41) L9 AR-1268-1	9.045	8.001	148.6E6	151.3E6	972.887m	983.758
42) L9 AR-1268-2	9.146	8.066	135.1E6	137.7E6	969.186	981.952
43) L9 AR-1268-3	9.395	8.285	121.1E6	120.3E6	979.173m	977.216
44) L9 AR-1268-4	9.843	8.592	55813556	53869021	983.009	969.445
45) L9 AR-1268-5	10.294	8.918	385.9E6	373.7E6	981.087	989.050

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068384.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 09:01
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

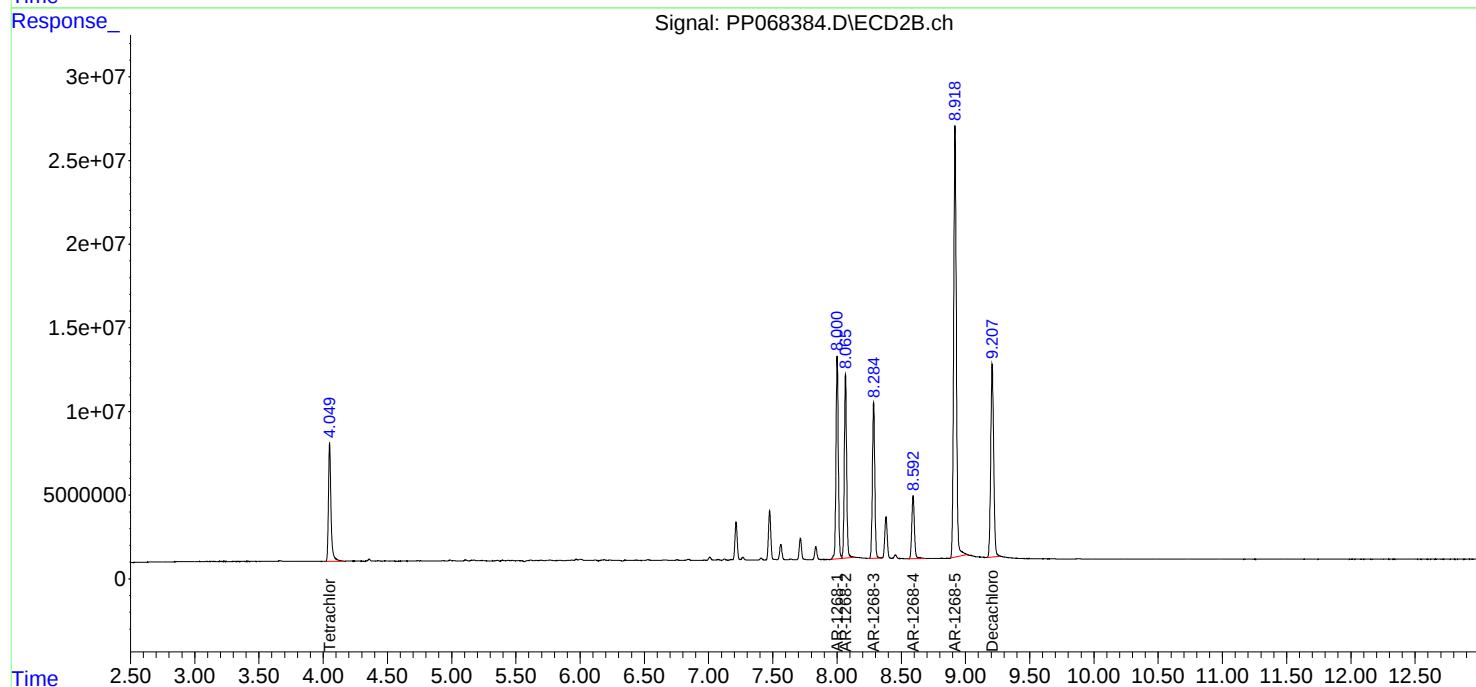
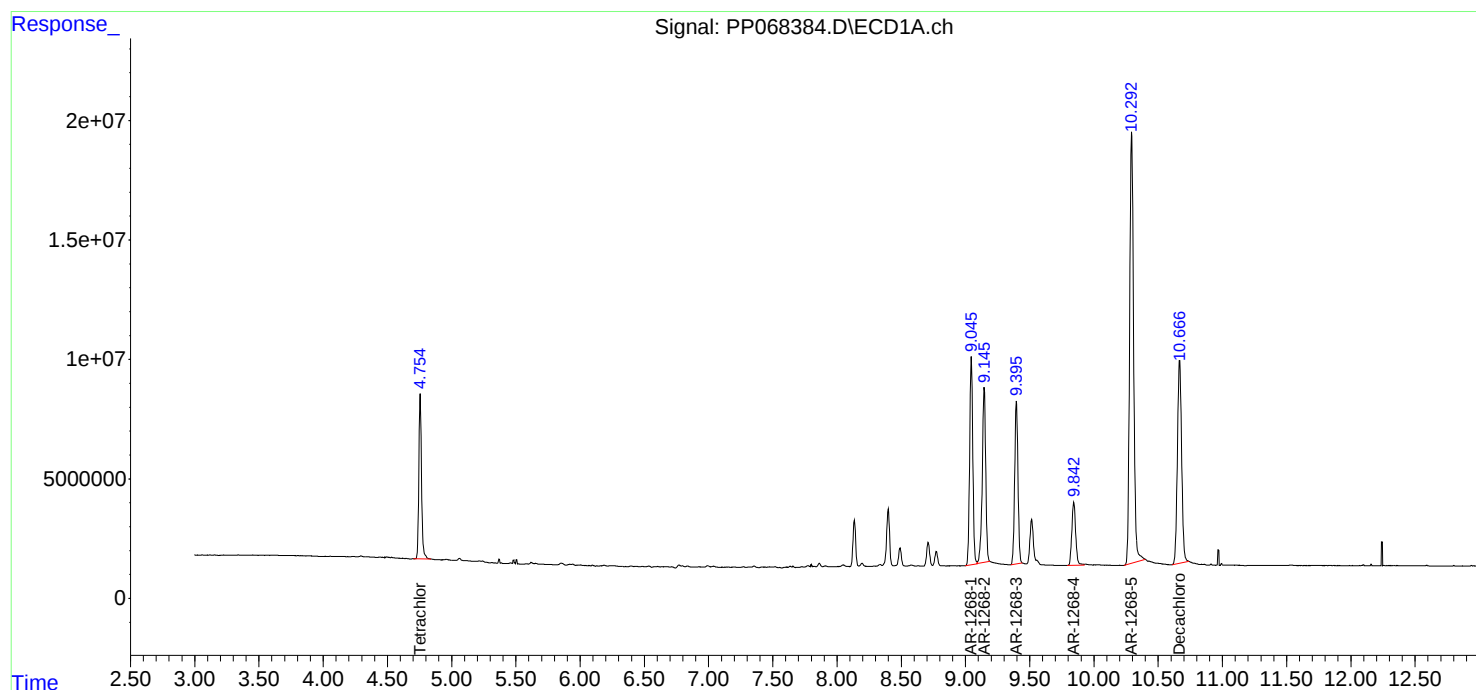
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 10:15:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 10:12:44 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068385.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 09:17
 Operator : YP\AJ
 Sample : AR1268ICC750
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC750

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 10:18:04 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 10:12:44 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.759	4.050	73623477	72510942	72.918	73.926
2) SA Decachlor...	10.672	9.208	146.7E6	139.8E6	73.456	74.853
Target Compounds						
41) L9 AR-1268-1	9.049	8.001	111.8E6	115.0E6	738.150m	748.529
42) L9 AR-1268-2	9.150	8.066	101.9E6	104.6E6	736.936	747.332
43) L9 AR-1268-3	9.399	8.285	91495085	91785879	743.090m	747.049
44) L9 AR-1268-4	9.848	8.592	40875359	41388287	729.669	746.550
45) L9 AR-1268-5	10.300	8.918	289.5E6	282.6E6	740.634	748.714

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068385.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 09:17
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

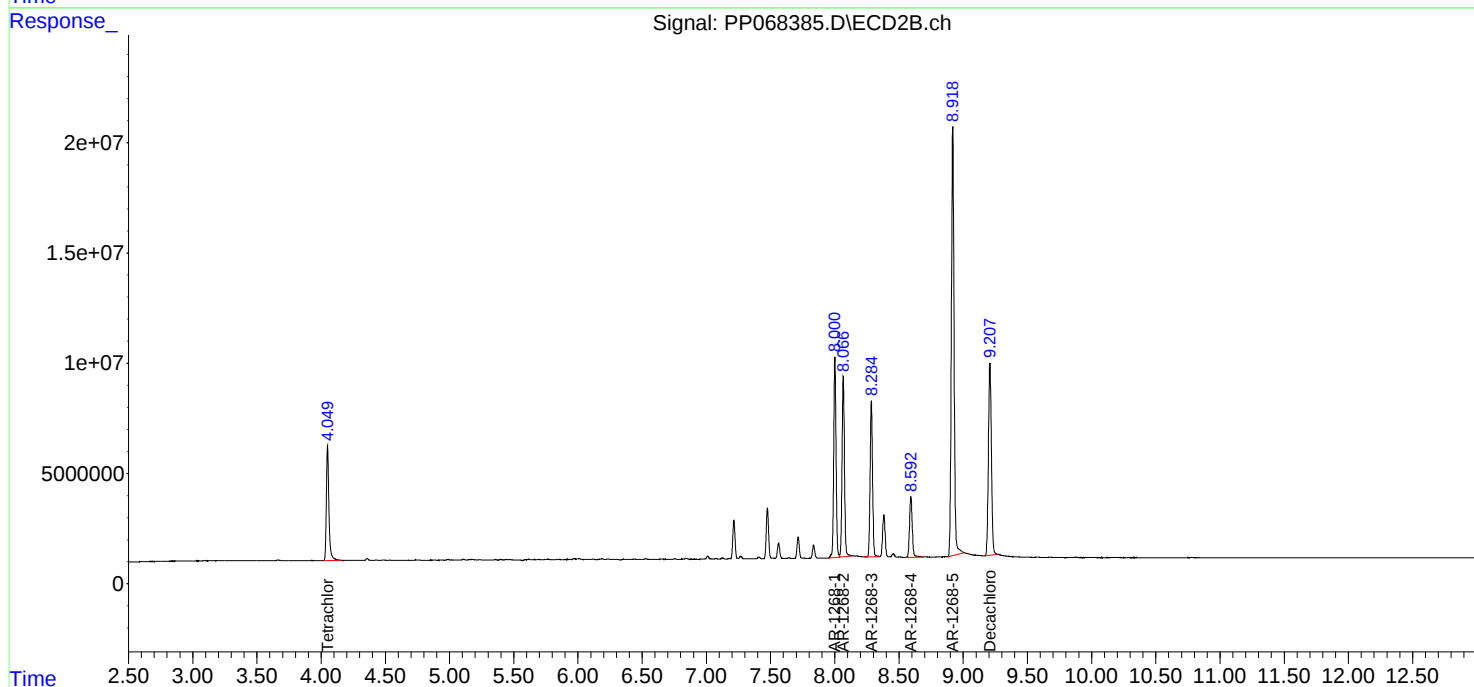
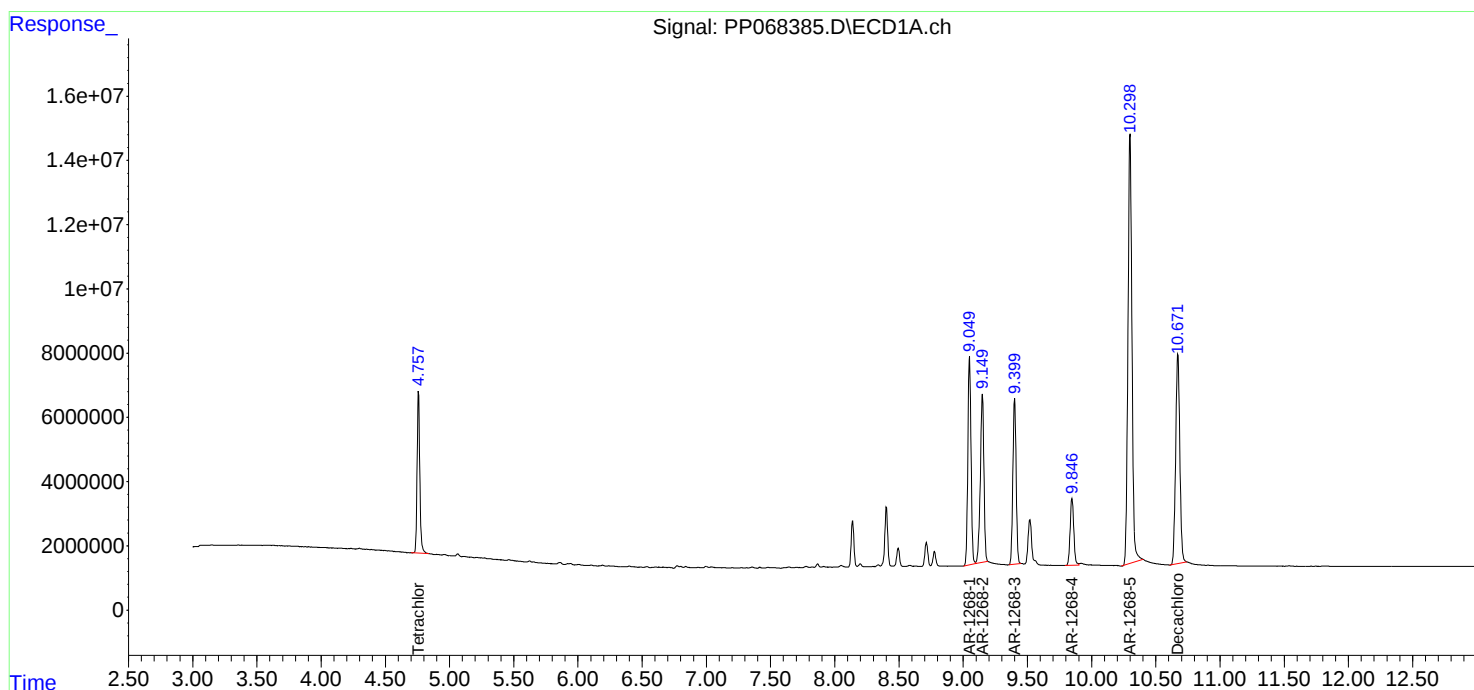
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 10:18:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 10:12:44 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068386.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 09:34
 Operator : YP\AJ
 Sample : AR1268ICC500
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 10:12:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 10:12:44 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.757	4.050	52377958	50114718	50.000	50.000
2) SA Decachlor...	10.669	9.208	104.3E6	95782938	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	9.048	8.001	78477087	78131406	500.000	500.000
42) L9 AR-1268-2	9.147	8.067	71859787	71402954	500.000	500.000
43) L9 AR-1268-3	9.398	8.285	63189213	62955533	500.000	500.000
44) L9 AR-1268-4	9.845	8.593	28871509	28632352	500.000	500.000
45) L9 AR-1268-5	10.297	8.919	200.4E6	191.0E6	500.000	500.000

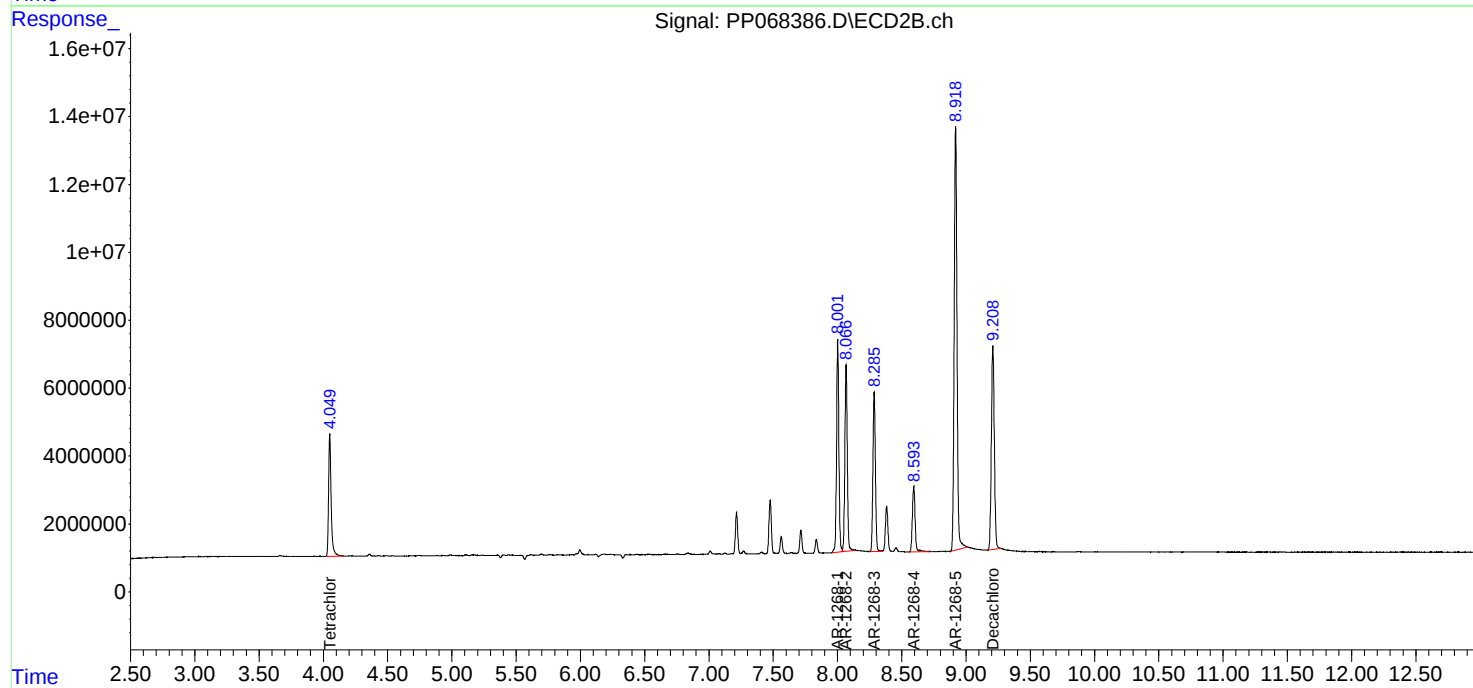
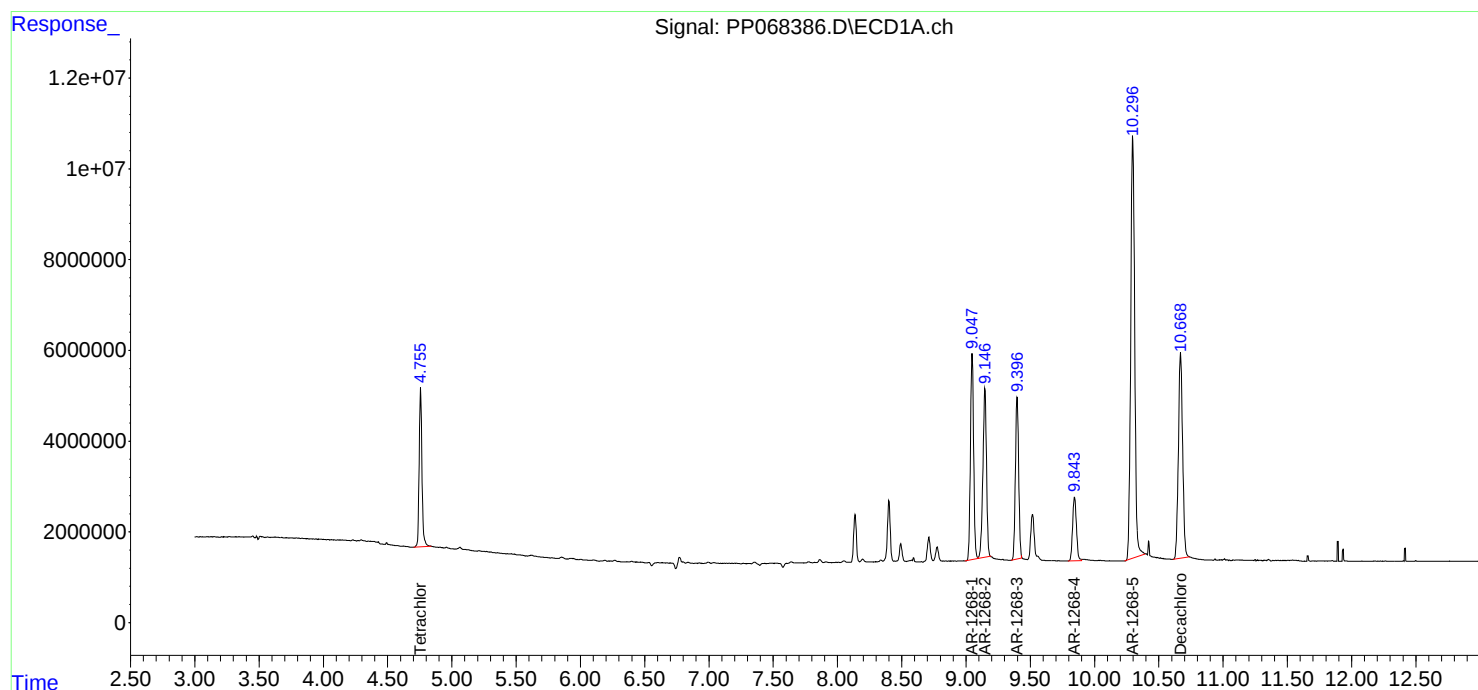
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068386.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 09:34
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 10:12:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 10:12:44 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068387.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 09:50
 Operator : YP\AJ
 Sample : AR1268ICC250
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC250

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 10:20:43 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 10:12:44 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.758	4.048	24716059	25561394	24.607	25.787
2) SA Decachlor...	10.671	9.206	56279615	51296322	27.309	26.809
Target Compounds						
41) L9 AR-1268-1	9.048	8.001	41458842	40939644	267.233m	262.180
42) L9 AR-1268-2	9.149	8.065	37763648	37154972	267.016	261.335
43) L9 AR-1268-3	9.398	8.284	34455564	32866076	271.833m	262.898
44) L9 AR-1268-4	9.845	8.592	15148086	14405127	265.001	257.305
45) L9 AR-1268-5	10.299	8.917	106.2E6	96887509	265.903	254.969

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068387.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 09:50
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

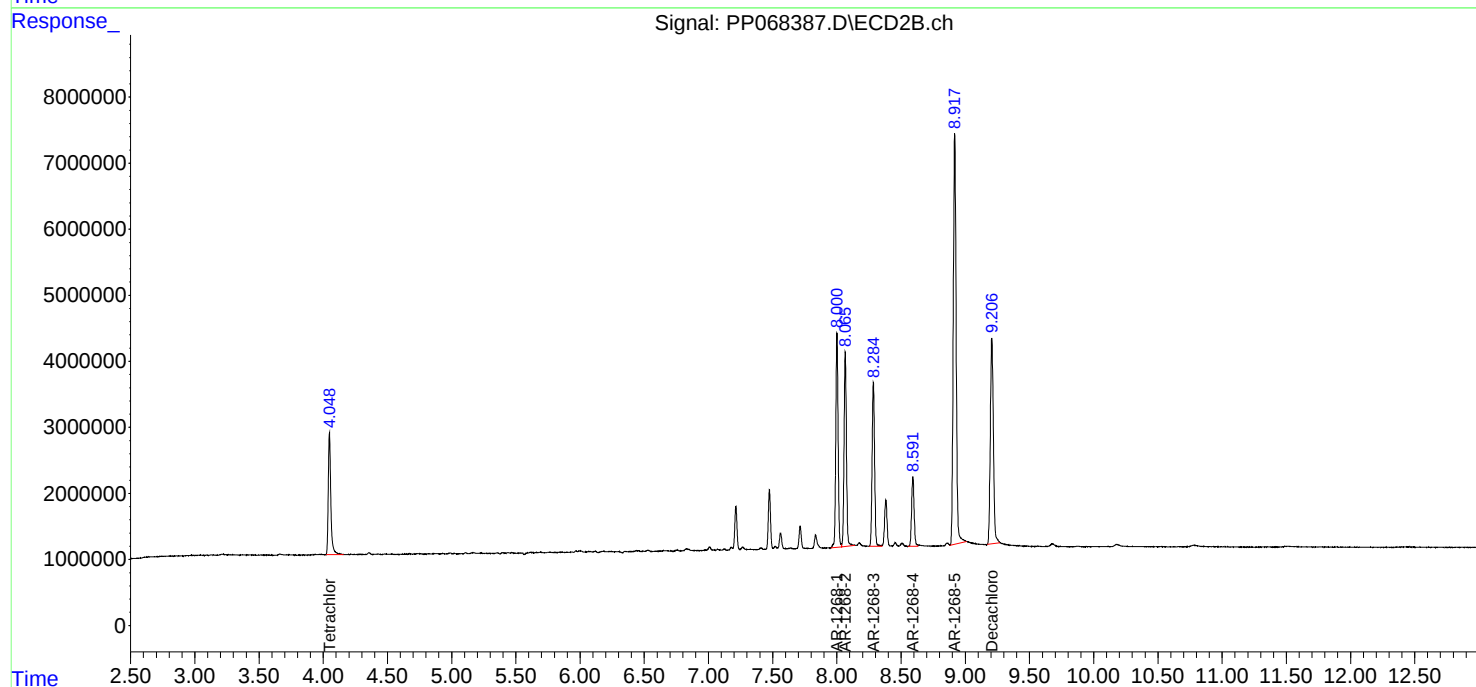
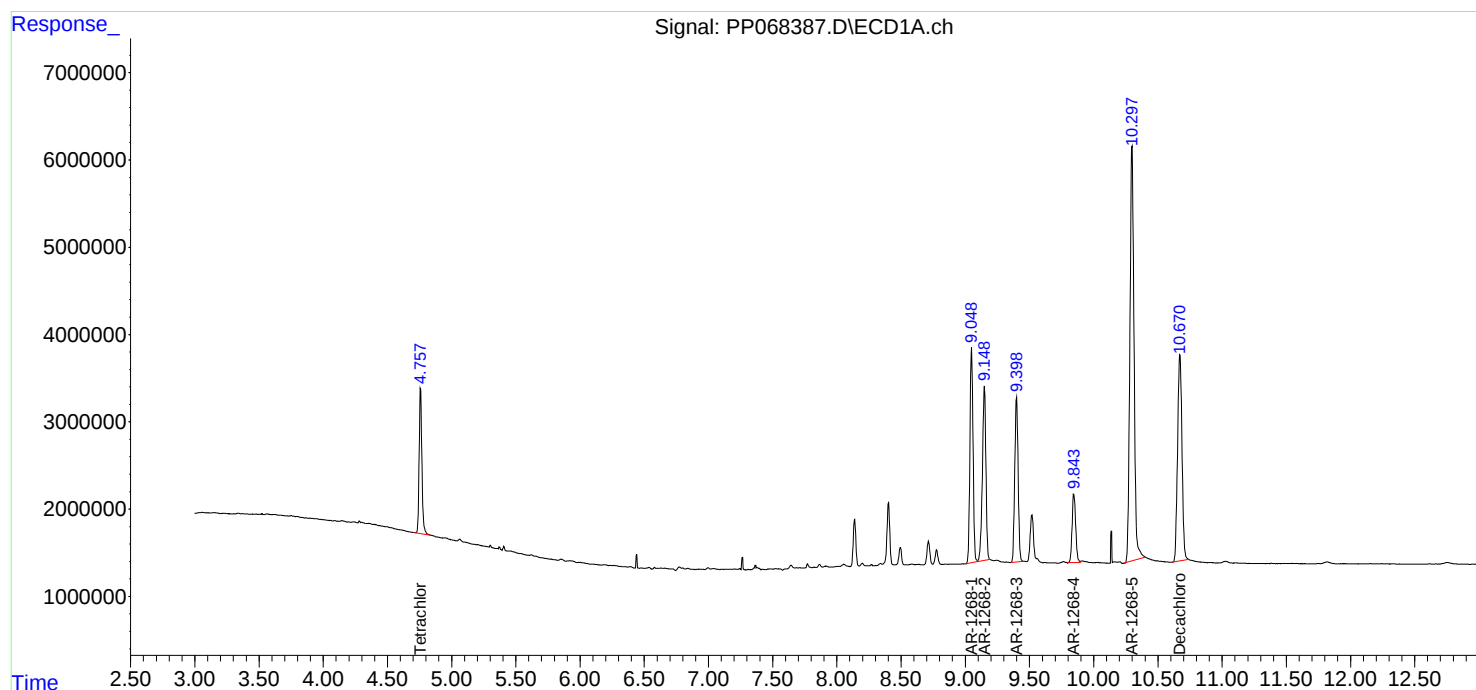
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 10:20:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 10:12:44 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
 Data File : PP068388.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 10:39
 Operator : YP\AJ
 Sample : AR1268ICC050
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC050

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 10:56:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 10:55:56 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.756	4.049	4157021	4376664	4.286	4.521
2) SA Decachlor...	10.670	9.209	10314920	10005265	5.004	5.182
Target Compounds						
41) L9 AR-1268-1	9.047	8.002	7553361	7702391	48.948m	49.460
42) L9 AR-1268-2	9.147	8.066	6711092	6954961	47.941	49.131
43) L9 AR-1268-3	9.398	8.285	6048928	6125782	48.142	49.197
44) L9 AR-1268-4	9.844	8.593	1926684	2454152	35.958m	44.944
45) L9 AR-1268-5	10.297	8.920	19376455	18144214	48.811	48.182

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068388.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 10:39
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

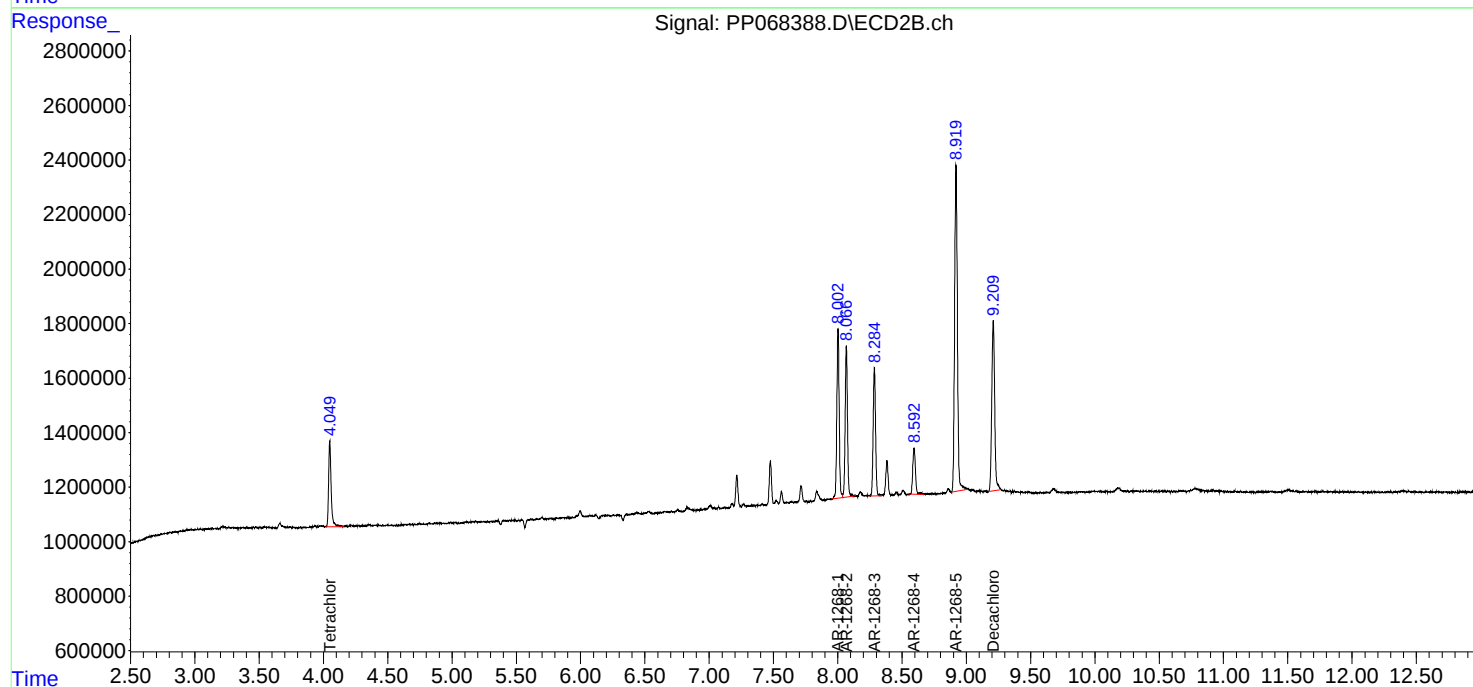
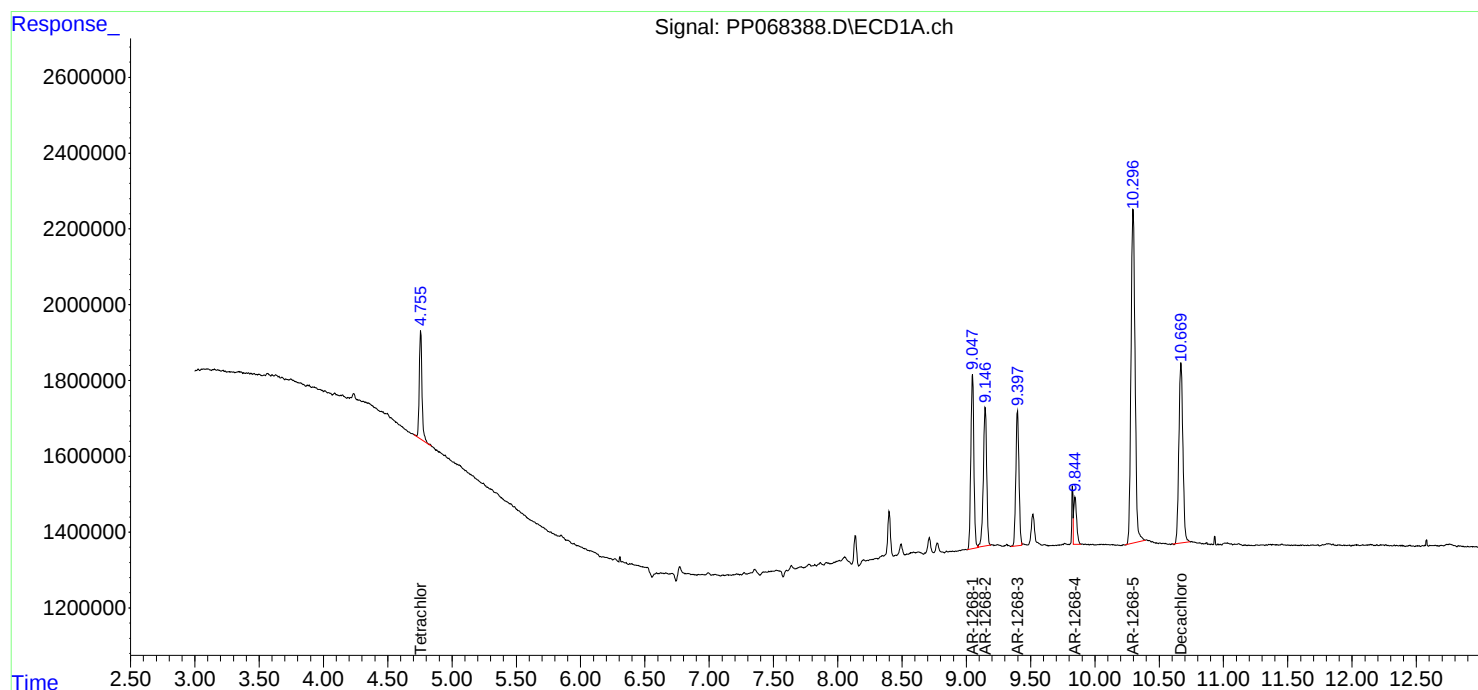
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 10:56:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 10:55:56 2024
Response via : 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\PP110724\
 Data File : PP068389.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 10:55
 Operator : YP\AJ
 Sample : PP110724ICV500
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP110724

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 11:09:04 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 11:04:08 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.760	4.050	49004186	50056688	50.488	51.696
2) SA Decachlor...	10.674	9.208	62709763	57965421	50.108	51.243
Target Compounds						
3) L1 AR-1016-1	5.924	5.158	17775657	16786378	494.646	507.953
4) L1 AR-1016-2	5.947	5.178	26141826	23540869	493.705	503.628
5) L1 AR-1016-3	6.010	5.358	16524057	13232802	499.088	489.375
6) L1 AR-1016-4	6.108	5.397	13340604	11791046	507.593	499.727
7) L1 AR-1016-5	6.402	5.616	13764243	14955338	487.955	504.529
31) L7 AR-1260-1	7.525	6.659	26825477	27348225	495.812	491.442
32) L7 AR-1260-2	7.779	6.846	31517726	32270778	495.477	487.211
33) L7 AR-1260-3	8.140	7.004	26454192	30459045	491.787	492.137
34) L7 AR-1260-4	8.378	7.478	30546748	27029925	490.884	512.542
35) L7 AR-1260-5	8.716	7.716	55319213	59679497	488.753	501.188

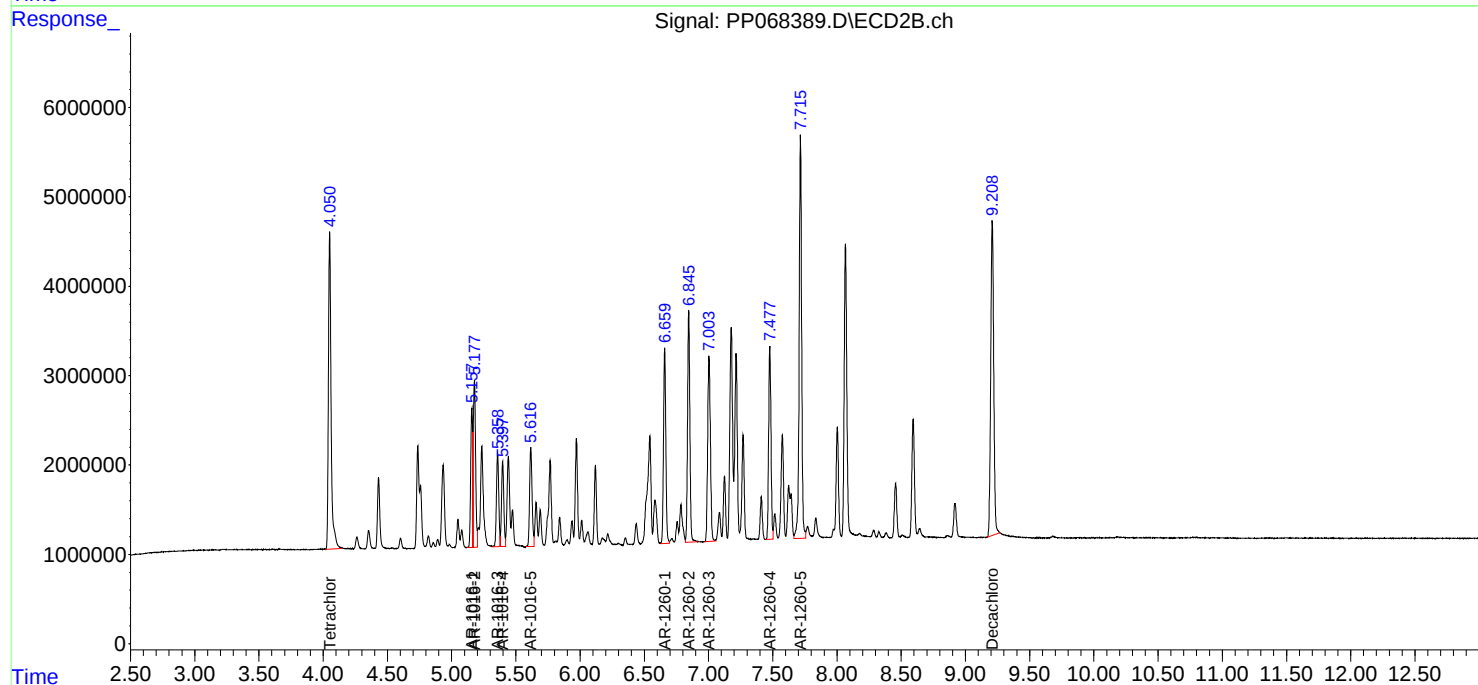
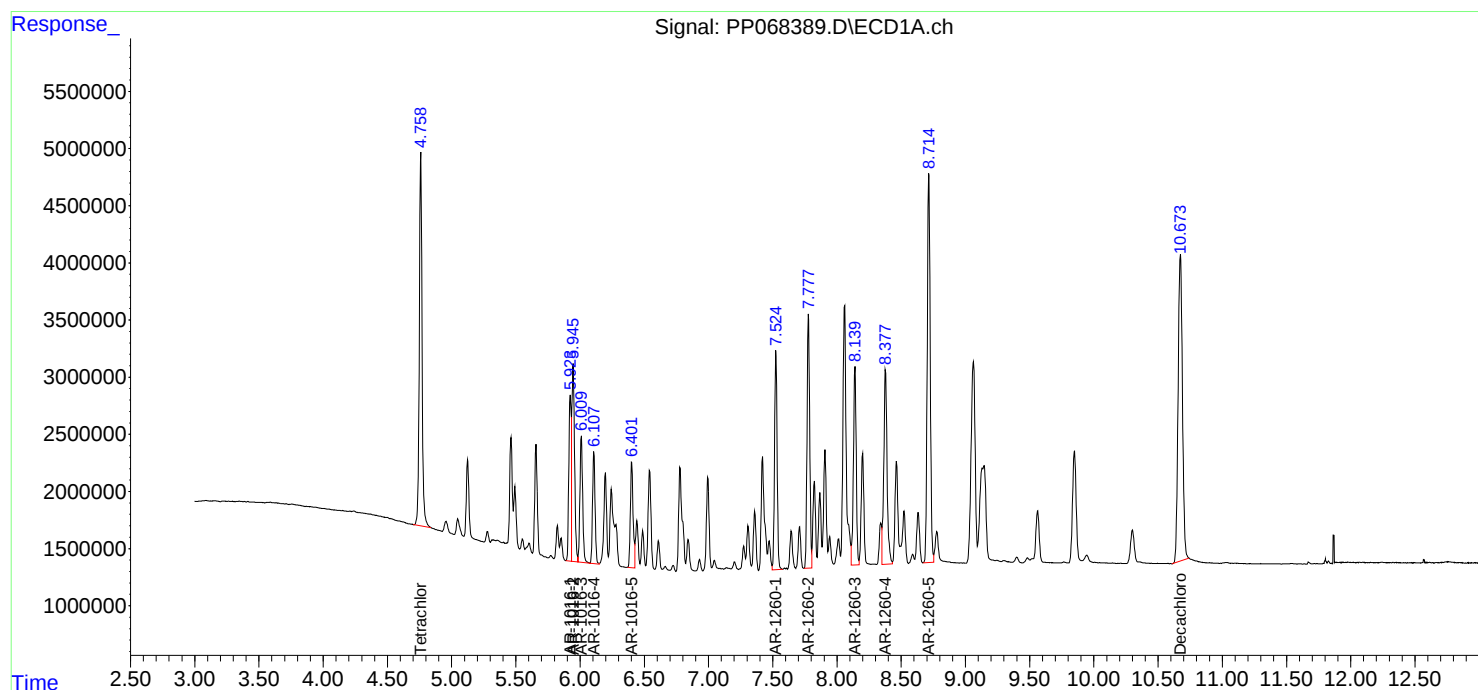
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068389.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 10:55
Operator : YP\AJ
Sample : PP110724ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP110724

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 11:09:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 11:04:08 2024
Response via : 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\PP110724\
 Data File : PP068390.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 11:12
 Operator : YP\AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP110724AR1242

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 11:23:09 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 11:04:08 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.756	4.050	50275844	51121712	51.798	52.796
2) SA Decachlor...	10.669	9.209	64384965	58737597	51.447	51.926
Target Compounds						
16) L4 AR-1242-1	5.920	5.157	15636105	14588135	523.411	524.946
17) L4 AR-1242-2	5.942	5.177	23125277	20110329	524.358	520.655
18) L4 AR-1242-3	6.006	5.358	14876978	10966167	534.020	515.326
19) L4 AR-1242-4	6.103	5.441	11804561	12039278	539.514m	528.185
20) L4 AR-1242-5	6.837	5.970	12699812	14368026	523.048m	523.400m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068390.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 11:12
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

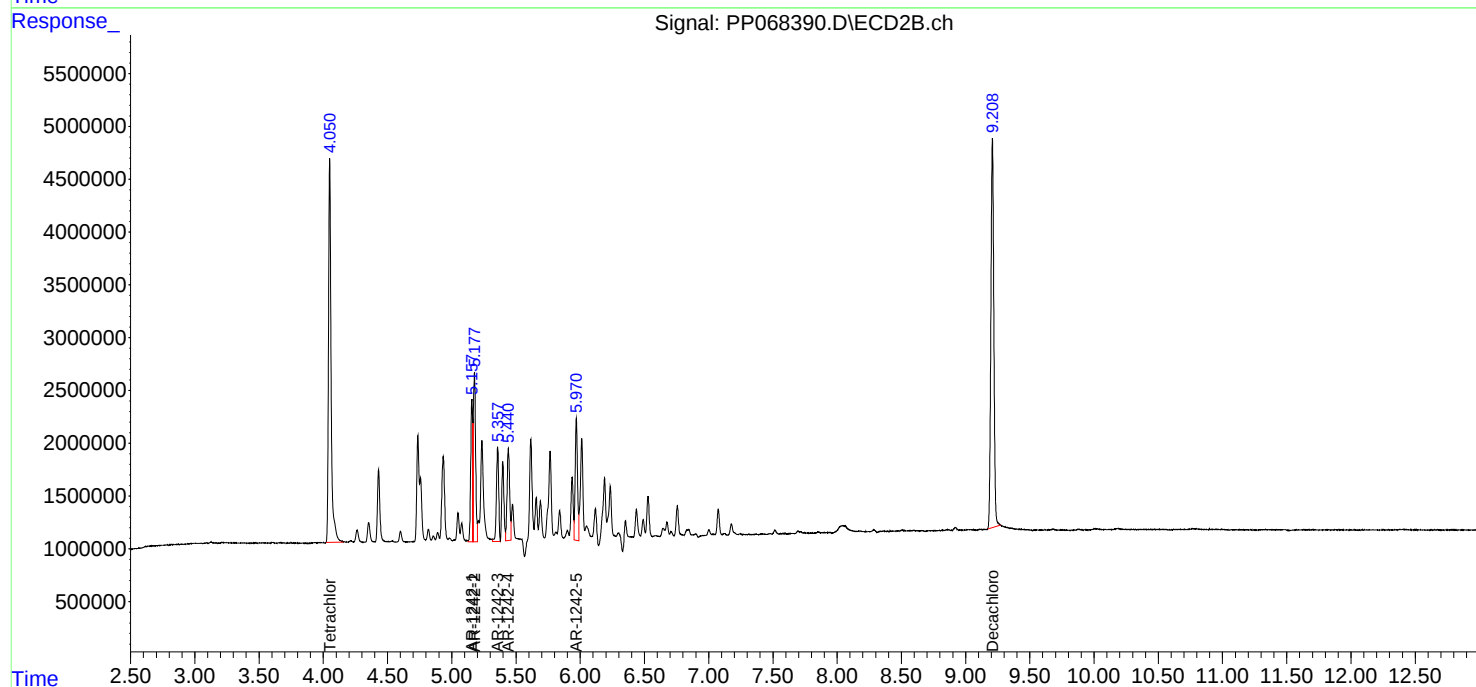
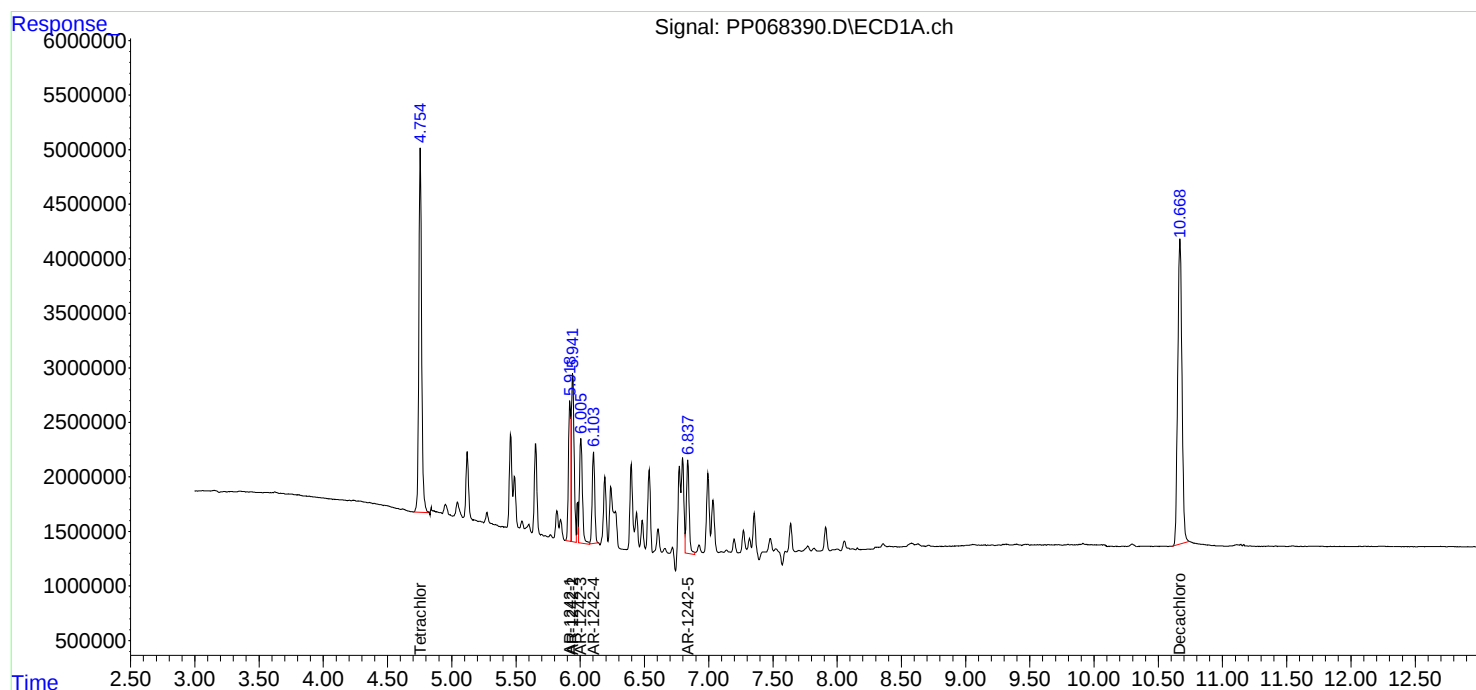
Instrument :
ECD_P
ClientSampleId :
ICVPP110724AR1242

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 11:23:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 11:04:08 2024
Response via : 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\PP110724\
 Data File : PP068391.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 11:28
 Operator : YP\AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP110724AR1248

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 11:47:12 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 11:04:08 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.759	4.050	53033933	51210314	54.640	52.887
2) SA Decachlor...	10.675	9.209	64595046	59986046	51.615	53.030
Target Compounds						
21) L5 AR-1248-1	5.924	5.157	11935864	11676003	528.968	534.433
22) L5 AR-1248-2	6.197	5.397	17293214	17129241	514.516	535.807
23) L5 AR-1248-3	6.401	5.441	19211485	18111526	526.116	540.510
24) L5 AR-1248-4	6.802	5.616	20610885	20272318	481.724	522.095
25) L5 AR-1248-5	6.842	6.013	19878881	19135378	478.557	516.220

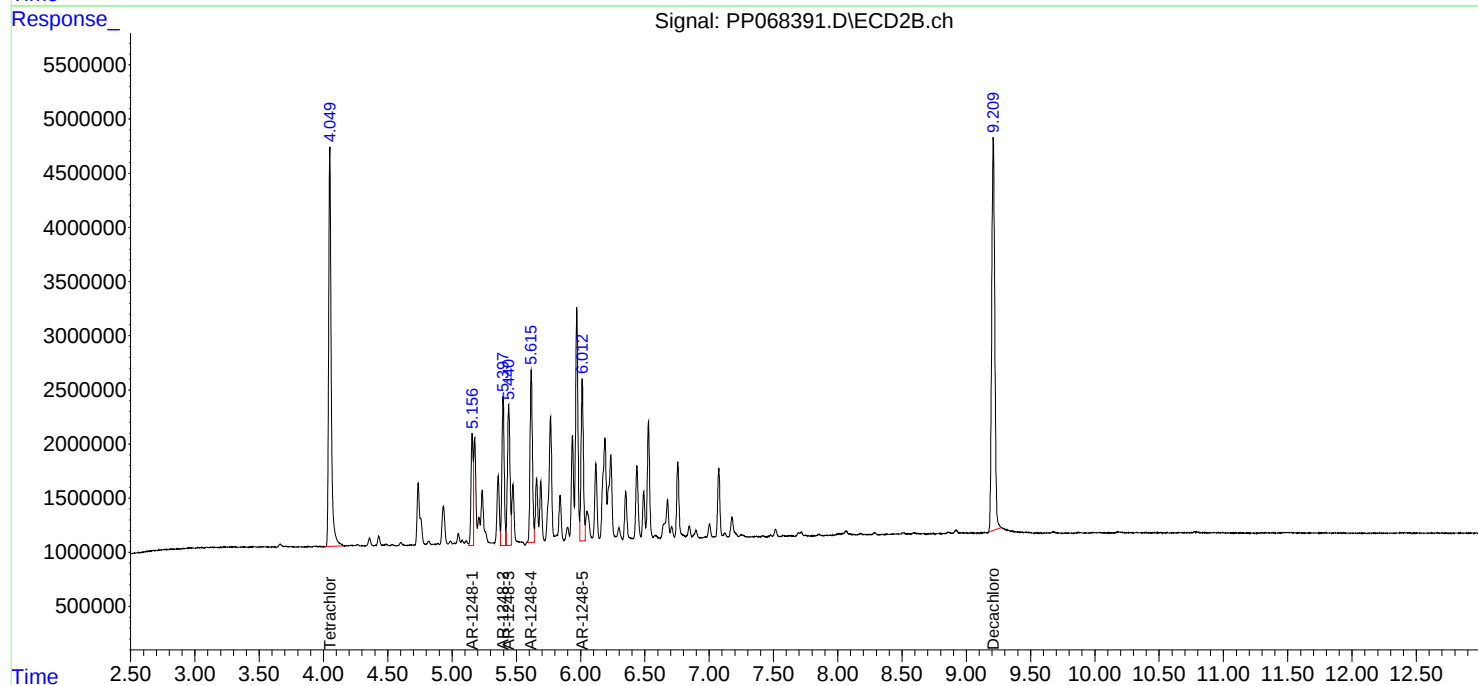
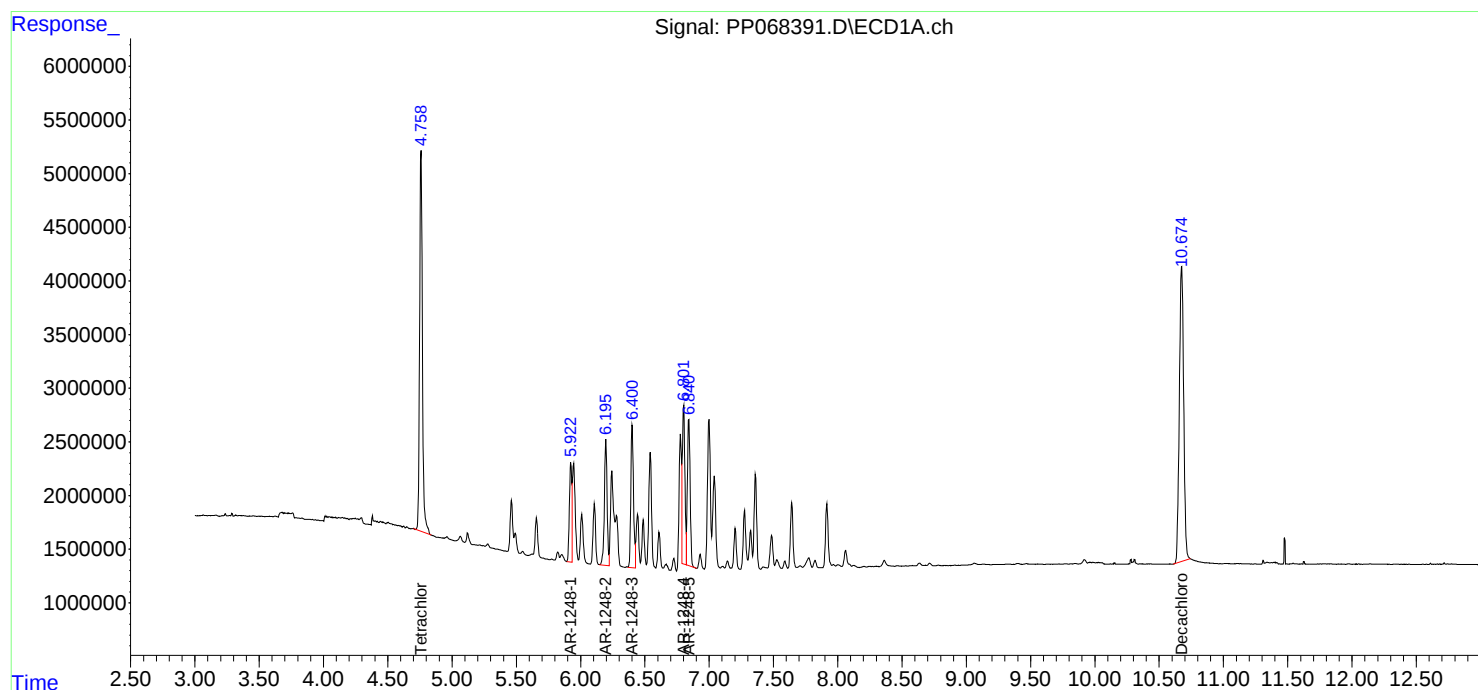
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068391.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 11:28
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP110724AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 11:47:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 11:04:08 2024
Response via : 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\PP110724\
 Data File : PP068392.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 11:45
 Operator : YP\AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP110724AR1254

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 12:01:05 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 11:04:08 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.756	4.049	49771307	50055306	51.278	51.695
2) SA Decachlor...	10.670	9.208	64599990	60296903	51.619	53.304
Target Compounds						
26) L6 AR-1254-1	6.774	5.971	29316633	34473417	565.016m	568.475
27) L6 AR-1254-2	6.993	6.118	34878260	28264573	511.130	535.971
28) L6 AR-1254-3	7.357	6.528	37589018	44409341	526.029	533.374
29) L6 AR-1254-4	7.639	6.756	28724975	25764643	533.780m	529.836
30) L6 AR-1254-5	8.057	7.177	31170873	37295416	497.407m	499.713

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068392.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 11:45
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

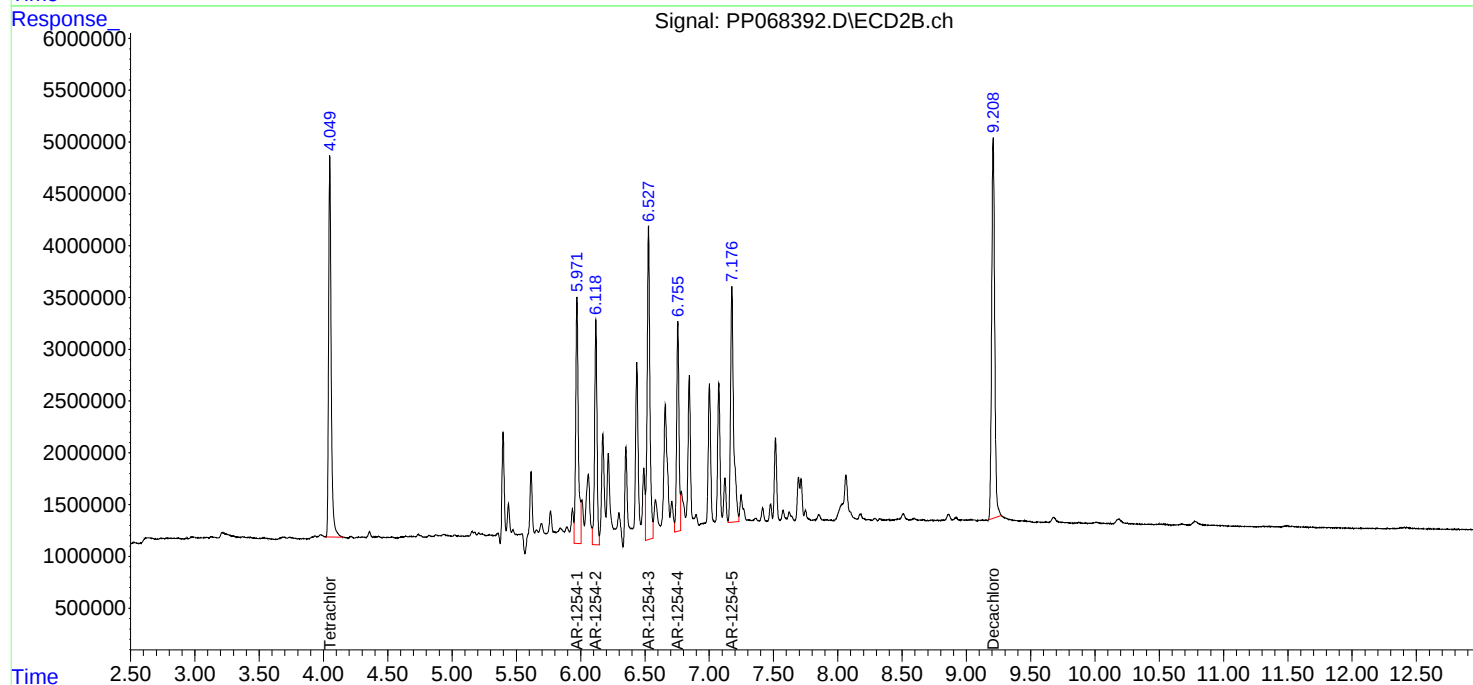
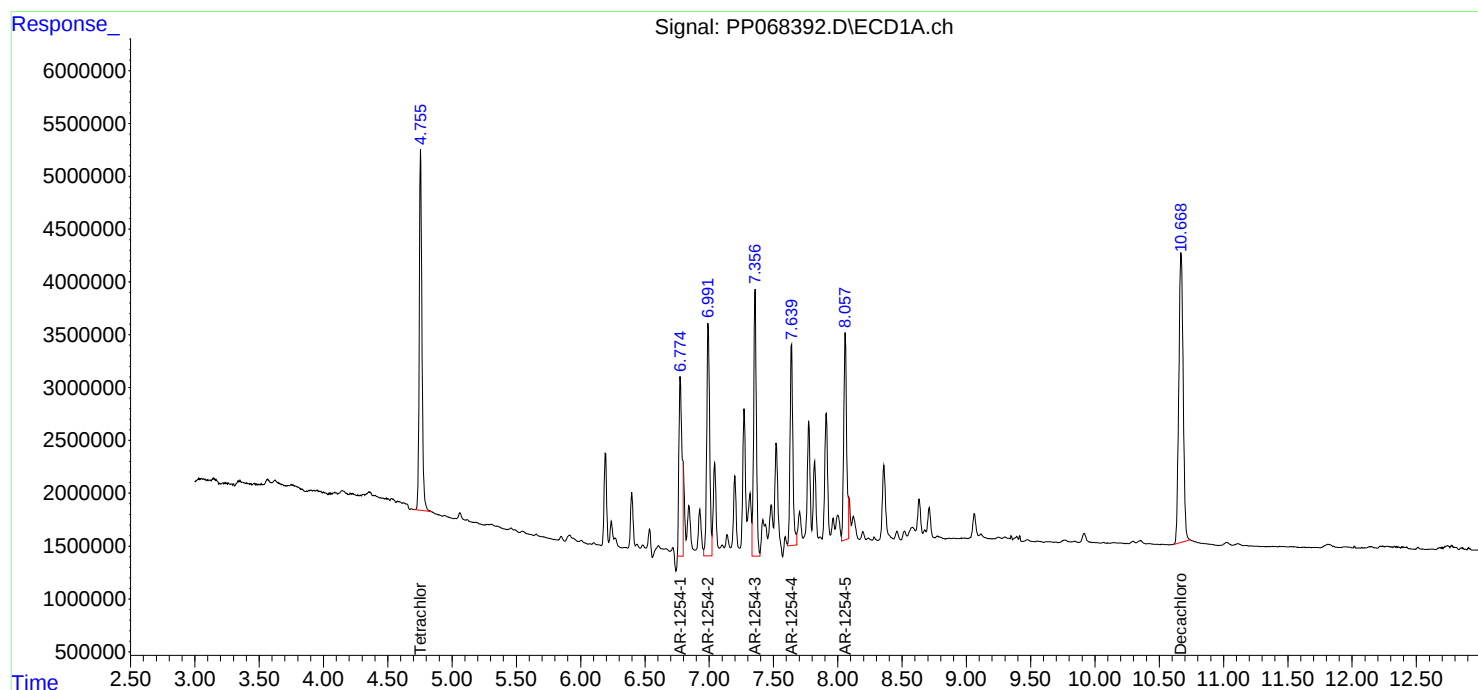
Instrument :
ECD_P
ClientSampleId :
ICVPP110724AR1254

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 12:01:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 11:04:08 2024
Response via : 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\PP110724\
 Data File : PP068393.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 12:01
 Operator : YP\AJ
 Sample : AR1268ICV500
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP110724AR1268

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 12:20:09 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 11:04:08 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.757	4.050	50376429	49328950	51.902	50.944
2) SA Decachlor...	10.672	9.210	102.9E6	96062002	82.227	84.922
Target Compounds						
41) L9 AR-1268-1	9.048	8.002	77062249	79343717	499.451m	509.495
42) L9 AR-1268-2	9.150	8.067	70702887	73179227	505.068	516.953
43) L9 AR-1268-3	9.398	8.286	63406726	62074565	504.637m	498.532
44) L9 AR-1268-4	9.848	8.594	28417537	28016994	531.799	513.091
45) L9 AR-1268-5	10.300	8.920	198.2E6	189.6E6	499.329	503.420

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068393.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 12:01
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

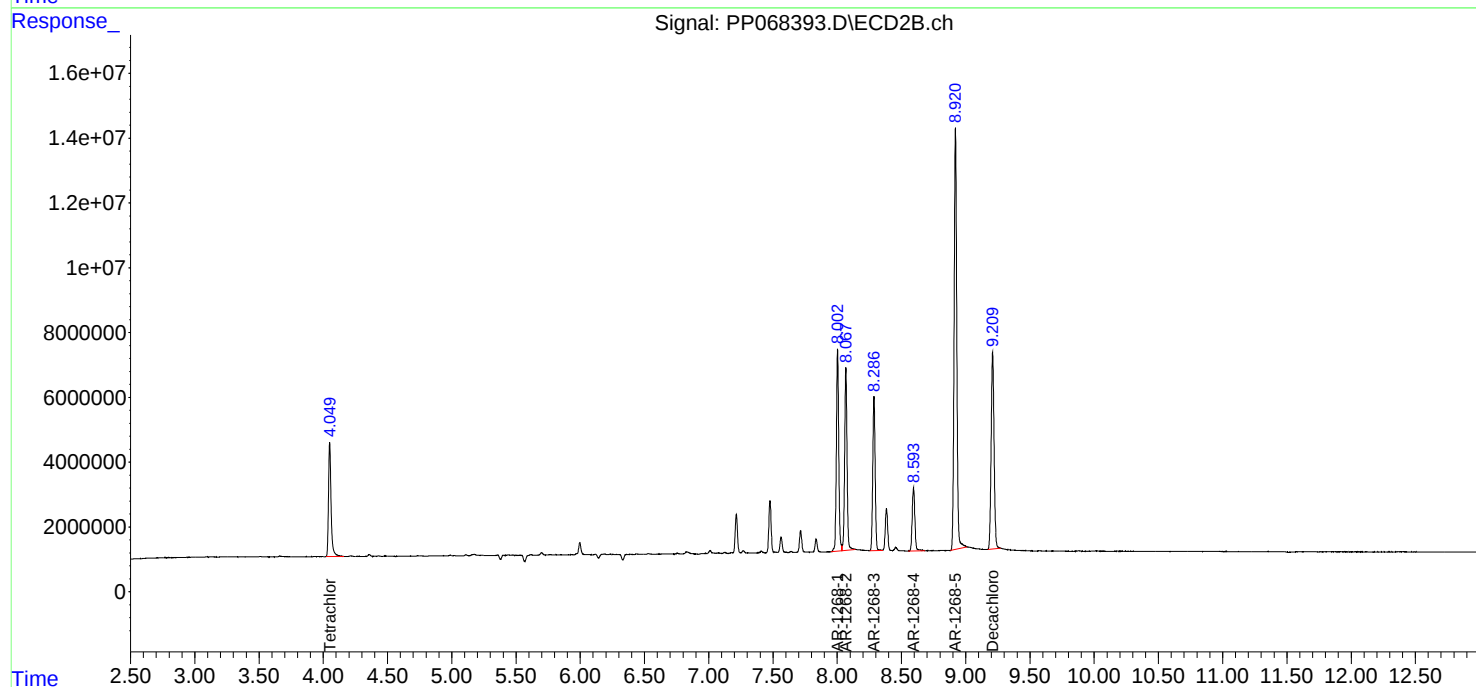
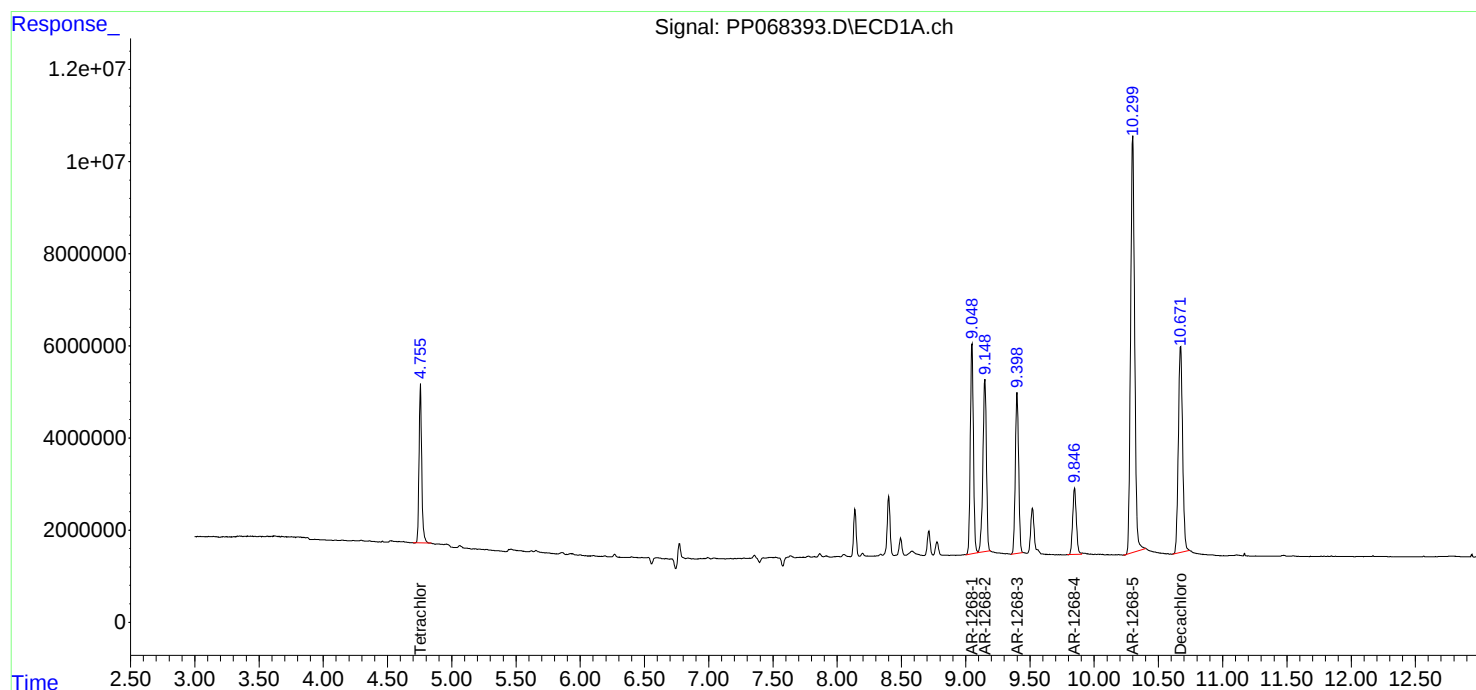
Instrument :
ECD_P
ClientSampleId :
ICVPP110724AR1268

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 12:20:09 2024
Quant Method: Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 11:04:08 2024
Response via : 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



CALIBRATION VERIFICATION SUMMARY

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

Continuing Calib Date: 11/19/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 11:50 Initial Calibration Time(s): 02:45 10:39

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)	5.95	5.94	5.84	6.04	-0.01
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.11	6.01	6.21	0.00
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		10.67	10.67	10.57	10.77	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

Continuing Calib Date: 11/19/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 11:50 Initial Calibration Time(s): 02:45 10:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.15	5.16	5.06	5.26	0.01
Aroclor-1016-2	(2)	5.17	5.18	5.08	5.28	0.01
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.39	5.40	5.30	5.50	0.01
Aroclor-1016-5	(5)	5.61	5.62	5.52	5.72	0.01
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.84	6.85	6.75	6.95	0.01
Aroclor-1260-3	(3)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.01
Aroclor-1260-5	(5)	7.71	7.72	7.62	7.82	0.01
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.21	9.11	9.31	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL01 Date Analyzed: 11/19/2024

Lab Sample No.: AR1660CCC500 Data File : PP068602.D Time Analyzed: 11:50

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.923	5.821	6.021	462.180	500.000	-7.6
Aroclor-1016-2	5.945	5.844	6.044	481.740	500.000	-3.7
Aroclor-1016-3	6.008	5.908	6.108	490.180	500.000	-2.0
Aroclor-1016-4	6.106	6.005	6.205	490.380	500.000	-1.9
Aroclor-1016-5	6.400	6.299	6.499	462.630	500.000	-7.5
Aroclor-1260-1	7.525	7.423	7.623	477.630	500.000	-4.5
Aroclor-1260-2	7.777	7.676	7.876	459.180	500.000	-8.2
Aroclor-1260-3	8.139	8.038	8.238	431.860	500.000	-13.6
Aroclor-1260-4	8.376	8.276	8.476	426.790	500.000	-14.6
Aroclor-1260-5	8.715	8.613	8.813	422.590	500.000	-15.5
Decachlorobiphenyl	10.674	10.572	10.772	44.450	50.000	-11.1
Tetrachloro-m-xylene	4.758	4.657	4.857	49.130	50.000	-1.7

CALIBRATION VERIFICATION SUMMARY

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL01 Date Analyzed: 11/19/2024

Lab Sample No.: AR1660CCC500 Data File : PP068602.D Time Analyzed: 11:50

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.154	5.058	5.258	509.510	500.000	1.9
Aroclor-1016-2	5.174	5.079	5.279	473.120	500.000	-5.4
Aroclor-1016-3	5.355	5.259	5.459	439.650	500.000	-12.1
Aroclor-1016-4	5.394	5.298	5.498	442.810	500.000	-11.4
Aroclor-1016-5	5.614	5.517	5.717	493.170	500.000	-1.4
Aroclor-1260-1	6.657	6.560	6.760	494.420	500.000	-1.1
Aroclor-1260-2	6.843	6.747	6.947	469.380	500.000	-6.1
Aroclor-1260-3	7.001	6.905	7.105	467.400	500.000	-6.5
Aroclor-1260-4	7.475	7.378	7.578	472.750	500.000	-5.5
Aroclor-1260-5	7.713	7.617	7.817	458.570	500.000	-8.3
Decachlorobiphenyl	9.205	9.110	9.310	45.250	50.000	-9.5
Tetrachloro-m-xylene	4.049	3.951	4.151	49.290	50.000	-1.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP111924\
 Data File : PP068602.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Nov 2024 11:50
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 20 03:52:57 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 11:04:08 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.758	4.049	47682609	47724101	49.126	49.287
2) SA Decachlor...	10.674	9.205	55628512	51183350	44.450	45.248
Target Compounds						
3) L1 AR-1016-1	5.923	5.154	16608921	16837942	462.179	509.513m
4) L1 AR-1016-2	5.945	5.174	25508269	22114933	481.740	473.121m
5) L1 AR-1016-3	6.008	5.355	16229109	11888190	490.179	439.648m
6) L1 AR-1016-4	6.106	5.394	12888172	10447984	490.379	442.805m
7) L1 AR-1016-5	6.400	5.614	13049855	14618524	462.630	493.167
31) L7 AR-1260-1	7.525	6.657	25841767	27513983	477.630	494.420
32) L7 AR-1260-2	7.777	6.843	29208753	31090009	459.179	469.384
33) L7 AR-1260-3	8.139	7.001	23230565	28928114	431.859	467.401
34) L7 AR-1260-4	8.376	7.475	26558172	24931263	426.788	472.747
35) L7 AR-1260-5	8.715	7.713	47831083	54605044	422.594	458.573

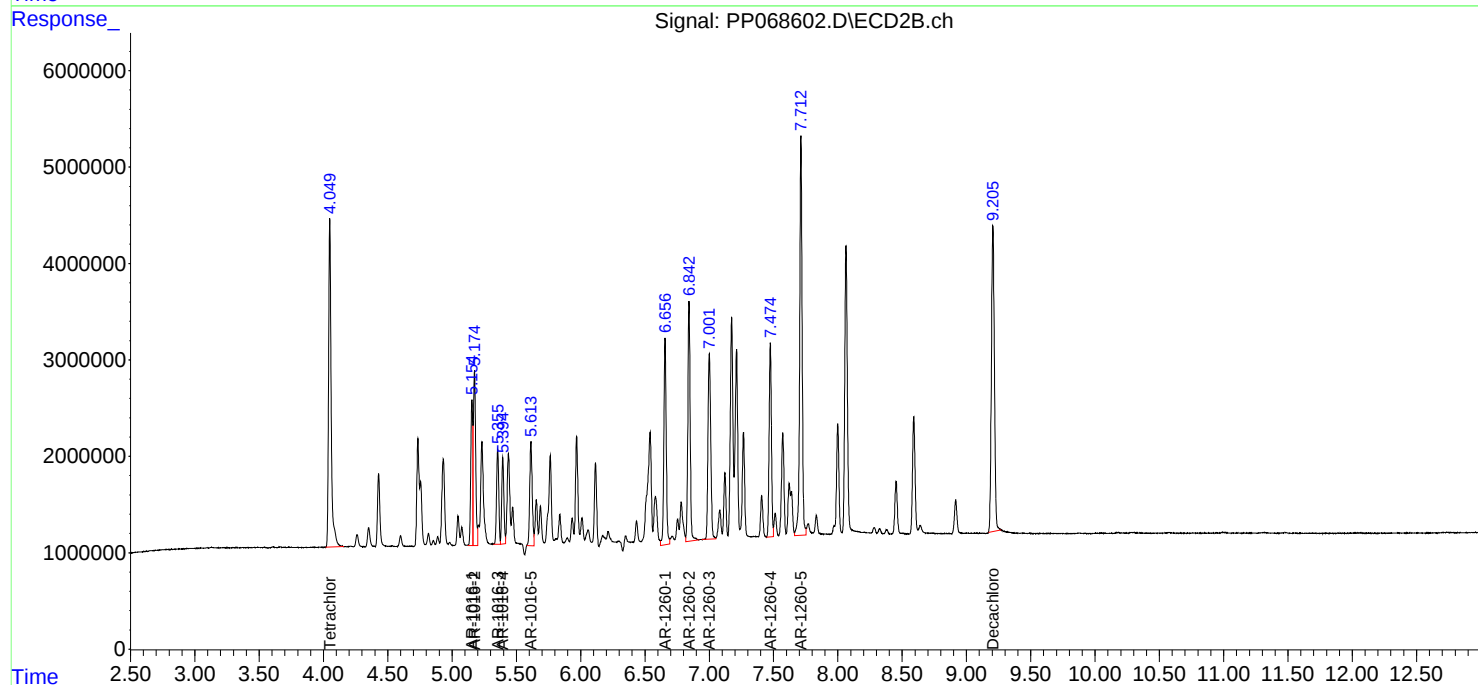
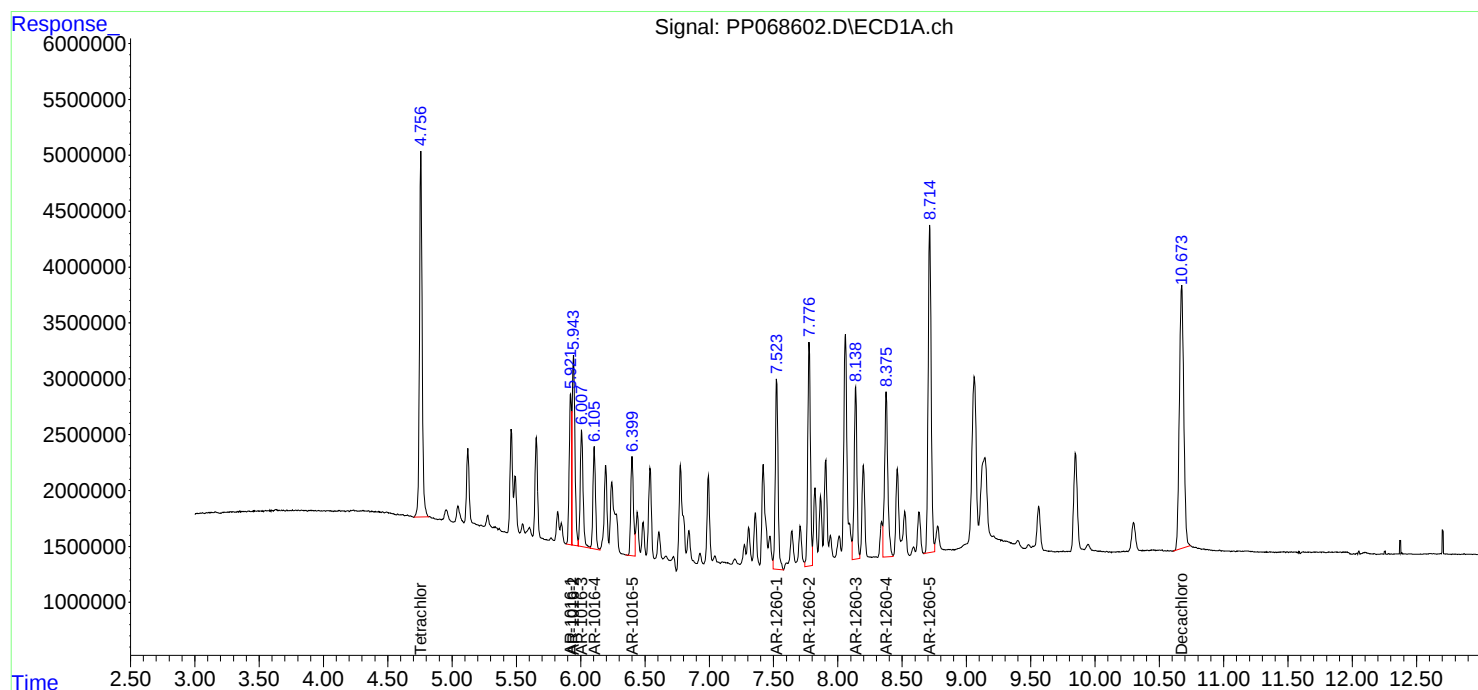
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP111924\
Data File : PP068602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 11:50
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 03:52:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 11:04:08 2024
Response via : 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



CALIBRATION VERIFICATION SUMMARY

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

Continuing Calib Date: 11/19/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 15:29 Initial Calibration Time(s): 02:45 10:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.93	5.92	5.82	6.02	-0.01
Aroclor-1016-2	(2)	5.95	5.94	5.84	6.04	-0.01
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.11	6.01	6.21	0.00
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

CALIBRATION VERIFICATION SUMMARY

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

Continuing Calib Date: 11/19/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 15:29 Initial Calibration Time(s): 02:45 10:39

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	0.01
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	0.01
Aroclor-1260-3	(3)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.21	9.11	9.31	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL02 Date Analyzed: 11/19/2024

Lab Sample No.: AR1660CCC500 Data File : PP068614.D Time Analyzed: 15:29

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.926	5.821	6.021	472.020	500.000	-5.6
Aroclor-1016-2	5.947	5.844	6.044	493.840	500.000	-1.2
Aroclor-1016-3	6.011	5.908	6.108	514.490	500.000	2.9
Aroclor-1016-4	6.109	6.005	6.205	518.260	500.000	3.7
Aroclor-1016-5	6.404	6.299	6.499	470.310	500.000	-5.9
Aroclor-1260-1	7.527	7.423	7.623	488.300	500.000	-2.3
Aroclor-1260-2	7.780	7.676	7.876	469.560	500.000	-6.1
Aroclor-1260-3	8.142	8.038	8.238	446.600	500.000	-10.7
Aroclor-1260-4	8.380	8.276	8.476	435.780	500.000	-12.8
Aroclor-1260-5	8.717	8.613	8.813	439.380	500.000	-12.1
Decachlorobiphenyl	10.675	10.572	10.772	45.710	50.000	-8.6
Tetrachloro-m-xylene	4.761	4.657	4.857	49.560	50.000	-0.9

CALIBRATION VERIFICATION SUMMARY

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL02 Date Analyzed: 11/19/2024

Lab Sample No.: AR1660CCC500 Data File : PP068614.D Time Analyzed: 15:29

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.156	5.058	5.258	501.490	500.000	0.3
Aroclor-1016-2	5.176	5.079	5.279	490.400	500.000	-1.9
Aroclor-1016-3	5.356	5.259	5.459	452.510	500.000	-9.5
Aroclor-1016-4	5.396	5.298	5.498	459.270	500.000	-8.1
Aroclor-1016-5	5.615	5.517	5.717	511.580	500.000	2.3
Aroclor-1260-1	6.658	6.560	6.760	492.620	500.000	-1.5
Aroclor-1260-2	6.845	6.747	6.947	463.600	500.000	-7.3
Aroclor-1260-3	7.002	6.905	7.105	472.300	500.000	-5.5
Aroclor-1260-4	7.477	7.378	7.578	478.300	500.000	-4.3
Aroclor-1260-5	7.715	7.617	7.817	470.590	500.000	-5.9
Decachlorobiphenyl	9.207	9.110	9.310	46.580	50.000	-6.8
Tetrachloro-m-xylene	4.051	3.951	4.151	50.940	50.000	1.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP111924\
 Data File : PP068614.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Nov 2024 15:29
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 20 03:56:28 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 11:04:08 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.761	4.051	48099840	49327412	49.556	50.943
2) SA Decachlor...	10.675	9.207	57208310	52694361	45.713	46.584
Target Compounds						
3) L1 AR-1016-1	5.926	5.156	16962574	16572792	472.021	501.490m
4) L1 AR-1016-2	5.947	5.176	26149056	22922680	493.842	490.402m
5) L1 AR-1016-3	6.011	5.356	17034024	12236072	514.491	452.514m
6) L1 AR-1016-4	6.109	5.396	13621012	10836425	518.263	459.268m
7) L1 AR-1016-5	6.404	5.615	13266462	15164477	470.309	511.585
31) L7 AR-1260-1	7.527	6.658	26419320	27413718	488.305	492.619
32) L7 AR-1260-2	7.780	6.845	29868868	30706652	469.556	463.596
33) L7 AR-1260-3	8.142	7.002	24023723	29231604	446.604	472.304
34) L7 AR-1260-4	8.380	7.477	27117859	25224084	435.782	478.300
35) L7 AR-1260-5	8.717	7.715	49730487	56035507	439.376	470.586

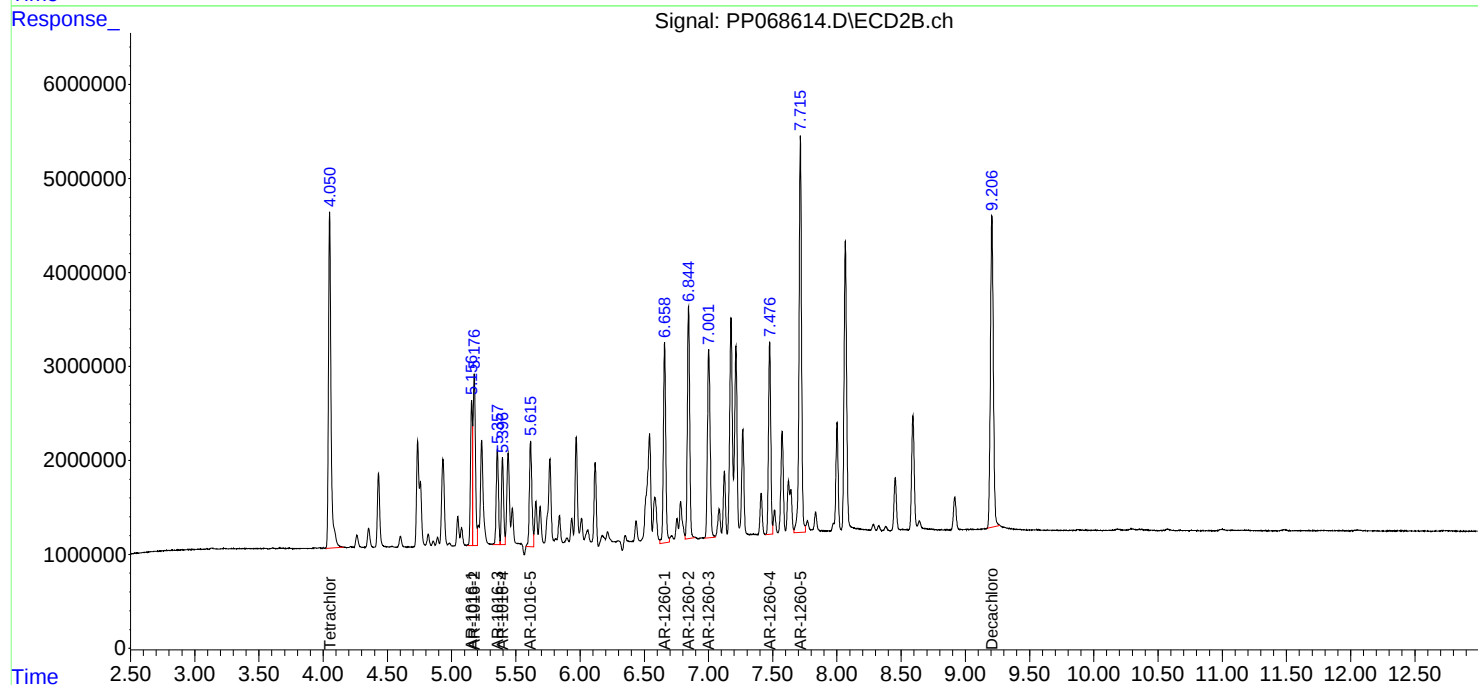
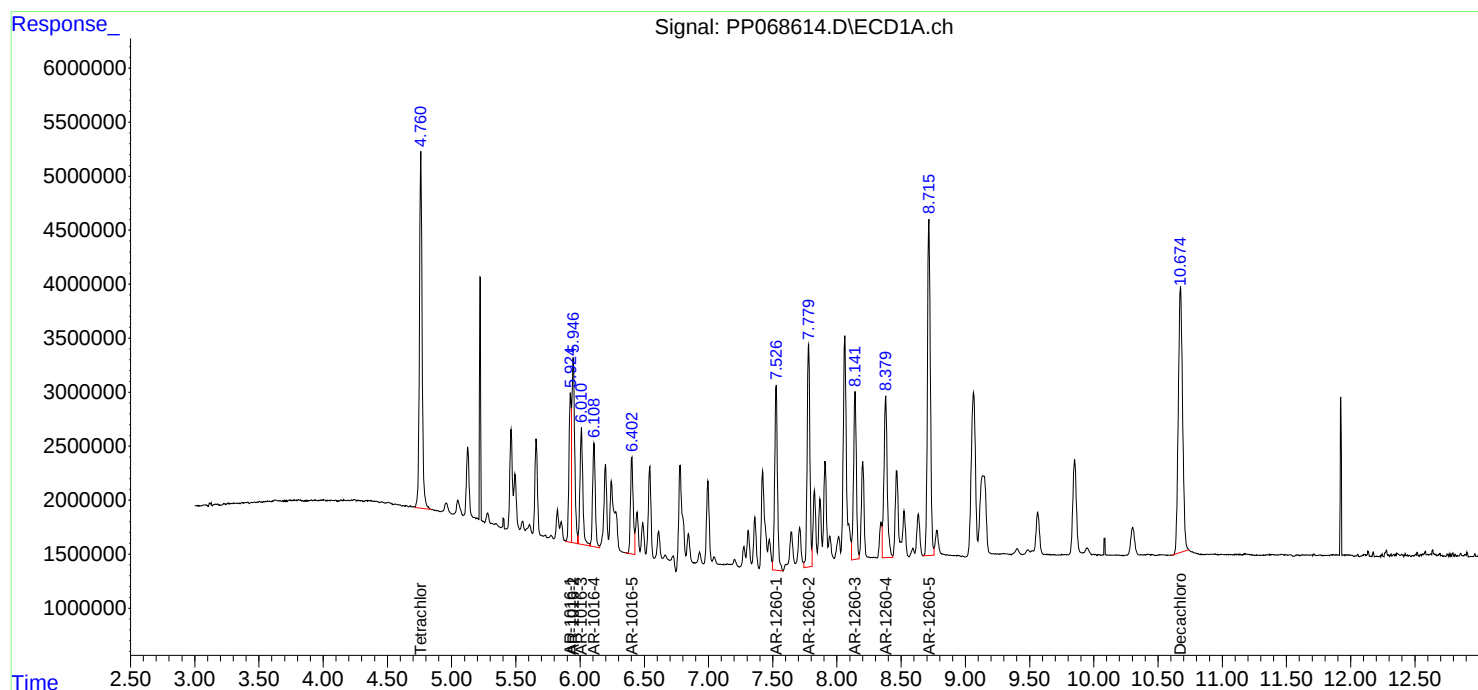
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP111924\
Data File : PP068614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 15:29
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 03:56:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 11:04:08 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Analytical Sequence

Client: BSI America Professional Services Inc.

SDG No.: P4888

Project: PS 154 @ K154

Instrument ID: ECD_P

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 11/08/2024

11/08/2024

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	11/08/2024	02:29	PP068360.D	10.67	4.76
AR1660ICC1000	AR1660ICC1000	11/08/2024	02:45	PP068361.D	10.67	4.76
AR1660ICC750	AR1660ICC750	11/08/2024	03:02	PP068362.D	10.68	4.76
AR1660ICC500	AR1660ICC500	11/08/2024	03:18	PP068363.D	10.67	4.76
AR1660ICC250	AR1660ICC250	11/08/2024	03:34	PP068364.D	10.68	4.76
AR1660ICC050	AR1660ICC050	11/08/2024	03:51	PP068365.D	10.67	4.76
AR1221ICC500	AR1221ICC500	11/08/2024	04:07	PP068366.D	10.68	4.76
AR1232ICC500	AR1232ICC500	11/08/2024	04:23	PP068367.D	10.67	4.76
AR1242ICC1000	AR1242ICC1000	11/08/2024	04:40	PP068368.D	10.67	4.76
AR1242ICC750	AR1242ICC750	11/08/2024	04:56	PP068369.D	10.67	4.76
AR1242ICC500	AR1242ICC500	11/08/2024	05:12	PP068370.D	10.67	4.76
AR1242ICC250	AR1242ICC250	11/08/2024	05:29	PP068371.D	10.67	4.76
AR1242ICC050	AR1242ICC050	11/08/2024	05:45	PP068372.D	10.68	4.76
AR1248ICC1000	AR1248ICC1000	11/08/2024	06:01	PP068373.D	10.67	4.76
AR1248ICC750	AR1248ICC750	11/08/2024	06:18	PP068374.D	10.68	4.76
AR1248ICC500	AR1248ICC500	11/08/2024	06:34	PP068375.D	10.67	4.76
AR1248ICC250	AR1248ICC250	11/08/2024	06:50	PP068376.D	10.67	4.76
AR1248ICC050	AR1248ICC050	11/08/2024	07:07	PP068377.D	10.67	4.76
AR1254ICC1000	AR1254ICC1000	11/08/2024	07:23	PP068378.D	10.67	4.76
AR1254ICC750	AR1254ICC750	11/08/2024	07:39	PP068379.D	10.67	4.76
AR1254ICC500	AR1254ICC500	11/08/2024	07:56	PP068380.D	10.67	4.76
AR1254ICC250	AR1254ICC250	11/08/2024	08:12	PP068381.D	10.67	4.76
AR1254ICC050	AR1254ICC050	11/08/2024	08:28	PP068382.D	10.67	4.76
AR1262ICC500	AR1262ICC500	11/08/2024	08:45	PP068383.D	10.67	4.76
AR1268ICC1000	AR1268ICC1000	11/08/2024	09:01	PP068384.D	10.67	4.76
AR1268ICC750	AR1268ICC750	11/08/2024	09:17	PP068385.D	10.67	4.76
AR1268ICC500	AR1268ICC500	11/08/2024	09:34	PP068386.D	10.67	4.76
AR1268ICC250	AR1268ICC250	11/08/2024	09:50	PP068387.D	10.67	4.76
AR1268ICC050	AR1268ICC050	11/08/2024	10:39	PP068388.D	10.67	4.76
AR1660CCC500	AR1660CCC500	11/19/2024	11:50	PP068602.D	10.67	4.76
IBLK	IBLK	11/19/2024	12:55	PP068606.D	10.68	4.76
PB165084BL	PB165084BL	11/19/2024	13:44	PP068609.D	10.67	4.76
PB165084BS	PB165084BS	11/19/2024	14:00	PP068610.D	10.67	4.76
01A-01B-01C	P4888-01	11/19/2024	14:17	PP068611.D	10.68	4.76
02A-02B-02C	P4888-02	11/19/2024	14:33	PP068612.D	10.67	4.76
AR1660CCC500	AR1660CCC500	11/19/2024	15:29	PP068614.D	10.68	4.76
IBLK	IBLK	11/19/2024	15:45	PP068615.D	10.67	4.76

Analytical Sequence

Client: BSI America Professional Services Inc.

SDG No.: P4888

Project: PS 154 @ K154

Instrument ID: ECD_P

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 11/08/2024

11/08/2024

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	11/08/2024	02:29	PP068360.D	9.21	4.05
AR1660ICC1000	AR1660ICC1000	11/08/2024	02:45	PP068361.D	9.21	4.05
AR1660ICC750	AR1660ICC750	11/08/2024	03:02	PP068362.D	9.21	4.05
AR1660ICC500	AR1660ICC500	11/08/2024	03:18	PP068363.D	9.21	4.05
AR1660ICC250	AR1660ICC250	11/08/2024	03:34	PP068364.D	9.21	4.05
AR1660ICC050	AR1660ICC050	11/08/2024	03:51	PP068365.D	9.21	4.05
AR1221ICC500	AR1221ICC500	11/08/2024	04:07	PP068366.D	9.21	4.05
AR1232ICC500	AR1232ICC500	11/08/2024	04:23	PP068367.D	9.21	4.05
AR1242ICC1000	AR1242ICC1000	11/08/2024	04:40	PP068368.D	9.21	4.05
AR1242ICC750	AR1242ICC750	11/08/2024	04:56	PP068369.D	9.21	4.05
AR1242ICC500	AR1242ICC500	11/08/2024	05:12	PP068370.D	9.21	4.05
AR1242ICC250	AR1242ICC250	11/08/2024	05:29	PP068371.D	9.21	4.05
AR1242ICC050	AR1242ICC050	11/08/2024	05:45	PP068372.D	9.21	4.05
AR1248ICC1000	AR1248ICC1000	11/08/2024	06:01	PP068373.D	9.21	4.05
AR1248ICC750	AR1248ICC750	11/08/2024	06:18	PP068374.D	9.21	4.05
AR1248ICC500	AR1248ICC500	11/08/2024	06:34	PP068375.D	9.21	4.05
AR1248ICC250	AR1248ICC250	11/08/2024	06:50	PP068376.D	9.21	4.05
AR1248ICC050	AR1248ICC050	11/08/2024	07:07	PP068377.D	9.21	4.05
AR1254ICC1000	AR1254ICC1000	11/08/2024	07:23	PP068378.D	9.21	4.05
AR1254ICC750	AR1254ICC750	11/08/2024	07:39	PP068379.D	9.21	4.05
AR1254ICC500	AR1254ICC500	11/08/2024	07:56	PP068380.D	9.21	4.05
AR1254ICC250	AR1254ICC250	11/08/2024	08:12	PP068381.D	9.21	4.05
AR1254ICC050	AR1254ICC050	11/08/2024	08:28	PP068382.D	9.21	4.05
AR1262ICC500	AR1262ICC500	11/08/2024	08:45	PP068383.D	9.21	4.05
AR1268ICC1000	AR1268ICC1000	11/08/2024	09:01	PP068384.D	9.21	4.05
AR1268ICC750	AR1268ICC750	11/08/2024	09:17	PP068385.D	9.21	4.05
AR1268ICC500	AR1268ICC500	11/08/2024	09:34	PP068386.D	9.21	4.05
AR1268ICC250	AR1268ICC250	11/08/2024	09:50	PP068387.D	9.21	4.05
AR1268ICC050	AR1268ICC050	11/08/2024	10:39	PP068388.D	9.21	4.05
AR1660CCC500	AR1660CCC500	11/19/2024	11:50	PP068602.D	9.21	4.05
IBLK	IBLK	11/19/2024	12:55	PP068606.D	9.21	4.05
PB165084BL	PB165084BL	11/19/2024	13:44	PP068609.D	9.21	4.05
PB165084BS	PB165084BS	11/19/2024	14:00	PP068610.D	9.21	4.05
01A-01B-01C	P4888-01	11/19/2024	14:17	PP068611.D	9.21	4.05
02A-02B-02C	P4888-02	11/19/2024	14:33	PP068612.D	9.21	4.05
AR1660CCC500	AR1660CCC500	11/19/2024	15:29	PP068614.D	9.21	4.05
IBLK	IBLK	11/19/2024	15:45	PP068615.D	9.21	4.05

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB165084BS

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

Lab Sample ID: PB165084BS Date(s) Analyzed: 11/19/2024 11/19/2024

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 PP068610.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.922	5.872	5.972	147	150	4.78
COLUMN 1	2	5.944	5.894	5.994	153		
	3	6.008	5.958	6.058	155		
	4	6.106	6.056	6.156	156		
	5	6.4	6.35	6.45	141		
	1	5.157	5.107	5.207	143		
COLUMN 2	2	5.176	5.126	5.226	157	143	
	3	5.357	5.307	5.407	139		
	4	5.397	5.347	5.447	139		
	5	5.615	5.565	5.665	135		
Aroclor-1260	1	7.524	7.474	7.574	143	129	2.3
COLUMN 1	2	7.777	7.727	7.827	140		
	3	8.138	8.088	8.188	116		
	4	8.375	8.325	8.425	126		
	5	8.714	8.664	8.764	120		
	1	6.658	6.608	6.708	137	132	
COLUMN 2	2	6.845	6.795	6.895	137		
	3	7.002	6.952	7.052	139		
	4	7.476	7.426	7.526	125		
	5	7.715	7.665	7.765	124		



QC SAMPLE DATA

Report of Analysis

Client:	BSI America Professional Services Inc.		Date Collected:		
Project:	PS 154 @ K154		Date Received:		
Client Sample ID:	PB165084BL		SDG No.:	P4888	
Lab Sample ID:	PB165084BL		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068609.D	1	11/19/24 08:52	11/19/24 13:44	PB165084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	0.0034	U	0.0034	0.017	mg/Kg
11104-28-2	Aroclor-1221	0.0064	U	0.0064	0.017	mg/Kg
11141-16-5	Aroclor-1232	0.0034	U	0.0034	0.017	mg/Kg
53469-21-9	Aroclor-1242	0.0034	U	0.0034	0.017	mg/Kg
12672-29-6	Aroclor-1248	0.0079	U	0.0079	0.017	mg/Kg
11097-69-1	Aroclor-1254	0.0027	U	0.0027	0.017	mg/Kg
37324-23-5	Aroclor-1262	0.0046	U	0.0046	0.017	mg/Kg
11100-14-4	Aroclor-1268	0.0034	U	0.0034	0.017	mg/Kg
11096-82-5	Aroclor-1260	0.0029	U	0.0029	0.017	mg/Kg
Total PCBs	Total PCBs	0.0079	U	0.0079	0.017	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		32 - 144	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.0		32 - 175	105%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP111924\
 Data File : PP068609.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Nov 2024 13:44
 Operator : YP\AJ
 Sample : PB165084BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB165084BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 20 03:54:57 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 11:04:08 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.758	4.049	19875867	19540388	20.478	20.180
2) SA Decachlor...	10.674	9.205	25961192	23730728	20.744	20.979

Target Compounds

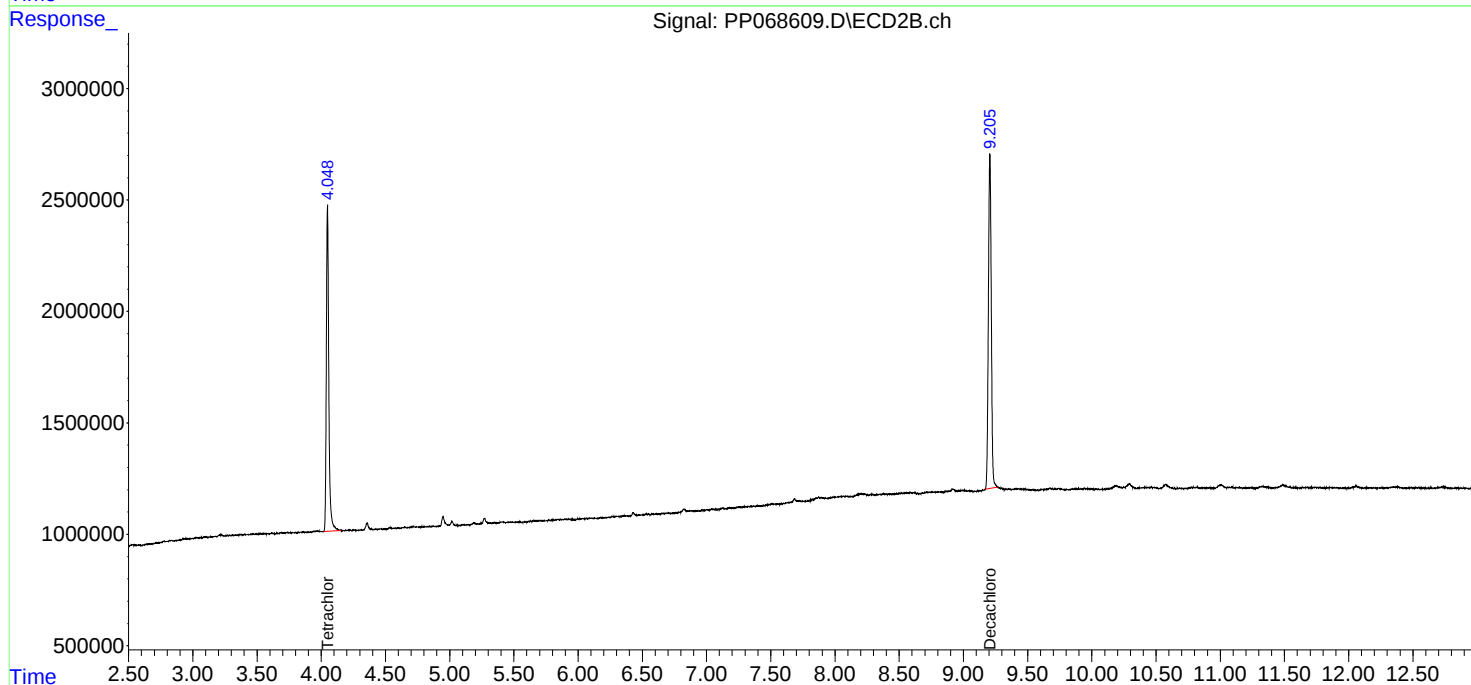
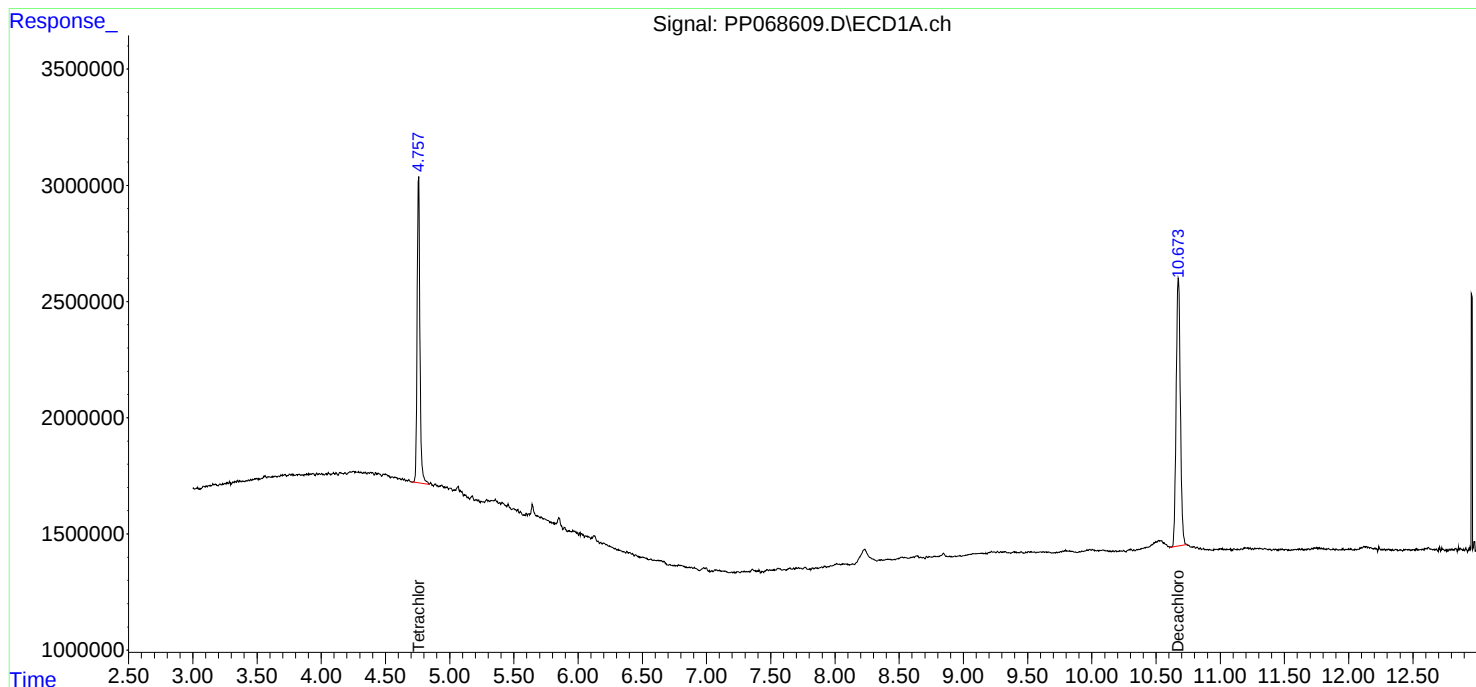
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

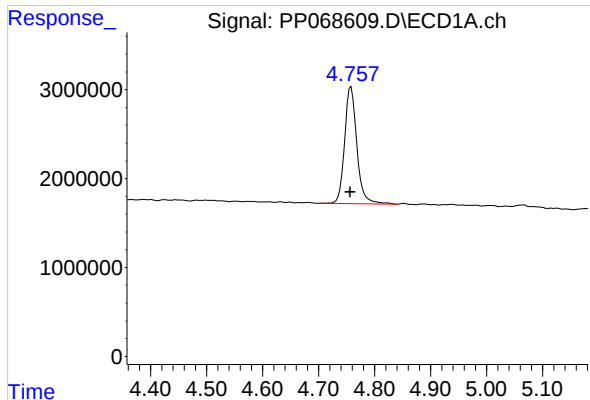
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP111924\
Data File : PP068609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 13:44
Operator : YP\AJ
Sample : PB165084BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB165084BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 03:54:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 11:04:08 2024
Response via : Initial Calibration
Integrator: ChemStation

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

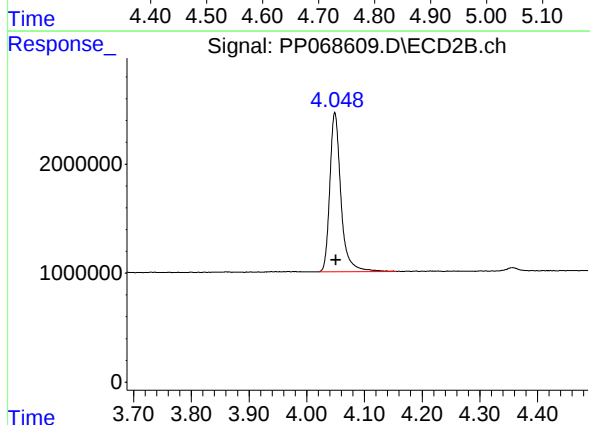




#1 Tetrachloro-m-xylene

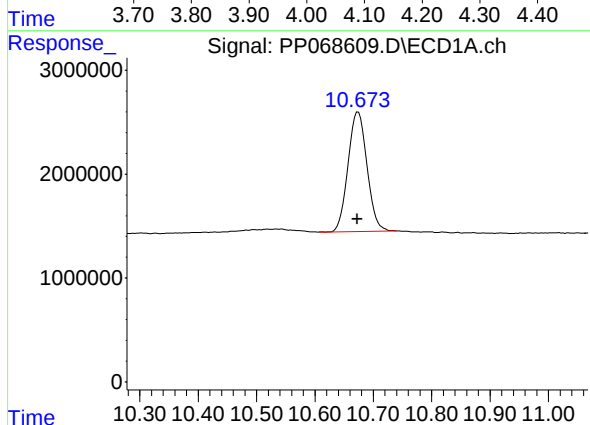
R.T.: 4.758 min
Delta R.T.: 0.001 min
Response: 19875867
Conc: 20.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB165084BL



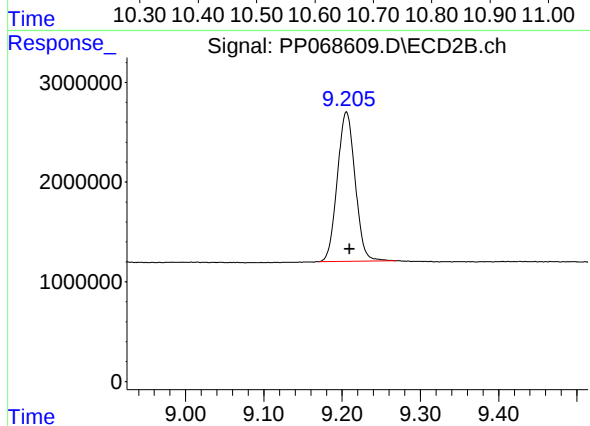
#1 Tetrachloro-m-xylene

R.T.: 4.049 min
Delta R.T.: -0.002 min
Response: 19540388
Conc: 20.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.674 min
Delta R.T.: 0.002 min
Response: 25961192
Conc: 20.74 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.205 min
Delta R.T.: -0.004 min
Response: 23730728
Conc: 20.98 ng/ml

Report of Analysis

Client:	BSI America Professional Services Inc.		Date Collected:	11/08/24	
Project:	PS 154 @ K154		Date Received:	11/08/24	
Client Sample ID:	PIBLK-PP068360.D		SDG No.:	P4888	
Lab Sample ID:	I.BLK-PP068360.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068360.D	1		11/08/24	PP110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.00015	U	0.00015	0.00050	mg/L
11104-28-2	Aroclor-1221	0.00023	U	0.00023	0.00050	mg/L
11141-16-5	Aroclor-1232	0.00037	U	0.00037	0.00050	mg/L
53469-21-9	Aroclor-1242	0.00016	U	0.00016	0.00050	mg/L
12672-29-6	Aroclor-1248	0.00012	U	0.00012	0.00050	mg/L
11097-69-1	Aroclor-1254	0.00011	U	0.00011	0.00050	mg/L
11096-82-5	Aroclor-1260	0.00015	U	0.00015	0.00050	mg/L
37324-23-5	Aroclor-1262	0.00014	U	0.00014	0.00050	mg/L
11100-14-4	Aroclor-1268	0.00012	U	0.00012	0.00050	mg/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.0		60 - 140	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		60 - 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\PP110724\
 Data File : PP068360.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 02:29
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 11:04:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 11:04:08 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.758	4.051	20425040	20909072	21.043	21.594
2) SA Decachlor...	10.673	9.211	29234671	26707741	23.360	23.611

Target Compounds

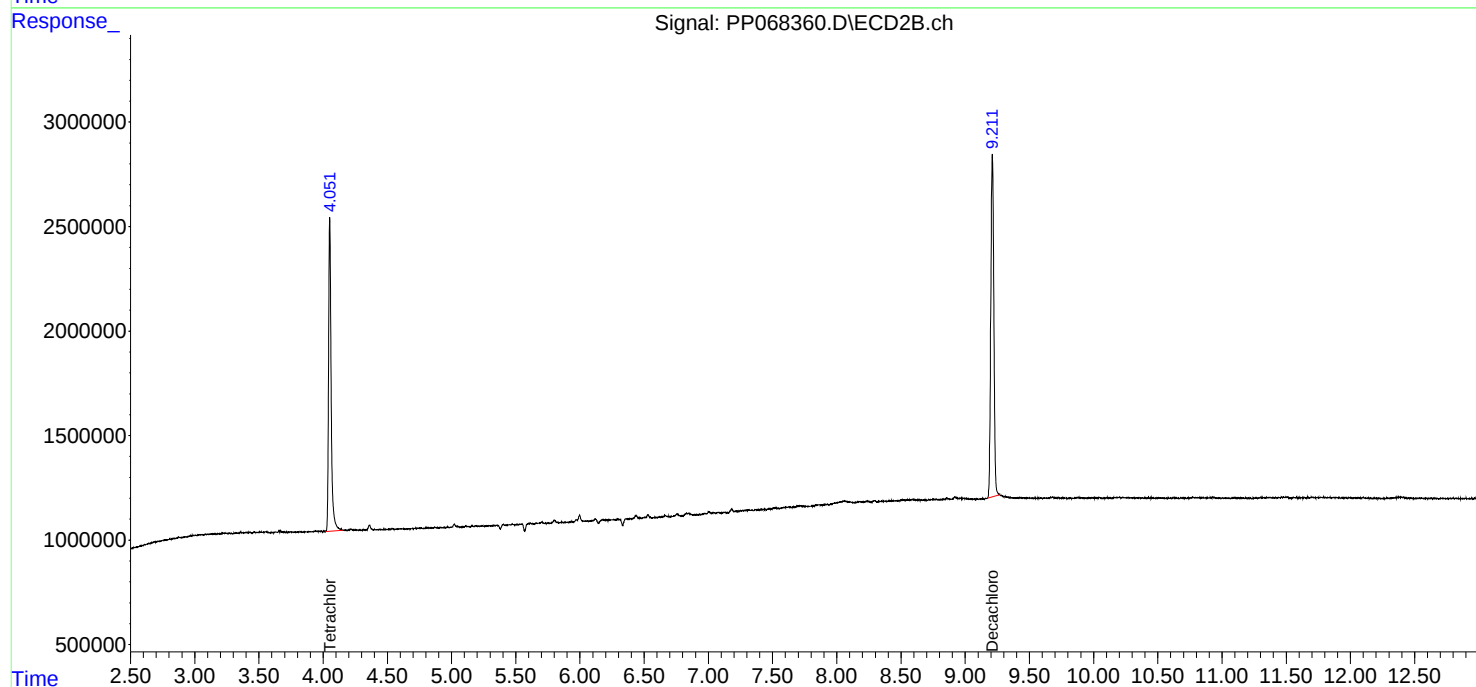
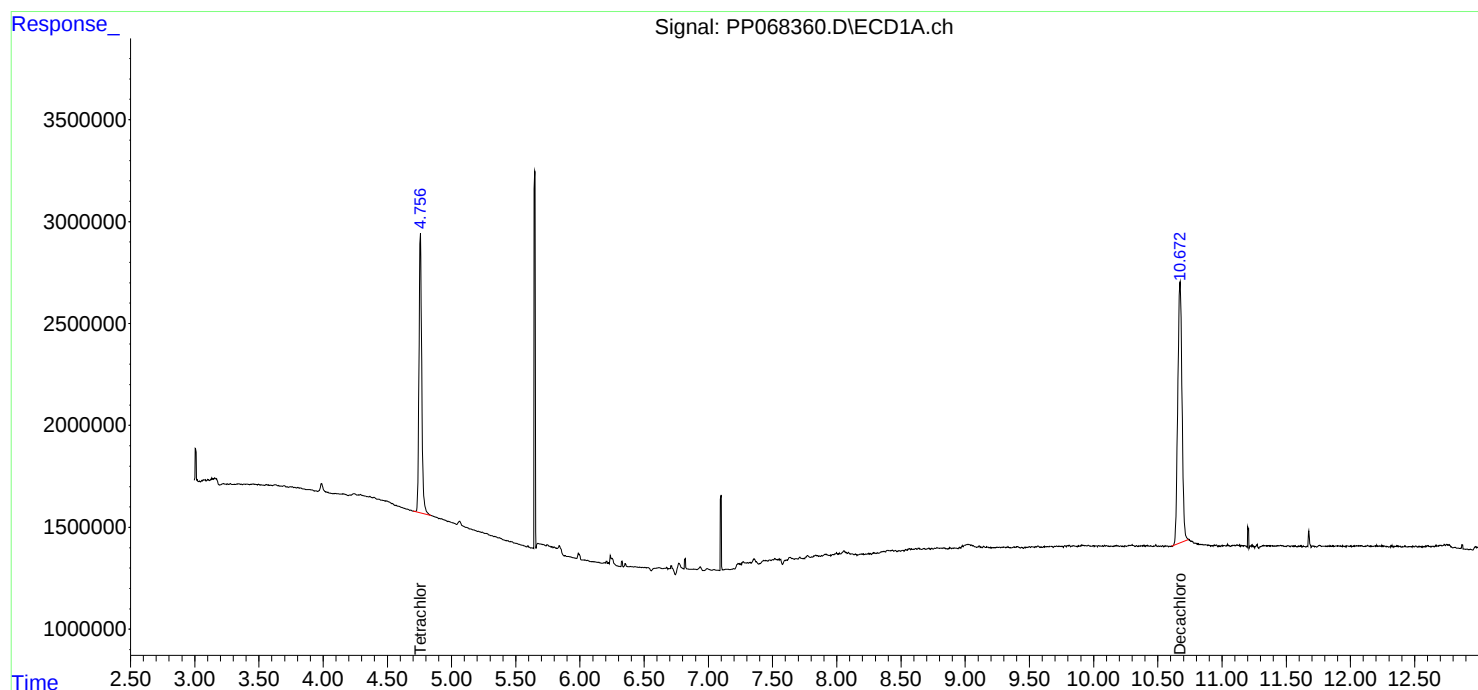
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

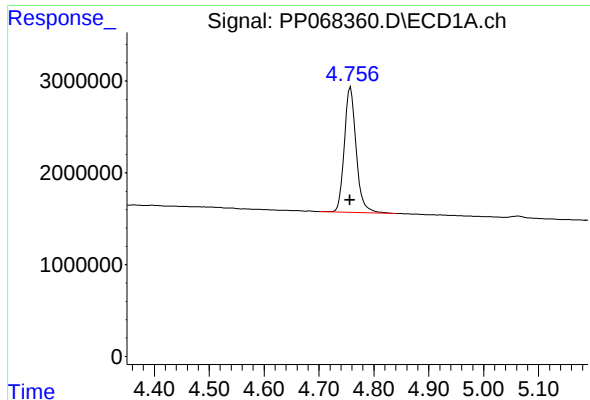
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110724\
Data File : PP068360.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 02:29
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 11:04:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 11:04:08 2024
Response via : Initial Calibration
Integrator: ChemStation

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

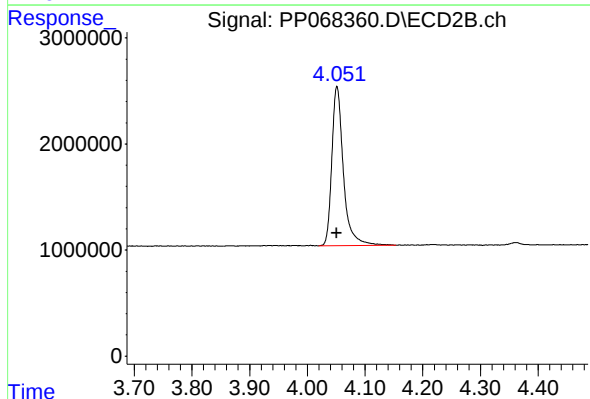




#1 Tetrachloro-m-xylene

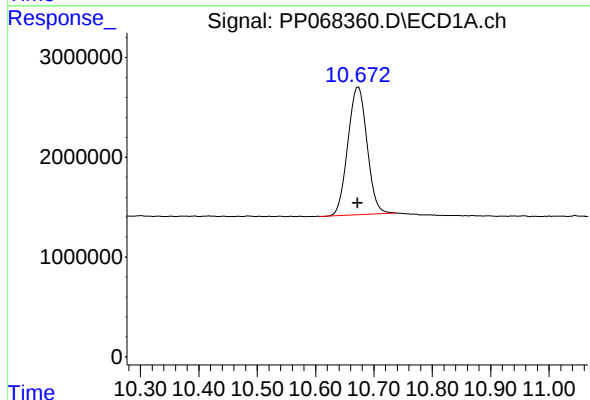
R.T.: 4.758 min
Delta R.T.: 0.000 min
Response: 20425040
Conc: 21.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



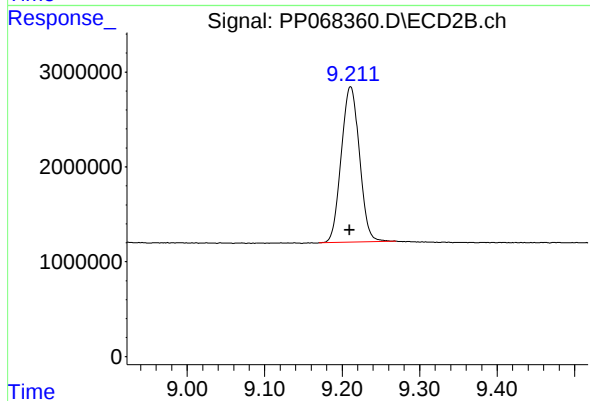
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 20909072
Conc: 21.59 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.673 min
Delta R.T.: 0.001 min
Response: 29234671
Conc: 23.36 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.211 min
Delta R.T.: 0.001 min
Response: 26707741
Conc: 23.61 ng/ml

Report of Analysis

Client:	BSI America Professional Services Inc.		Date Collected:	11/19/24	
Project:	PS 154 @ K154		Date Received:	11/19/24	
Client Sample ID:	PIBLK-PP068606.D		SDG No.:	P4888	
Lab Sample ID:	I.BLK-PP068606.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068606.D	1		11/19/24	PP111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.00015	U	0.00015	0.00050	mg/L
11104-28-2	Aroclor-1221	0.00023	U	0.00023	0.00050	mg/L
11141-16-5	Aroclor-1232	0.00037	U	0.00037	0.00050	mg/L
53469-21-9	Aroclor-1242	0.00016	U	0.00016	0.00050	mg/L
12672-29-6	Aroclor-1248	0.00012	U	0.00012	0.00050	mg/L
11097-69-1	Aroclor-1254	0.00011	U	0.00011	0.00050	mg/L
11096-82-5	Aroclor-1260	0.00015	U	0.00015	0.00050	mg/L
37324-23-5	Aroclor-1262	0.00014	U	0.00014	0.00050	mg/L
11100-14-4	Aroclor-1268	0.00012	U	0.00012	0.00050	mg/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.5		60 - 140	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.1		60 - 140	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\PP111924\
 Data File : PP068606.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Nov 2024 12:55
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 20 03:54:03 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 11:04:08 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.759	4.049	20847116	21298118	21.478	21.996
2) SA Decachlor...	10.675	9.206	27661808	25102631	22.103	22.192

Target Compounds

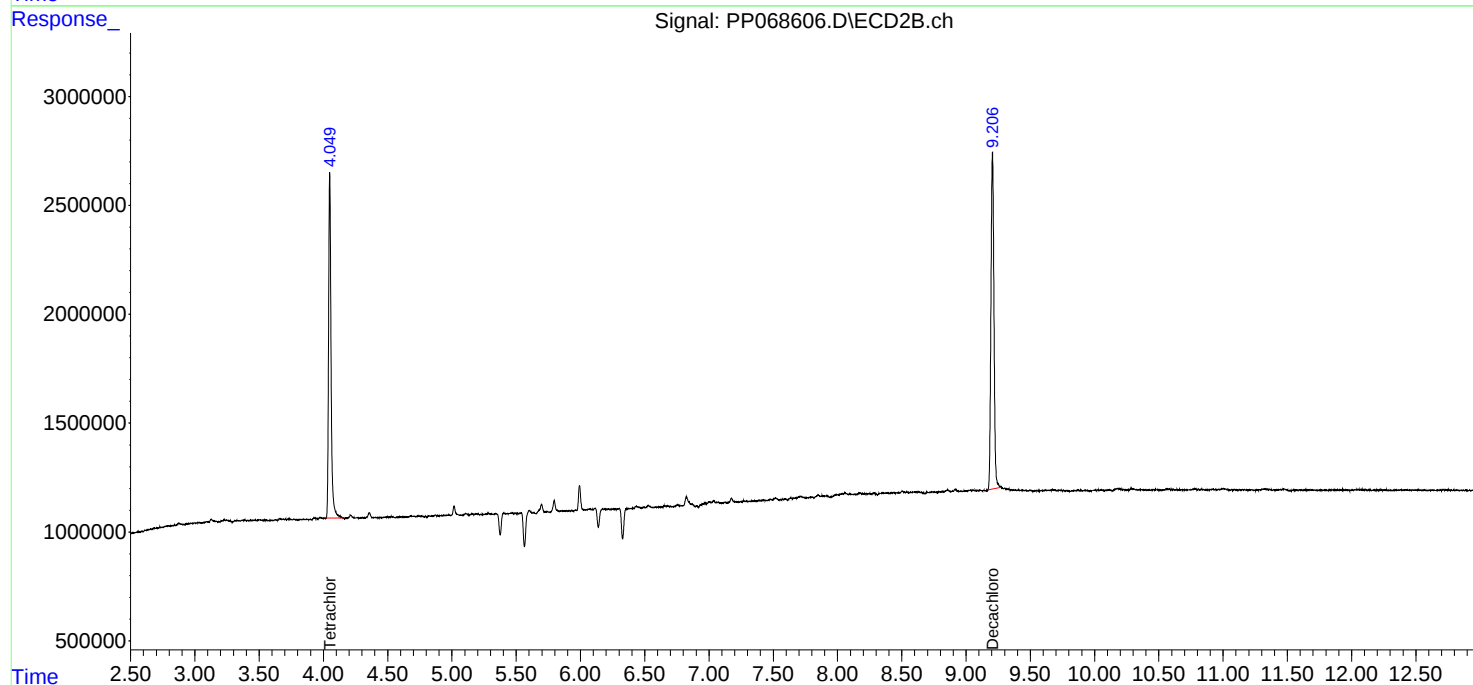
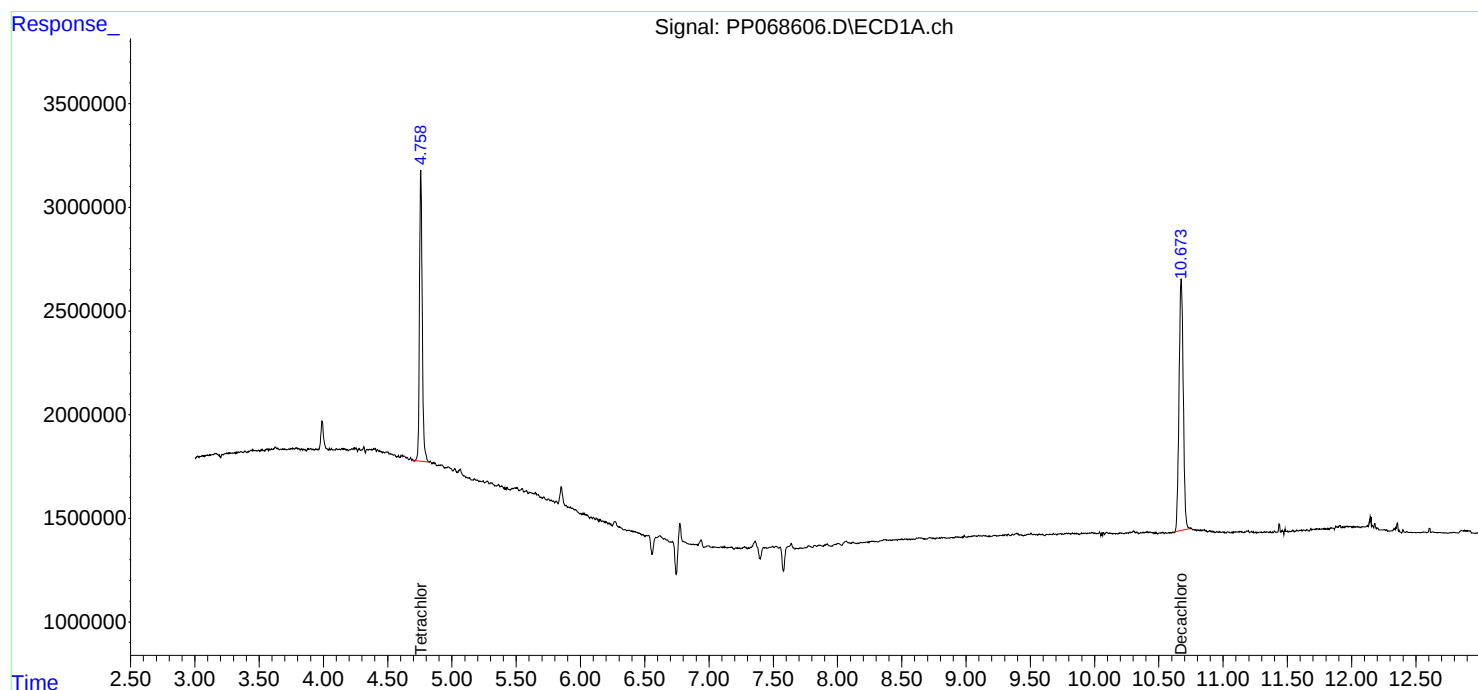
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

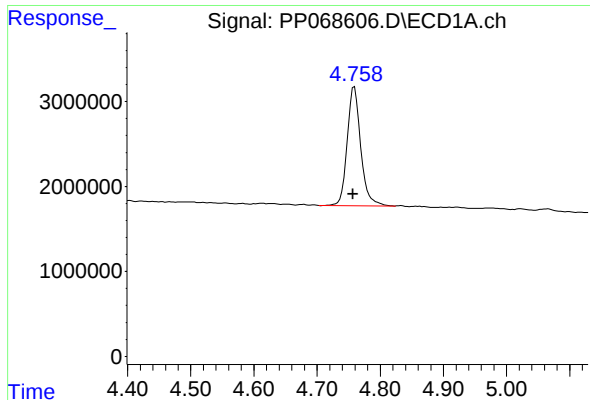
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP111924\
Data File : PP068606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 12:55
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 03:54:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 11:04:08 2024
Response via : 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

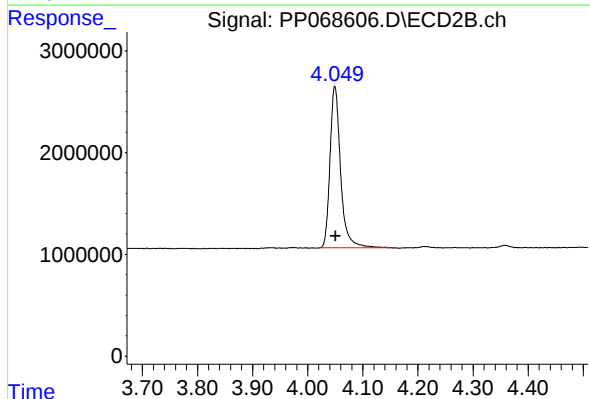




#1 Tetrachloro-m-xylene

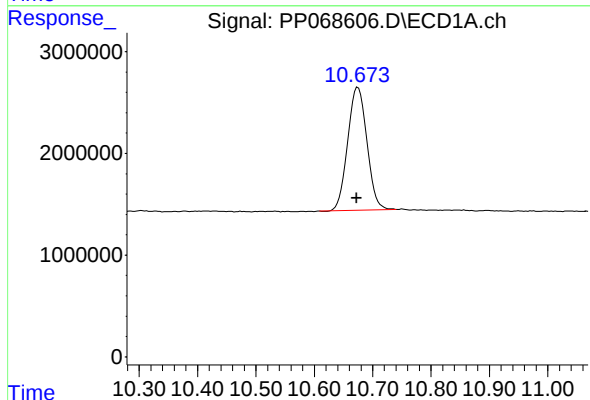
R.T.: 4.759 min
Delta R.T.: 0.002 min
Response: 20847116
Conc: 21.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



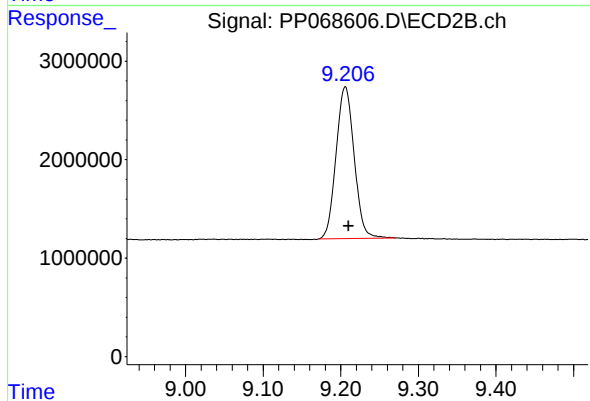
#1 Tetrachloro-m-xylene

R.T.: 4.049 min
Delta R.T.: -0.002 min
Response: 21298118
Conc: 22.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.675 min
Delta R.T.: 0.003 min
Response: 27661808
Conc: 22.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.206 min
Delta R.T.: -0.004 min
Response: 25102631
Conc: 22.19 ng/ml

Report of Analysis

Client:	BSI America Professional Services Inc.		Date Collected:	11/19/24	
Project:	PS 154 @ K154		Date Received:	11/19/24	
Client Sample ID:	PIBLK-PP068615.D		SDG No.:	P4888	
Lab Sample ID:	I.BLK-PP068615.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068615.D	1		11/19/24	PP111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.00015	U	0.00015	0.00050	mg/L
11104-28-2	Aroclor-1221	0.00023	U	0.00023	0.00050	mg/L
11141-16-5	Aroclor-1232	0.00037	U	0.00037	0.00050	mg/L
53469-21-9	Aroclor-1242	0.00016	U	0.00016	0.00050	mg/L
12672-29-6	Aroclor-1248	0.00012	U	0.00012	0.00050	mg/L
11097-69-1	Aroclor-1254	0.00011	U	0.00011	0.00050	mg/L
11096-82-5	Aroclor-1260	0.00015	U	0.00015	0.00050	mg/L
37324-23-5	Aroclor-1262	0.00014	U	0.00014	0.00050	mg/L
11100-14-4	Aroclor-1268	0.00012	U	0.00012	0.00050	mg/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.9		60 - 140	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.4		60 - 140	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\PP111924\
 Data File : PP068615.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Nov 2024 15:45
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 20 03:56:48 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 11:04:08 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.758	4.049	20317181	21211292	20.932	21.906
2) SA Decachlor...	10.674	9.206	28033122	25596191	22.400	22.628

Target Compounds

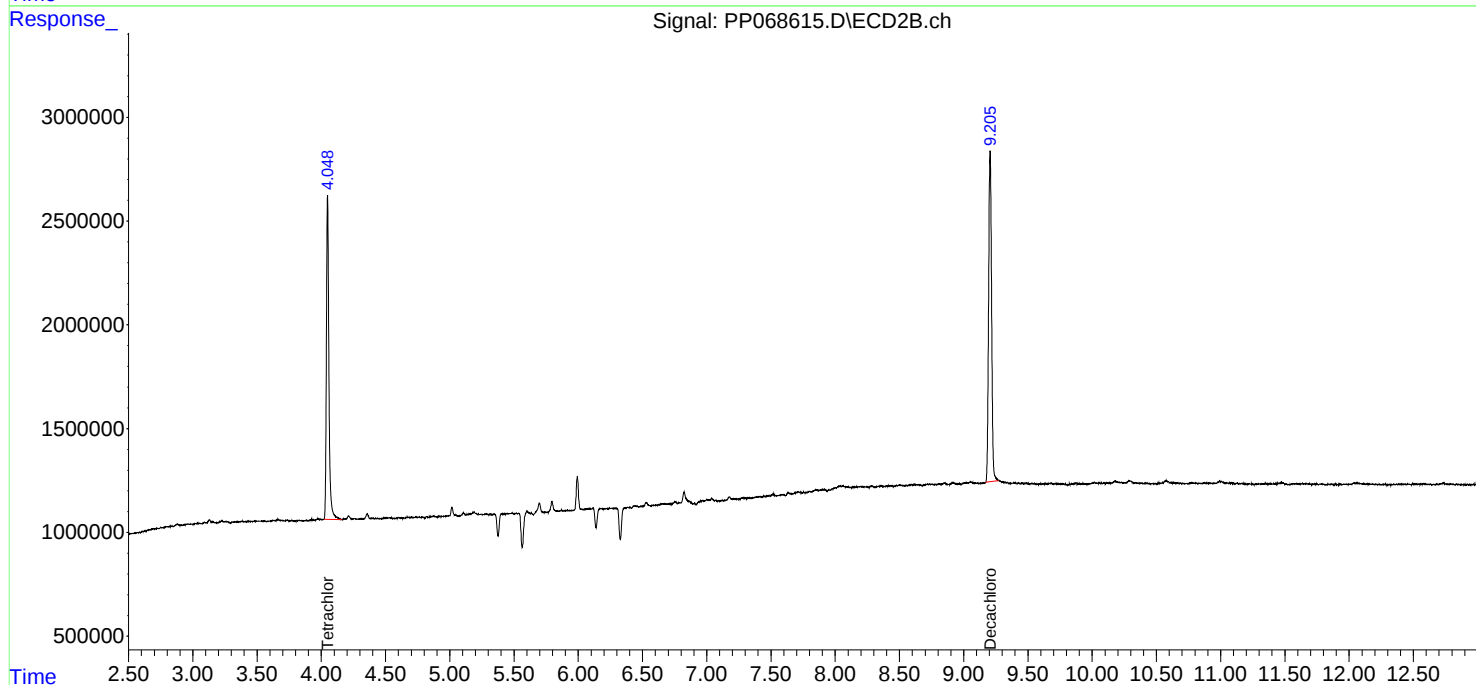
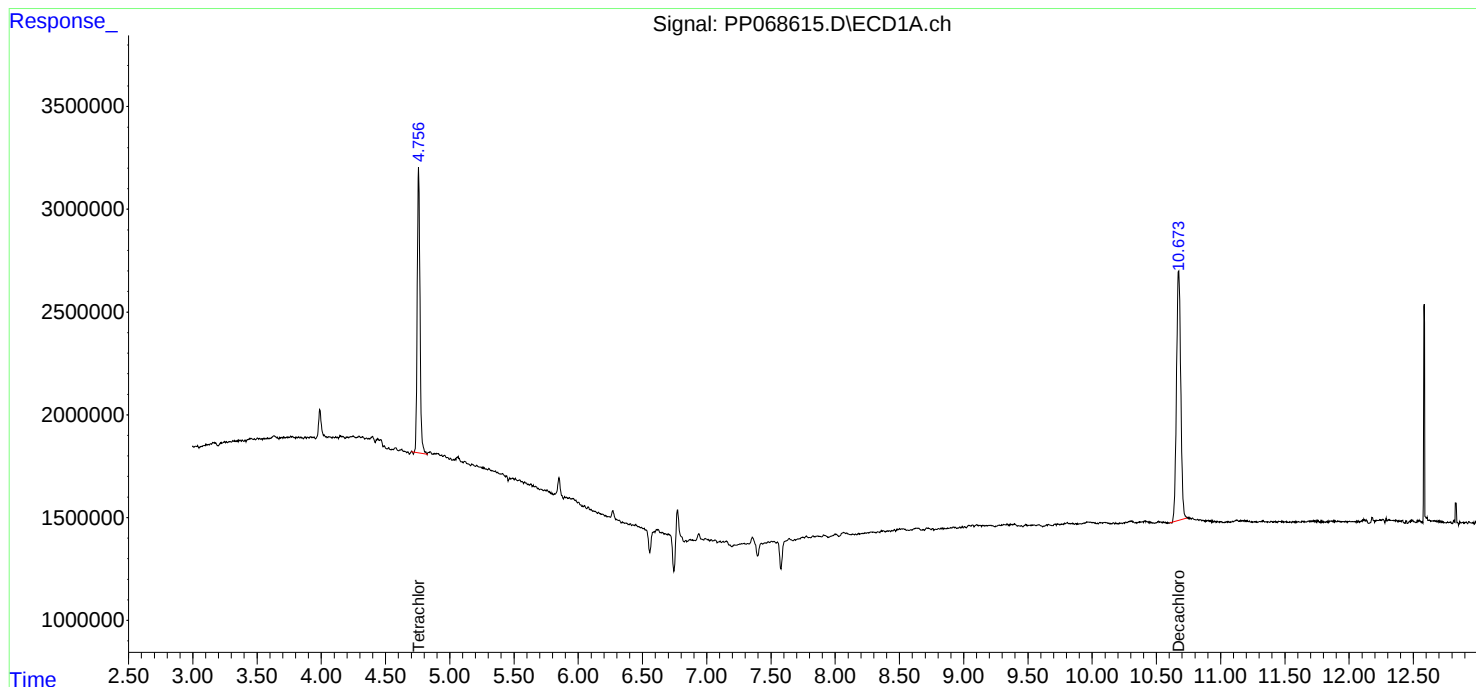
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

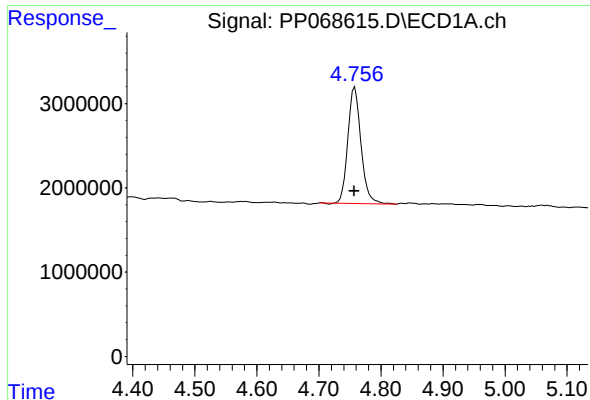
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP111924\
Data File : PP068615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 15:45
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 03:56:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 11:04:08 2024
Response via : Initial Calibration
Integrator: ChemStation

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

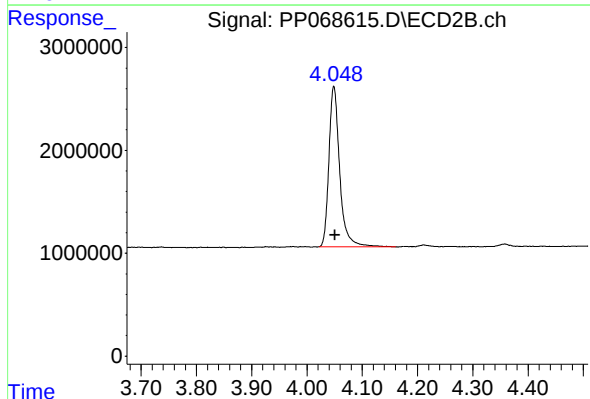




#1 Tetrachloro-m-xylene

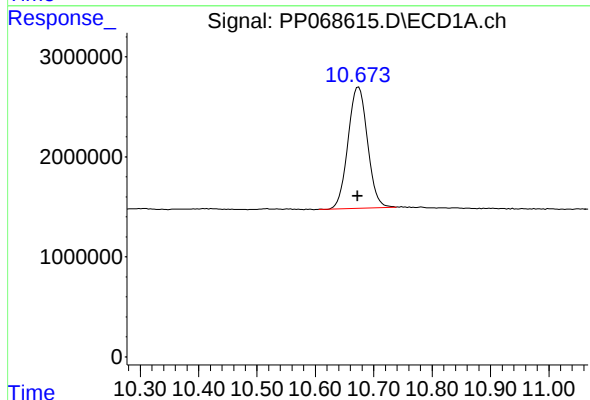
R.T.: 4.758 min
Delta R.T.: 0.000 min
Response: 20317181
Conc: 20.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



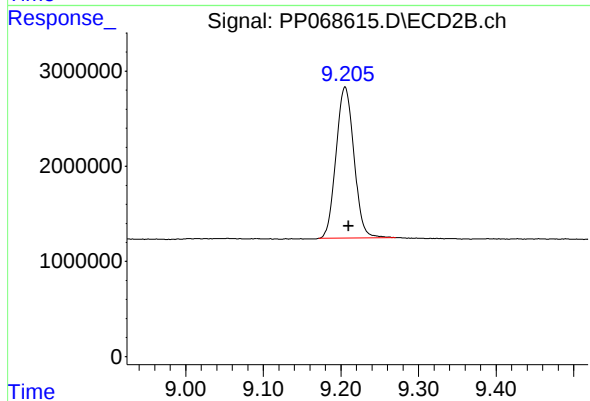
#1 Tetrachloro-m-xylene

R.T.: 4.049 min
Delta R.T.: -0.002 min
Response: 21211292
Conc: 21.91 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.674 min
Delta R.T.: 0.002 min
Response: 28033122
Conc: 22.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.206 min
Delta R.T.: -0.004 min
Response: 25596191
Conc: 22.63 ng/ml

Report of Analysis

Client:	BSI America Professional Services Inc.		Date Collected:		
Project:	PS 154 @ K154		Date Received:		
Client Sample ID:	PB165084BS		SDG No.:	P4888	
Lab Sample ID:	PB165084BS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068610.D	1	11/19/24 08:52	11/19/24 14:00	PB165084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	0.15		0.0034	0.017	mg/Kg
11104-28-2	Aroclor-1221	0.0064	U	0.0064	0.017	mg/Kg
11141-16-5	Aroclor-1232	0.0034	U	0.0034	0.017	mg/Kg
53469-21-9	Aroclor-1242	0.0034	U	0.0034	0.017	mg/Kg
12672-29-6	Aroclor-1248	0.0079	U	0.0079	0.017	mg/Kg
11097-69-1	Aroclor-1254	0.0027	U	0.0027	0.017	mg/Kg
37324-23-5	Aroclor-1262	0.0046	U	0.0046	0.017	mg/Kg
11100-14-4	Aroclor-1268	0.0034	U	0.0034	0.017	mg/Kg
11096-82-5	Aroclor-1260	0.13		0.0029	0.017	mg/Kg
Total PCBs	Total PCBs	0.28		0.0063	0.017	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		32 - 144	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.9		32 - 175	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\PP111924\
 Data File : PP068610.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Nov 2024 14:00
 Operator : YP\AJ
 Sample : PB165084BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB165084BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 20 03:55:14 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Nov 08 11:04:08 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.757	4.051	19744539	19888944	20.342	20.540
2) SA Decachlor...	10.673	9.208	25615484	23609599	20.468	20.872
Target Compounds						
3) L1 AR-1016-1	5.922	5.157	15838788	14217512	440.749	430.219
4) L1 AR-1016-2	5.944	5.176	24260225	22074231	458.170	472.251
5) L1 AR-1016-3	6.008	5.357	15395922	11264476	465.014	416.582
6) L1 AR-1016-4	6.106	5.397	12315445	9834481	468.587	416.804
7) L1 AR-1016-5	6.400	5.615	11924830	12031759	422.746	405.900
31) L7 AR-1260-1	7.524	6.658	23191799	22923685	428.651	411.934
32) L7 AR-1260-2	7.777	6.845	26737680	27339196	420.332	412.756
33) L7 AR-1260-3	8.138	7.002	18735205	25771602	348.290	416.400
34) L7 AR-1260-4	8.375	7.476	23553029	19741188	378.496m	374.333
35) L7 AR-1260-5	8.714	7.715	40783860	44390136	360.331	372.788

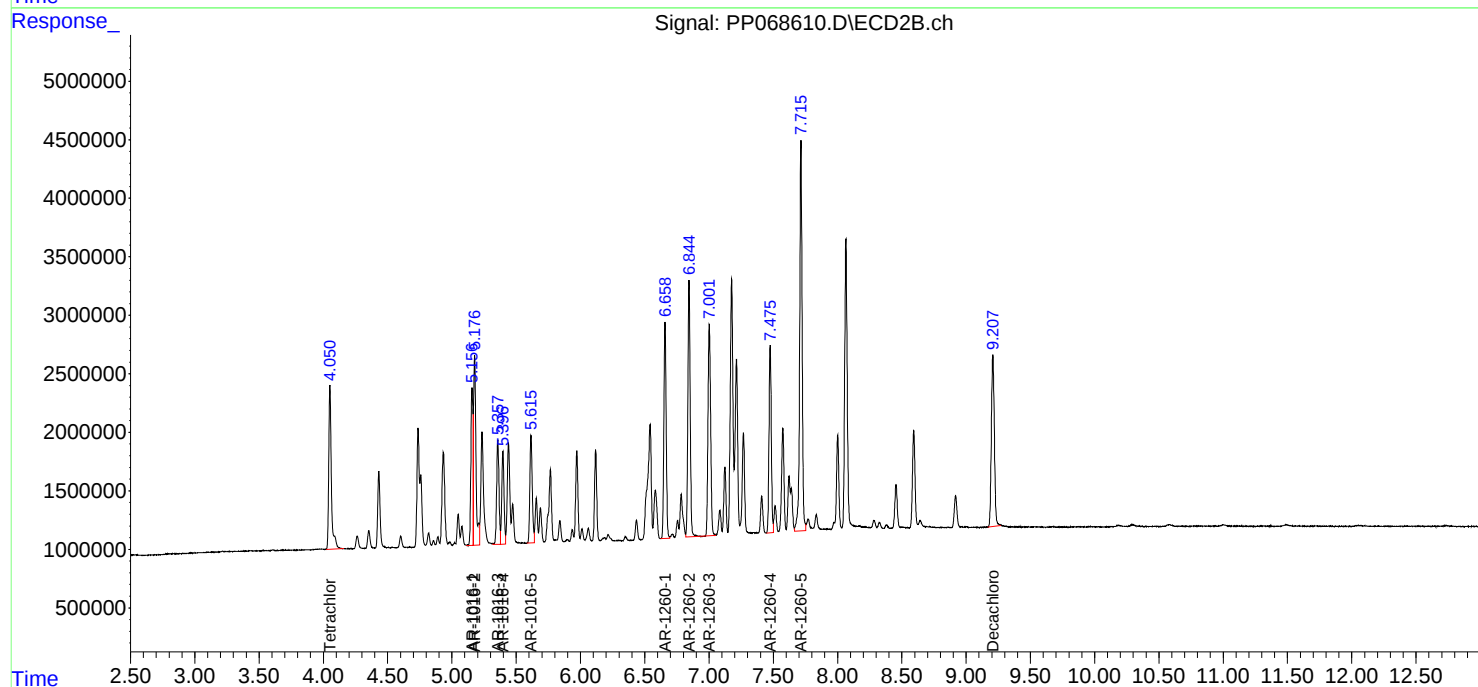
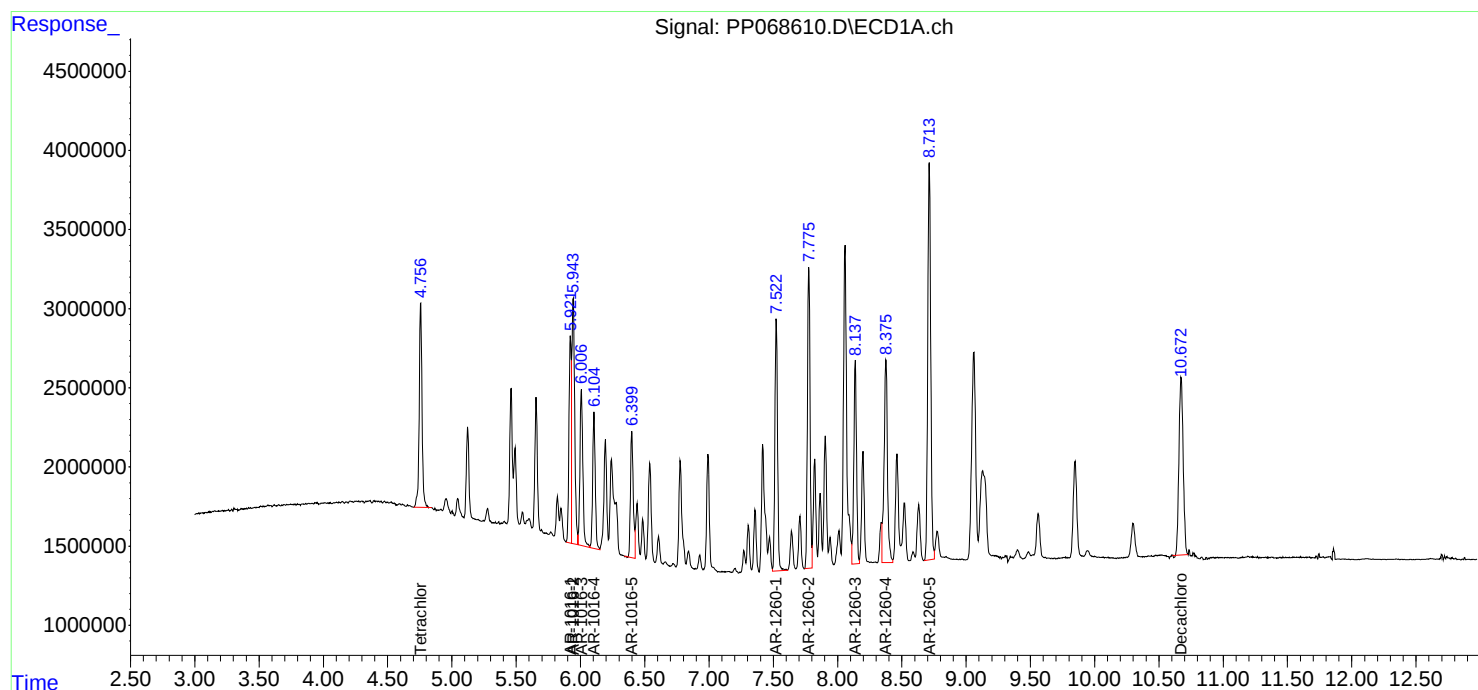
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP111924\
Data File : PP068610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 14:00
Operator : YP\AJ
Sample : PB165084BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB165084BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 03:55:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP110724.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Nov 08 11:04:08 2024
Response via : 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:	PP110724	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC1000	PP068361.D	AR-1016-1 #2	yogesh	11/11/2024 9:22:13 AM	Ankita	11/11/2024 9:48:18	Peak Integrated by Software
AR1660ICC1000	PP068361.D	AR-1016-2 #2	yogesh	11/11/2024 9:22:13 AM	Ankita	11/11/2024 9:48:18	Peak Integrated by Software
AR1660ICC250	PP068364.D	AR-1016-1 #2	yogesh	11/11/2024 9:22:16 AM	Ankita	11/11/2024 9:48:19	Peak Integrated by Software
AR1660ICC250	PP068364.D	AR-1016-2 #2	yogesh	11/11/2024 9:22:16 AM	Ankita	11/11/2024 9:48:19	Peak Integrated by Software
AR1660ICC250	PP068364.D	AR-1016-5	yogesh	11/11/2024 9:22:16 AM	Ankita	11/11/2024 9:48:19	Peak Integrated by Software
AR1660ICC250	PP068364.D	AR-1016-5 #2	yogesh	11/11/2024 9:22:16 AM	Ankita	11/11/2024 9:48:19	Peak Integrated by Software
AR1660ICC250	PP068364.D	AR-1260-1	yogesh	11/11/2024 9:22:16 AM	Ankita	11/11/2024 9:48:19	Peak Integrated by Software
AR1660ICC250	PP068364.D	AR-1260-1 #2	yogesh	11/11/2024 9:22:16 AM	Ankita	11/11/2024 9:48:19	Peak Integrated by Software
AR1660ICC250	PP068364.D	AR-1260-2	yogesh	11/11/2024 9:22:16 AM	Ankita	11/11/2024 9:48:19	Peak Integrated by Software
AR1660ICC250	PP068364.D	AR-1260-2 #2	yogesh	11/11/2024 9:22:16 AM	Ankita	11/11/2024 9:48:19	Peak Integrated by Software
AR1660ICC050	PP068365.D	AR-1016-1	yogesh	11/11/2024 9:22:18 AM	Ankita	11/11/2024 9:48:21	Peak Integrated by Software
AR1660ICC050	PP068365.D	AR-1016-2	yogesh	11/11/2024 9:22:18 AM	Ankita	11/11/2024 9:48:21	Peak Integrated by Software
AR1660ICC050	PP068365.D	AR-1016-3	yogesh	11/11/2024 9:22:18 AM	Ankita	11/11/2024 9:48:21	Peak Integrated by Software

Manual Integration Report

Sequence:	PP110724	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP068365.D	AR-1016-4	yogesh	11/11/2024 9:22:18 AM	Ankita	11/11/2024 9:48:21	Peak Integrated by Software
AR1660ICC050	PP068365.D	AR-1016-5 #2	yogesh	11/11/2024 9:22:18 AM	Ankita	11/11/2024 9:48:21	Peak Integrated by Software
AR1660ICC050	PP068365.D	AR-1260-1 #2	yogesh	11/11/2024 9:22:18 AM	Ankita	11/11/2024 9:48:21	Peak Integrated by Software
AR1660ICC050	PP068365.D	AR-1260-2	yogesh	11/11/2024 9:22:18 AM	Ankita	11/11/2024 9:48:21	Peak Integrated by Software
AR1660ICC050	PP068365.D	AR-1260-2 #2	yogesh	11/11/2024 9:22:18 AM	Ankita	11/11/2024 9:48:21	Peak Integrated by Software
AR1660ICC050	PP068365.D	AR-1260-4	yogesh	11/11/2024 9:22:18 AM	Ankita	11/11/2024 9:48:21	Peak Integrated by Software
AR1242ICC750	PP068369.D	AR-1242-5	yogesh	11/11/2024 9:22:20 AM	Ankita	11/11/2024 9:48:23	Peak Integrated by Software
AR1242ICC250	PP068371.D	AR-1242-5	yogesh	11/11/2024 9:22:21 AM	Ankita	11/11/2024 9:48:25	Peak Integrated by Software
AR1242ICC250	PP068371.D	AR-1242-5 #2	yogesh	11/11/2024 9:22:21 AM	Ankita	11/11/2024 9:48:25	Peak Integrated by Software
AR1248ICC250	PP068376.D	AR-1248-3	yogesh	11/11/2024 9:22:24 AM	Ankita	11/11/2024 9:48:26	Peak Integrated by Software
AR1254ICC100 0	PP068378.D	AR-1254-1	yogesh	11/11/2024 9:22:26 AM	Ankita	11/11/2024 9:48:28	Peak Integrated by Software
AR1254ICC100 0	PP068378.D	AR-1254-5	yogesh	11/11/2024 9:22:26 AM	Ankita	11/11/2024 9:48:28	Peak Integrated by Software
AR1254ICC750	PP068379.D	AR-1254-1	yogesh	11/11/2024 9:22:27 AM	Ankita	11/11/2024 9:48:29	Peak Integrated by Software

Manual Integration Report

Sequence:	PP110724	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC500	PP068380.D	AR-1254-1	yogesh	11/11/2024 9:22:29 AM	Ankita	11/11/2024 9:48:31	Peak Integrated by Software
AR1254ICC500	PP068380.D	AR-1254-5	yogesh	11/11/2024 9:22:29 AM	Ankita	11/11/2024 9:48:31	Peak Integrated by Software
AR1254ICC250	PP068381.D	AR-1254-1	yogesh	11/11/2024 9:22:31 AM	Ankita	11/11/2024 9:48:32	Peak Integrated by Software
AR1254ICC250	PP068381.D	AR-1254-5	yogesh	11/11/2024 9:22:31 AM	Ankita	11/11/2024 9:48:32	Peak Integrated by Software
AR1254ICC050	PP068382.D	AR-1254-1	yogesh	11/11/2024 9:22:33 AM	Ankita	11/11/2024 9:48:34	Peak Integrated by Software
AR1254ICC050	PP068382.D	AR-1254-1 #2	yogesh	11/11/2024 9:22:33 AM	Ankita	11/11/2024 9:48:34	Peak Integrated by Software
AR1254ICC050	PP068382.D	AR-1254-2 #2	yogesh	11/11/2024 9:22:33 AM	Ankita	11/11/2024 9:48:34	Peak Integrated by Software
AR1254ICC050	PP068382.D	AR-1254-3	yogesh	11/11/2024 9:22:33 AM	Ankita	11/11/2024 9:48:34	Peak Integrated by Software
AR1254ICC050	PP068382.D	AR-1254-3 #2	yogesh	11/11/2024 9:22:33 AM	Ankita	11/11/2024 9:48:34	Peak Integrated by Software
AR1254ICC050	PP068382.D	AR-1254-4	yogesh	11/11/2024 9:22:33 AM	Ankita	11/11/2024 9:48:34	Peak Integrated by Software
AR1254ICC050	PP068382.D	AR-1254-4 #2	yogesh	11/11/2024 9:22:33 AM	Ankita	11/11/2024 9:48:34	Peak Integrated by Software
AR1254ICC050	PP068382.D	AR-1254-5	yogesh	11/11/2024 9:22:33 AM	Ankita	11/11/2024 9:48:34	Peak Integrated by Software
AR1268ICC100 0	PP068384.D	AR-1268-1	yogesh	11/11/2024 9:22:35 AM	Ankita	11/11/2024 9:48:36	Peak Integrated by Software

Manual Integration Report

Sequence:	PP110724	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1268ICC1000	PP068384.D	AR-1268-3	yogesh	11/11/2024 9:22:35 AM	Ankita	11/11/2024 9:48:36	Peak Integrated by Software
AR1268ICC750	PP068385.D	AR-1268-1	yogesh	11/11/2024 9:22:37 AM	Ankita	11/11/2024 9:48:37	Peak Integrated by Software
AR1268ICC750	PP068385.D	AR-1268-3	yogesh	11/11/2024 9:22:37 AM	Ankita	11/11/2024 9:48:37	Peak Integrated by Software
AR1268ICC250	PP068387.D	AR-1268-1	yogesh	11/11/2024 9:22:38 AM	Ankita	11/11/2024 9:48:39	Peak Integrated by Software
AR1268ICC250	PP068387.D	AR-1268-3	yogesh	11/11/2024 9:22:38 AM	Ankita	11/11/2024 9:48:39	Peak Integrated by Software
AR1268ICC050	PP068388.D	AR-1268-1	yogesh	11/11/2024 9:22:40 AM	Ankita	11/11/2024 9:48:41	Peak Integrated by Software
AR1268ICC050	PP068388.D	AR-1268-4	yogesh	11/11/2024 9:22:40 AM	Ankita	11/11/2024 9:48:41	Peak Integrated by Software
AR1242ICV500	PP068390.D	AR-1242-4	yogesh	11/11/2024 9:22:42 AM	Ankita	11/11/2024 9:48:42	Peak Integrated by Software
AR1242ICV500	PP068390.D	AR-1242-5	yogesh	11/11/2024 9:22:42 AM	Ankita	11/11/2024 9:48:42	Peak Integrated by Software
AR1242ICV500	PP068390.D	AR-1242-5 #2	yogesh	11/11/2024 9:22:42 AM	Ankita	11/11/2024 9:48:42	Peak Integrated by Software
AR1254ICV500	PP068392.D	AR-1254-1	yogesh	11/11/2024 9:22:43 AM	Ankita	11/11/2024 9:48:44	Peak Integrated by Software
AR1254ICV500	PP068392.D	AR-1254-4	yogesh	11/11/2024 9:22:43 AM	Ankita	11/11/2024 9:48:44	Peak Integrated by Software
AR1254ICV500	PP068392.D	AR-1254-5	yogesh	11/11/2024 9:22:43 AM	Ankita	11/11/2024 9:48:44	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PP110724

Instrument

ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1268ICV500	PP068393.D	AR-1268-1	yogesh	11/11/2024 9:22:45 AM	Ankita	11/11/2024 9:48:45	Peak Integrated by Software
AR1268ICV500	PP068393.D	AR-1268-3	yogesh	11/11/2024 9:22:45 AM	Ankita	11/11/2024 9:48:45	Peak Integrated by Software

Manual Integration Report

Sequence:	PP111924	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP068602.D	AR-1016-1 #2	yogesh	11/20/2024 8:01:22 AM	Ankita	11/20/2024 12:02:29	Peak Integrated by Software
AR1660CCC500	PP068602.D	AR-1016-2 #2	yogesh	11/20/2024 8:01:22 AM	Ankita	11/20/2024 12:02:29	Peak Integrated by Software
AR1660CCC500	PP068602.D	AR-1016-3 #2	yogesh	11/20/2024 8:01:22 AM	Ankita	11/20/2024 12:02:29	Peak Integrated by Software
AR1660CCC500	PP068602.D	AR-1016-4 #2	yogesh	11/20/2024 8:01:22 AM	Ankita	11/20/2024 12:02:29	Peak Integrated by Software
AR1254CCC500	PP068605.D	AR-1254-1	yogesh	11/20/2024 8:01:24 AM	Ankita	11/20/2024 12:02:30	Peak Integrated by Software
AR1254CCC500	PP068605.D	AR-1254-5	yogesh	11/20/2024 8:01:24 AM	Ankita	11/20/2024 12:02:30	Peak Integrated by Software
PB165084BS	PP068610.D	AR-1260-4	yogesh	11/20/2024 8:01:27 AM	Ankita	11/20/2024 12:02:33	Peak Integrated by Software
AR1660CCC500	PP068614.D	AR-1016-1 #2	yogesh	11/20/2024 8:01:30 AM	Ankita	11/20/2024 12:02:35	Peak Integrated by Software
AR1660CCC500	PP068614.D	AR-1016-2 #2	yogesh	11/20/2024 8:01:30 AM	Ankita	11/20/2024 12:02:35	Peak Integrated by Software
AR1660CCC500	PP068614.D	AR-1016-3 #2	yogesh	11/20/2024 8:01:30 AM	Ankita	11/20/2024 12:02:35	Peak Integrated by Software
AR1660CCC500	PP068614.D	AR-1016-4 #2	yogesh	11/20/2024 8:01:30 AM	Ankita	11/20/2024 12:02:35	Peak Integrated by Software

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP110724

Review By	yogesh	Review On	11/11/2024 9:23:03 AM
Supervise By	Ankita	Supervise On	11/11/2024 9:48:52 AM
SubDirectory	PP110724	HP Acquire Method	HP Processing Method PP110724
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,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP068359.D	08 Nov 2024 02:13	YP\AJ	Ok
2	I.BLK	PP068360.D	08 Nov 2024 02:29	YP\AJ	Ok
3	AR1660ICC1000	PP068361.D	08 Nov 2024 02:45	YP\AJ	Ok,M
4	AR1660ICC750	PP068362.D	08 Nov 2024 03:02	YP\AJ	Ok
5	AR1660ICC500	PP068363.D	08 Nov 2024 03:18	YP\AJ	Ok
6	AR1660ICC250	PP068364.D	08 Nov 2024 03:34	YP\AJ	Ok,M
7	AR1660ICC050	PP068365.D	08 Nov 2024 03:51	YP\AJ	Ok,M
8	AR1221ICC500	PP068366.D	08 Nov 2024 04:07	YP\AJ	Ok
9	AR1232ICC500	PP068367.D	08 Nov 2024 04:23	YP\AJ	Ok
10	AR1242ICC1000	PP068368.D	08 Nov 2024 04:40	YP\AJ	Ok
11	AR1242ICC750	PP068369.D	08 Nov 2024 04:56	YP\AJ	Ok,M
12	AR1242ICC500	PP068370.D	08 Nov 2024 05:12	YP\AJ	Ok
13	AR1242ICC250	PP068371.D	08 Nov 2024 05:29	YP\AJ	Ok,M
14	AR1242ICC050	PP068372.D	08 Nov 2024 05:45	YP\AJ	Ok
15	AR1248ICC1000	PP068373.D	08 Nov 2024 06:01	YP\AJ	Ok
16	AR1248ICC750	PP068374.D	08 Nov 2024 06:18	YP\AJ	Ok
17	AR1248ICC500	PP068375.D	08 Nov 2024 06:34	YP\AJ	Ok
18	AR1248ICC250	PP068376.D	08 Nov 2024 06:50	YP\AJ	Ok,M
19	AR1248ICC050	PP068377.D	08 Nov 2024 07:07	YP\AJ	Ok
20	AR1254ICC1000	PP068378.D	08 Nov 2024 07:23	YP\AJ	Ok,M
21	AR1254ICC750	PP068379.D	08 Nov 2024 07:39	YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP110724

Review By	yogesh	Review On	11/11/2024 9:23:03 AM
Supervise By	Ankita	Supervise On	11/11/2024 9:48:52 AM
SubDirectory	PP110724	HP Acquire Method	HP Processing Method PP110724
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,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1254ICC500	PP068380.D	08 Nov 2024 07:56	YP\AJ	Ok,M
23	AR1254ICC250	PP068381.D	08 Nov 2024 08:12	YP\AJ	Ok,M
24	AR1254ICC050	PP068382.D	08 Nov 2024 08:28	YP\AJ	Ok,M
25	AR1262ICC500	PP068383.D	08 Nov 2024 08:45	YP\AJ	Ok
26	AR1268ICC1000	PP068384.D	08 Nov 2024 09:01	YP\AJ	Ok,M
27	AR1268ICC750	PP068385.D	08 Nov 2024 09:17	YP\AJ	Ok,M
28	AR1268ICC500	PP068386.D	08 Nov 2024 09:34	YP\AJ	Ok
29	AR1268ICC250	PP068387.D	08 Nov 2024 09:50	YP\AJ	Ok,M
30	AR1268ICC050	PP068388.D	08 Nov 2024 10:39	YP\AJ	Ok,M
31	PP110724ICV500	PP068389.D	08 Nov 2024 10:55	YP\AJ	Ok,M
32	AR1242ICV500	PP068390.D	08 Nov 2024 11:12	YP\AJ	Ok,M
33	AR1248ICV500	PP068391.D	08 Nov 2024 11:28	YP\AJ	Ok,M
34	AR1254ICV500	PP068392.D	08 Nov 2024 11:45	YP\AJ	Ok,M
35	AR1268ICV500	PP068393.D	08 Nov 2024 12:01	YP\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP111924

Review By	yogesh	Review On	11/20/2024 8:01:50 AM
Supervise By	Ankita	Supervise On	11/20/2024 12:02:39 PM
SubDirectory	PP111924	HP Acquire Method	HP Processing Method PP110724
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,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	AR1660CCC500	PP068602.D	19 Nov 2024 11:50	YP\AJ	Ok,M
2	AR1242CCC500	PP068603.D	19 Nov 2024 12:06	YP\AJ	Ok
3	AR1248CCC500	PP068604.D	19 Nov 2024 12:22	YP\AJ	Ok
4	AR1254CCC500	PP068605.D	19 Nov 2024 12:39	YP\AJ	Ok,M
5	I.BLK	PP068606.D	19 Nov 2024 12:55	YP\AJ	Ok
6	P4852-02	PP068607.D	19 Nov 2024 13:11	YP\AJ	Ok
7	P4890-02RE	PP068608.D	19 Nov 2024 13:28	YP\AJ	Confirms
8	PB165084BL	PP068609.D	19 Nov 2024 13:44	YP\AJ	Ok
9	PB165084BS	PP068610.D	19 Nov 2024 14:00	YP\AJ	Ok,M
10	P4888-01	PP068611.D	19 Nov 2024 14:17	YP\AJ	Ok
11	P4888-02	PP068612.D	19 Nov 2024 14:33	YP\AJ	Ok
12	P4890-01	PP068613.D	19 Nov 2024 14:51	YP\AJ	Ok,M
13	AR1660CCC500	PP068614.D	19 Nov 2024 15:29	YP\AJ	Ok,M
14	I.BLK	PP068615.D	19 Nov 2024 15:45	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP110724

Review By	yogesh	Review On	11/11/2024 9:23:03 AM
Supervise By	Ankita	Supervise On	11/11/2024 9:48:52 AM
SubDirectory	PP110724	HP Acquire Method	HP Processing Method PP110724

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,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP068359.D	08 Nov 2024 02:13		YP\AJ	Ok
2	I.BLK	I.BLK	PP068360.D	08 Nov 2024 02:29		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP068361.D	08 Nov 2024 02:45		YP\AJ	Ok,M
4	AR1660ICC750	AR1660ICC750	PP068362.D	08 Nov 2024 03:02		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP068363.D	08 Nov 2024 03:18		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP068364.D	08 Nov 2024 03:34		YP\AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PP068365.D	08 Nov 2024 03:51		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP068366.D	08 Nov 2024 04:07		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP068367.D	08 Nov 2024 04:23		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP068368.D	08 Nov 2024 04:40		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP068369.D	08 Nov 2024 04:56		YP\AJ	Ok,M
12	AR1242ICC500	AR1242ICC500	PP068370.D	08 Nov 2024 05:12		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP068371.D	08 Nov 2024 05:29		YP\AJ	Ok,M
14	AR1242ICC050	AR1242ICC050	PP068372.D	08 Nov 2024 05:45		YP\AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PP068373.D	08 Nov 2024 06:01		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP068374.D	08 Nov 2024 06:18		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP068375.D	08 Nov 2024 06:34		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP068376.D	08 Nov 2024 06:50		YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP110724

Review By	yogesh	Review On	11/11/2024 9:23:03 AM
Supervise By	Ankita	Supervise On	11/11/2024 9:48:52 AM
SubDirectory	PP110724	HP Acquire Method	HP Processing Method PP110724
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,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248ICC050	AR1248ICC050	PP068377.D	08 Nov 2024 07:07		YPIAJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PP068378.D	08 Nov 2024 07:23		YPIAJ	Ok,M
21	AR1254ICC750	AR1254ICC750	PP068379.D	08 Nov 2024 07:39		YPIAJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP068380.D	08 Nov 2024 07:56		YPIAJ	Ok,M
23	AR1254ICC250	AR1254ICC250	PP068381.D	08 Nov 2024 08:12		YPIAJ	Ok,M
24	AR1254ICC050	AR1254ICC050	PP068382.D	08 Nov 2024 08:28		YPIAJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP068383.D	08 Nov 2024 08:45		YPIAJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP068384.D	08 Nov 2024 09:01		YPIAJ	Ok,M
27	AR1268ICC750	AR1268ICC750	PP068385.D	08 Nov 2024 09:17		YPIAJ	Ok,M
28	AR1268ICC500	AR1268ICC500	PP068386.D	08 Nov 2024 09:34		YPIAJ	Ok
29	AR1268ICC250	AR1268ICC250	PP068387.D	08 Nov 2024 09:50		YPIAJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PP068388.D	08 Nov 2024 10:39		YPIAJ	Ok,M
31	PP110724ICV500	ICVPP110724	PP068389.D	08 Nov 2024 10:55		YPIAJ	Ok,M
32	AR1242ICV500	ICVPP110724	PP068390.D	08 Nov 2024 11:12		YPIAJ	Ok,M
33	AR1248ICV500	ICVPP110724	PP068391.D	08 Nov 2024 11:28		YPIAJ	Ok,M
34	AR1254ICV500	ICVPP110724	PP068392.D	08 Nov 2024 11:45		YPIAJ	Ok,M
35	AR1268ICV500	ICVPP110724	PP068393.D	08 Nov 2024 12:01		YPIAJ	Ok,M

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP111924

Review By	yogesh	Review On	11/20/2024 8:01:50 AM
Supervise By	Ankita	Supervise On	11/20/2024 12:02:39 PM
SubDirectory	PP111924	HP Acquire Method	HP Processing Method PP110724
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,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	AR1660CCC500	AR1660CCC500	PP068602.D	19 Nov 2024 11:50		YP\AJ	Ok,M
2	AR1242CCC500	AR1242CCC500	PP068603.D	19 Nov 2024 12:06		YP\AJ	Ok
3	AR1248CCC500	AR1248CCC500	PP068604.D	19 Nov 2024 12:22		YP\AJ	Ok
4	AR1254CCC500	AR1254CCC500	PP068605.D	19 Nov 2024 12:39		YP\AJ	Ok,M
5	I.BLK	I.BLK	PP068606.D	19 Nov 2024 12:55		YP\AJ	Ok
6	P4852-02	COMP-2	PP068607.D	19 Nov 2024 13:11		YP\AJ	Ok
7	P4890-02RE	D3617RE	PP068608.D	19 Nov 2024 13:28	DCB low in both column, AR1260 Hit	YP\AJ	Confirms
8	PB165084BL	PB165084BL	PP068609.D	19 Nov 2024 13:44		YP\AJ	Ok
9	PB165084BS	PB165084BS	PP068610.D	19 Nov 2024 14:00		YP\AJ	Ok,M
10	P4888-01	01A-01B-01C	PP068611.D	19 Nov 2024 14:17		YP\AJ	Ok
11	P4888-02	02A-02B-02C	PP068612.D	19 Nov 2024 14:33		YP\AJ	Ok
12	P4890-01	#3711	PP068613.D	19 Nov 2024 14:51	AR1260 Hit	YP\AJ	Ok,M
13	AR1660CCC500	AR1660CCC500	PP068614.D	19 Nov 2024 15:29		YP\AJ	Ok,M
14	I.BLK	I.BLK	PP068615.D	19 Nov 2024 15:45		YP\AJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/19/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 11/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 11/19/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133489

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
P4817-01	BHK70	1	1.15	8.80	9.95	9.07	90.0	
P4817-02	BHK71	2	1.14	8.42	9.56	8.62	88.8	
P4817-03	BHK71MS	3	1.14	8.42	9.56	8.62	88.8	
P4817-04	BHK71MSD	4	1.14	8.42	9.56	8.62	88.8	
P4888-01	01A-01B-01C	5	1.00	1.00	2.00	2.00	100.0	caluk
P4888-02	02A-02B-02C	6	1.00	1.00	2.00	2.00	100.0	caluk
P4890-06	D3721	7	1.00	1.00	2.00	2.00	100.0	debris
P4892-01	WB-310-TOP	8	1.16	8.74	9.9	6.39	59.8	
P4892-02	WB-310-BOT	9	1.15	8.70	9.85	8.64	86.1	
P4893-01	MH-763	10	1.18	8.44	9.62	8.52	87.0	
P4893-02	MH-763-EPH	11	1.14	8.78	9.92	8.81	87.4	
P4893-03	MH-763-VOC	12	1.14	8.83	9.97	8.92	88.1	
P4893-05	MH-762	13	1.16	8.47	9.63	8.68	88.8	
P4893-06	MH-762-EPH	14	1.19	8.65	9.84	8.72	87.1	
P4893-07	MH-762-VOC	15	1.13	8.50	9.63	8.39	85.4	
P4894-01	FES-SB401-1921	16	1.16	8.58	9.74	8.92	90.4	
P4894-02	FES-SB401-6062	17	1.18	8.77	9.95	7.77	75.1	
P4894-03	FES-DUP02-20241114	18	1.15	8.66	9.81	9.17	92.6	
P4908-01	SP-1	19	1.16	8.50	9.66	8.9	91.1	
P4908-02	SP-1-E2	20	1.17	8.54	9.71	8.9	90.5	
P4908-03	SP-2	21	1.16	8.76	9.92	9.22	92.0	
P4908-04	SP-2-E2	22	1.16	8.45	9.61	8.9	91.6	
P4909-01	BU-02-111824	23	1.15	8.74	9.89	9.43	94.7	
P4909-02	BU-02-111824	24	1.16	8.72	9.88	9.09	90.9	
P4910-01	MH-COTTAGE	25	1.15	8.79	9.94	8.87	87.8	
P4910-02	MH-COTTAGE-EPH	26	1.19	8.41	9.6	8.44	86.2	
P4910-03	MH-COTTAGE-VOC	27	1.19	8.67	9.86	8.81	87.9	
P4910-05	MH-759	28	1.11	8.80	9.91	8.85	88.0	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/19/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 11/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 11/19/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133489

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
P4910-06	MH-759-EPH	29	1.15	8.82	9.97	9.09	90.0	
P4910-07	MH-759-VOC	30	1.15	8.40	9.55	8.57	88.3	

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

WORKLIST(Hardcopy Internal Chain)

123489

WorkList Name : %1-111824

WorkList ID : 185509

Department : Wet-Chemistry

Date : 11-18-2024 08:23:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4817-01	BHK70	Solid	Percent Solids	Cool 4 deg C	USEP04	Q11	11/11/2024	Chemtech -SO
P4817-02	BHK71	Solid	Percent Solids	Cool 4 deg C	USEP04	Q11	11/11/2024	Chemtech -SO
P4817-03	BHK71MS	Solid	Percent Solids	Cool 4 deg C	USEP04	Q11	11/11/2024	Chemtech -SO
P4817-04	BHK71MSD	Solid	Percent Solids	Cool 4 deg C	USEP04	Q11	11/11/2024	Chemtech -SO
P4888-01	01A-01B-01C	Solid	Percent Solids	Cool 4 deg C	BSIG01	M11	11/11/2024	Chemtech -SO
P4888-02	02A-02B-02C	Solid	Percent Solids	Cool 4 deg C	BSIG01	M11	11/14/2024	Chemtech -SO
P4890-06	D3721	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/14/2024	Chemtech -SO
P4892-01	WB-310-TOP	Solid	Percent Solids	Cool 4 deg C	PORT06	M11	11/15/2024	Chemtech -SO
P4892-02	WB-310-BOT	Solid	Percent Solids	Cool 4 deg C	PORT06	M11	11/15/2024	Chemtech -SO
P4893-01	MH-763	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/16/2024	Chemtech -SO
P4893-02	MH-763-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/16/2024	Chemtech -SO
P4893-03	MH-763-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/16/2024	Chemtech -SO
P4893-05	MH-762	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/16/2024	Chemtech -SO
P4893-06	MH-762-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/16/2024	Chemtech -SO
P4893-07	MH-762-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/16/2024	Chemtech -SO
P4894-01	FES-SB401-1921	Solid	Percent Solids	Cool 4 deg C	TETRO6	L51	11/14/2024	Chemtech -SO
P4894-02	FES-SB401-6062	Solid	Percent Solids	Cool 4 deg C	TETRO6	L51	11/14/2024	Chemtech -SO
P4894-03	FES-DUP02-20241114	Solid	Percent Solids	Cool 4 deg C	TETRO6	L51	11/14/2024	Chemtech -SO
P4908-01	SP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/18/2024	Chemtech -SO
P4908-02	SP-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/18/2024	Chemtech -SO
P4908-03	SP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/18/2024	Chemtech -SO

Date/Time 11-18-24 15:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 11-18-24

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

8133489

WorkList Name : %1-111824

WorkList ID : 185509

Department : Wet-Chemistry

Date : 11-18-2024 08:23:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4908-04	SP-2-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/18/2024	Chemtech -SO
P4909-01	BU-02-111824	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	11/18/2024	Chemtech -SO
P4909-02	BU-02-111824	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	11/18/2024	Chemtech -SO
P4910-01	MH-COTTAGE	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/18/2024	Chemtech -SO
P4910-02	MH-COTTAGE-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/18/2024	Chemtech -SO
P4910-03	MH-COTTAGE-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/18/2024	Chemtech -SO
P4910-05	MH-759	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/18/2024	Chemtech -SO
P4910-06	MH-759-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/18/2024	Chemtech -SO
P4910-07	MH-759-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/18/2024	Chemtech -SO

Date/Time 11-18-24 15:30

Raw Sample Received by: 88 CWCJ

Raw Sample Relinquished by: 88 CWCJ

Date/Time 11-18-24

Raw Sample Received by: 88 CWCJ

Raw Sample Relinquished by: 88 CWCJ

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

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

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

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

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

Extraction Start Date : 11/19/2024

Extraction Start Time : 08:52

Extraction End Date : 11/19/2024

Extraction End Time : 11:45

Concentration By: EH

Supervisor By : rajesh

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP23913
Surrogate	1.0ML	200 PPB	PP23985
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	N/A	E3826
Baked Na2SO4	N/A	EP2562
H2SO4 1:1	N/A	EP2548
Sand	N/A	E2865
Hexane/Acetone/1:1	N/A	EP2561
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# 03-40BTS721. No MS/MSD Performed as samples are Caulk matrix with Limited volume recd.

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

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/19/24	RP (Ext. Lab)	ATTEST PCB Lab
11:50	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/19/2024

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165084BL	ABLK084	PCB Group1	30.02	N/A	ritesh	Evelyn	10			U1-1
PB165084BS	ALCS084	PCB Group1	30.03	N/A	ritesh	Evelyn	10			2
P4888-01	01A-01B-01C	PCB Group1	1.06	N/A	ritesh	Evelyn	10		Caulk Mat.	3
P4888-02	02A-02B-02C	PCB Group1	2.04	N/A	ritesh	Evelyn	10		Caulk Mat.	4

* Extracts relinquished on the same date as received.

2
11/19/24

165086
11/8/24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p4892

WorkList ID : 185552

Department : Extraction

Date : 11-19-2024 08:23:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4892-01	WB-310-TOP	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	M11	11/15/2024	8270E
P4892-02	WB-310-BOT	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	M11	11/15/2024	8270E
P4893-01	MH-763	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L51	11/16/2024	8270E
P4893-05	MH-762	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L51	11/16/2024	8270E
P4908-01	SP-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L51	11/18/2024	8270E
P4908-03	SP-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L51	11/18/2024	8270E
P4909-01	BU-02-111824	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L51	11/18/2024	8270E
P4910-01	MH-COTTAGE	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L61	11/18/2024	8270E
P4910-05	MH-759	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L61	11/18/2024	8270E

Date/Time 11/19/24 8:55
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 11/19/24 9:25
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Prep Standard - Chemical Standard Summary

Order ID : P4888

Test : PCB Group1

Prepbatch ID : PB165084,

Sequence ID/Qc Batch ID: PP111924,

Standard ID :

EP2548,EP2561,EP2562,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,PP23913,PP23946,PP23947,PP23985,

Chemical ID :

E2865,E3551,E3804,E3805,E3822,E3825,E3826,E3827,M5178,P10483,P10500,P11507,P11512,P11521,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12947,P12957,P13033,P13104,P13109,P13350,P13352,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	EP2548	10/16/2024	04/16/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 10/16/2024

FROM 1000.00000ml of W3112 + 4000.00000ml of M5178 = 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	EP2561	11/14/2024	05/08/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/14/2024

FROM 8000.00000ml of E3826 + 8000.00000ml of E3827 = Final Quantity: 8000.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2562	11/14/2024	01/03/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 11/14/2024
<u>FROM</u> 4000.00000gram of E3551 = Final Quantity: 4000.000 gram								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP23733	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024
<u>FROM</u> 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>
3609	20 PPM DRO SPIKE SOLUTION (RESTEK)	PP23913	10/25/2024	04/23/2025	Yogesh Patel	None	None	Ankita Jodhani
								10/25/2024

FROM 1.00000ml of P13104 + 1.00000ml of P13109 + 48.00000ml of E3822 = Final Quantity: 50.000 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>
3817	AR1268 1000 ppb Working Soln. 2nd source	PP23946	11/07/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/13/2024

FROM 1.00000ml of P11521 + 98.50000ml of E3825 + 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>
3823	AR1268 500 PPB STD ICV	PP23947	11/07/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/13/2024

FROM 0.50000ml of E3825 + 0.50000ml of PP23946 = Final Quantity: 1.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP23985	11/15/2024	05/08/2025	Ankita Jodhani	None	None	Yogesh Patel
<u>FROM</u> 1.00000ml of P13352 + 999.00000ml of E3827 = Final Quantity: 1000.000 ml								

CHEMICAL RECEIPT LOG BOOK

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	11/05/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

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-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24I2662006	04/23/2025	10/24/2024 / Rajesh	10/24/2024 / Rajesh	E3822

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	11/06/2025	11/06/2024 / Rajesh	11/01/2024 / Rajesh	E3825

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)	24G1962003	05/09/2025	11/09/2024 / Rajesh	11/07/2024 / Rajesh	E3826

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/08/2025	11/08/2024 / Rajesh	11/07/2024 / Rajesh	E3827

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	03/29/2026	05/25/2022 / william	04/05/2022 / william	M5178

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0163157	04/03/2025	10/03/2024 / Ankita	03/19/2021 / Abdul	P10483

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane	A0167722	04/03/2025	10/03/2024 / Ankita	03/19/2021 / Ankita	P10500

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	04/03/2025	10/03/2024 / Ankita	02/21/2022 / Ankita	P11507

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006626997	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	05/07/2025	11/07/2024 / Ankita	02/21/2022 / Ankita	P11521

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

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

CHEMICAL RECEIPT LOG BOOK

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	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12947

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Aroclor 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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31266 / Florida TRPH Standard	A0204859	04/25/2025	10/25/2024 / yogesh	01/12/2024 / Yogesh	P13104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31266 / Florida TRPH Standard	A0204859	04/25/2025	10/25/2024 / yogesh	01/12/2024 / Yogesh	P13109

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/03/2025	10/03/2024 / Ankita	04/22/2024 / Abdul	P13350

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	05/15/2025	11/15/2024 / Ankita	04/22/2024 / Abdul	P13352

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 / lwona	07/03/2024 / lwona	W3112

Sand
Purified
Washed and Ignited



Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

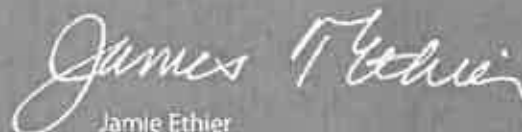
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

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



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

Recd by RP on 9/25/24

E 3804

>>> Continued on page 2 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
------	---------------	--------

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC



Michelle Bales
Sr. Manager, Quality Assurance

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

Avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 9/25/24

E 3805

Jamie Croak
Director Quality Operations, Bioscience Production

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4

Batch No.: 24I2662006

Manufactured Date: 2024-08-29

Expiration Date: 2025-11-28

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	3
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	99.9%
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.2 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 3822

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



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

£ 3825

Jamie Croak
Director Quality Operations, Bioscience Production

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

E 3826

Rec'd by RP on 11/7/24

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.8 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3827

Rec'd by RS on ~~11/8/24~~ 11/7/24
RS
11/7

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

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis



Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid–base titrn)	36.5 – 38.0 %	37.6
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	1
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.189
ACS – Bromide (Br)	<= 0.005 %	< 0.005
ACS – Extractable Organic Substances	<= 5 ppm	< 1
ACS – Free Chlorine (as Cl ₂)	<= 0.5 ppm	< 0.5
Phosphate (PO ₄)	<= 0.05 ppm	< 0.03
Sulfate (SO ₄)	<= 0.5 ppm	< 0.3
Sulfite (SO ₃)	<= 0.8 ppm	0.3
Ammonium (NH ₄)	<= 3 ppm	< 1
Trace Impurities – Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities – Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities – Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities – Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities – Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities – Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities – Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities – Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities – Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities – Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities – Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities – Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Test	Specification	Result
Trace Impurities – Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities – Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities – Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities – Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities – Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities – Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities – Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities – Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities – Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities – Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities – Selenium (Se), For Information Only	ppb	1.0
Trace Impurities – Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities – Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities – Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities – Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities – Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities – Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities – Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities – Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities – Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities – Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities – Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use

Product Information (not specifications):

Appearance (clear, fuming liquid)

Meets ACS Specifications

Country of Origin: US

Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0163157

Description : Aroclor® 1016/1260 Mix
Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : November 30, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1016 CAS # 12674-11-2 (Lot 04) Purity ----%	1,007.0 µg/mL	+/- 5.8683 µg/mL Gravimetric +/- 31.9082 µg/mL Unstressed +/- 41.6868 µg/mL Stressed
2	Aroclor 1260 CAS # 11096-82-5 (Lot 07) Purity ----%	1,008.0 µg/mL	+/- 5.8741 µg/mL Gravimetric +/- 31.9399 µg/mL Unstressed +/- 41.7282 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 10476
↓
P 10480
AR
02/19/21

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

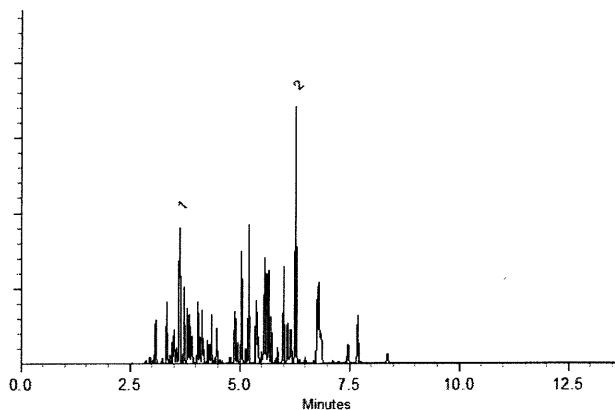
250°C

Det. Temp:

300°C

Det. Type:

ECD



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

Tom Suckar - Mix Technician

Date Mixed: 03-Aug-2020

Balance: B442140311

Justine Albertson - Operations Tech-ARM QC

Date Passed: 05-Aug-2020

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



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32409 Lot No.: A0167722
Description : Aroclor® 1262 Standard
Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : April 30, 2027 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1262	1,004.0 µg/mL	+/- 5.9635 µg/mL Gravimetric
	CAS # 37324-23-5 (Lot 10849100)		+/- 31.8340 µg/mL Unstressed
	Purity ----%		+/- 41.5787 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P10496
↓
P10500

AJ
09/19/21

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

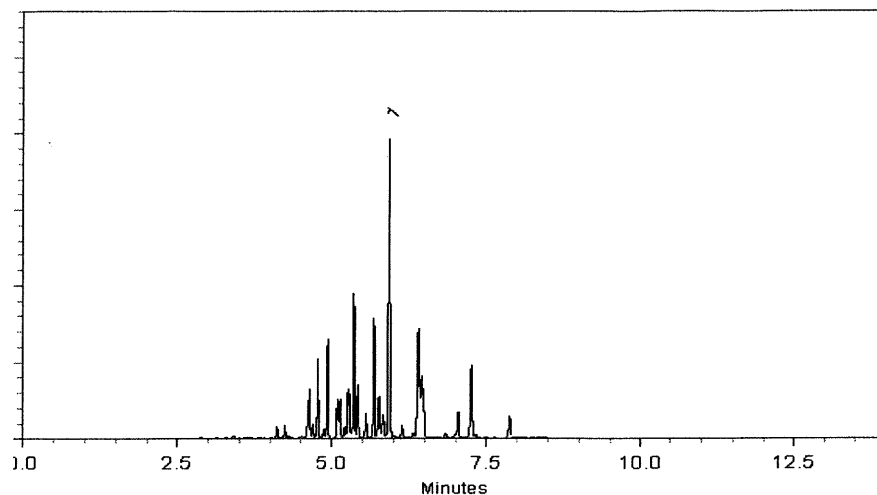
250°C

Det. Temp:

300°C

Det. Type:

ECD



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 03-Jan-2021

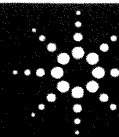
Balance: B707717271

Marlene Cowan
Marlene Cowan - Operations Tech I

Date Passed: 05-Jan-2021

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

ISO 17034



Agilent

Trusted Answers

Reference Material Certificate

Product Name: Aroclor 1242 Standard

Lot Number: 0006665550

Product Number: PP-312-1

Lot Issue Date: 08-Feb-2022

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

Expiration Date: 31-Jan-2027

Component Name	CERTIFIED VALUES			CAS#	Analyte Lot
	Concentration	Expanded Uncertainty			
Aroclor 1242	100.4	± 0.5 µg/mL		053469-21-9	NT01020

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

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

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

Homogeneity:

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

Instructions for Use:

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

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

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

Expiration of Certification:

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

P11503
↓
P11507

AJ
02/21/22

Page: 1 of 2

CSD-QA-015.1

ISO 17034



Agilent

Trusted Answers

Maintenance of Certification:

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

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

Page: 2 of 2

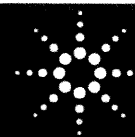
www.agilent.com/quality/

CSD-QA-015.1



ISO 17025
Cert No. AT-

ISO 17034



Agilent

Trusted Answers

Reference Material Certificate

Product Name: Aroclor 1248 Standard

Lot Number: 0006626997

Product Number: PP-342-1

Lot Issue Date: 17-Aug-2021

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

Expiration Date: 30-Sep-2025

Component Name	CERTIFIED VALUES		CAS#	Analyte Lot
	Concentration	Expanded Uncertainty		
Aroclor 1248	100.3	± 0.5 µg/mL	012672-29-6	NT01582

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

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

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

Homogeneity:

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

Instructions for Use:

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

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

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

Expiration of Certification:

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

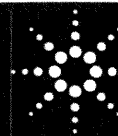
P11508

↓
P11512

AJ

2/21/22

ISO 17034



Agilent

Trusted Answers

Maintenance of Certification:

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

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/

CSD-QA-015.1



ISO 17025 Cert
No. AT-1937



Certificate of Analysis

P11518
↓
P11522
AJ
02/21/22

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1

Lot Issue Date: 09-Feb-2021

Lot Number: 0006587800

Expiration Date: 31-Mar-2029

Description:

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

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

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

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

Traceability:

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

Homogeneity:

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

Intended Use:

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

Instructions for Use:

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

Hazards:

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

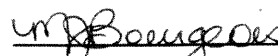
Expiration of Certification:

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

Maintenance of Certification:

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

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

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

www.agilent.com/quality/
CSD-QA-015.1



ISO 17025 Cert
No. AT-1937



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 **Lot No.:** A0175456
Description : Aroclor® 1221 Standard
Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : November 30, 2027 **Storage:** 25°C nominal
Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1221	1,002.0 µg/mL	+/- 5.9516 µg/mL Gravimetric
	CAS # 11104-28-2 (Lot 10210500)		+/- 31.7706 µg/mL Unstressed
	Purity ----%		+/- 41.4958 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 11578
↓
P 11582 / (S)

AR
04/30/22

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

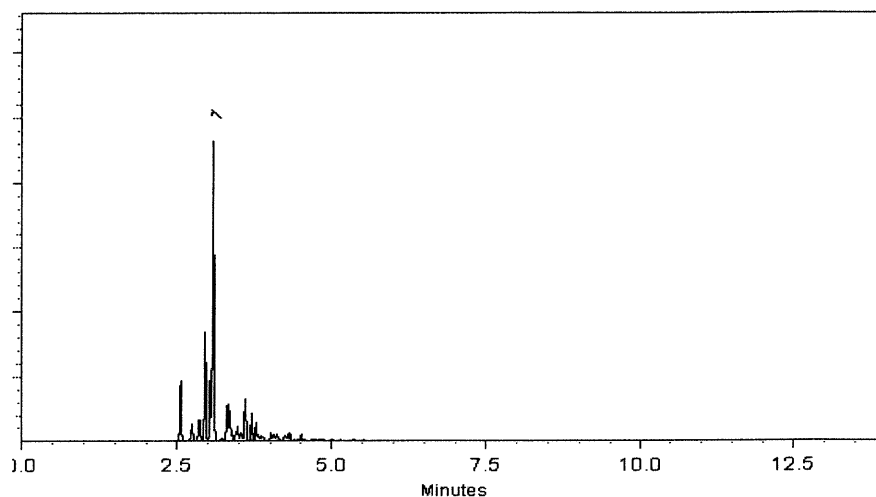
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 16-Aug-2021 **Balance:** B442140311

Marlene Cowan
Marlene Cowan - Operations Tech I

Date Passed: 18-Aug-2021

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

P11578
↓
P11582 / (S)

AR
04/30/22



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008 Lot No.: A0173309
Description : Aroclor® 1232 Standard
Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : September 30, 2027 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1232	1,001.0 µg/mL	+/- 5.9456 µg/mL Gravimetric
	CAS # 11141-16-5 (Lot 15665-01)		+/- 31.7389 µg/mL Unstressed
	Purity ----%		+/- 41.4544 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11583
↓
P11587 / (S)

AR
04/30/22

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

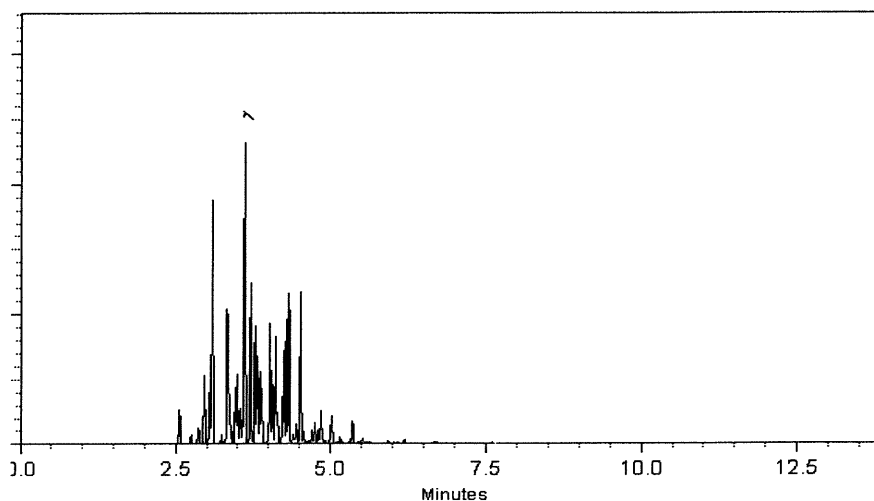
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 13-Jun-2021

Balance: B442140311

Alexis Shelow
Alexis Shelow - Operations Tech I

Date Passed: 16-Jun-2021

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

P11583
↓
P11587 / (5)

AR
04/30/22



CERTIFIED REFERENCE MATERIAL

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Bellefonte, PA 16823-8812
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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:

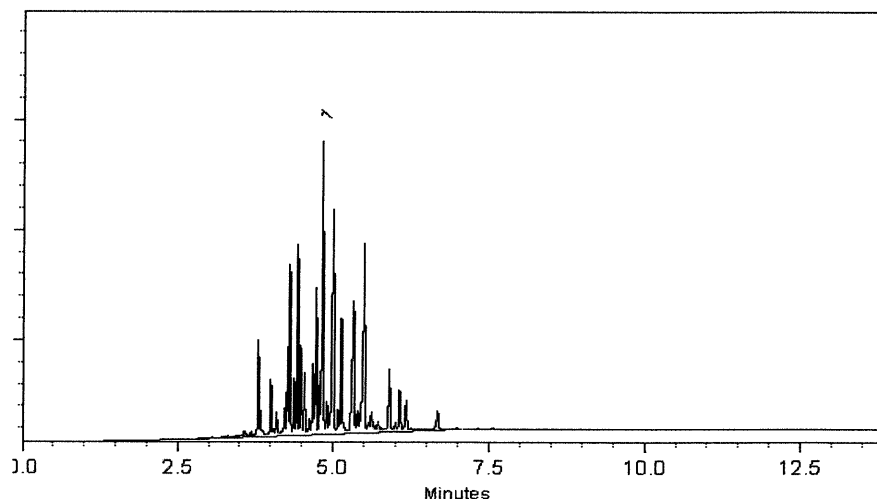
250°C

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	1,001.4 µg/mL	+/- 5.9480 µg/mL Gravimetric
	CAS # 11100-14-4 (Lot 10947000)		+/- 31.7516 µg/mL Unstressed
	Purity ----%		+/- 41.4710 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 11593
↓
P 11597
⑤

UAR
04/30/2022

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

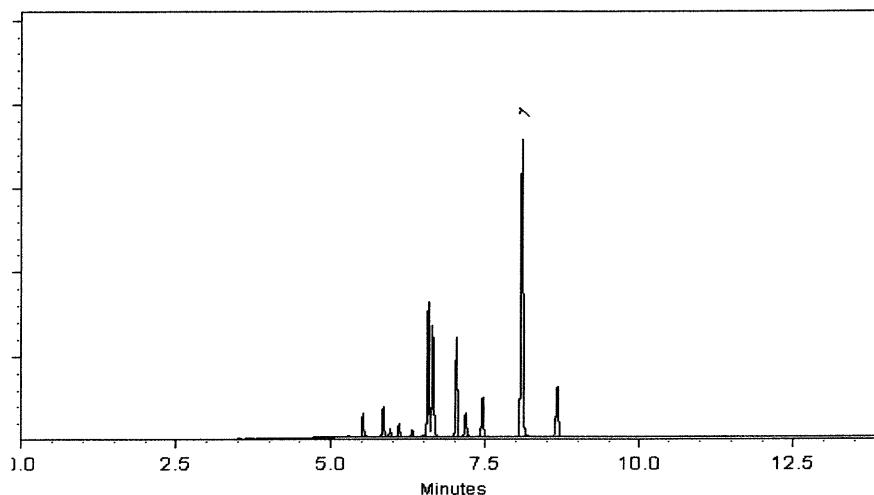
250°C

Det. Temp:

300°C

Det. Type:

ECD



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

Penelope S. Riglin
Penelope Riglin - Operations Tech I

Date Mixed: 14-Feb-2022

Balance: 1128360905

Clara Windle
Clara Windle - Operations Technician I

Date Passed: 17-Feb-2022

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

P 11593 / (5)
↓
P 11597
[Signature]
04/30/2022



CERTIFIED WEIGHT REPORT

Part Number: 91867
Lot Number: 020823
Description: WP 037 - Aroclor 1232
 PCB Technical Mixture
Expiration Date: 020833
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 100
NIST Test ID#: 6UTB

Solvent:
 Aceton

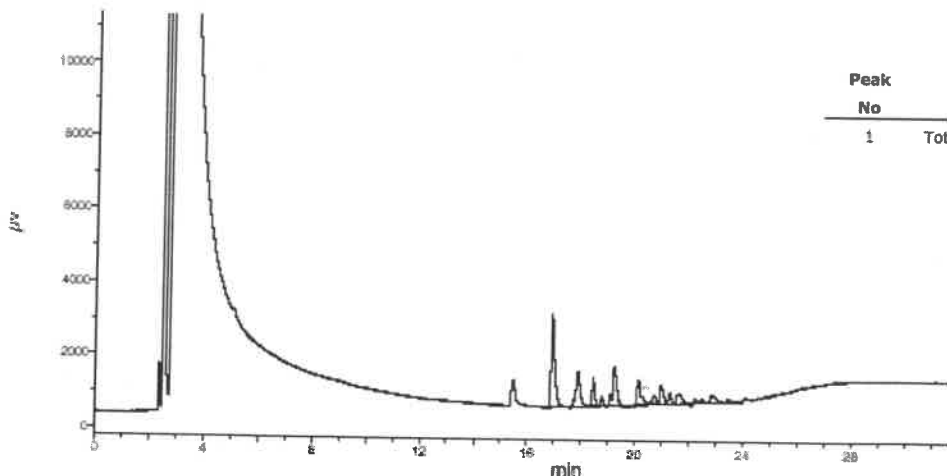
Weight(s) shown below were combined and diluted to (mL): 100.0
 5E-05 Balance Uncertainty
 0.057 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier
 Column ID SPB-608 30 meter X 0.53mm X 5µm film thickness
 Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
 Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
 Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
 Rate = 8°C/min, Total run time = 35 min
 Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
 Standard injection = 1.5µL, Range=3





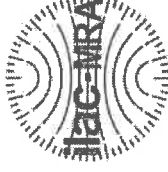
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 32009 **Lot No.:** A0203672

Description: Aroclor® 1242 Standard

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

Expiration Date: January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

p12928

→

p12932

AJ

12/27/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	01141	—%	1,004.7 µg/mL	+/- 55.7515

Solvent: Hexane

CAS # 110-54-3

Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

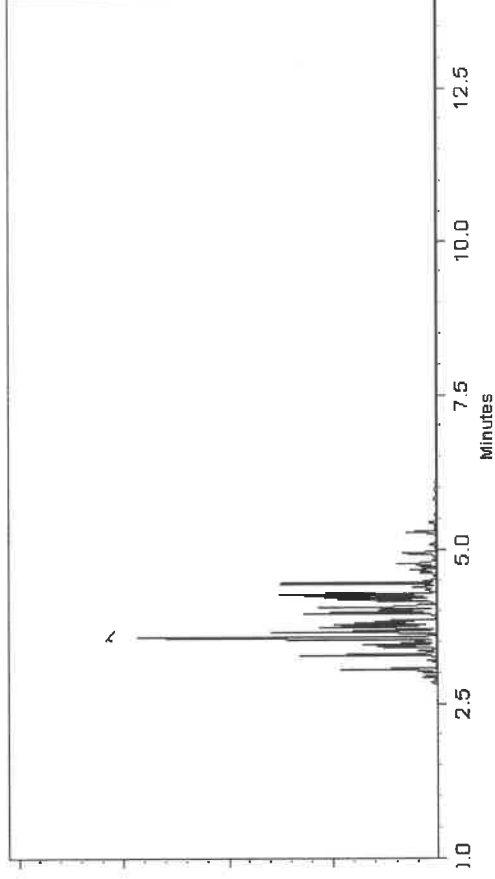
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2ul



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

Russ Boothamer

Russ Boothamer - Operations Technician I

Date Mixed: 26-Oct-2023

Balance Serial #

B442140311

Jennifer Polino

Jennifer Polino - Operations Tech III - ARM QC

Date Passed: 06-Nov-2023

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



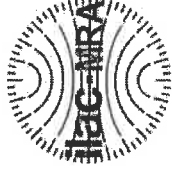
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 32010 **Lot No.:** A0202803

Description: Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

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

Expiration Date: January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P1219697
P1219697
AF
12/10/123

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1248	12672-29-6	13897600	---%	1,001.7 µg/mL	+/- 55.5850

Solvent: Hexane

CAS # 110-54-3

Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

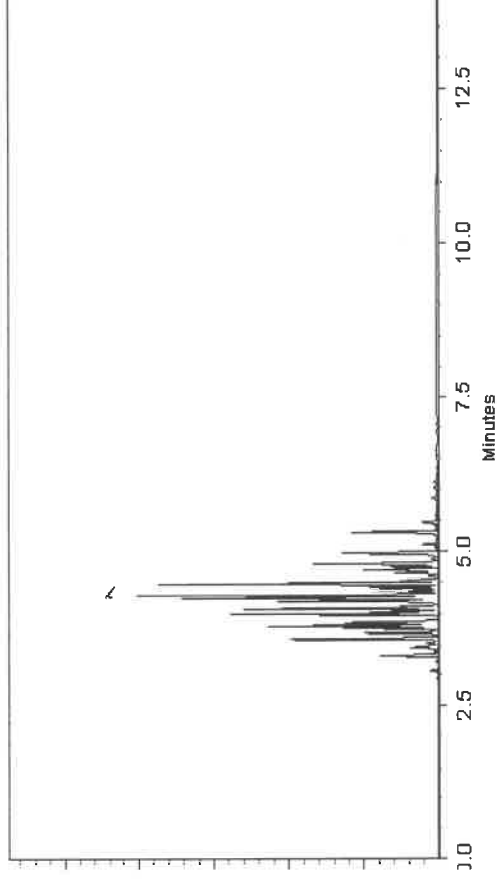
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2ul



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

Laith Clemente
Laith Clemente - Operations Technician I

Date Mixed: 03-Oct-2023

Balance Serial # 1128360905

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Oct-2023

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



Certified Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number:
20064

Lot Number:
022023

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

Expiration Date:
022033

Recommended Storage:
Ambient (20 °C)

Nominal Concentration (µg/mL):
1000

NIST Test ID#:
6UTB

Solvent(s):
Hexane

Lot#
273615

Formulated By:
Benson Chan

Reviewed By:
Pedro L. Rentas

DATE
022023

DATE
022023

5E-05 Balance Uncertainty
0.010 Flask Uncertainty

Nominal Conc (µg/mL):
200.0

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

Part Number:
20064

Lot Number:
022023

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

Expiration Date:
022033

Recommended Storage:
Ambient (20 °C)

Nominal Concentration (µg/mL):
1000

NIST Test ID#:
6UTB

Solvent(s):
Hexane

Lot#
273615

Formulated By:
Benson Chan

Reviewed By:
Pedro L. Rentas

DATE
022023

DATE
022023

5E-05 Balance Uncertainty
0.010 Flask Uncertainty

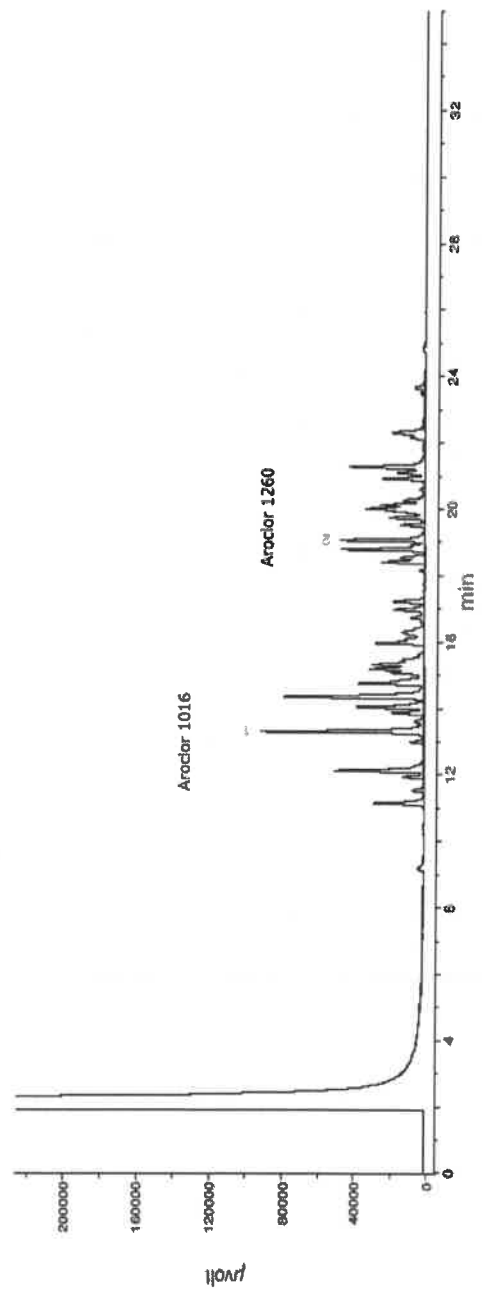
Nominal Conc (µg/mL):
200.0

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

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11086-82-5	0.5mg/m3	orl-rat 1315mg/kg

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stortier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 280°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C, FID Signal = Etdaq Channel 1
Standard Injection = 1.5µL, Range=3





CERTIFIED WEIGHT REPORT

Part Number: 99139
Lot Number: 121823
Description: Aroclor 1254

Solvent(s): Iso-octane

Lot# 82227

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

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

Balance Uncertainty

Flask Uncertainty

5E-05

0.003

20.0

Dilution

Factor

0.10

Initial

Uncertainty

Pipette (mL)

0.017

Final

Conc. (µg/mL)

100.1

Expanded

Uncertainty

(+/-) (µg/mL)

1.8

11097-69-1

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.)

CAS#

11097-69-1

0.5mg/m3 (skin)

orl-rat 1295mg/kg

OSHA PEL (TWA)

LD50

1. Aroclor 1254

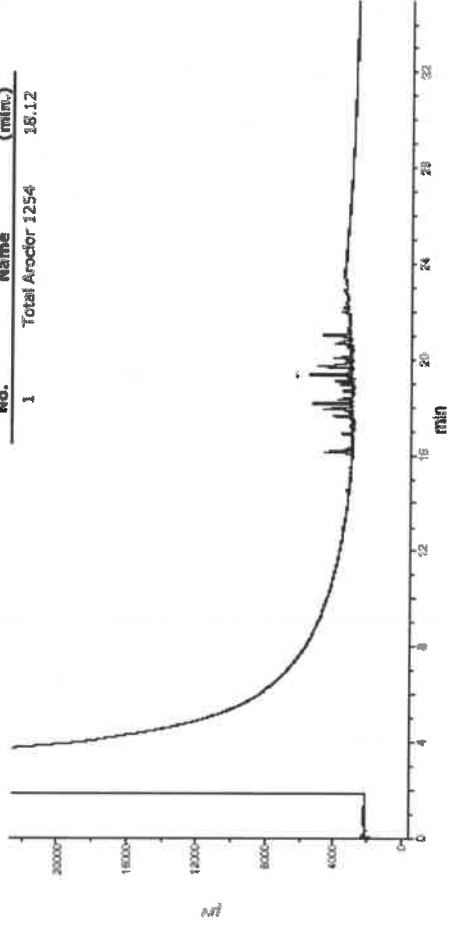
Part Number	79100	121823	0.10	2.00	0.017	100.1	1003.3	1.8	11097-69-1	0.5mg/m3 (skin)	orl-rat 1295mg/kg
Lot Number											
Conc. (µg/mL)											
Expanded Uncertainty (+/-) (µg/mL)											

* 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 = 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 = EDAQ Channel 1
Standard Injection = 1.5µL, Range=3

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





CERTIFIED WEIGHT REPORT

Part Number: 90165
Lot Number: 112322
Description: Atrocior 1262
Expiration Date: 112332
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6LUTB
Weight(s) shown were combined and diluted to (mL): 50.0

Solvent(s): Hexane
Lot# 273615

SE-05 Balance Uncertainty
0.005 Flask Uncertainty

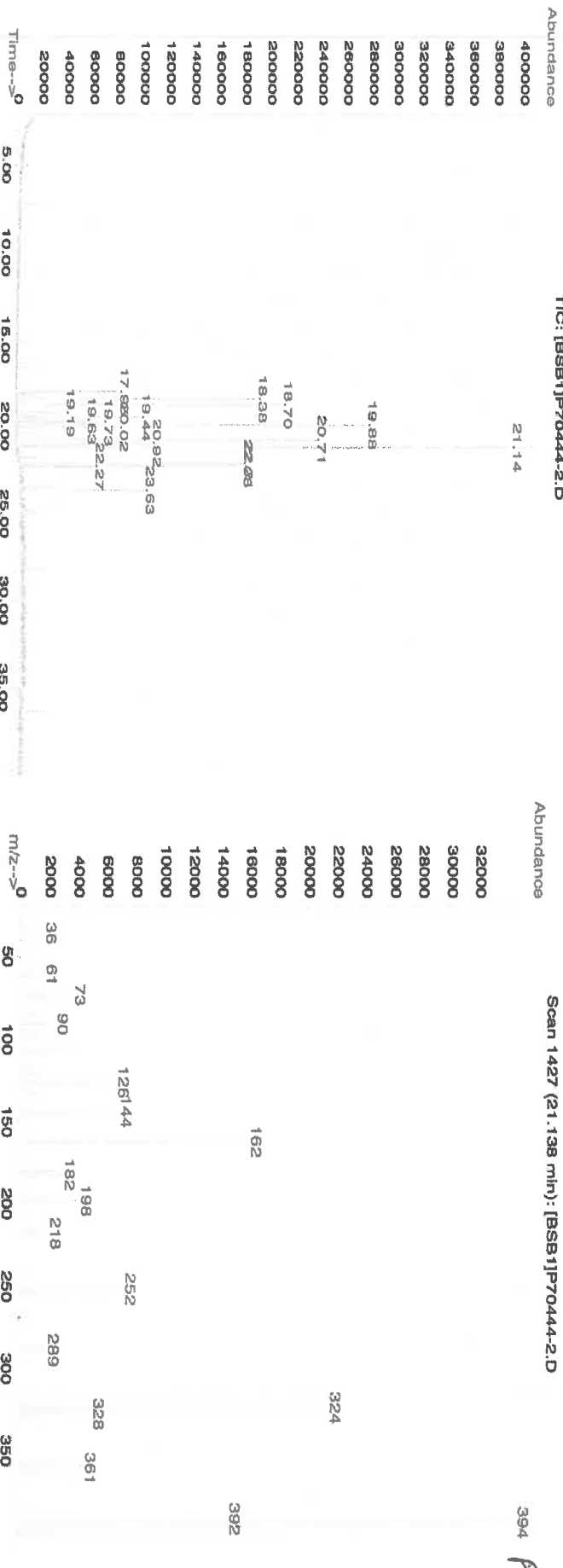
Formulated By:	Prashant Chauhan	112322	DATE
Reviewed By:	Pedro L. Rentes	112322	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
----------	-----	------------	----------------------	------------	--------------------	-------------------	-------------------	---------------------	----------------------------------	------	----------------	------

1. Atrocior 1262	444	W-130-05	1000	100	0.2	0.05003	0.05016	1002.7	4.5	37324-23-5	N/A	or-tal 11300mg/kg
------------------	-----	----------	------	-----	-----	---------	---------	--------	-----	------------	-----	-------------------

Method GC/MSD-7.M: Column:(30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (0min.), Temp 2 = 290°C (12.5 min.), Rate = 8°C/min., Injector B = 200°C, Detector B = 290°C.

TIC: [BSB1]P70444-2.D



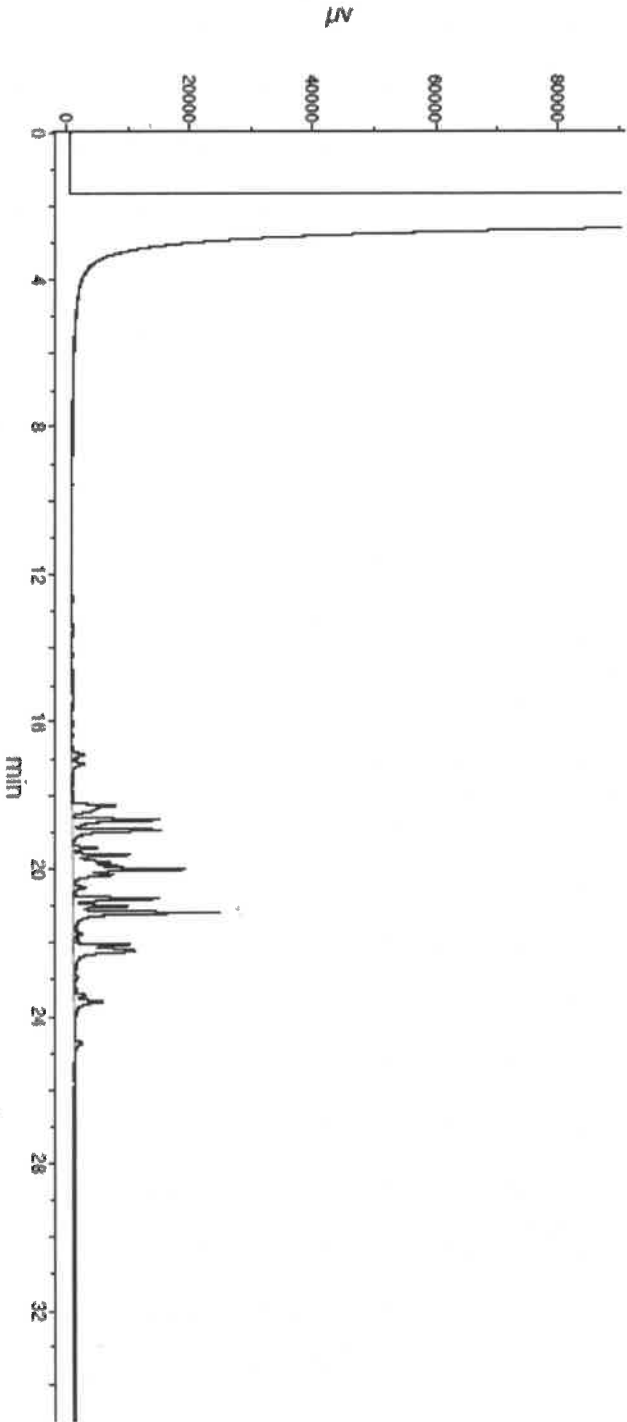


Run 20, "P90165 L112322 [1000µg/mL in hexane]"

Run Length: 35.00 min, 21000 points at 10 points/second.
Created: Thu, Dec 8, 2022 at 2:31:02 AM.
Sampled: Sequence "120722-GC3M1", Method "GC3-M1".
Analyzed using Method "GC3-M1".

Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection = 1.5µL, Range=3





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CERTIFIED REFERENCE MATERIAL

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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. : 31266 **Lot No.:** A0204859

Description : Florida TRPH Standard

Florida TRPH Standard 500µg/mL, Hexane, 1mL/ampul

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

Expiration Date : December 31, 2030 **Storage:** 25°C nominal

Handling: Sonicate prior to use. **Ship:** Ambient

P13103 } Y.P.
↓
P13112 } 01/12/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Octane (C8)	111-65-9	SHBP9758	99%	504.4 µg/mL	+/- 13.0305
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	503.6 µg/mL	+/- 13.0098
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	503.6 µg/mL	+/- 13.0098
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	504.0 µg/mL	+/- 13.0201
5	n-Hexadecane (C16)	544-76-3	SHBP8192	99%	504.0 µg/mL	+/- 13.0201
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	504.1 µg/mL	+/- 13.0230
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	504.0 µg/mL	+/- 13.0204
8	n-Docosane (C22)	629-97-0	MKCQ3882	99%	503.6 µg/mL	+/- 13.0098
9	n-Tetracosane (C24)	646-31-1	MKCQ8345	99%	504.0 µg/mL	+/- 13.0201
10	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	504.0 µg/mL	+/- 13.0201
11	n-Octacosane (C28)	630-02-4	BCCG0084	99%	504.0 µg/mL	+/- 13.0201
12	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	504.0 µg/mL	+/- 13.0204
13	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	504.0 µg/mL	+/- 13.0201
14	n-Tetratriacontane (C34)	14167-59-0	OML4N	99%	504.4 µg/mL	+/- 13.0305
15	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	504.0 µg/mL	+/- 13.0201
16	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	503.8 µg/mL	+/- 13.0152
17	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	503.6 µg/mL	+/- 13.0098

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

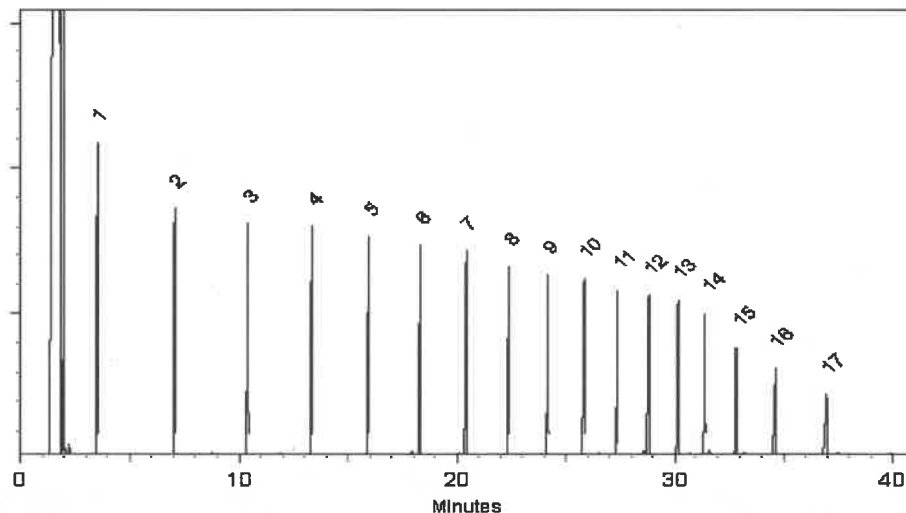
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl

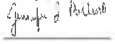


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 29-Nov-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Dec-2023

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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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. : 31266 **Lot No.:** A0204859

Description : Florida TRPH Standard

Florida TRPH Standard 500µg/mL, Hexane, 1mL/ampul

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

Expiration Date : December 31, 2030 **Storage:** 25°C nominal

Handling: Sonicate prior to use. **Ship:** Ambient

P13103 } Y.P.
↓
P13112 } 01/12/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Octane (C8)	111-65-9	SHBP9758	99%	504.4 µg/mL	+/- 13.0305
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	503.6 µg/mL	+/- 13.0098
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	503.6 µg/mL	+/- 13.0098
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	504.0 µg/mL	+/- 13.0201
5	n-Hexadecane (C16)	544-76-3	SHBP8192	99%	504.0 µg/mL	+/- 13.0201
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	504.1 µg/mL	+/- 13.0230
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	504.0 µg/mL	+/- 13.0204
8	n-Docosane (C22)	629-97-0	MKQC3882	99%	503.6 µg/mL	+/- 13.0098
9	n-Tetracosane (C24)	646-31-1	MKQC8345	99%	504.0 µg/mL	+/- 13.0201
10	n-Hexacosane (C26)	630-01-3	MKQC4814	99%	504.0 µg/mL	+/- 13.0201
11	n-Octacosane (C28)	630-02-4	BCCG0084	99%	504.0 µg/mL	+/- 13.0201
12	n-Triacontane (C30)	638-68-6	MKQC9436	97%	504.0 µg/mL	+/- 13.0204
13	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	504.0 µg/mL	+/- 13.0201
14	n-Tetratriacontane (C34)	14167-59-0	OML4N	99%	504.4 µg/mL	+/- 13.0305
15	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	504.0 µg/mL	+/- 13.0201
16	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	503.8 µg/mL	+/- 13.0152
17	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	503.6 µg/mL	+/- 13.0098

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

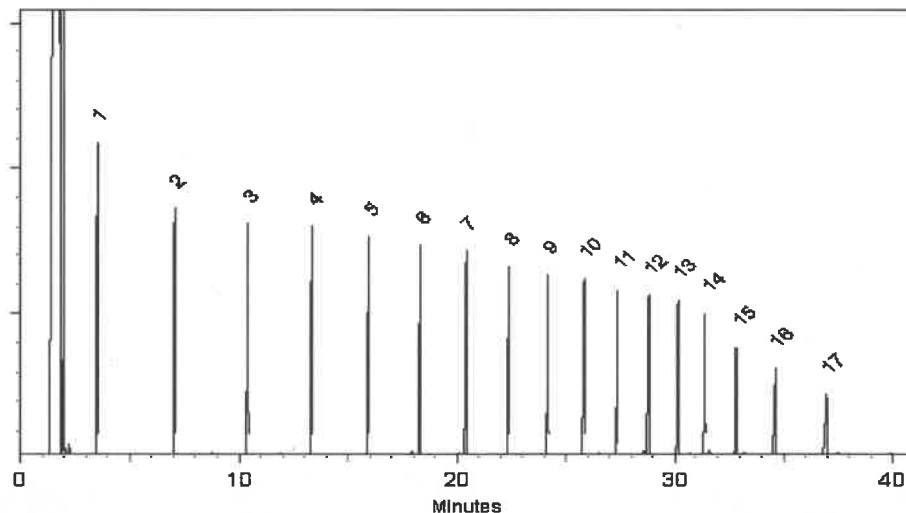
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl

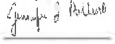


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 29-Nov-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Dec-2023

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

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

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

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

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

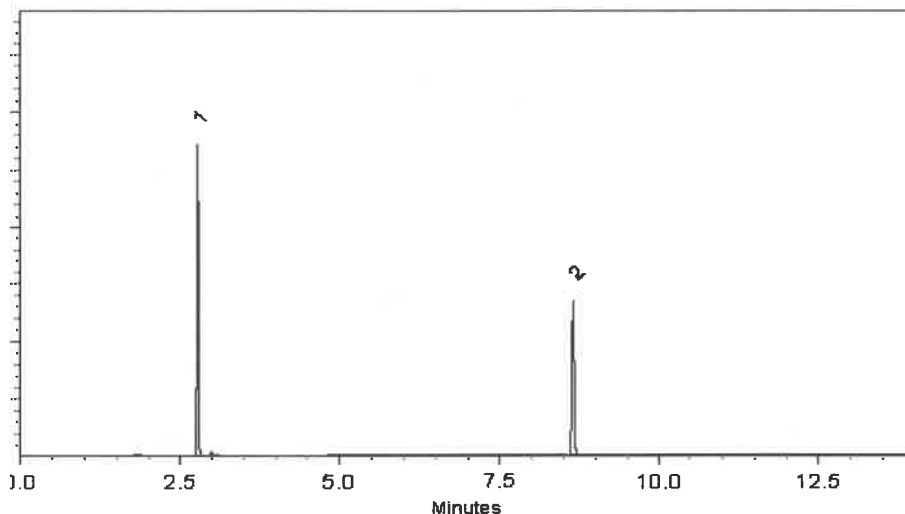
ECD

Split Vent:

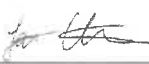
10 ml/min.

Inj. Vol

1µl

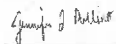


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

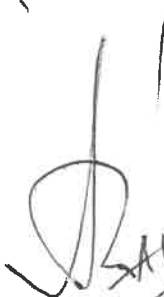
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P 13348
↓
P 13357
10


SAUF
04/25/2025



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

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

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

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

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

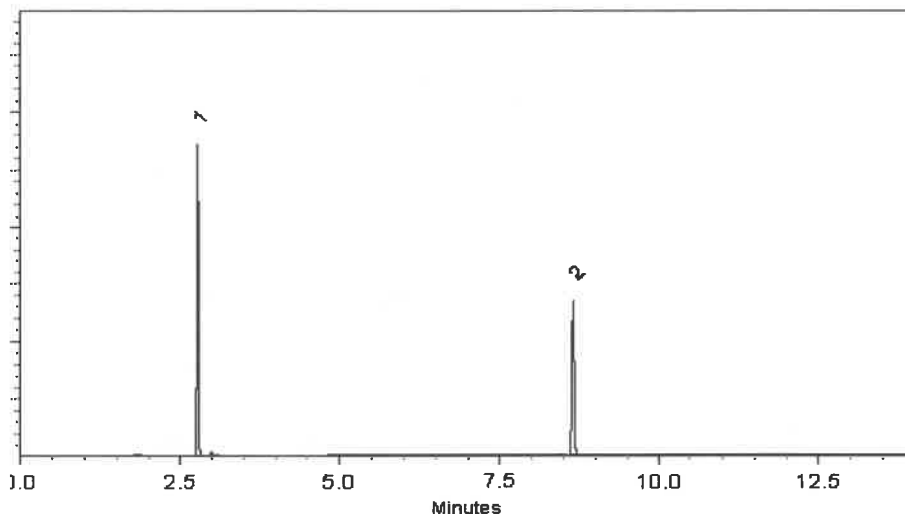
ECD

Split Vent:

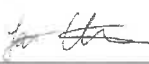
10 ml/min.

Inj. Vol

1µl

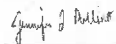


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P 13348
↓
P 13357
10
SAUF
04/25/2025



ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Aroclor 1221 Standard
Product Number: PP-292-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006783205
Lot Issue Date: 20-Feb-2024
Expiration Date: 31-Mar-2032

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
Aroclor 1221	100.3 ±	0.5 µg/mL	011104-28-2	NT01017

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

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

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

Homogeneity:

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

Instructions for Use:

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

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

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

Expiration of Certification:

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

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CSD-QA-015.2

ISO 17025

Cert No. AT-1937

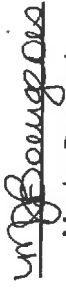
250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality



Maintenance of Certification:

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

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO
9001:2015 Quality Management System. Cert# 951215321

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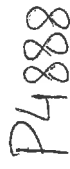
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SHIPPING DOCUMENTS



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Special Instructions: Composite Please create sample composites for example: O1A, O1B and O1C should be composited to a single sample)

Laboratory Composite Sample log

Chemtech Project number: P4888Date: 11-18-24Client Name: BSIClient Project Name: PS 154 @ K154Instructions: Composite Samples 3:1Sample Custodian: [Signature]

Client Sample ID	Weigh /Volume used	New ID	Sample Description	Sample Composite time	Comments
01A	0.46g	01A-01B-01C	Gray Caulking in Scuppers	0930	Total weight used 1.3g
01B	0.44g				
01C	0.40g				
02A	0.90g	02A-02B-02C	Light Gray Caulking on Door Frame		Total weight used 2.62g
02B	0.87g				
02C	0.85g				



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

Laboratory Certification

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