

Cover Page

Order ID : P4822

Project ID : BAPS North Bergen

Client : BAPS North Bergen

Lab Sample Number

P4822-01
P4822-02
P4822-03
P4822-04
P4822-05
P4822-06
P4822-07
P4822-08
P4822-09
P4822-10
P4822-11
P4822-12

Client Sample Number

SOIL-1
SOIL-1
SOIL-2
SOIL-2
SOIL-3
SOIL-3
SOIL-4
SOIL-4
SOIL-5
SOIL-5
SOIL-6
SOIL-6

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

Signature : _____

Date: 11/22/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4822

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KETAN PATEL

Date: 11/22/2024

LAB CHRONICLE

OrderID:	P4822	OrderDate:	11/12/2024 1:54:09 PM
Client:	BAPS North Bergen	Project:	BAPS North Bergen
Contact:	Rakesh Patel	Location:	L21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4822-01	SOIL-1	Solid	EPH	NJEPH	11/12/24	11/13/24	11/13/24	11/12/24
P4822-02	SOIL-1	SOIL	PCB	8082A	11/12/24	11/13/24	11/13/24	11/12/24
P4822-03	SOIL-2	Solid	EPH	NJEPH	11/12/24	11/13/24	11/13/24	11/12/24
P4822-04	SOIL-2	SOIL	PCB	8082A	11/12/24	11/13/24	11/13/24	11/12/24
P4822-05	SOIL-3	Solid	EPH EPH	NJEPH NJEPH	11/12/24	11/13/24 11/13/24	11/13/24 11/14/24	11/12/24
P4822-06	SOIL-3	SOIL	PCB	8082A	11/12/24	11/13/24	11/13/24	11/12/24
P4822-07	SOIL-4	Solid	EPH EPH	NJEPH NJEPH	11/12/24	11/13/24 11/13/24	11/13/24 11/14/24	11/12/24
P4822-08	SOIL-4	SOIL	PCB	8082A	11/12/24	11/13/24	11/13/24	11/12/24
P4822-09	SOIL-5	Solid	EPH EPH	NJEPH NJEPH	11/12/24	11/13/24 11/13/24	11/13/24 11/14/24	11/12/24
P4822-10	SOIL-5	SOIL	PCB	8082A	11/12/24	11/13/24	11/13/24	11/12/24

LAB CHRONICLE

P4822-11	SOIL-6	Solid			11/12/24			11/12/24
			EPH	NJEPH		11/13/24	11/13/24	
			EPH	NJEPH		11/13/24	11/14/24	
P4822-12	SOIL-6	SOIL			11/12/24			11/12/24
			PCB	8082A		11/13/24	11/13/24	

Hit Summary Sheet
SW-846

SDG No.: P4822

Order ID: P4822

Client: BAPS North Bergen

Project ID: BAPS North Bergen

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SOIL-1								
P4822-02	SOIL-1	SOIL	Aroclor-1254	24.3		2.90	18.4	ug/kg
P4822-02	SOIL-1	SOIL	Aroclor-1260	22.7		3.10	18.4	ug/kg
Total Concentration:				47.000				
Client ID : SOIL-2								
P4822-04	SOIL-2	SOIL	Aroclor-1254	29.2		3.00	18.9	ug/kg
P4822-04	SOIL-2	SOIL	Aroclor-1260	26.0		3.20	18.9	ug/kg
Total Concentration:				55.200				
Client ID : SOIL-3								
P4822-06	SOIL-3	SOIL	Aroclor-1254	24.7		3.00	18.6	ug/kg
P4822-06	SOIL-3	SOIL	Aroclor-1260	23.0		3.20	18.6	ug/kg
Total Concentration:				47.700				
Client ID : SOIL-4								
P4822-08	SOIL-4	SOIL	Aroclor-1254	38.9		2.90	18.2	ug/kg
P4822-08	SOIL-4	SOIL	Aroclor-1260	32.0		3.10	18.2	ug/kg
Total Concentration:				70.900				
Client ID : SOIL-5								
P4822-10	SOIL-5	SOIL	Aroclor-1254	16.5 J		3.00	18.5	ug/kg
P4822-10	SOIL-5	SOIL	Aroclor-1260	12.6 J		3.20	18.5	ug/kg
Total Concentration:				29.100				
Client ID : SOIL-6								
P4822-12	SOIL-6	SOIL	Aroclor-1254	21.6		3.00	18.6	ug/kg
P4822-12	SOIL-6	SOIL	Aroclor-1260	14.5 J		3.20	18.6	ug/kg
Total Concentration:				36.100				



QC SUMMARY

Surrogate Summary

SDG No.: **P4822**

Client: **BAPS North Bergen**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO107842.D	PIBLK-PO107842.D	Tetrachloro-m-xylene	1	20	21.0	105		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.2	116		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.6	103		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.2	111		70 (60)	130 (140)
I.BLK-PO107916.D	PIBLK-PO107916.D	Tetrachloro-m-xylene	1	20	20.9	105		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	20.5	103		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.6	103		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.1	111		70 (60)	130 (140)
PB164938BL	PB164938BL	Tetrachloro-m-xylene	1	20	18.6	93		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	18.5	92		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.4	92		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	19.1	96		30 (32)	150 (175)
PB164938BS	PB164938BS	Tetrachloro-m-xylene	1	20	19.4	97		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.4	97		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.5	93		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.5	102		30 (32)	150 (175)
I.BLK-PO107930.D	PIBLK-PO107930.D	Tetrachloro-m-xylene	1	20	20.6	103		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	20.8	104		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.5	103		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.7	108		70 (60)	130 (140)
P4822-02	SOIL-1	Tetrachloro-m-xylene	1	20	20.5	102		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	18.7	94		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.2	101		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	19.0	95		30 (32)	150 (175)
P4822-04	SOIL-2	Tetrachloro-m-xylene	1	20	21.7	109		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.7	99		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.8	109		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.1	101		30 (32)	150 (175)
P4822-06	SOIL-3	Tetrachloro-m-xylene	1	20	17.5	87		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	15.6	78		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	17.4	87		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	15.4	77		30 (32)	150 (175)
P4822-06MS	SOIL-3MS	Tetrachloro-m-xylene	1	20	22.1	110		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.2	101		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.3	106		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	19.9	99		30 (32)	150 (175)
P4822-06MSD	SOIL-3MSD	Tetrachloro-m-xylene	1	20	21.2	106		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.8	99		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.8	104		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	19.1	96		30 (32)	150 (175)
P4822-08	SOIL-4	Tetrachloro-m-xylene	1	20	20.5	102		30 (32)	150 (144)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: **P4822**

Client: **BAPS North Bergen**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
P4822-08	SOIL-4	Decachlorobiphenyl	1	20	19.2	96		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.3	107		30 (32)	150 (144)
P4822-10	SOIL-5	Decachlorobiphenyl	2	20	18.5	92		30 (32)	150 (175)
		Tetrachloro-m-xylene	1	20	18.7	93		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	17.0	85		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.8	99		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	16.3	81		30 (32)	150 (175)
P4822-12	SOIL-6	Tetrachloro-m-xylene	1	20	21.4	107		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.2	96		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	22.3	112		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.9	94		30 (32)	150 (175)
I.BLK-PO107944.D	PIBLK-PO107944.D	Tetrachloro-m-xylene	1	20	20.7	103		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	20.5	102		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.7	103		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.9	104		70 (60)	130 (140)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4822

Client: BAPS North Bergen

Analytical Method: 8082A

DataFile : PO107934.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	SOIL-3MS											
P4822-06MS	AR1016	182.3	0	203	ug/kg	111				40 (55)	140 (146)	
	AR1260	182.3	23	216	ug/kg	106				40 (45)	140 (144)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4822

Client: BAPS North Bergen

Analytical Method: 8082A

DataFile : PO107935.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	SOIL-3MSD											
P4822-06MSD	AR1016	182.2	0	198	ug/kg	109		2		40 (55)	140 (146)	30 (20)
	AR1260	182.2	23	208	ug/kg	102		4		40 (45)	140 (144)	30 (20)



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4822

Client: BAPS North Bergen

Analytical Method: **8082A** **Datafile :** PO107922.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB164938BS	AR1016	166.6	152	ug/kg	91				40 (71)	140 (120)	
	AR1260	166.6	151	ug/kg	91				40 (65)	140 (130)	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164938BL

Lab Name: CHEMTECH

Contract: BAPS03

Lab Code: CHEM Case No.: P4822

SAS No.: P4822 SDG NO.: P4822

Lab Sample ID: PB164938BL

Lab File ID: PO107921.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/13/2024

Date Analyzed (1): 11/13/2024

Date Analyzed (2): 11/13/2024

Time Analyzed (1): 12:31

Time Analyzed (2): 12:31

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164938BS	PB164938BS	PO107922.D	11/13/2024	11/13/2024
SOIL-1	P4822-02	PO107931.D	11/13/2024	11/13/2024
SOIL-2	P4822-04	PO107932.D	11/13/2024	11/13/2024
SOIL-3	P4822-06	PO107933.D	11/13/2024	11/13/2024
SOIL-3MS	P4822-06MS	PO107934.D	11/13/2024	11/13/2024
SOIL-3MSD	P4822-06MSD	PO107935.D	11/13/2024	11/13/2024
SOIL-4	P4822-08	PO107936.D	11/13/2024	11/13/2024
SOIL-5	P4822-10	PO107937.D	11/13/2024	11/13/2024
SOIL-6	P4822-12	PO107938.D	11/13/2024	11/13/2024

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-1	SDG No.:	P4822
Lab Sample ID:	P4822-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	92.4
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107931.D	1	11/13/24 08:40	11/13/24 15:16	PB164938

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.70	U	3.70	18.4	ug/kg
11104-28-2	Aroclor-1221	6.90	U	6.90	18.4	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.4	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.4	ug/kg
12672-29-6	Aroclor-1248	8.50	U	8.50	18.4	ug/kg
11097-69-1	Aroclor-1254	24.3		2.90	18.4	ug/kg
37324-23-5	Aroclor-1262	4.90	U	4.90	18.4	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.4	ug/kg
11096-82-5	Aroclor-1260	22.7		3.10	18.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		30 (32) - 150 (144)	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.0		30 (32) - 150 (175)	95%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
 Data File : PO107931.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 15:16
 Operator : YP/AJ
 Sample : P4822-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 SOIL-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/14/2024
 Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 23:38:23 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.372	3.638	183.8E6	67751047	20.475	20.172
2) SA Decachlor...	10.083	8.633	55562965	60152376	18.744	19.041
Target Compounds						
26) L6 AR-1254-1	6.381	5.521	17989312	6089750	63.670	36.076m#
27) L6 AR-1254-2	6.601	5.668	18240942	4860565	43.776	32.316m#
28) L6 AR-1254-3	6.966	6.071	23697462	15602359	60.707	63.007m
29) L6 AR-1254-4	7.252	6.295	12061047	3120948	42.784	23.978m#
30) L6 AR-1254-5	7.676	6.714	33833075	38361960	126.582m	181.869 #
31) L7 AR-1260-1	7.134	6.201	20679654	14455766	72.000	93.824 #
32) L7 AR-1260-2	7.390	6.388	28354899	10550064	95.837	56.218 #
33) L7 AR-1260-3	7.754	6.541	8550587	9728605	37.196	55.409 #
34) L7 AR-1260-4	7.964	7.012	16819520	7973944	70.781	53.216
35) L7 AR-1260-5	8.293	7.253	15447260	15348563	40.001	42.156

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
Data File : PO107931.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 15:16
Operator : YP/AJ
Sample : P4822-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

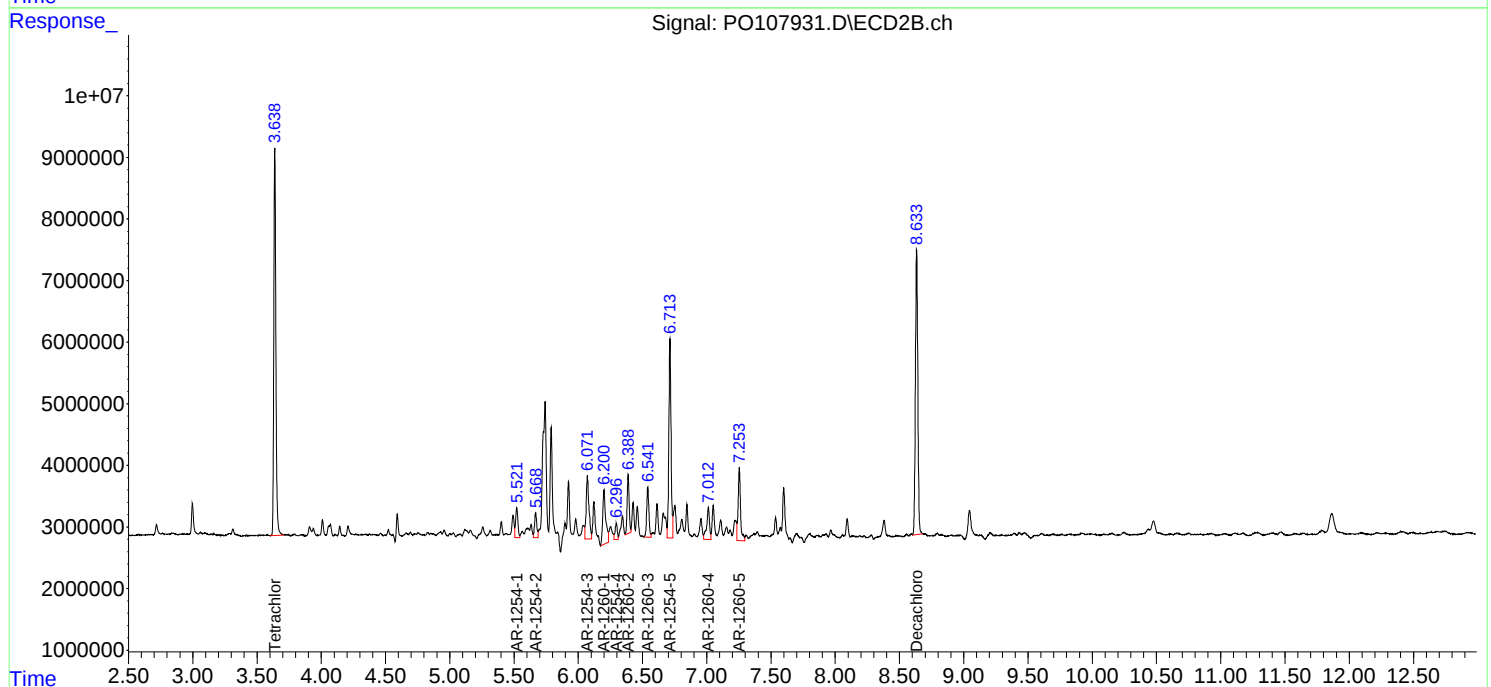
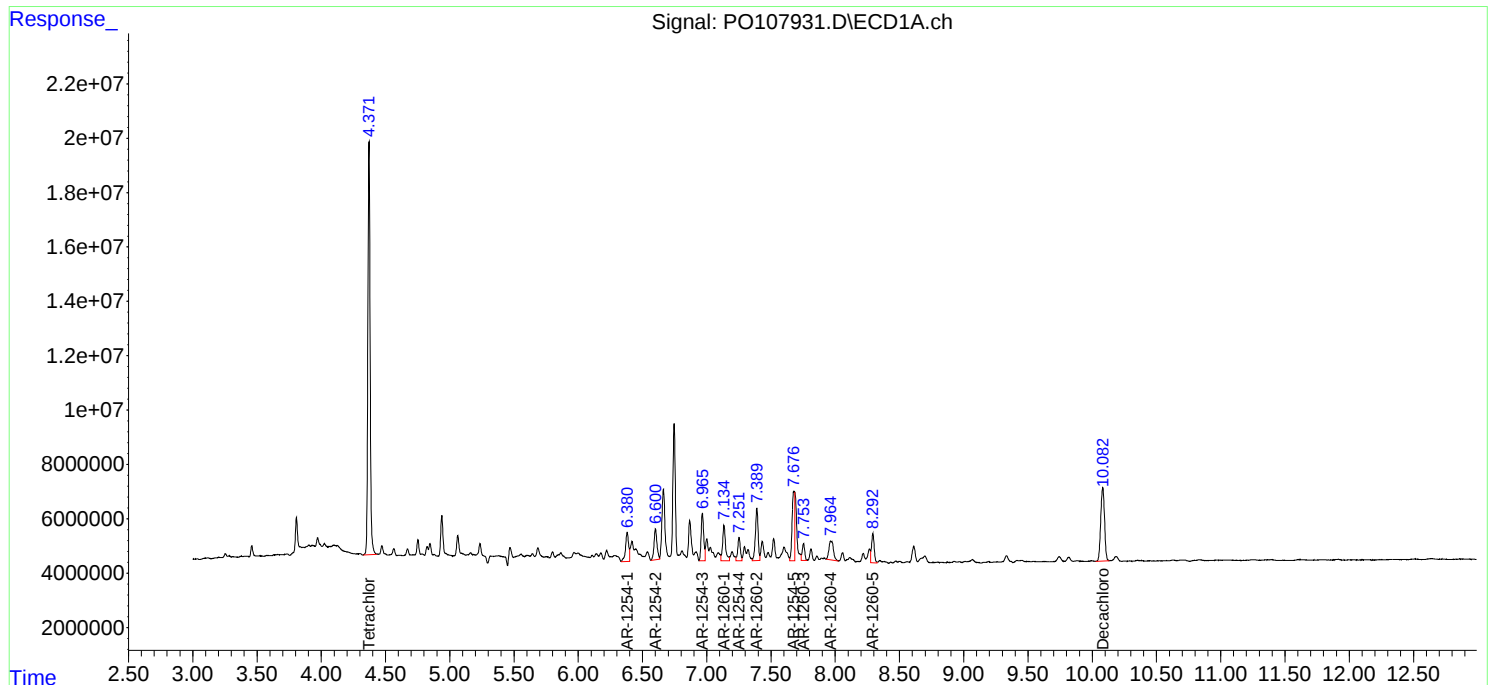
Instrument :
ECD_O
ClientSampleId :
SOIL-1

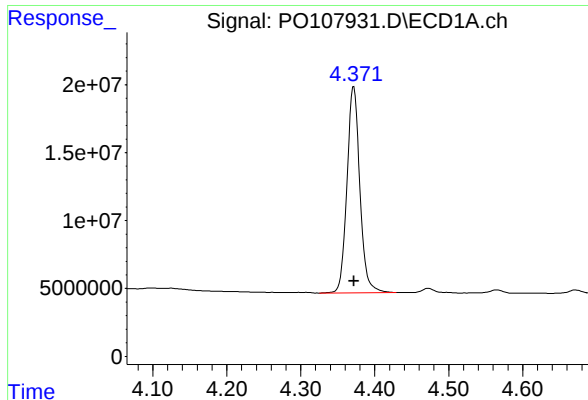
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 23:38:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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





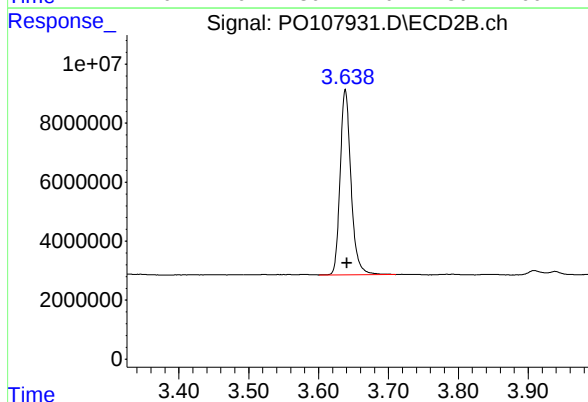
#1 Tetrachloro-m-xylene

R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 183789582
Conc: 20.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-1

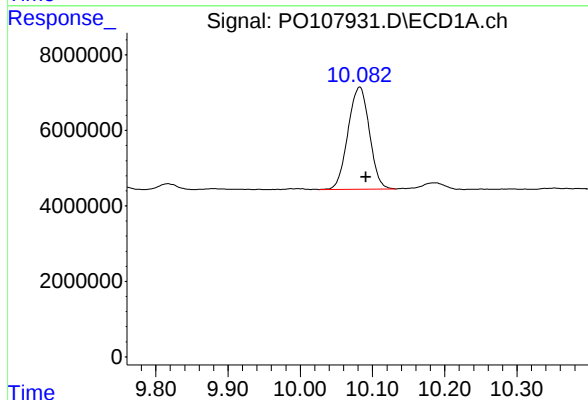
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



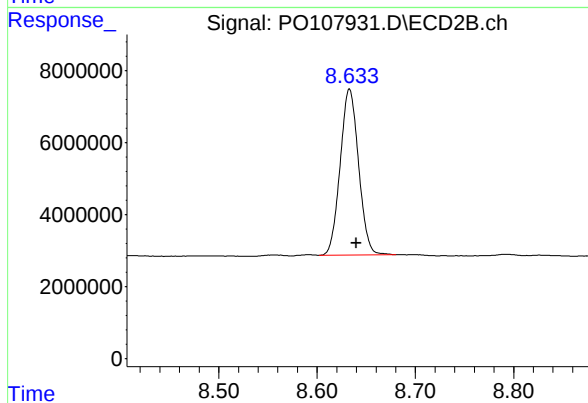
#1 Tetrachloro-m-xylene

R.T.: 3.638 min
Delta R.T.: -0.002 min
Response: 67751047
Conc: 20.17 ng/ml



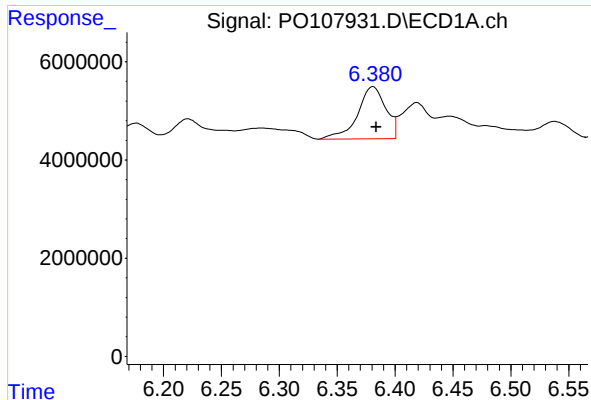
#2 Decachlorobiphenyl

R.T.: 10.083 min
Delta R.T.: -0.009 min
Response: 55562965
Conc: 18.74 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.633 min
Delta R.T.: -0.007 min
Response: 60152376
Conc: 19.04 ng/ml



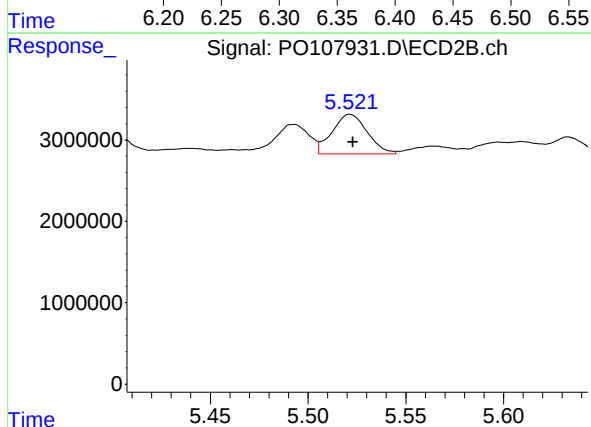
#26 AR-1254-1

R.T.: 6.381 min
Delta R.T.: -0.003 min
Response: 17989312
Conc: 63.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-1

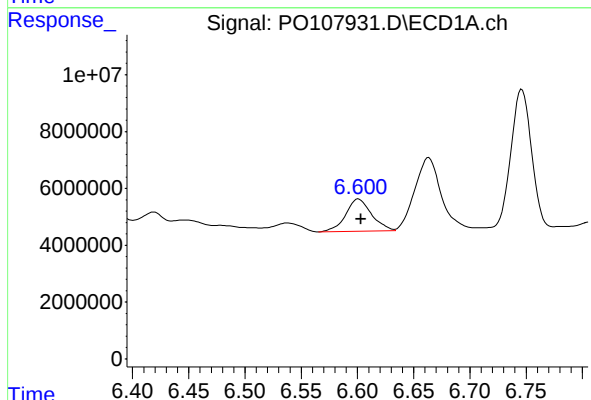
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



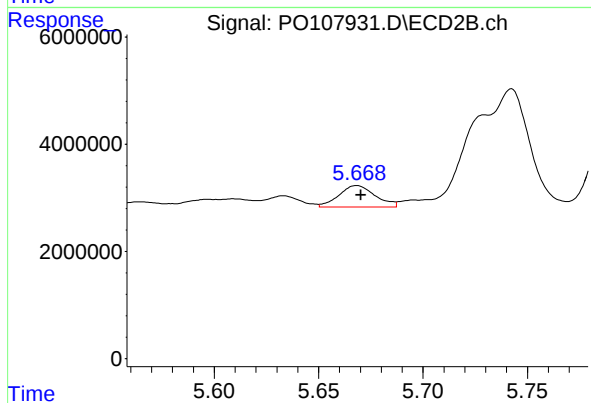
#26 AR-1254-1

R.T.: 5.521 min
Delta R.T.: -0.002 min
Response: 6089750
Conc: 36.08 ng/ml m



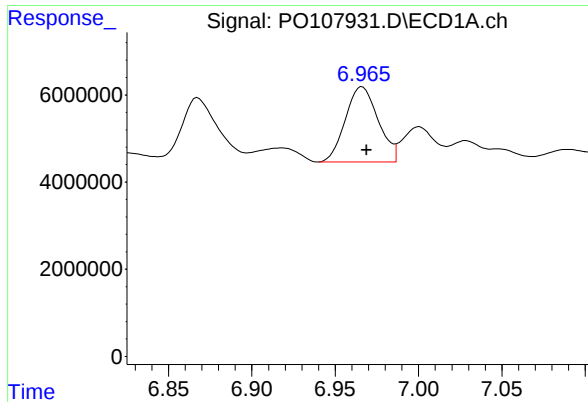
#27 AR-1254-2

R.T.: 6.601 min
Delta R.T.: -0.002 min
Response: 18240942
Conc: 43.78 ng/ml



#27 AR-1254-2

R.T.: 5.668 min
Delta R.T.: -0.002 min
Response: 4860565
Conc: 32.32 ng/ml m



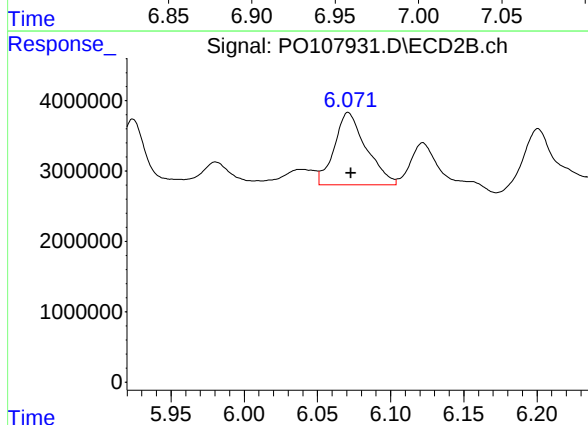
#28 AR-1254-3

R.T.: 6.966 min
Delta R.T.: -0.003 min
Response: 23697462
Conc: 60.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-1

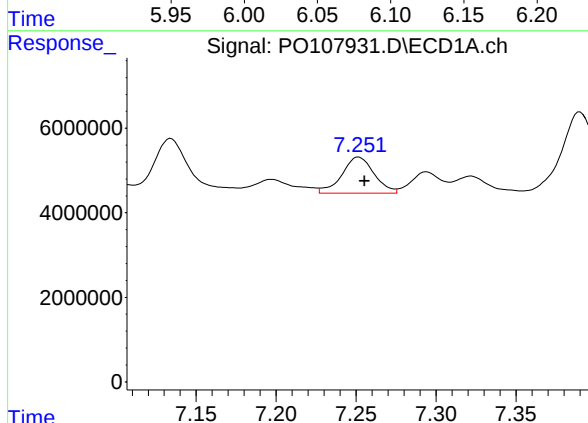
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



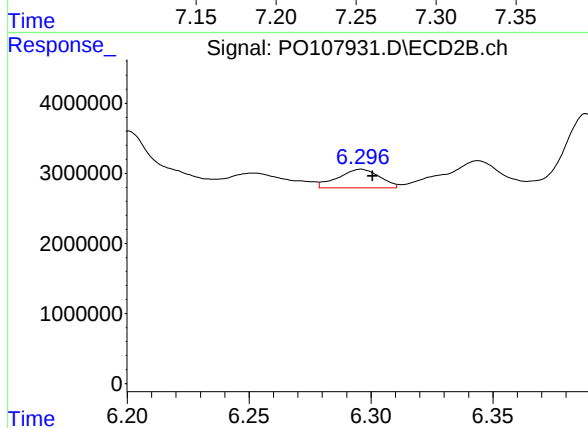
#28 AR-1254-3

R.T.: 6.071 min
Delta R.T.: -0.003 min
Response: 15602359
Conc: 63.01 ng/ml m



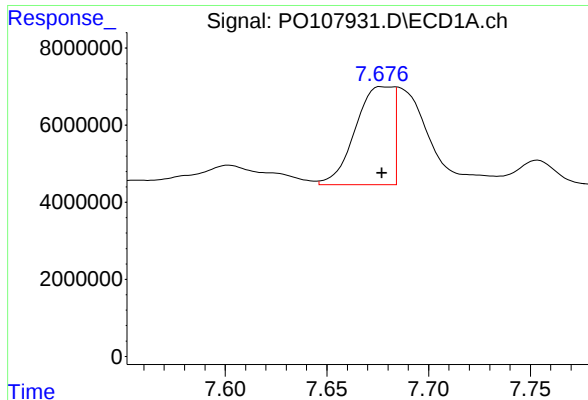
#29 AR-1254-4

R.T.: 7.252 min
Delta R.T.: -0.004 min
Response: 12061047
Conc: 42.78 ng/ml



#29 AR-1254-4

R.T.: 6.295 min
Delta R.T.: -0.005 min
Response: 3120948
Conc: 23.98 ng/ml m



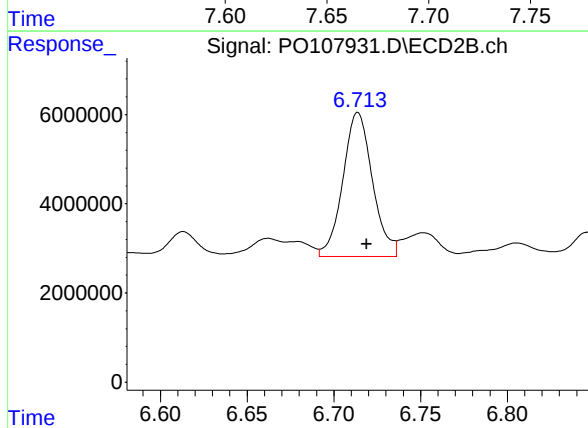
#30 AR-1254-5

R.T.: 7.676 min
Delta R.T.: -0.002 min
Response: 33833075
Conc: 126.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-1

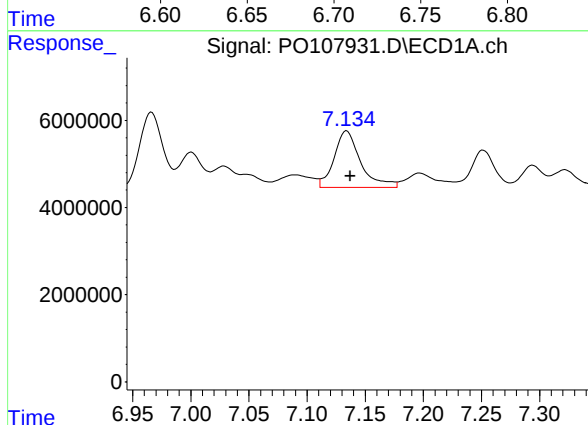
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



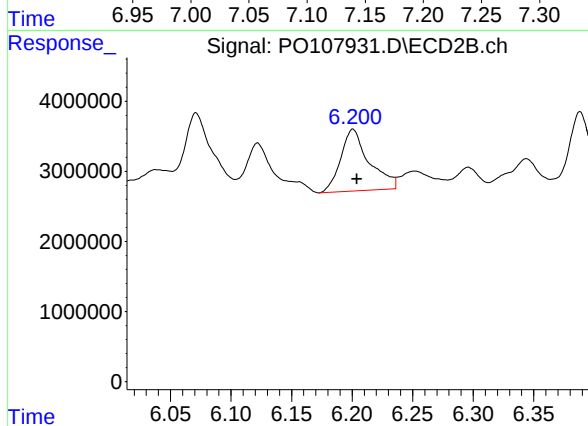
#30 AR-1254-5

R.T.: 6.714 min
Delta R.T.: -0.005 min
Response: 38361960
Conc: 181.87 ng/ml



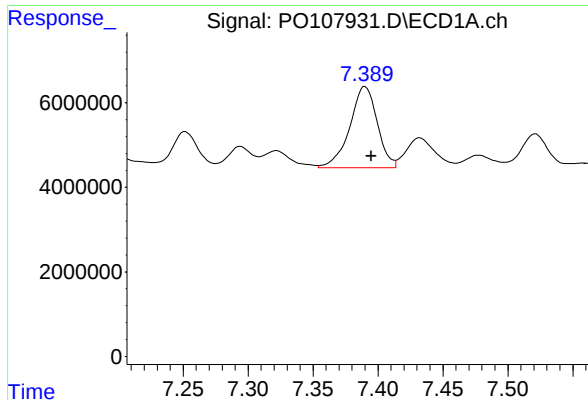
#31 AR-1260-1

R.T.: 7.134 min
Delta R.T.: -0.003 min
Response: 20679654
Conc: 72.00 ng/ml



#31 AR-1260-1

R.T.: 6.201 min
Delta R.T.: -0.003 min
Response: 14455766
Conc: 93.82 ng/ml



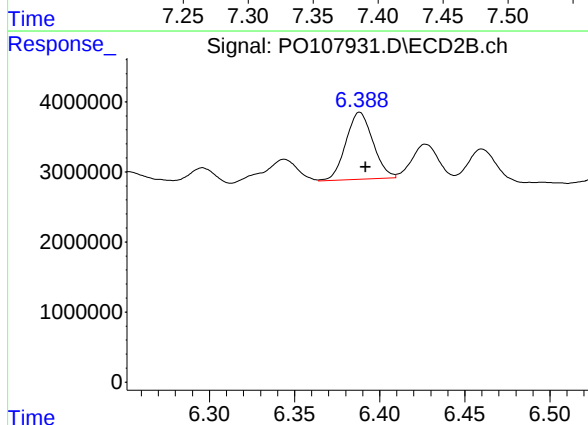
#32 AR-1260-2

R.T.: 7.390 min
Delta R.T.: -0.005 min
Response: 28354899
Conc: 95.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-1

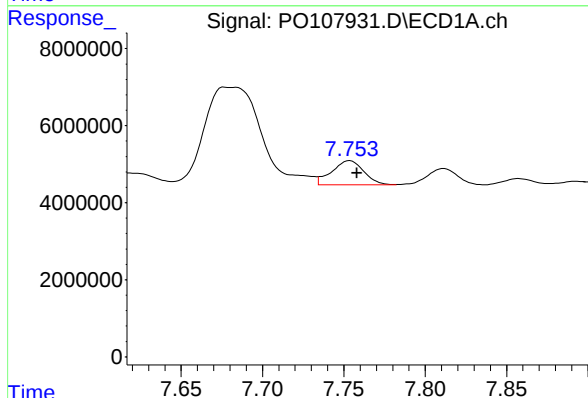
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



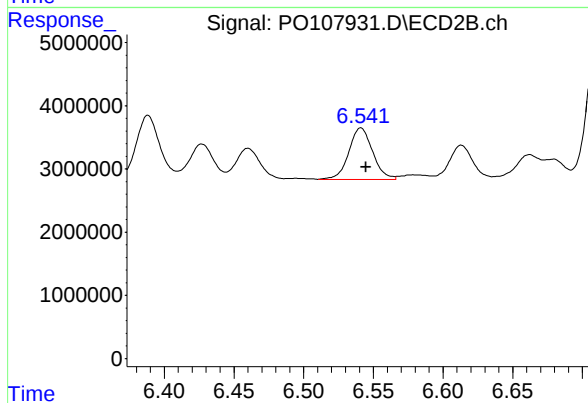
#32 AR-1260-2

R.T.: 6.388 min
Delta R.T.: -0.004 min
Response: 10550064
Conc: 56.22 ng/ml



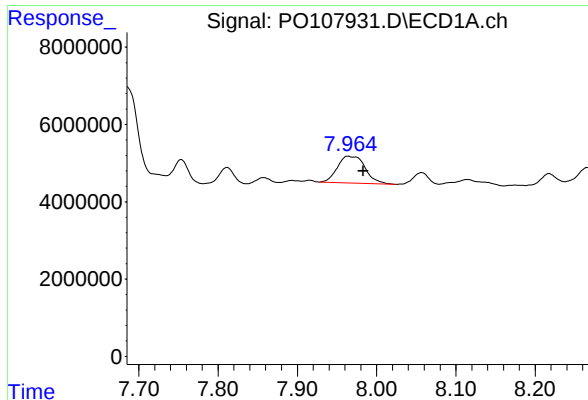
#33 AR-1260-3

R.T.: 7.754 min
Delta R.T.: -0.004 min
Response: 8550587
Conc: 37.20 ng/ml



#33 AR-1260-3

R.T.: 6.541 min
Delta R.T.: -0.004 min
Response: 9728605
Conc: 55.41 ng/ml



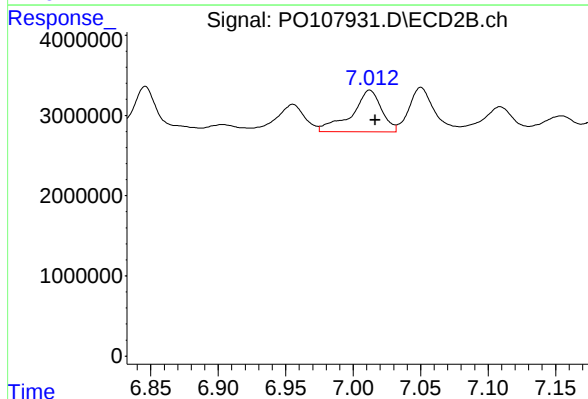
#34 AR-1260-4

R.T.: 7.964 min
Delta R.T.: -0.019 min
Response: 16819520
Conc: 70.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-1

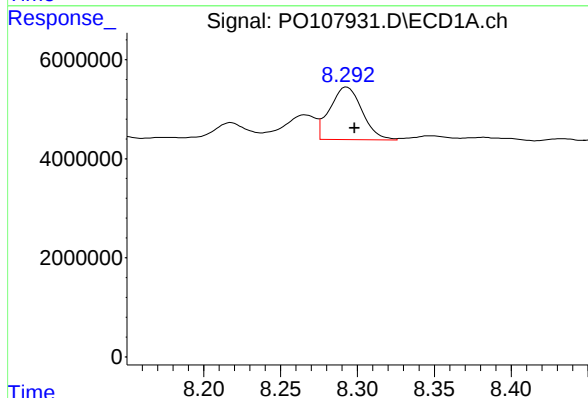
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



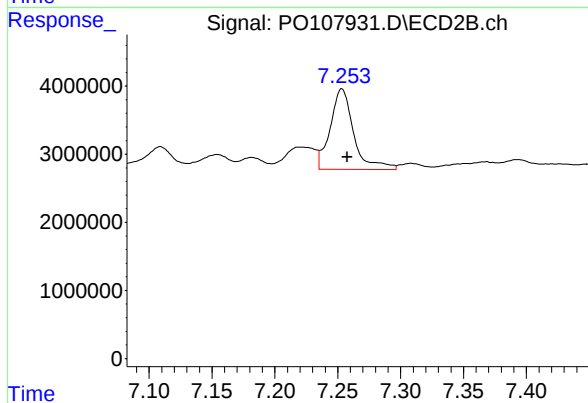
#34 AR-1260-4

R.T.: 7.012 min
Delta R.T.: -0.004 min
Response: 7973944
Conc: 53.22 ng/ml



#35 AR-1260-5

R.T.: 8.293 min
Delta R.T.: -0.005 min
Response: 15447260
Conc: 40.00 ng/ml



#35 AR-1260-5

R.T.: 7.253 min
Delta R.T.: -0.004 min
Response: 15348563
Conc: 42.16 ng/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-2	SDG No.:	P4822
Lab Sample ID:	P4822-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	89.7
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107932.D	1	11/13/24 08:40	11/13/24 15:32	PB164938

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.80	U	3.80	18.9	ug/kg
11104-28-2	Aroclor-1221	7.10	U	7.10	18.9	ug/kg
11141-16-5	Aroclor-1232	3.80	U	3.80	18.9	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	18.9	ug/kg
12672-29-6	Aroclor-1248	8.80	U	8.80	18.9	ug/kg
11097-69-1	Aroclor-1254	29.2		3.00	18.9	ug/kg
37324-23-5	Aroclor-1262	5.10	U	5.10	18.9	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.9	ug/kg
11096-82-5	Aroclor-1260	26.0		3.20	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.8		30 (32) - 150 (144)	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		30 (32) - 150 (175)	101%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
 Data File : PO107932.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 15:32
 Operator : YP/AJ
 Sample : P4822-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 SOIL-2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/14/2024
 Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 23:39:01 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.372	3.639	195.2E6	73076265	21.741	21.758
2) SA Decachlor...	10.081	8.634	58456914	63524576	19.720	20.108
Target Compounds						
26) L6 AR-1254-1	6.380	5.520	13008703	6576905	46.042m	38.962m
27) L6 AR-1254-2	6.601	5.668	20157873	7027151	48.377	46.720m
28) L6 AR-1254-3	6.967	6.071	27300848	21541992	69.938	86.993
29) L6 AR-1254-4	7.251	6.297	11503025	4130920	40.804	31.737
30) L6 AR-1254-5	7.673	6.715	50469194	38351163	188.825m	181.818
31) L7 AR-1260-1	7.134	6.201	23160513	14767334	80.638	95.846
32) L7 AR-1260-2	7.389	6.388	30303316	14577846	102.423	77.680
33) L7 AR-1260-3	7.753	6.541	10883163	11789106	47.343	67.145 #
34) L7 AR-1260-4	7.974	7.012	9874270	8521546	41.553	56.871 #
35) L7 AR-1260-5	8.292	7.253	19960791	19092361	51.689	52.439

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
Data File : PO107932.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 15:32
Operator : YP/AJ
Sample : P4822-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

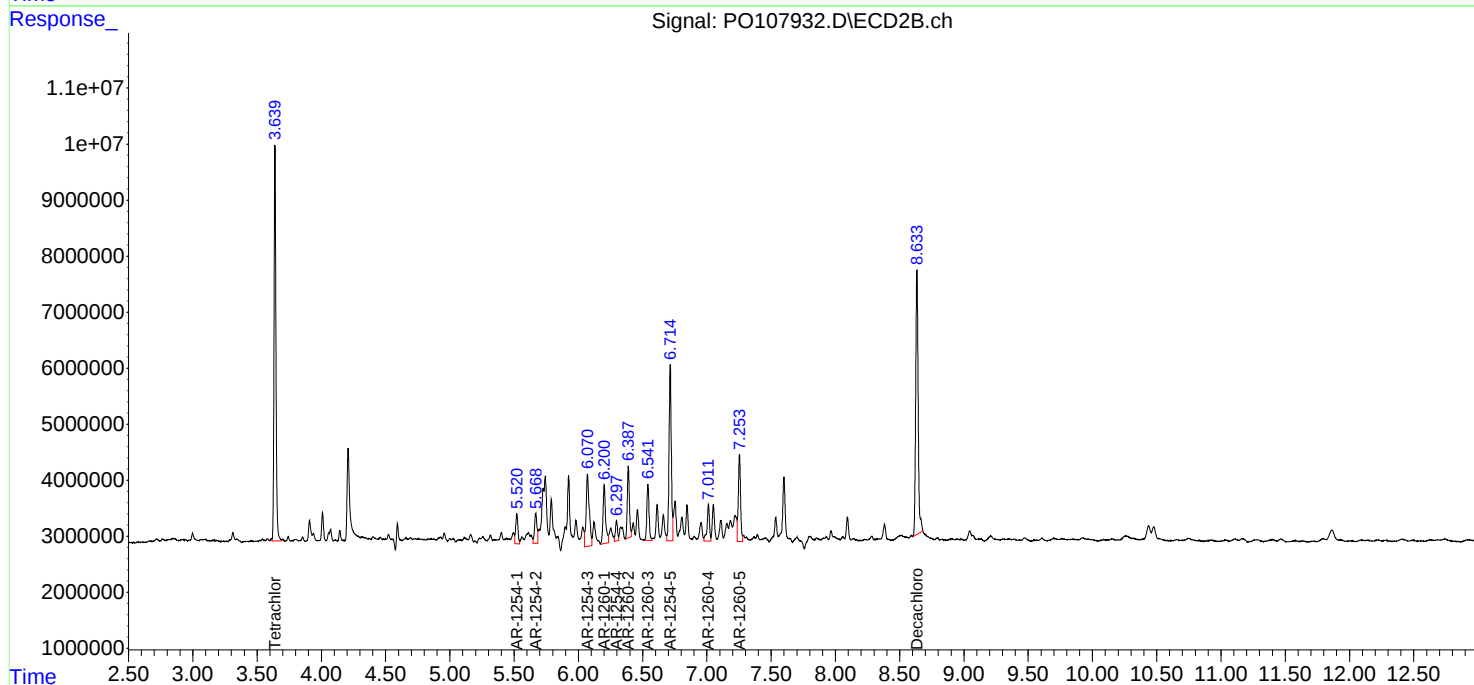
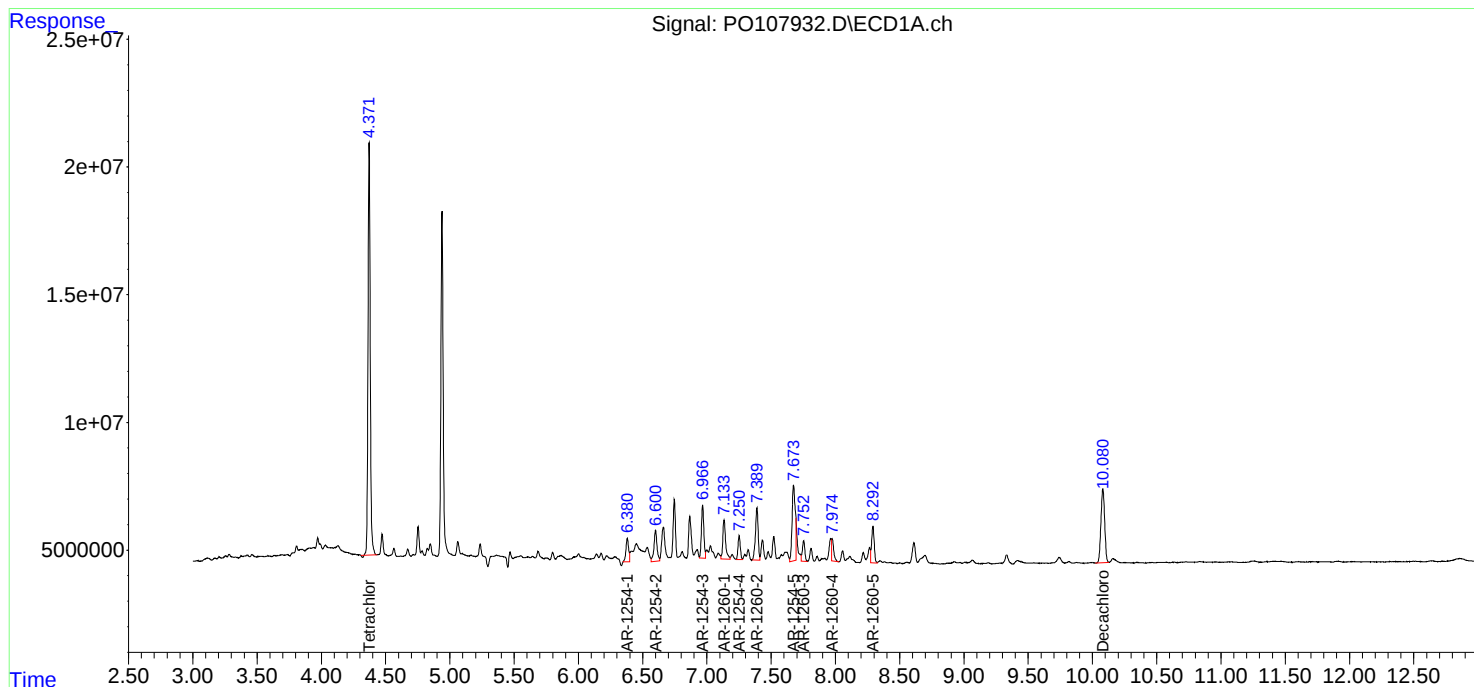
Instrument :
ECD_O
ClientSampleId :
SOIL-2

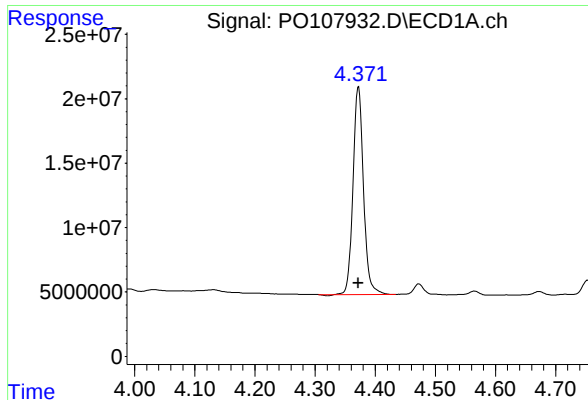
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 23:39:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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





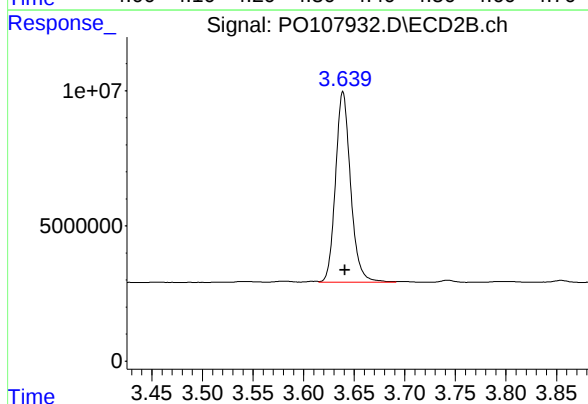
#1 Tetrachloro-m-xylene

R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 195152092
Conc: 21.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-2

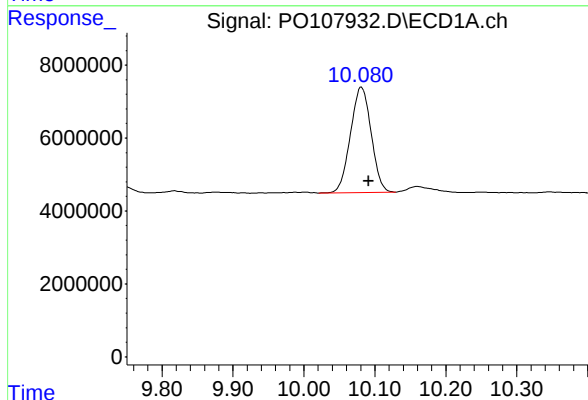
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



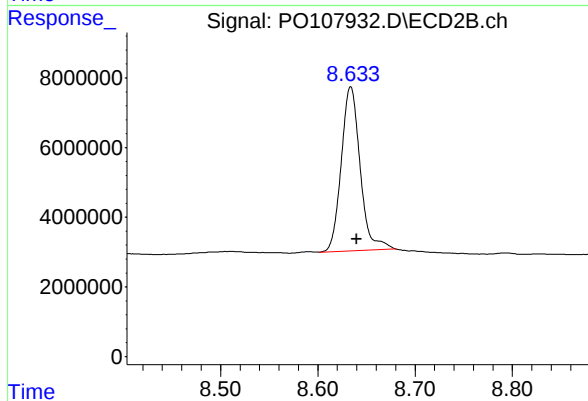
#1 Tetrachloro-m-xylene

R.T.: 3.639 min
Delta R.T.: -0.002 min
Response: 73076265
Conc: 21.76 ng/ml



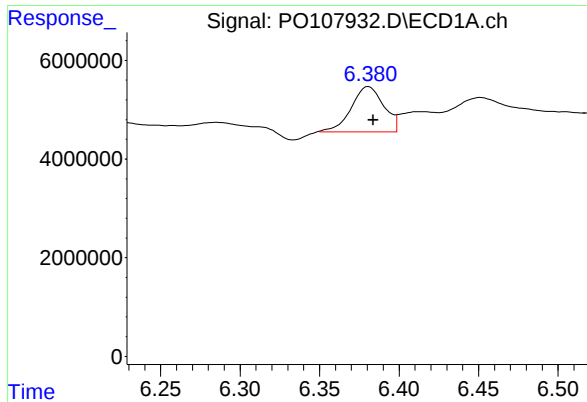
#2 Decachlorobiphenyl

R.T.: 10.081 min
Delta R.T.: -0.010 min
Response: 58456914
Conc: 19.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.006 min
Response: 63524576
Conc: 20.11 ng/ml



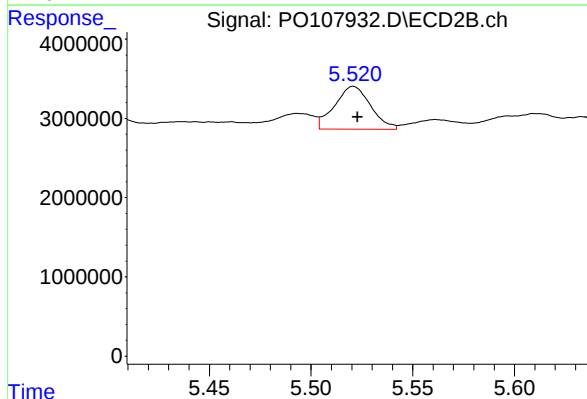
#26 AR-1254-1

R.T.: 6.380 min
Delta R.T.: -0.004 min
Response: 13008703
Conc: 46.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-2

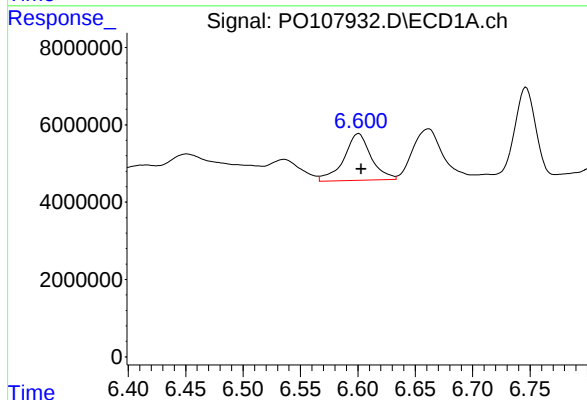
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



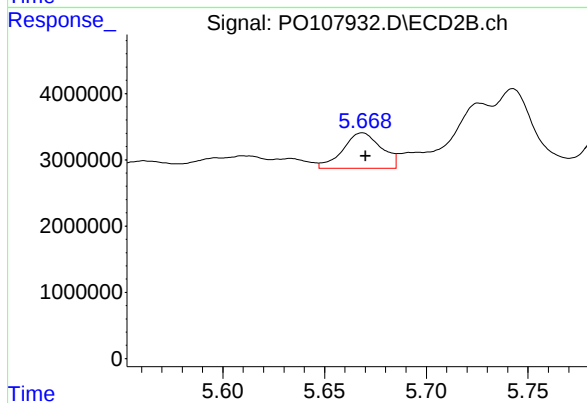
#26 AR-1254-1

R.T.: 5.520 min
Delta R.T.: -0.003 min
Response: 6576905
Conc: 38.96 ng/ml



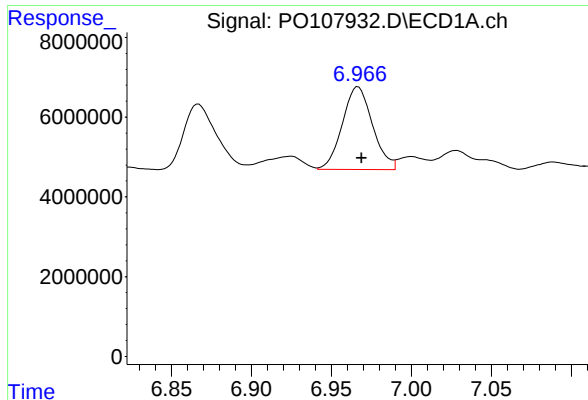
#27 AR-1254-2

R.T.: 6.601 min
Delta R.T.: -0.002 min
Response: 20157873
Conc: 48.38 ng/ml



#27 AR-1254-2

R.T.: 5.668 min
Delta R.T.: -0.002 min
Response: 7027151
Conc: 46.72 ng/ml



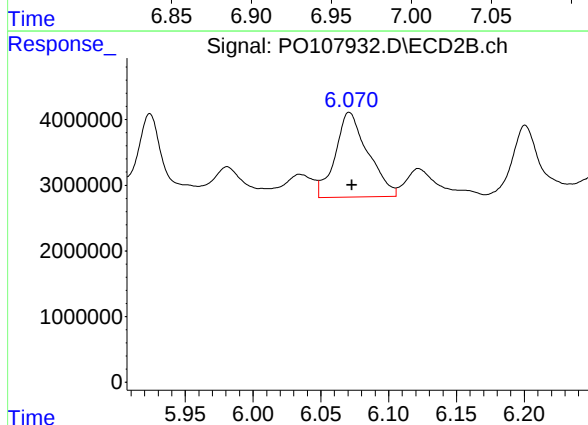
#28 AR-1254-3

R.T.: 6.967 min
Delta R.T.: -0.002 min
Response: 27300848
Conc: 69.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-2

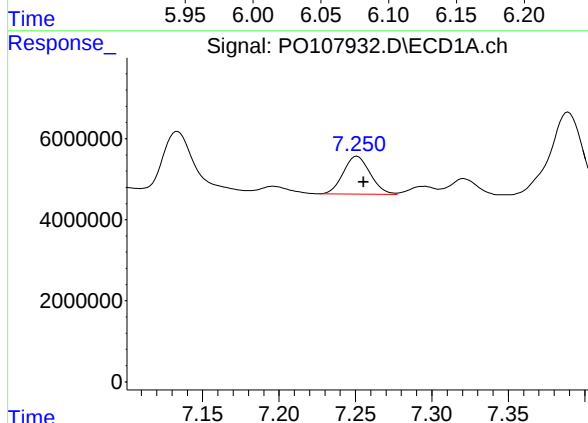
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



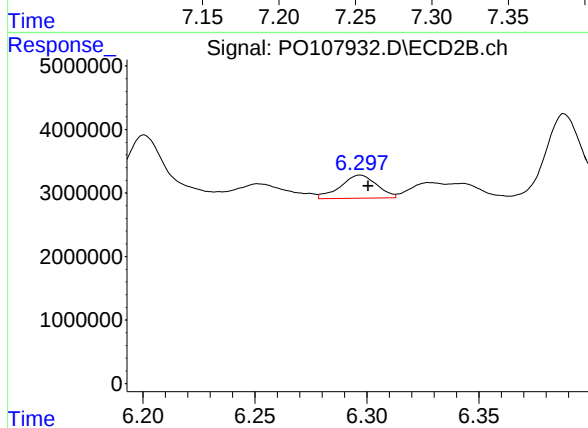
#28 AR-1254-3

R.T.: 6.071 min
Delta R.T.: -0.002 min
Response: 21541992
Conc: 86.99 ng/ml



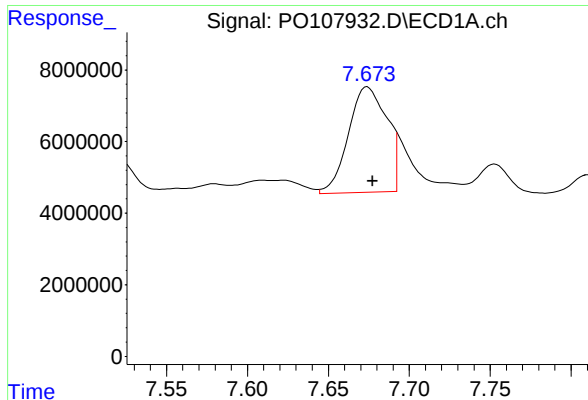
#29 AR-1254-4

R.T.: 7.251 min
Delta R.T.: -0.004 min
Response: 11503025
Conc: 40.80 ng/ml



#29 AR-1254-4

R.T.: 6.297 min
Delta R.T.: -0.004 min
Response: 4130920
Conc: 31.74 ng/ml



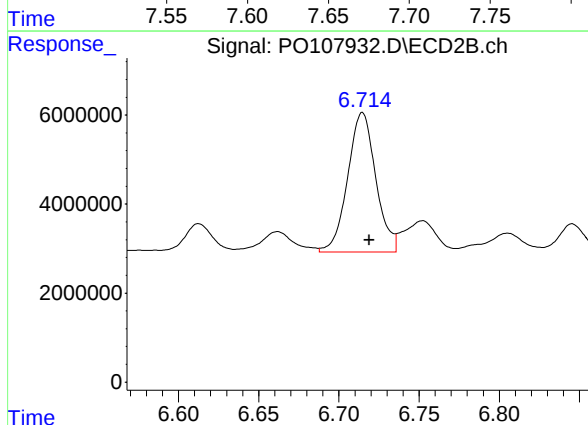
#30 AR-1254-5

R.T.: 7.673 min
Delta R.T.: -0.004 min
Response: 50469194
Conc: 188.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-2

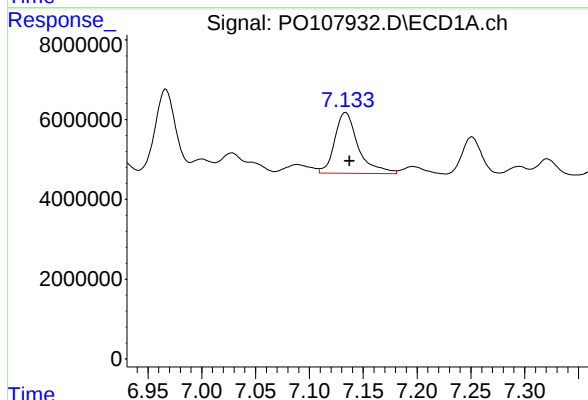
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



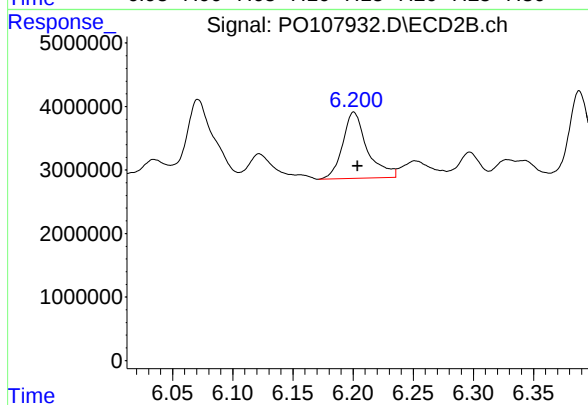
#30 AR-1254-5

R.T.: 6.715 min
Delta R.T.: -0.004 min
Response: 38351163
Conc: 181.82 ng/ml



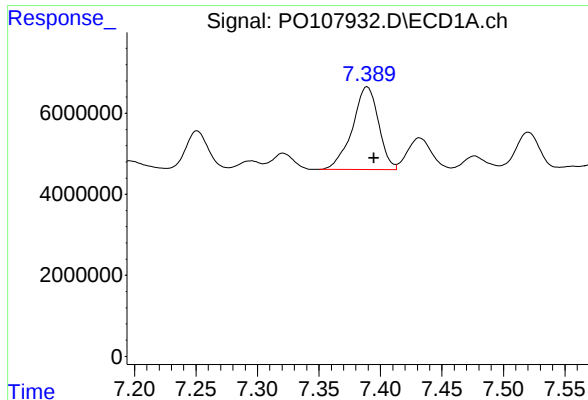
#31 AR-1260-1

R.T.: 7.134 min
Delta R.T.: -0.004 min
Response: 23160513
Conc: 80.64 ng/ml



#31 AR-1260-1

R.T.: 6.201 min
Delta R.T.: -0.003 min
Response: 14767334
Conc: 95.85 ng/ml



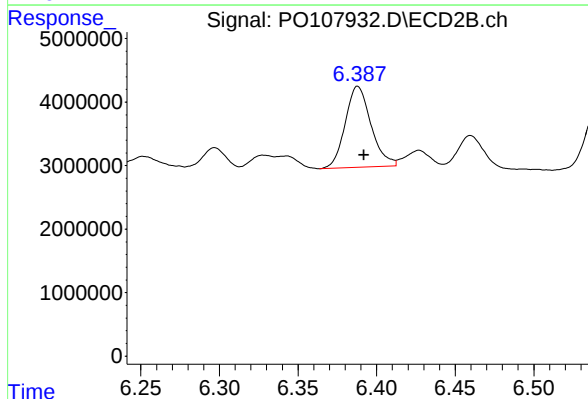
#32 AR-1260-2

R.T.: 7.389 min
Delta R.T.: -0.005 min
Response: 30303316
Conc: 102.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-2

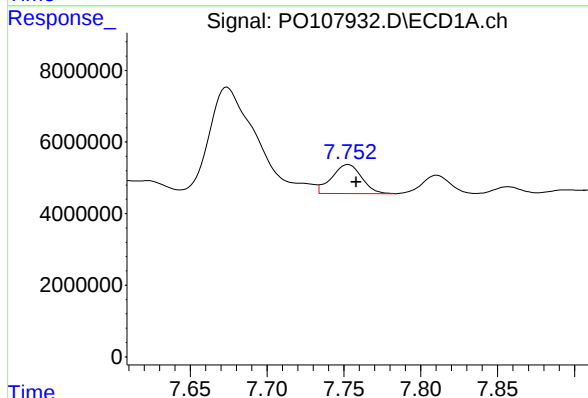
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



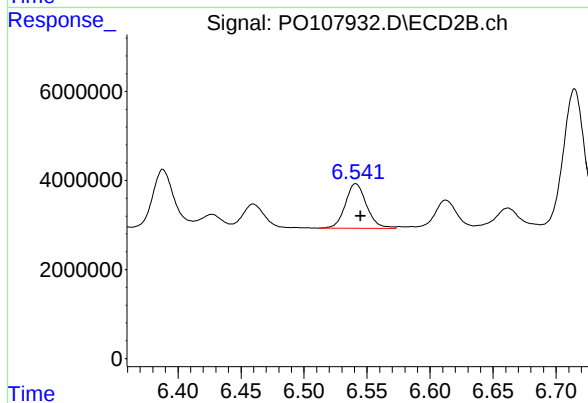
#32 AR-1260-2

R.T.: 6.388 min
Delta R.T.: -0.004 min
Response: 14577846
Conc: 77.68 ng/ml



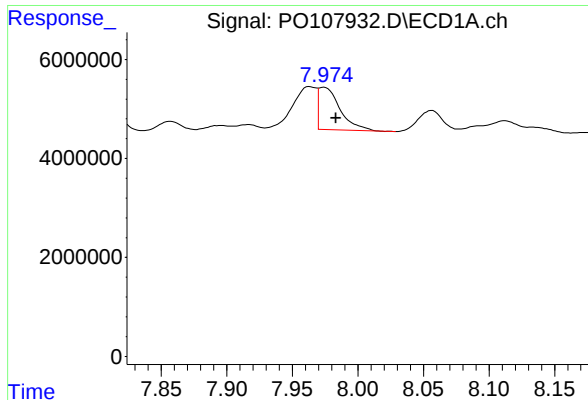
#33 AR-1260-3

R.T.: 7.753 min
Delta R.T.: -0.005 min
Response: 10883163
Conc: 47.34 ng/ml



#33 AR-1260-3

R.T.: 6.541 min
Delta R.T.: -0.004 min
Response: 11789106
Conc: 67.15 ng/ml



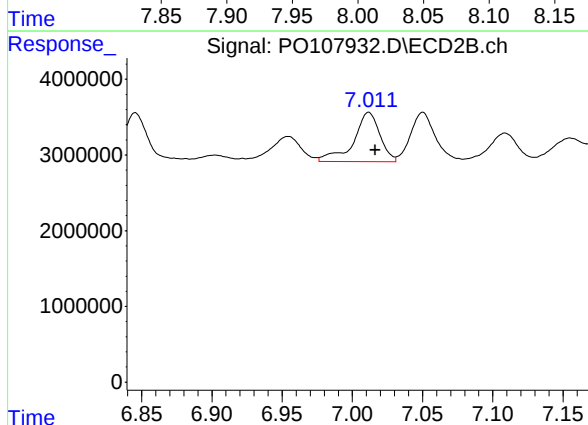
#34 AR-1260-4

R.T.: 7.974 min
Delta R.T.: -0.009 min
Response: 9874270
Conc: 41.55 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-2

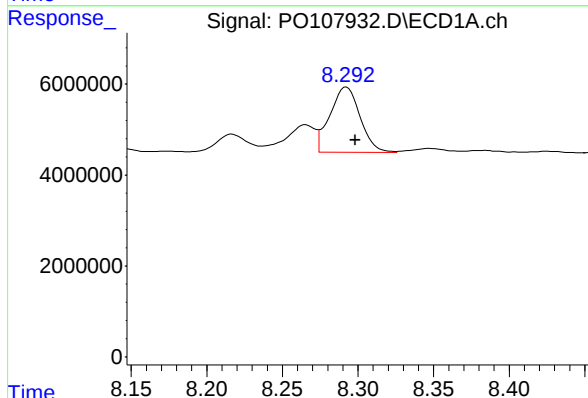
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



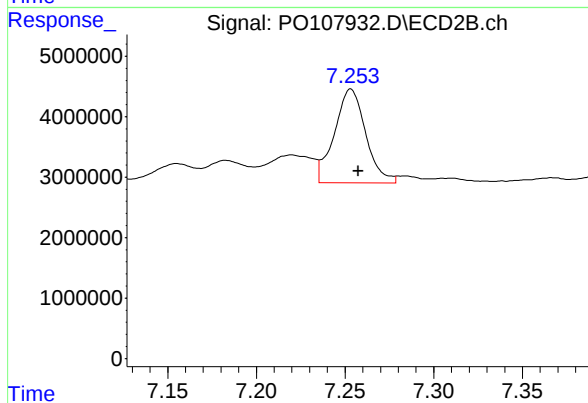
#34 AR-1260-4

R.T.: 7.012 min
Delta R.T.: -0.005 min
Response: 8521546
Conc: 56.87 ng/ml



#35 AR-1260-5

R.T.: 8.292 min
Delta R.T.: -0.006 min
Response: 19960791
Conc: 51.69 ng/ml



#35 AR-1260-5

R.T.: 7.253 min
Delta R.T.: -0.004 min
Response: 19092361
Conc: 52.44 ng/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-3	SDG No.:	P4822
Lab Sample ID:	P4822-06	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.4
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107933.D	1	11/13/24 08:40	11/13/24 15:49	PB164938

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.70	U	3.70	18.6	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.6	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.6	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.6	ug/kg
12672-29-6	Aroclor-1248	8.60	U	8.60	18.6	ug/kg
11097-69-1	Aroclor-1254	24.7		3.00	18.6	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.6	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.6	ug/kg
11096-82-5	Aroclor-1260	23.0		3.20	18.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.5		30 (32) - 150 (144)	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.6		30 (32) - 150 (175)	78%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
 Data File : PO107933.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 15:49
 Operator : YP/AJ
 Sample : P4822-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

SOIL-3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 23:39:38 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.372	3.639	156.9E6	58363678	17.484	17.377
2) SA Decachlor...	10.083	8.634	46304211	48524290	15.620	15.360
Target Compounds						
26) L6 AR-1254-1	6.382	5.521	14185282	6087659	50.206	36.064 #
27) L6 AR-1254-2	6.601	5.668	16546493	4945496	39.710	32.880m
28) L6 AR-1254-3	6.967	6.070	22038364	17534796	56.457	70.811 #
29) L6 AR-1254-4	7.252	6.294	10781824	1901163	38.246	14.606 #
30) L6 AR-1254-5	7.675	6.714	41080249	36374939	153.697m	172.449
31) L7 AR-1260-1	7.134	6.201	20836435	12885559	72.546	83.632
32) L7 AR-1260-2	7.391	6.389	26724239	13588362	90.326	72.408
33) L7 AR-1260-3	7.755	6.541	10705014	10325177	46.568	58.807 #
34) L7 AR-1260-4	7.972	7.013	11283826	7683698	47.485m	51.279
35) L7 AR-1260-5	8.293	7.253	18061735	17975217	46.771	49.371

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
Data File : PO107933.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 15:49
Operator : YP/AJ
Sample : P4822-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

SOIL-3

Manual Integrations

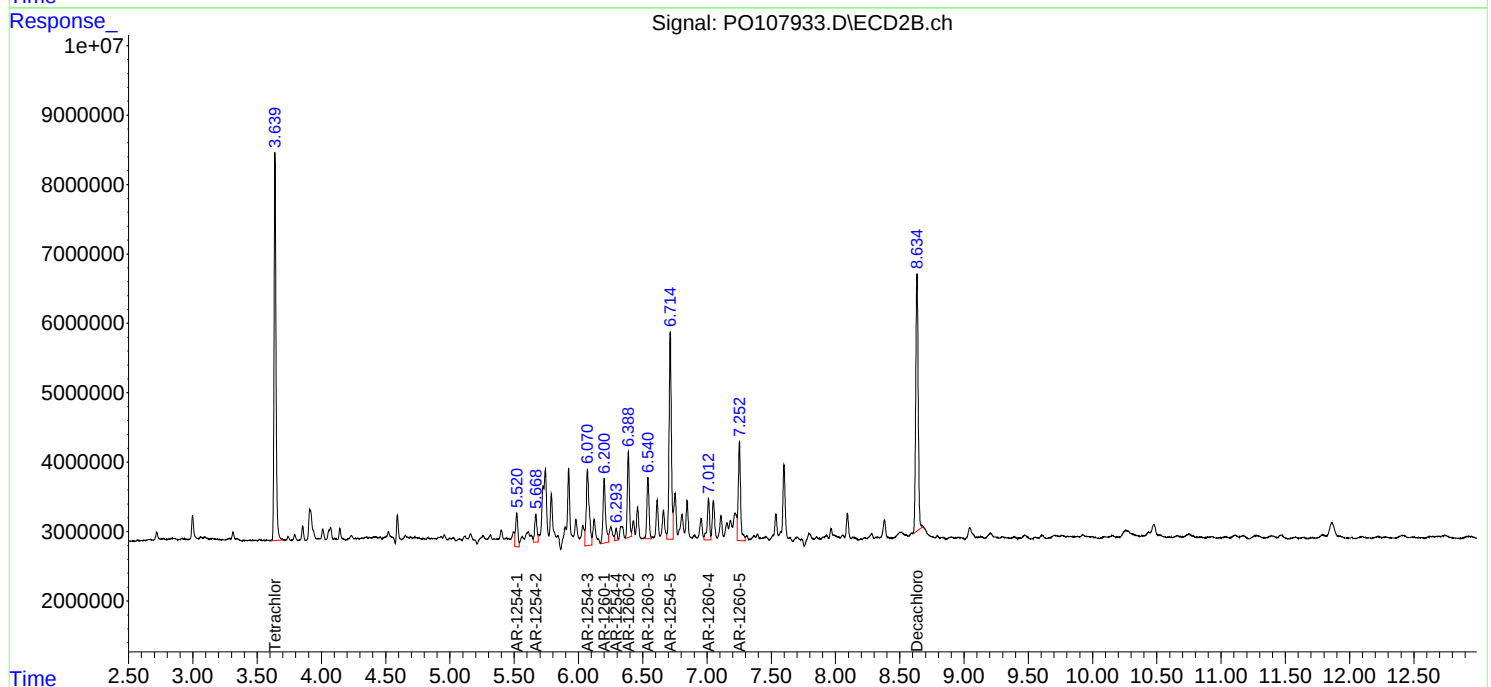
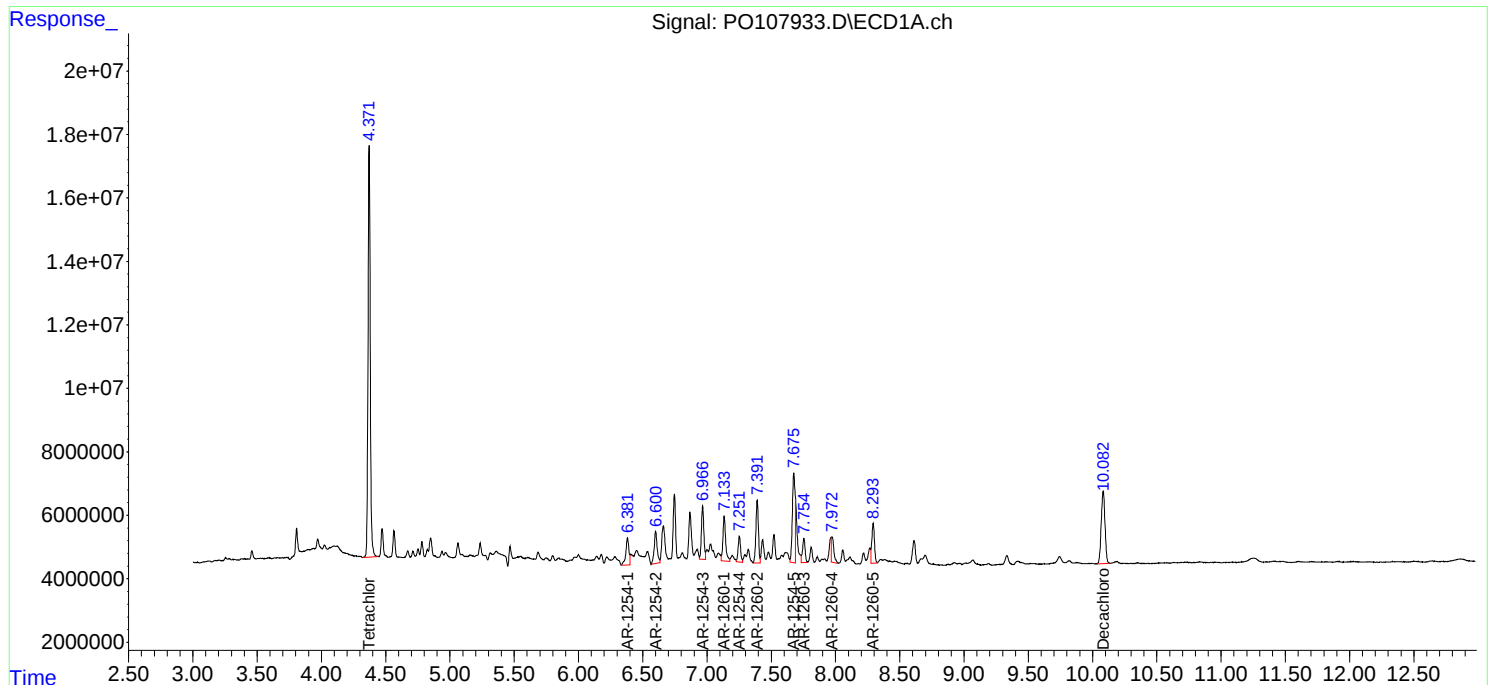
APPROVED

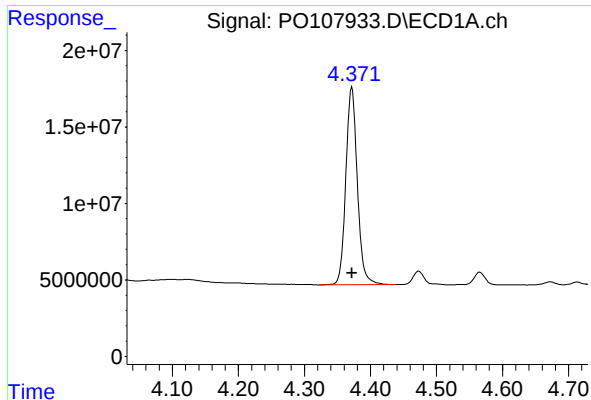
Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 23:39:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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





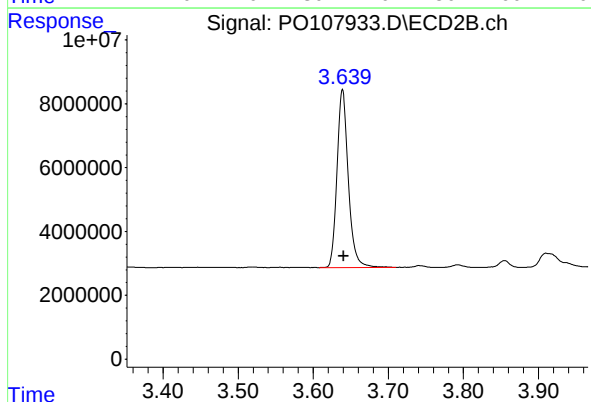
#1 Tetrachloro-m-xylene

R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 156943049
Conc: 17.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-3

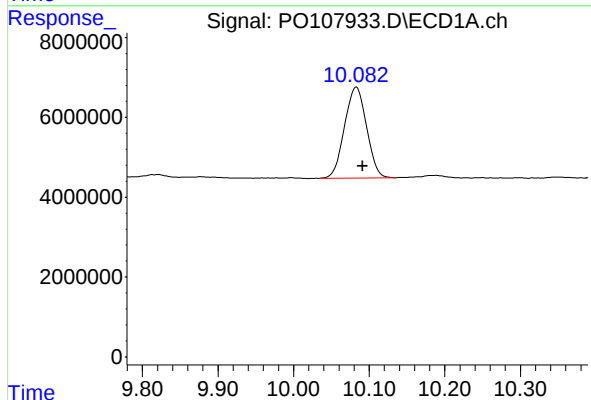
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



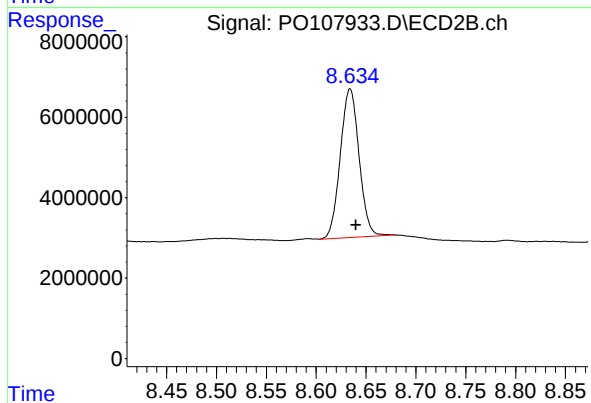
#1 Tetrachloro-m-xylene

R.T.: 3.639 min
Delta R.T.: -0.002 min
Response: 58363678
Conc: 17.38 ng/ml



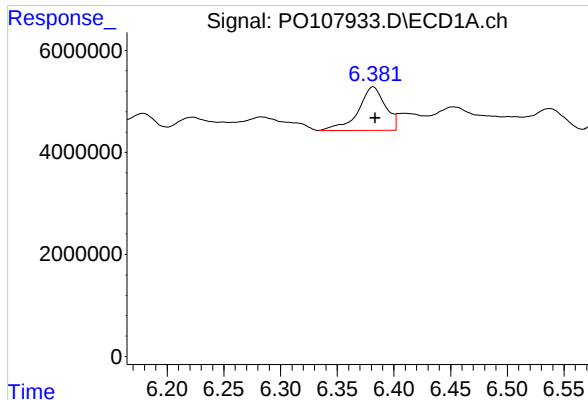
#2 Decachlorobiphenyl

R.T.: 10.083 min
Delta R.T.: -0.008 min
Response: 46304211
Conc: 15.62 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.006 min
Response: 48524290
Conc: 15.36 ng/ml



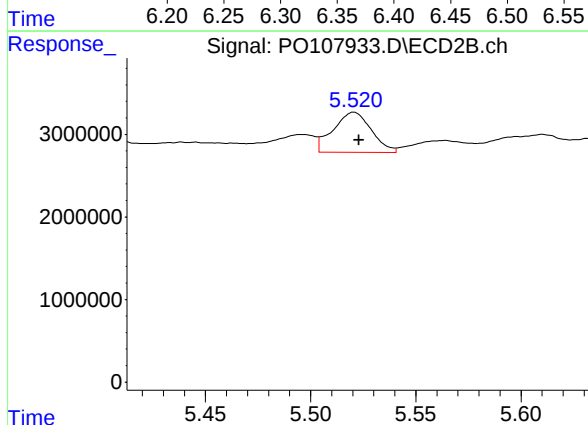
#26 AR-1254-1

R.T.: 6.382 min
Delta R.T.: -0.002 min
Response: 14185282
Conc: 50.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-3

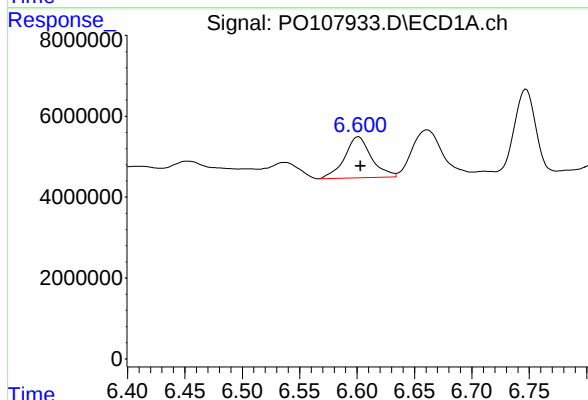
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



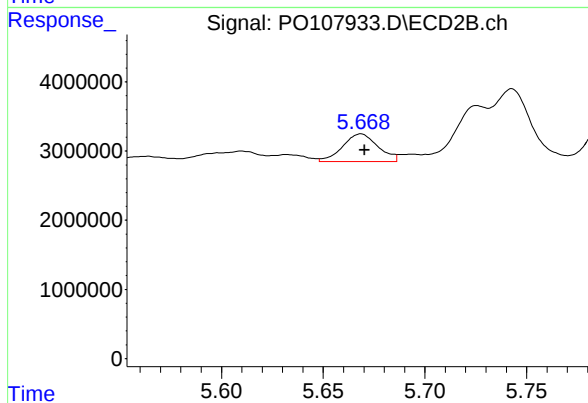
#26 AR-1254-1

R.T.: 5.521 min
Delta R.T.: -0.002 min
Response: 6087659
Conc: 36.06 ng/ml



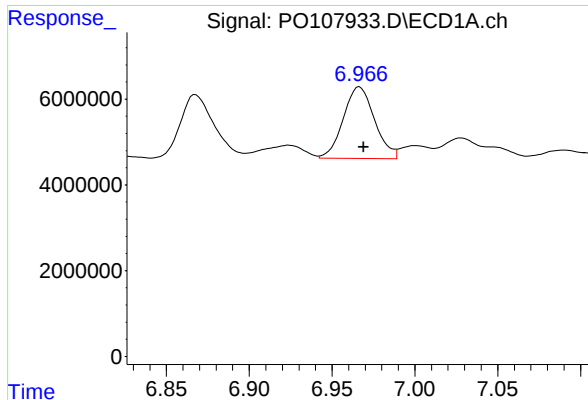
#27 AR-1254-2

R.T.: 6.601 min
Delta R.T.: -0.002 min
Response: 16546493
Conc: 39.71 ng/ml



#27 AR-1254-2

R.T.: 5.668 min
Delta R.T.: -0.002 min
Response: 4945496
Conc: 32.88 ng/ml m



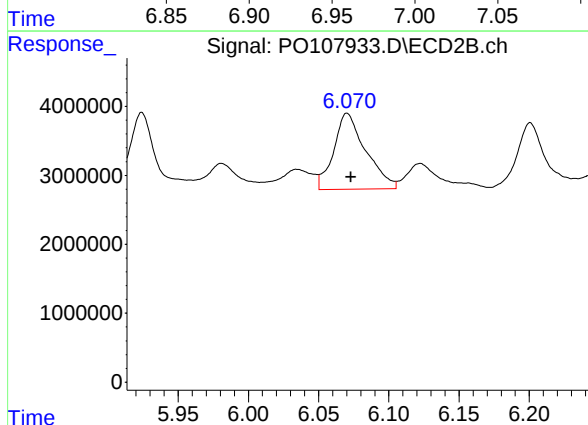
#28 AR-1254-3

R.T.: 6.967 min
Delta R.T.: -0.002 min
Response: 22038364
Conc: 56.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-3

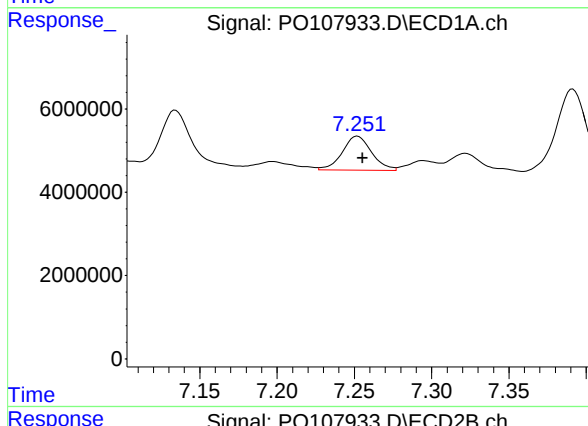
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



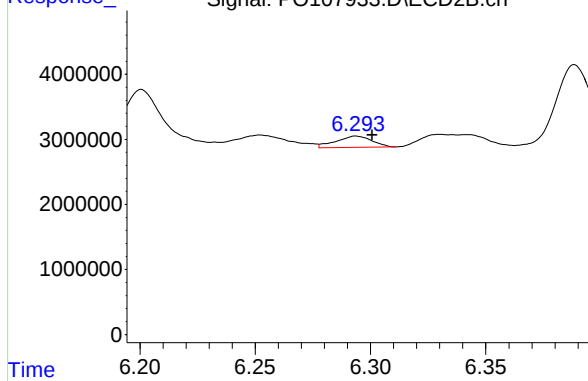
#28 AR-1254-3

R.T.: 6.070 min
Delta R.T.: -0.003 min
Response: 17534796
Conc: 70.81 ng/ml



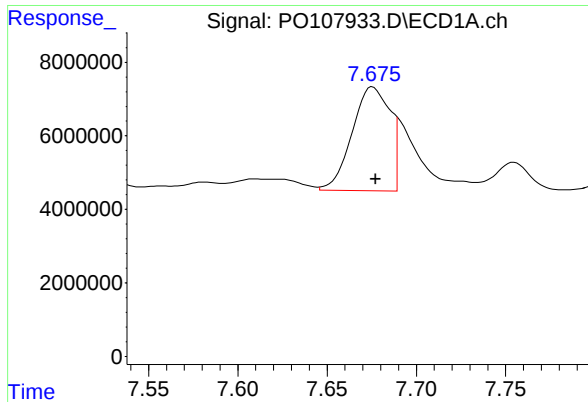
#29 AR-1254-4

R.T.: 7.252 min
Delta R.T.: -0.003 min
Response: 10781824
Conc: 38.25 ng/ml



#29 AR-1254-4

R.T.: 6.294 min
Delta R.T.: -0.007 min
Response: 1901163
Conc: 14.61 ng/ml



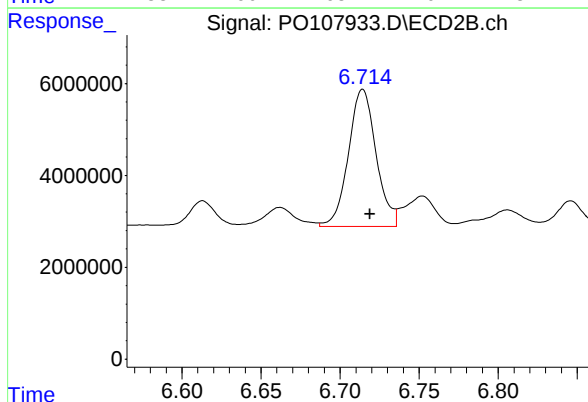
#30 AR-1254-5

R.T.: 7.675 min
Delta R.T.: -0.002 min
Response: 41080249
Conc: 153.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-3

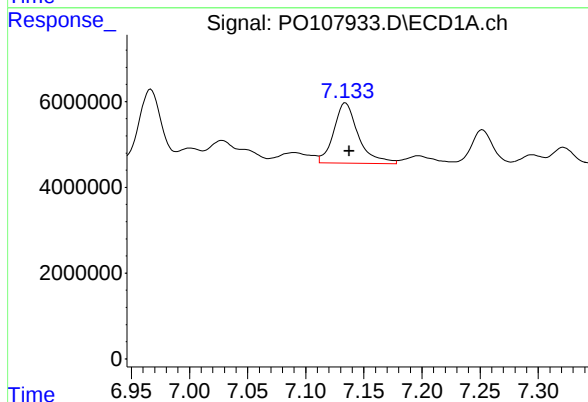
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



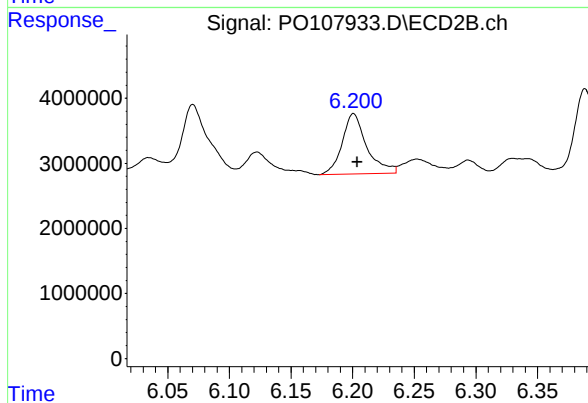
#30 AR-1254-5

R.T.: 6.714 min
Delta R.T.: -0.005 min
Response: 36374939
Conc: 172.45 ng/ml



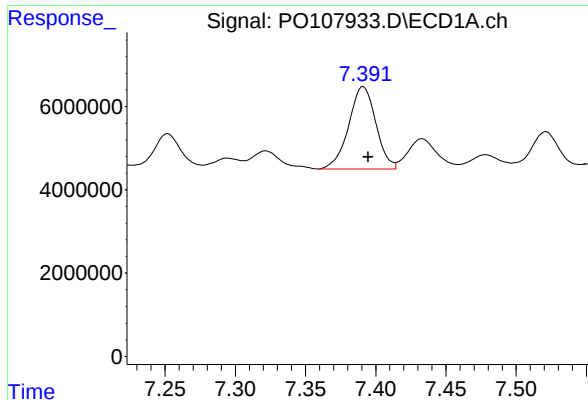
#31 AR-1260-1

R.T.: 7.134 min
Delta R.T.: -0.003 min
Response: 20836435
Conc: 72.55 ng/ml



#31 AR-1260-1

R.T.: 6.201 min
Delta R.T.: -0.003 min
Response: 12885559
Conc: 83.63 ng/ml



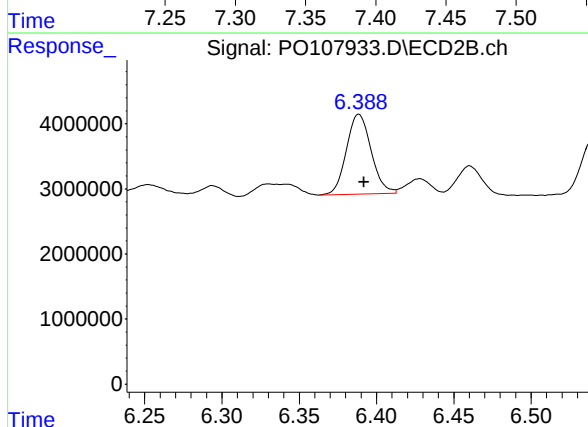
#32 AR-1260-2

R.T.: 7.391 min
Delta R.T.: -0.003 min
Response: 26724239
Conc: 90.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-3

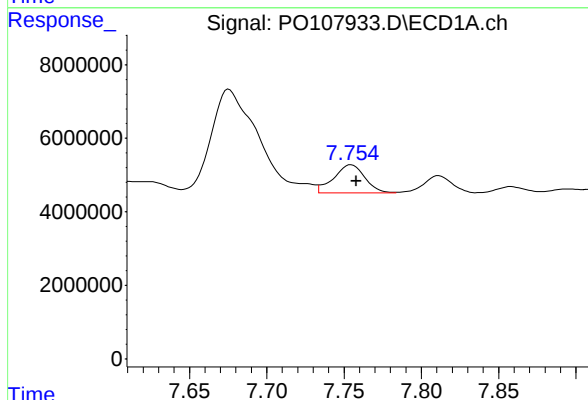
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



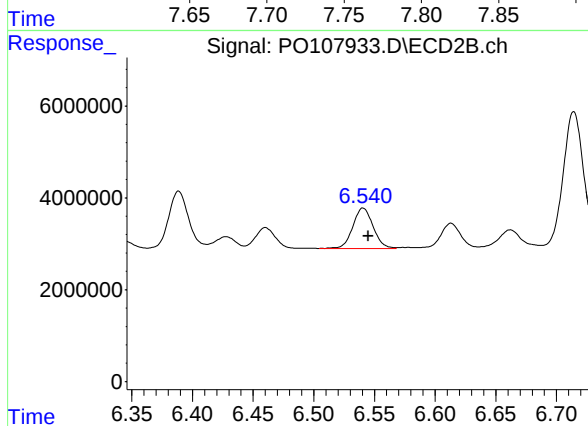
#32 AR-1260-2

R.T.: 6.389 min
Delta R.T.: -0.003 min
Response: 13588362
Conc: 72.41 ng/ml



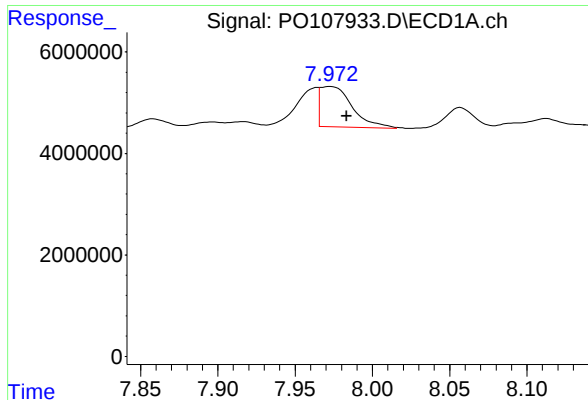
#33 AR-1260-3

R.T.: 7.755 min
Delta R.T.: -0.003 min
Response: 10705014
Conc: 46.57 ng/ml



#33 AR-1260-3

R.T.: 6.541 min
Delta R.T.: -0.004 min
Response: 10325177
Conc: 58.81 ng/ml



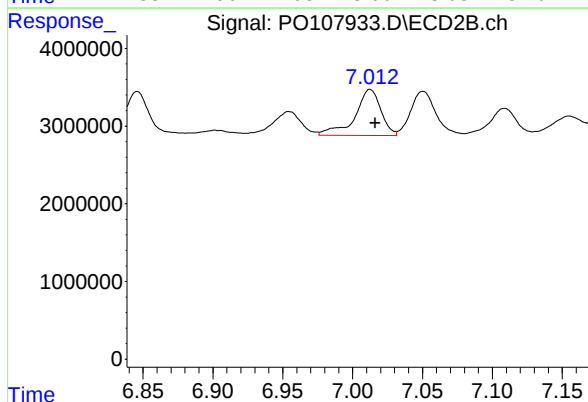
#34 AR-1260-4

R.T.: 7.972 min
Delta R.T.: -0.011 min
Response: 11283826
Conc: 47.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-3

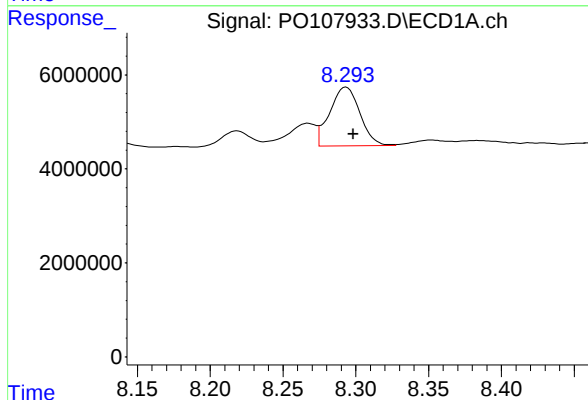
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



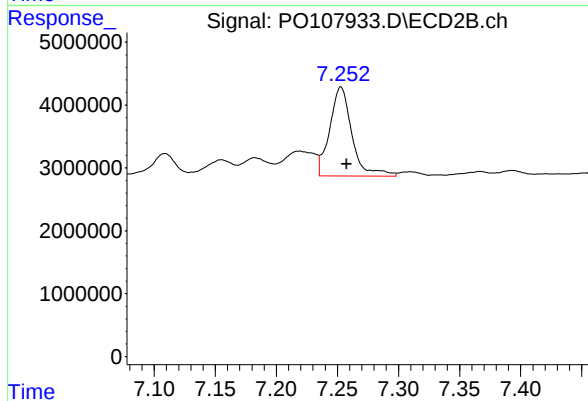
#34 AR-1260-4

R.T.: 7.013 min
Delta R.T.: -0.004 min
Response: 7683698
Conc: 51.28 ng/ml



#35 AR-1260-5

R.T.: 8.293 min
Delta R.T.: -0.005 min
Response: 18061735
Conc: 46.77 ng/ml



#35 AR-1260-5

R.T.: 7.253 min
Delta R.T.: -0.005 min
Response: 17975217
Conc: 49.37 ng/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-4	SDG No.:	P4822
Lab Sample ID:	P4822-08	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	92.9
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107936.D	1	11/13/24 08:40	11/13/24 16:39	PB164938

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.60	U	3.60	18.2	ug/kg
11104-28-2	Aroclor-1221	6.90	U	6.90	18.2	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.2	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.2	ug/kg
12672-29-6	Aroclor-1248	8.50	U	8.50	18.2	ug/kg
11097-69-1	Aroclor-1254	38.9		2.90	18.2	ug/kg
37324-23-5	Aroclor-1262	4.90	U	4.90	18.2	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.2	ug/kg
11096-82-5	Aroclor-1260	32.0		3.10	18.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.3		30 (32) - 150 (144)	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.2		30 (32) - 150 (175)	96%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
 Data File : PO107936.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 16:39
 Operator : YP/AJ
 Sample : P4822-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

SOIL-4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 23:41:28 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.372	3.639	183.9E6	71682081	20.482	21.343
2) SA Decachlor...	10.082	8.633	56917141	58377897	19.200	18.479
Target Compounds						
26) L6 AR-1254-1	6.382	5.522	25658314	10288662	90.813	60.951m#
27) L6 AR-1254-2	6.602	5.668	24508800	7239383	58.819	48.131m
28) L6 AR-1254-3	6.967	6.071	36764695	26632057	94.182	107.549m
29) L6 AR-1254-4	7.252	6.298	17799662	6923633	63.140	53.194
30) L6 AR-1254-5	7.675	6.715	60193697	57807570	225.208m	274.059
31) L7 AR-1260-1	7.134	6.201	28611669	19380113	99.617	125.785 #
32) L7 AR-1260-2	7.391	6.388	41457863	18626358	140.124	99.254 #
33) L7 AR-1260-3	7.754	6.541	14657652	15821916	63.762	90.114 #
34) L7 AR-1260-4	7.966	7.012	15505161	10567546	65.249m	70.525
35) L7 AR-1260-5	8.294	7.253	25472126	22574235	65.960	62.002

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
Data File : PO107936.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 16:39
Operator : YP/AJ
Sample : P4822-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

SOIL-4

Manual Integrations

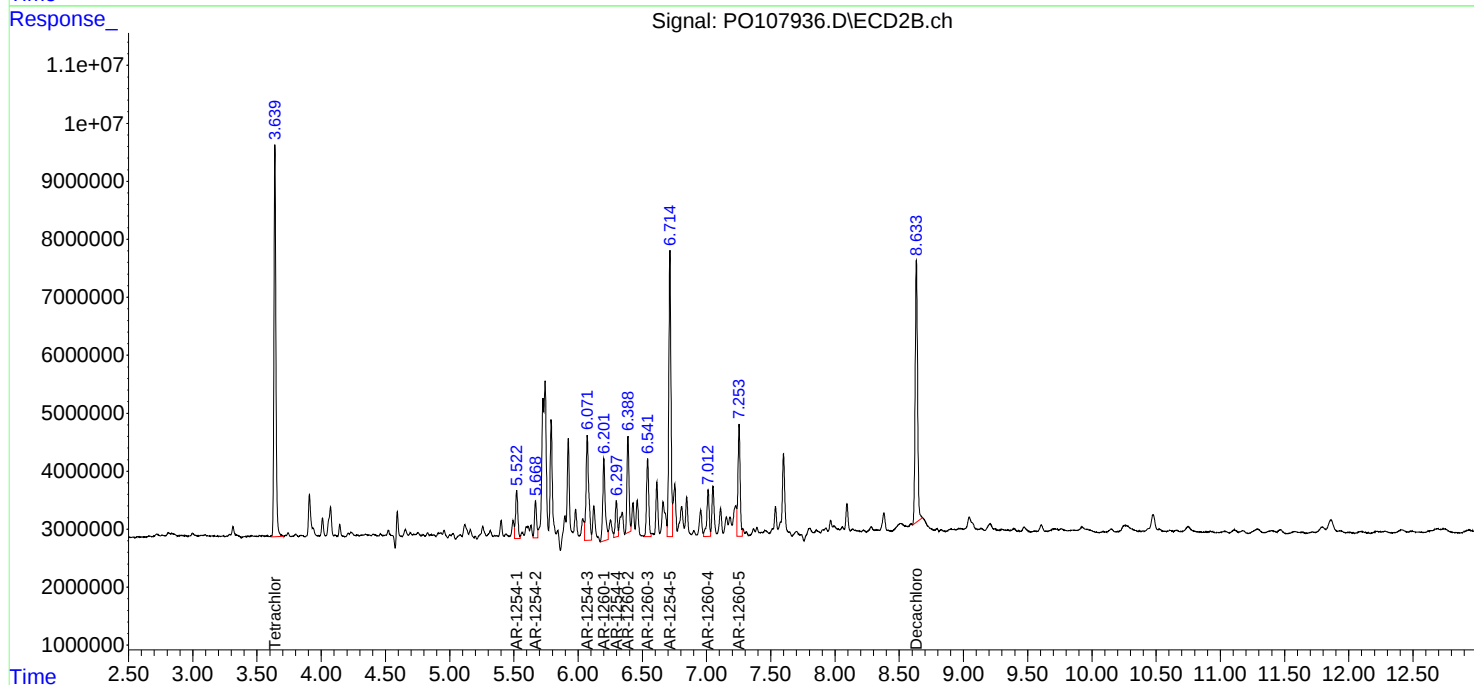
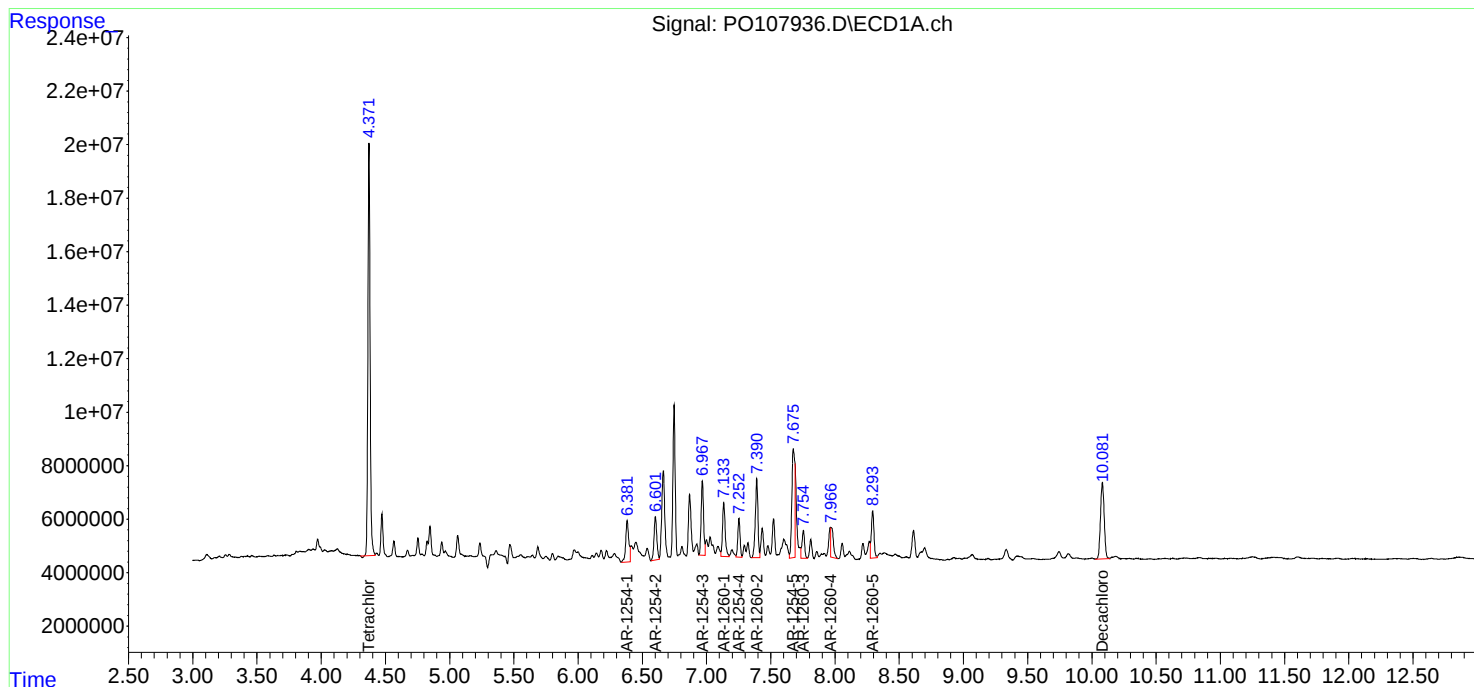
APPROVED

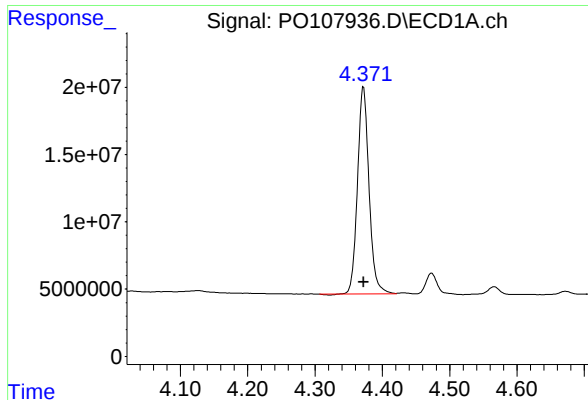
Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 23:41:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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





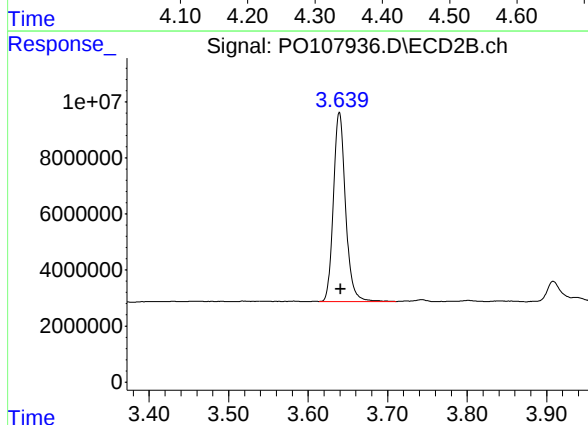
#1 Tetrachloro-m-xylene

R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 183856247
Conc: 20.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-4

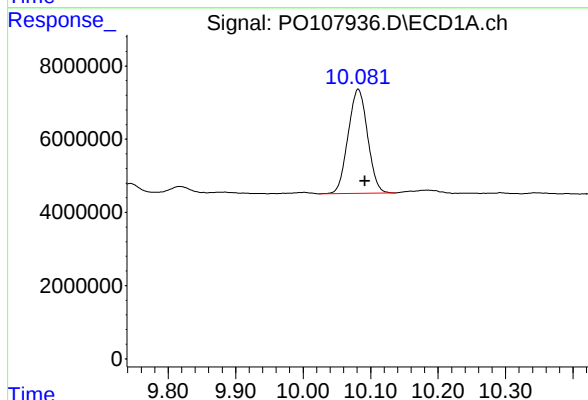
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



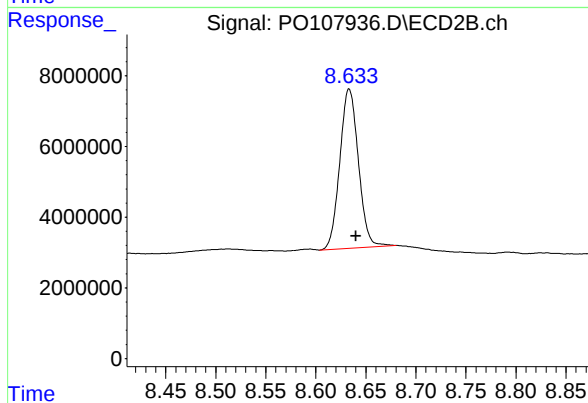
#1 Tetrachloro-m-xylene

R.T.: 3.639 min
Delta R.T.: -0.001 min
Response: 71682081
Conc: 21.34 ng/ml



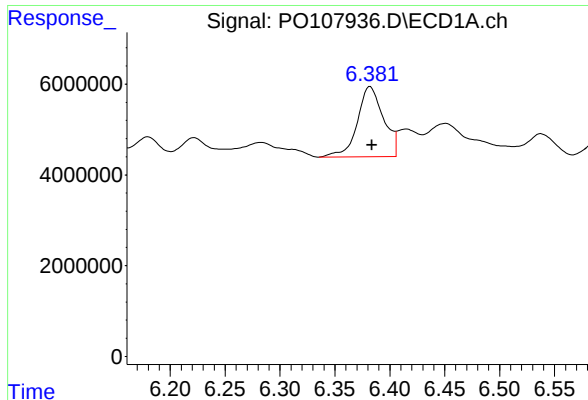
#2 Decachlorobiphenyl

R.T.: 10.082 min
Delta R.T.: -0.010 min
Response: 56917141
Conc: 19.20 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.633 min
Delta R.T.: -0.007 min
Response: 58377897
Conc: 18.48 ng/ml



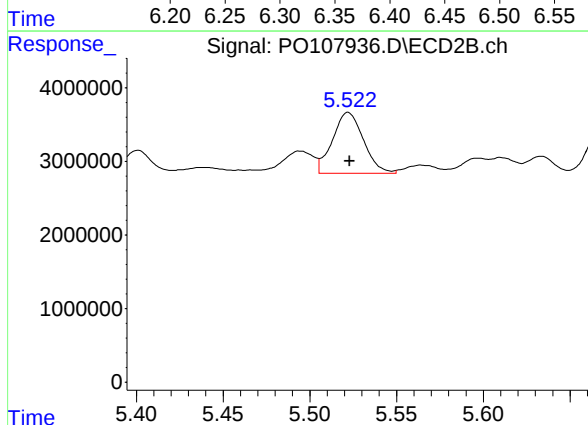
#26 AR-1254-1

R.T.: 6.382 min
Delta R.T.: -0.002 min
Response: 25658314
Conc: 90.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-4

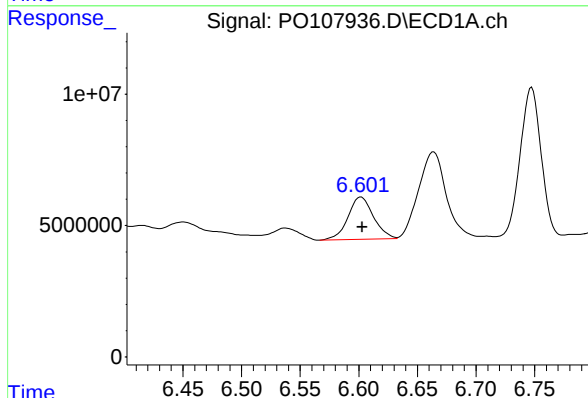
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



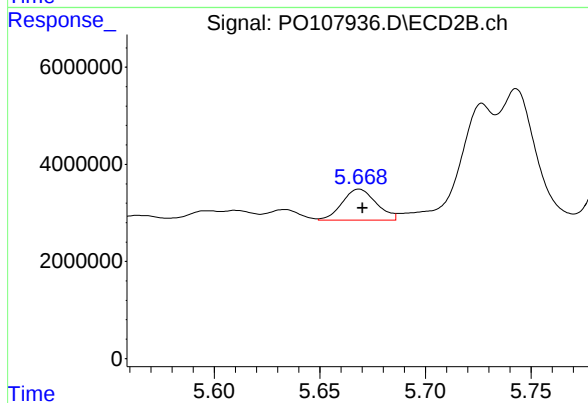
#26 AR-1254-1

R.T.: 5.522 min
Delta R.T.: -0.001 min
Response: 10288662
Conc: 60.95 ng/ml



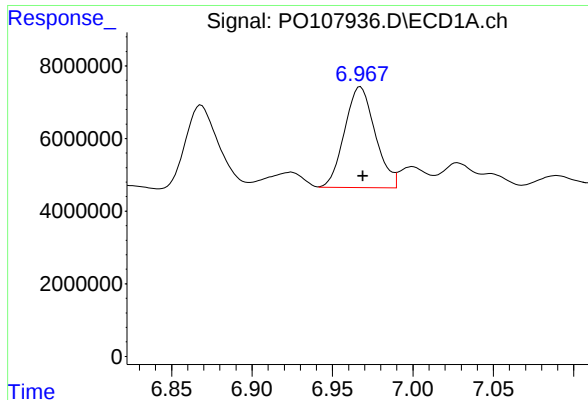
#27 AR-1254-2

R.T.: 6.602 min
Delta R.T.: -0.001 min
Response: 24508800
Conc: 58.82 ng/ml



#27 AR-1254-2

R.T.: 5.668 min
Delta R.T.: -0.002 min
Response: 7239383
Conc: 48.13 ng/ml



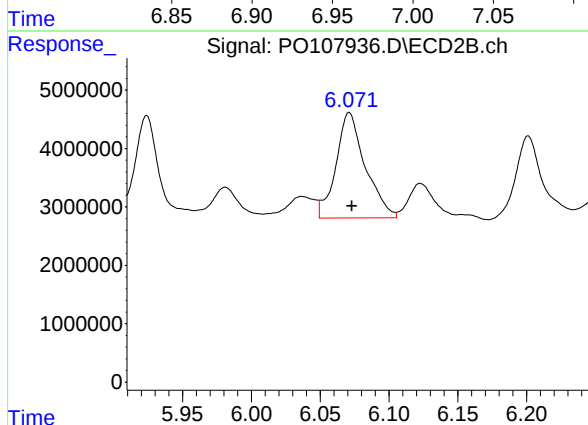
#28 AR-1254-3

R.T.: 6.967 min
Delta R.T.: -0.002 min
Response: 36764695
Conc: 94.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-4

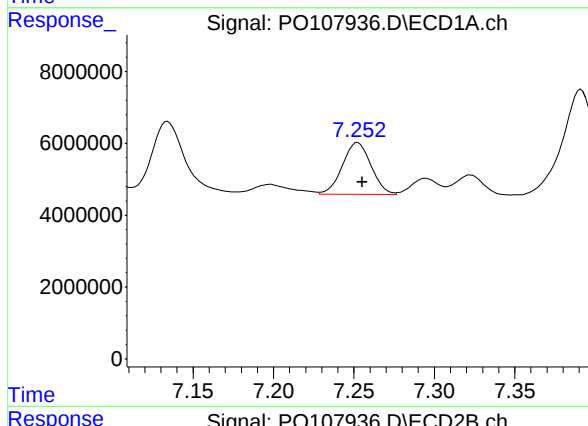
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



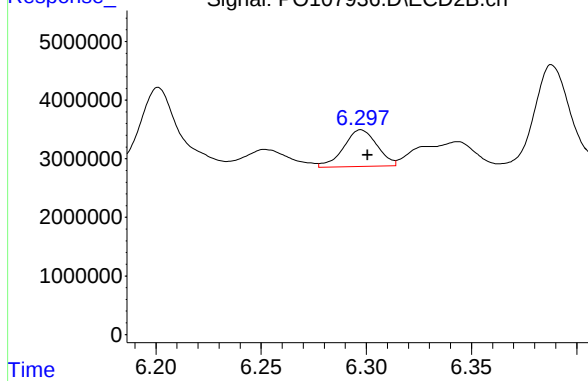
#28 AR-1254-3

R.T.: 6.071 min
Delta R.T.: -0.002 min
Response: 26632057
Conc: 107.55 ng/ml



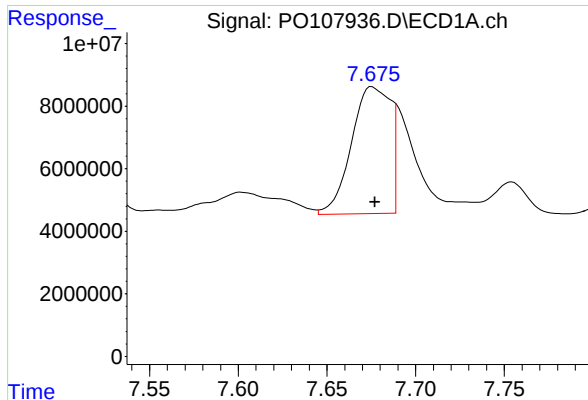
#29 AR-1254-4

R.T.: 7.252 min
Delta R.T.: -0.003 min
Response: 17799662
Conc: 63.14 ng/ml



#29 AR-1254-4

R.T.: 6.298 min
Delta R.T.: -0.003 min
Response: 6923633
Conc: 53.19 ng/ml



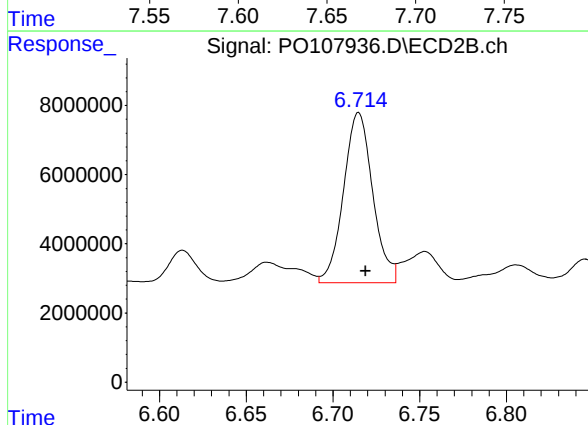
#30 AR-1254-5

R.T.: 7.675 min
Delta R.T.: -0.003 min
Response: 60193697
Conc: 225.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-4

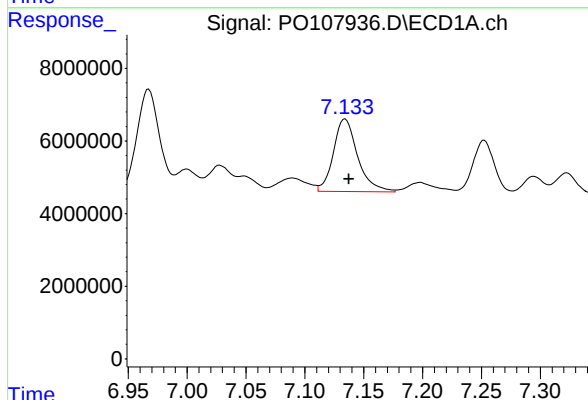
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



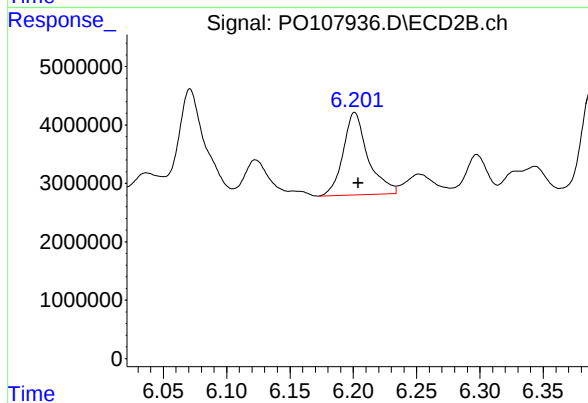
#30 AR-1254-5

R.T.: 6.715 min
Delta R.T.: -0.004 min
Response: 57807570
Conc: 274.06 ng/ml



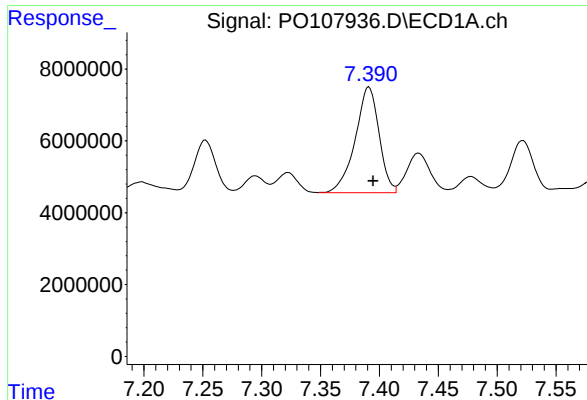
#31 AR-1260-1

R.T.: 7.134 min
Delta R.T.: -0.003 min
Response: 28611669
Conc: 99.62 ng/ml



#31 AR-1260-1

R.T.: 6.201 min
Delta R.T.: -0.003 min
Response: 19380113
Conc: 125.78 ng/ml



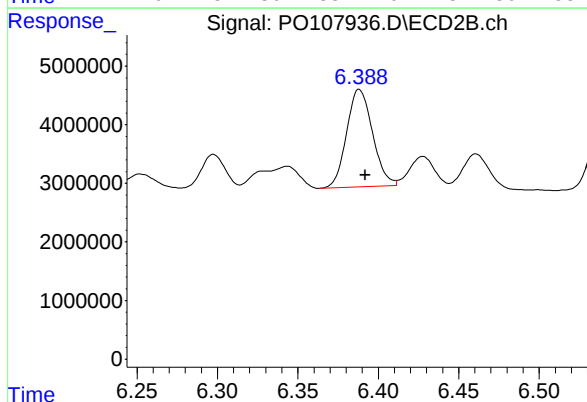
#32 AR-1260-2

R.T.: 7.391 min
Delta R.T.: -0.004 min
Response: 41457863
Conc: 140.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-4

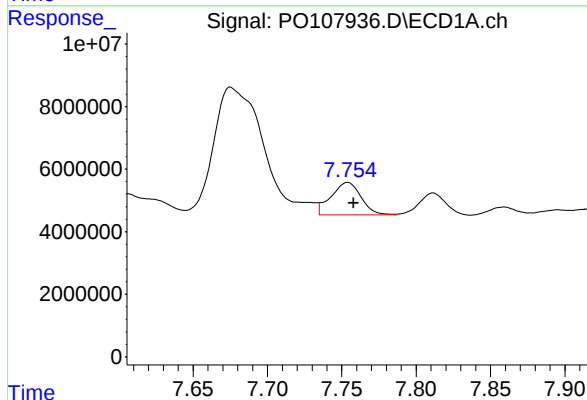
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



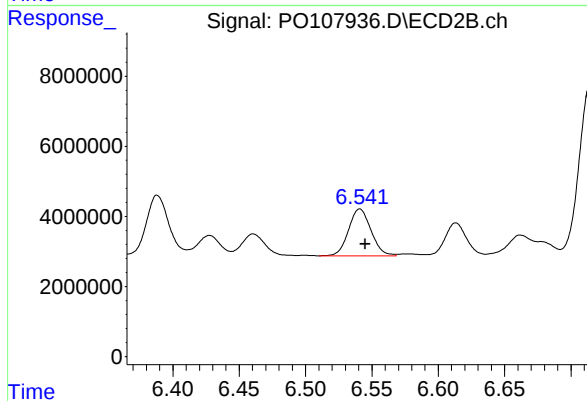
#32 AR-1260-2

R.T.: 6.388 min
Delta R.T.: -0.004 min
Response: 18626358
Conc: 99.25 ng/ml



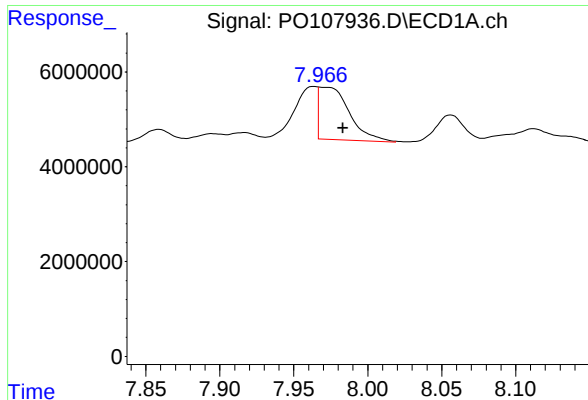
#33 AR-1260-3

R.T.: 7.754 min
Delta R.T.: -0.004 min
Response: 14657652
Conc: 63.76 ng/ml



#33 AR-1260-3

R.T.: 6.541 min
Delta R.T.: -0.004 min
Response: 15821916
Conc: 90.11 ng/ml



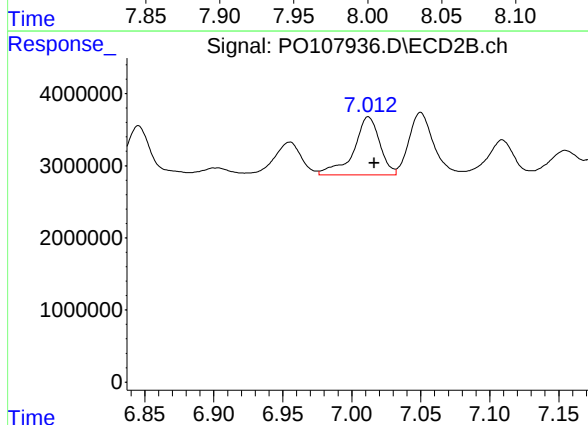
#34 AR-1260-4

R.T.: 7.966 min
Delta R.T.: -0.017 min
Response: 15505161
Conc: 65.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-4

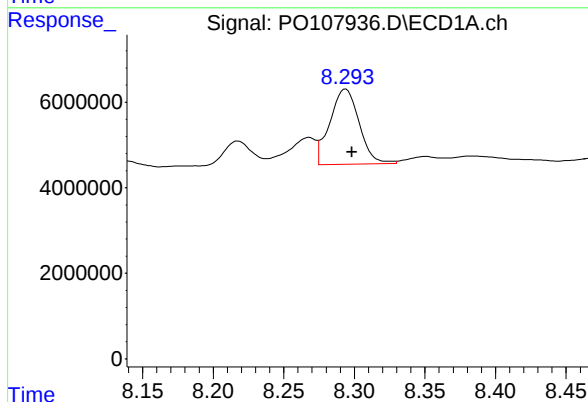
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



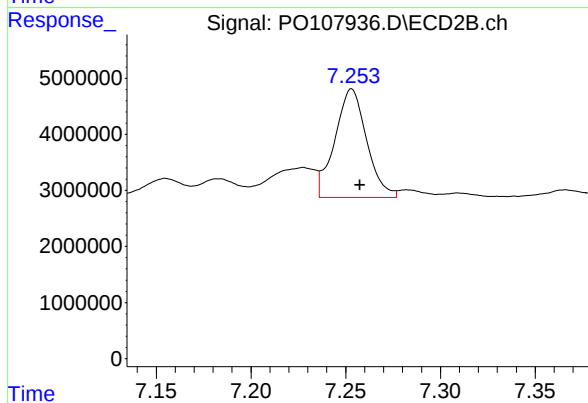
#34 AR-1260-4

R.T.: 7.012 min
Delta R.T.: -0.004 min
Response: 10567546
Conc: 70.53 ng/ml



#35 AR-1260-5

R.T.: 8.294 min
Delta R.T.: -0.004 min
Response: 25472126
Conc: 65.96 ng/ml



#35 AR-1260-5

R.T.: 7.253 min
Delta R.T.: -0.004 min
Response: 22574235
Conc: 62.00 ng/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-5	SDG No.:	P4822
Lab Sample ID:	P4822-10	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107937.D	1	11/13/24 08:40	11/13/24 16:56	PB164938

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.70	U	3.70	18.5	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.5	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.5	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.5	ug/kg
12672-29-6	Aroclor-1248	8.60	U	8.60	18.5	ug/kg
11097-69-1	Aroclor-1254	16.5	J	3.00	18.5	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.5	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.5	ug/kg
11096-82-5	Aroclor-1260	12.6	J	3.20	18.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		30 (32) - 150 (144)	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.0		30 (32) - 150 (175)	85%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
 Data File : PO107937.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 16:56
 Operator : YP/AJ
 Sample : P4822-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

SOIL-5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 23:42:05 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.372	3.639	167.8E6	66539864	18.692	19.812
2) SA Decachlor...	10.081	8.634	50486987	51375304	17.031	16.262
Target Compounds						
26) L6 AR-1254-1	6.381	5.521	10931313	5560853	38.689m	32.943
27) L6 AR-1254-2	6.600	5.667	14188491	4965864	34.051m	33.016
28) L6 AR-1254-3	6.966	6.071	14021087	10767961	35.919	43.484
29) L6 AR-1254-4	7.252	6.297	7474320	3146774	26.513	24.176
30) L6 AR-1254-5	7.674	6.714	24332484	19718412	91.037m	93.483
31) L7 AR-1260-1	7.134	6.200	11626634	8120077	40.480	52.702 #
32) L7 AR-1260-2	7.390	6.388	16225983	8077973	54.843	43.045
33) L7 AR-1260-3	7.753	6.541	6326130	5315477	27.519	30.274
34) L7 AR-1260-4	7.966	7.012	6137667	3112829	25.829m	20.774
35) L7 AR-1260-5	8.292	7.253	8875914	9854747	22.984	27.067

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
Data File : PO107937.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 16:56
Operator : YP/AJ
Sample : P4822-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

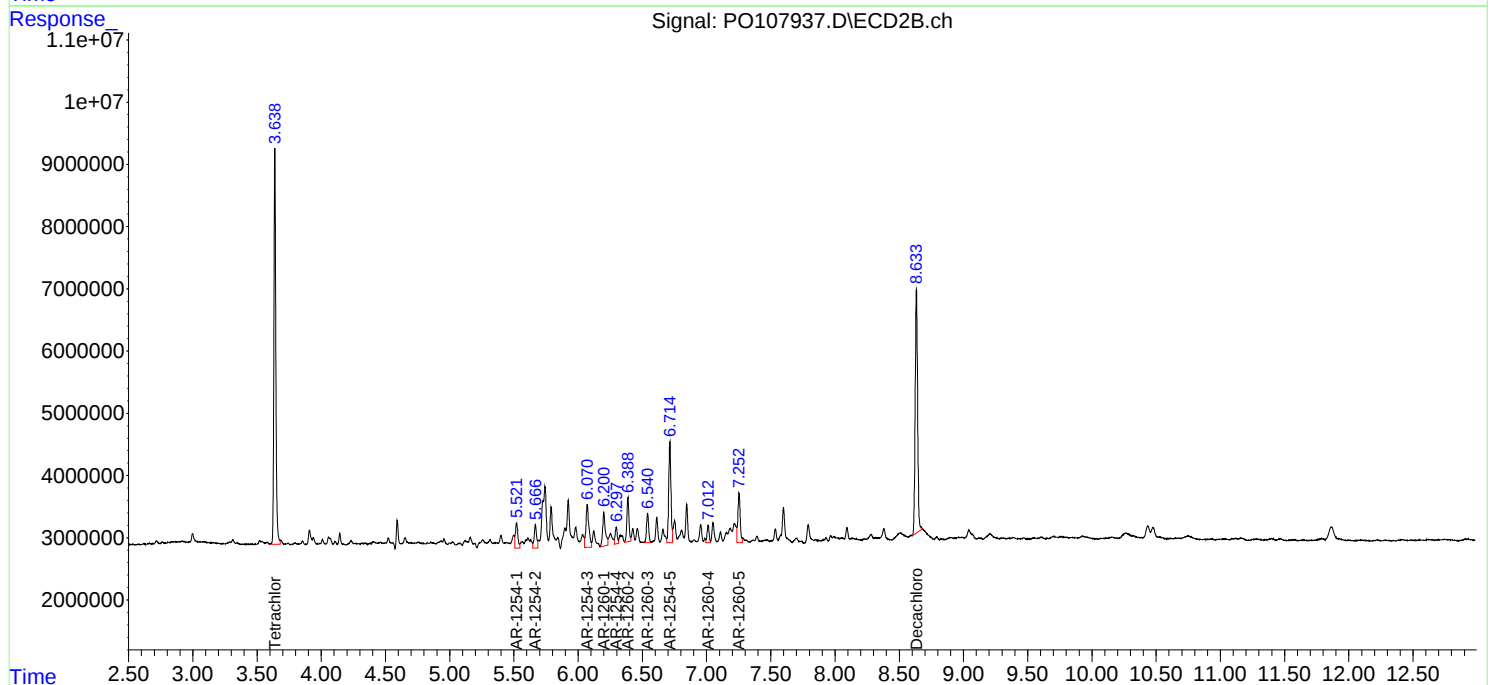
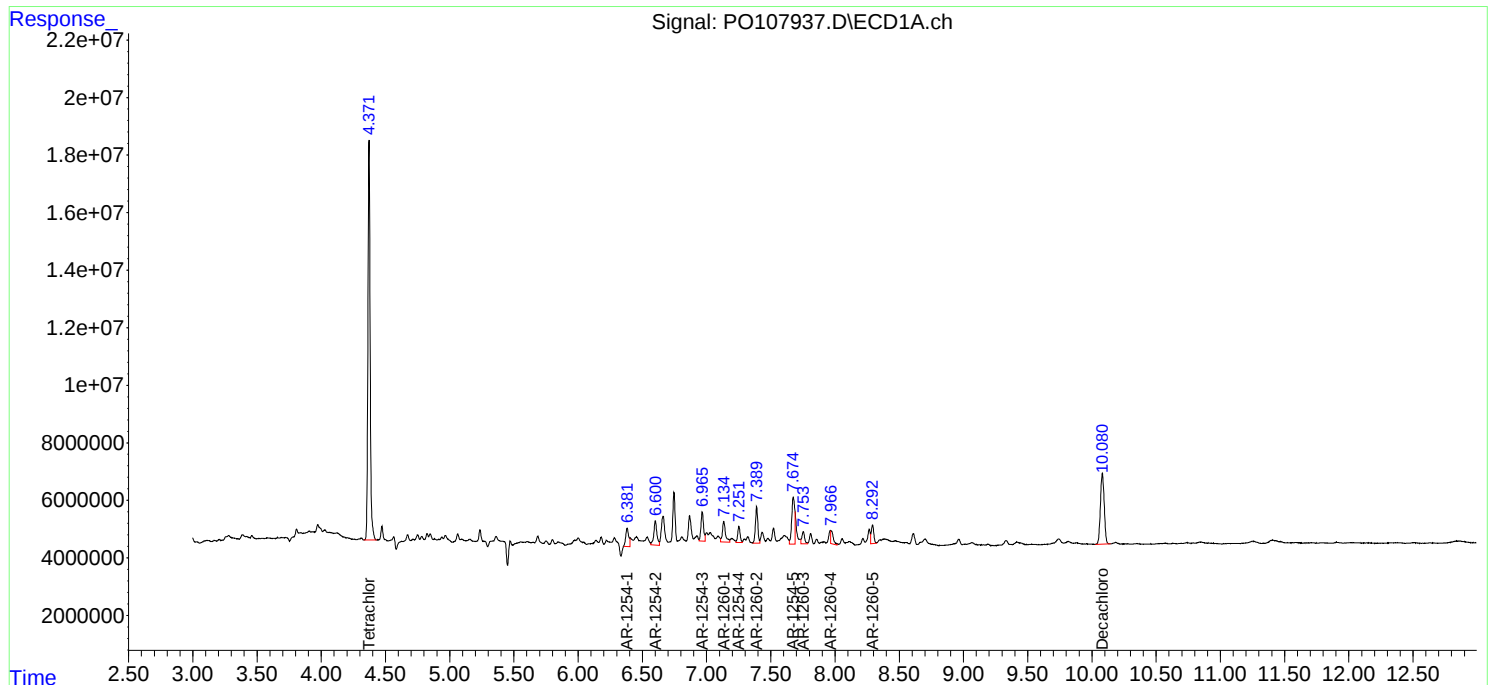
Instrument :
ECD_O
ClientSampleId :
SOIL-5

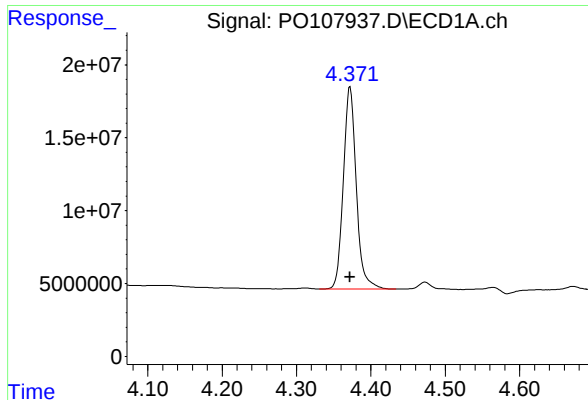
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 23:42:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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





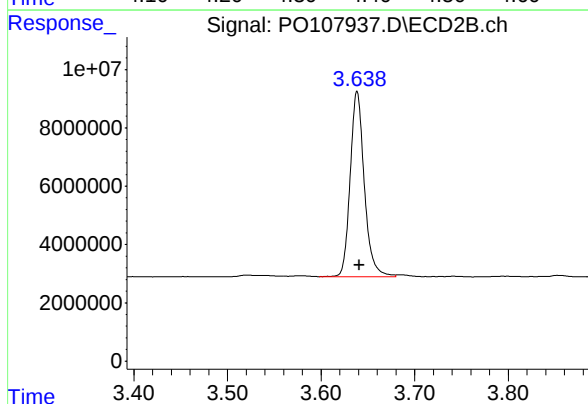
#1 Tetrachloro-m-xylene

R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 167784561
Conc: 18.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-5

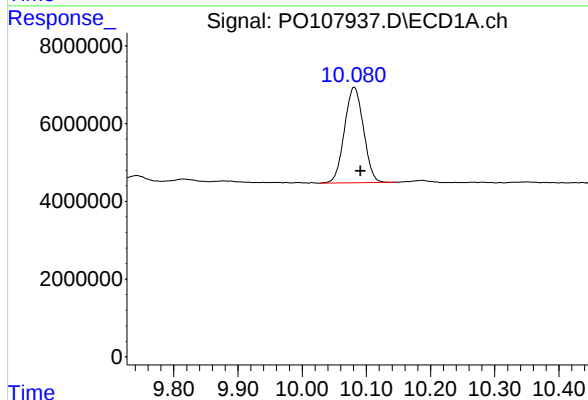
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



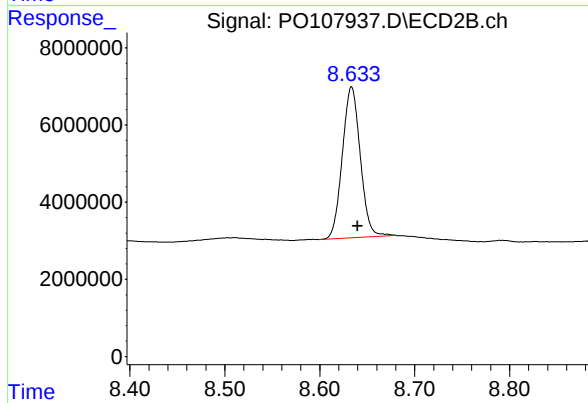
#1 Tetrachloro-m-xylene

R.T.: 3.639 min
Delta R.T.: -0.002 min
Response: 66539864
Conc: 19.81 ng/ml



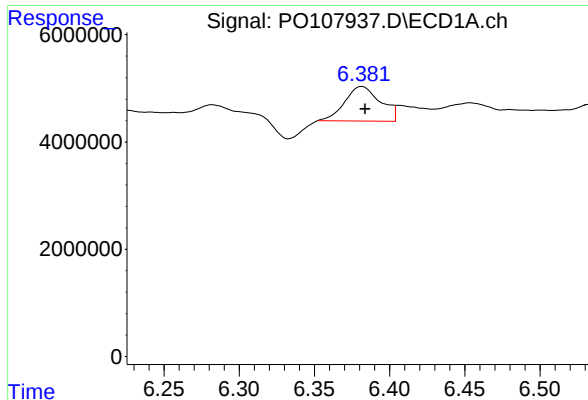
#2 Decachlorobiphenyl

R.T.: 10.081 min
Delta R.T.: -0.010 min
Response: 50486987
Conc: 17.03 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.006 min
Response: 51375304
Conc: 16.26 ng/ml



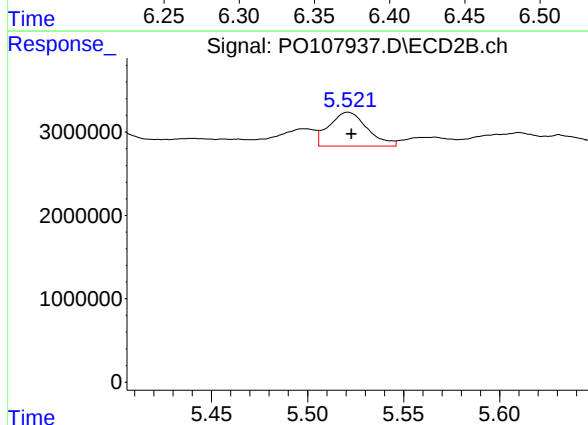
#26 AR-1254-1

R.T.: 6.381 min
Delta R.T.: -0.003 min
Response: 10931313
Conc: 38.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-5

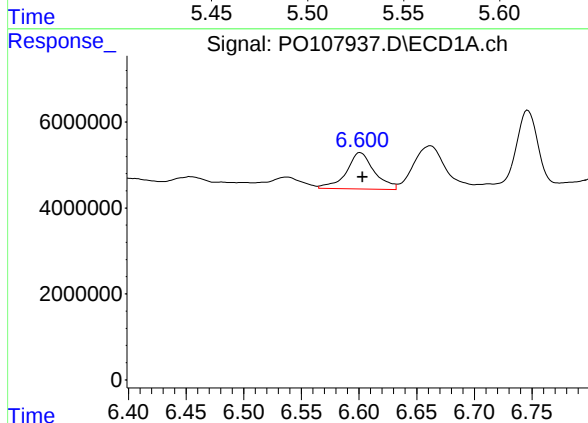
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



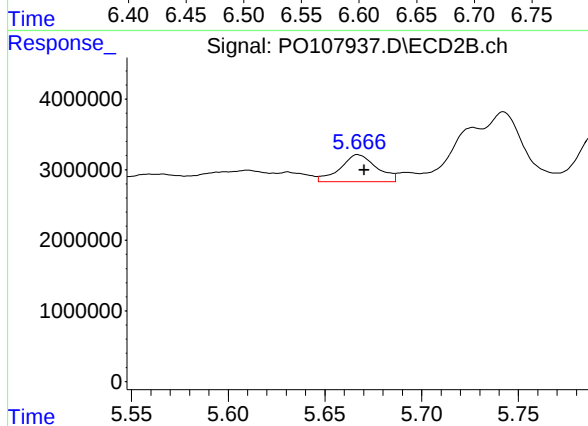
#26 AR-1254-1

R.T.: 5.521 min
Delta R.T.: -0.002 min
Response: 5560853
Conc: 32.94 ng/ml



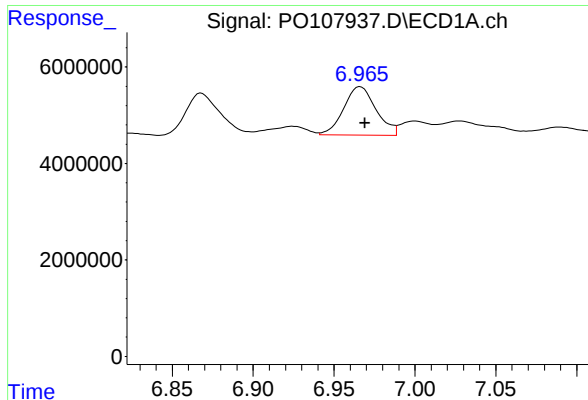
#27 AR-1254-2

R.T.: 6.600 min
Delta R.T.: -0.003 min
Response: 14188491
Conc: 34.05 ng/ml m



#27 AR-1254-2

R.T.: 5.667 min
Delta R.T.: -0.003 min
Response: 4965864
Conc: 33.02 ng/ml



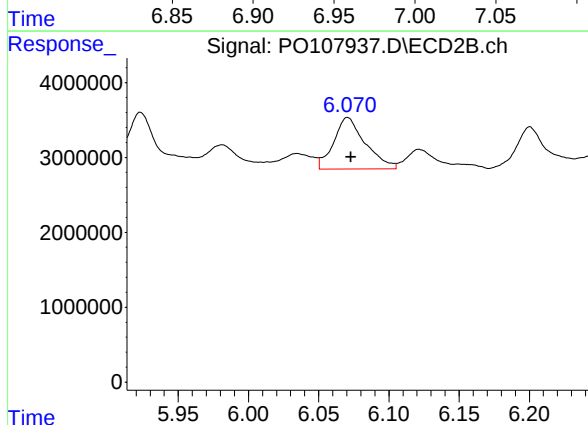
#28 AR-1254-3

R.T.: 6.966 min
Delta R.T.: -0.003 min
Response: 14021087
Conc: 35.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-5

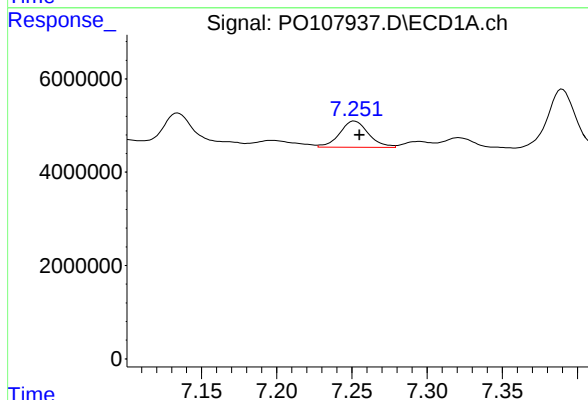
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



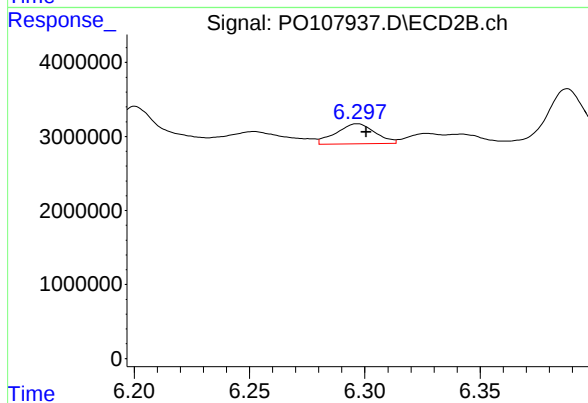
#28 AR-1254-3

R.T.: 6.071 min
Delta R.T.: -0.002 min
Response: 10767961
Conc: 43.48 ng/ml



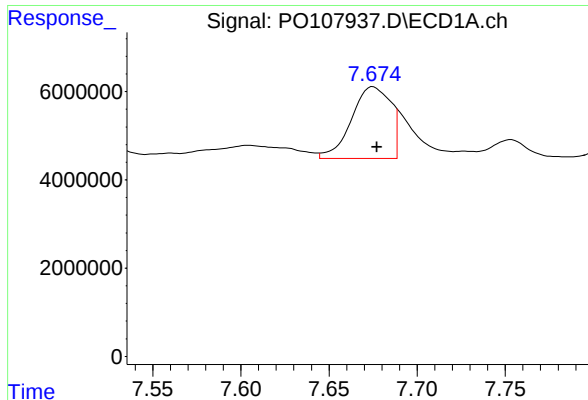
#29 AR-1254-4

R.T.: 7.252 min
Delta R.T.: -0.003 min
Response: 7474320
Conc: 26.51 ng/ml



#29 AR-1254-4

R.T.: 6.297 min
Delta R.T.: -0.004 min
Response: 3146774
Conc: 24.18 ng/ml



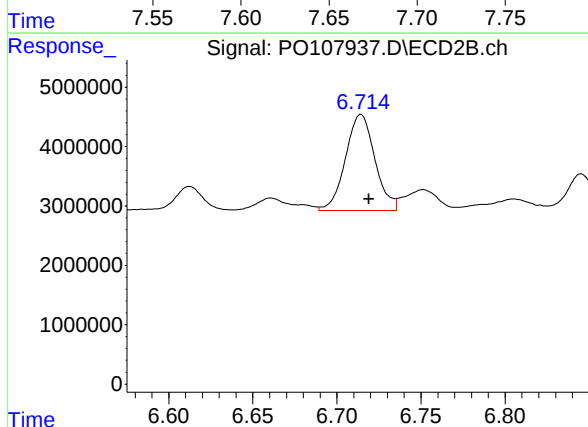
#30 AR-1254-5

R.T.: 7.674 min
Delta R.T.: -0.003 min
Response: 24332484
Conc: 91.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-5

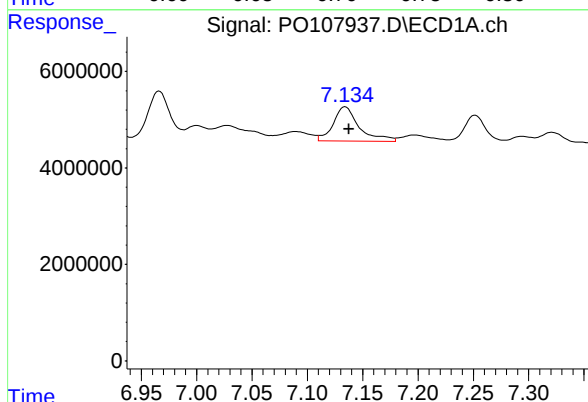
Manual Integrations
APPROVED

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Supervised By :Ankita Jodhani 11/14/2024



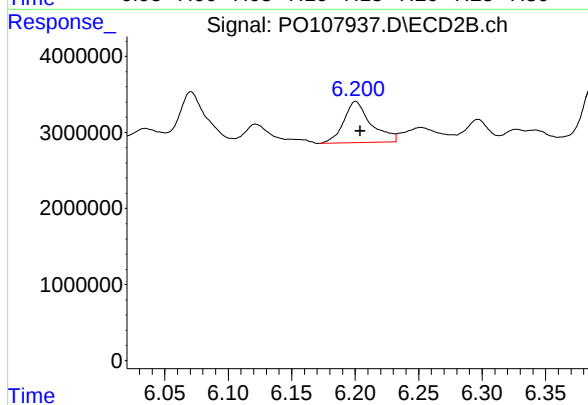
#30 AR-1254-5

R.T.: 6.714 min
Delta R.T.: -0.005 min
Response: 19718412
Conc: 93.48 ng/ml



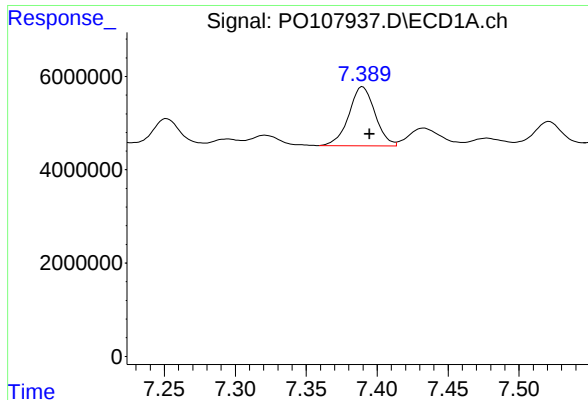
#31 AR-1260-1

R.T.: 7.134 min
Delta R.T.: -0.003 min
Response: 11626634
Conc: 40.48 ng/ml



#31 AR-1260-1

R.T.: 6.200 min
Delta R.T.: -0.004 min
Response: 8120077
Conc: 52.70 ng/ml



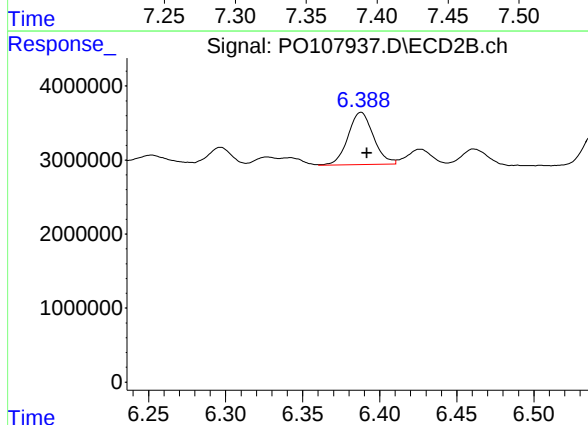
#32 AR-1260-2

R.T.: 7.390 min
Delta R.T.: -0.005 min
Response: 16225983
Conc: 54.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-5

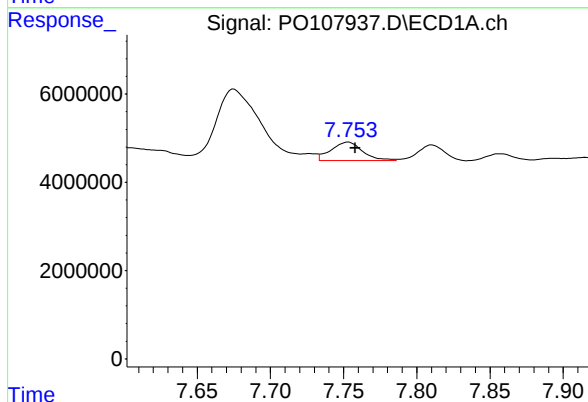
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



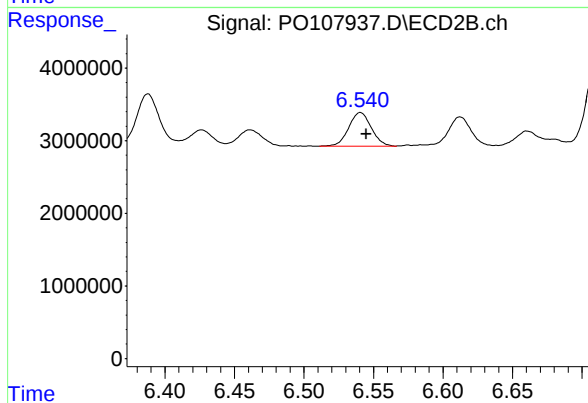
#32 AR-1260-2

R.T.: 6.388 min
Delta R.T.: -0.004 min
Response: 8077973
Conc: 43.04 ng/ml



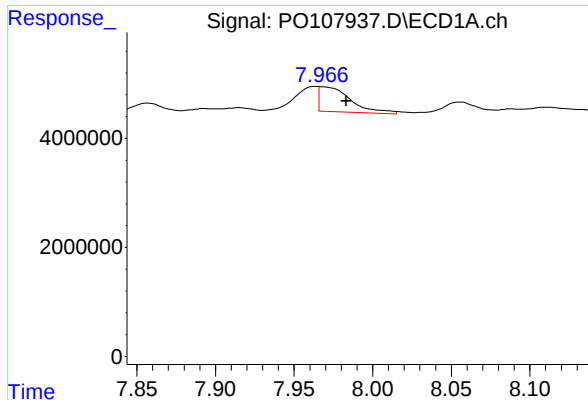
#33 AR-1260-3

R.T.: 7.753 min
Delta R.T.: -0.005 min
Response: 6326130
Conc: 27.52 ng/ml



#33 AR-1260-3

R.T.: 6.541 min
Delta R.T.: -0.004 min
Response: 5315477
Conc: 30.27 ng/ml



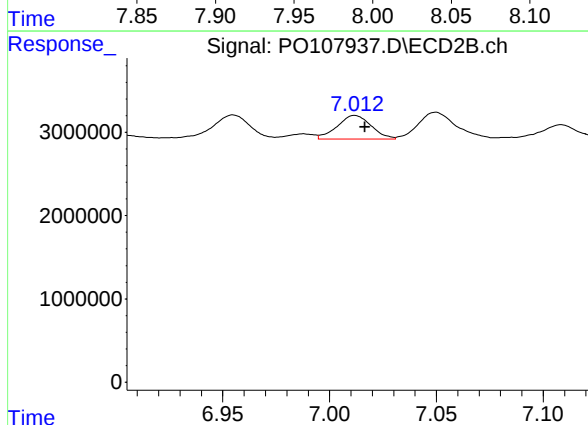
#34 AR-1260-4

R.T.: 7.966 min
Delta R.T.: -0.017 min
Response: 6137667
Conc: 25.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-5

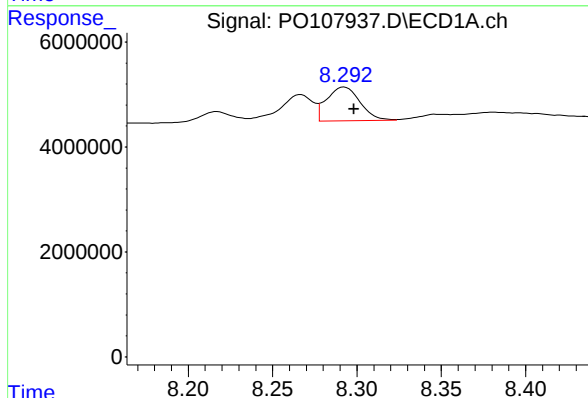
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



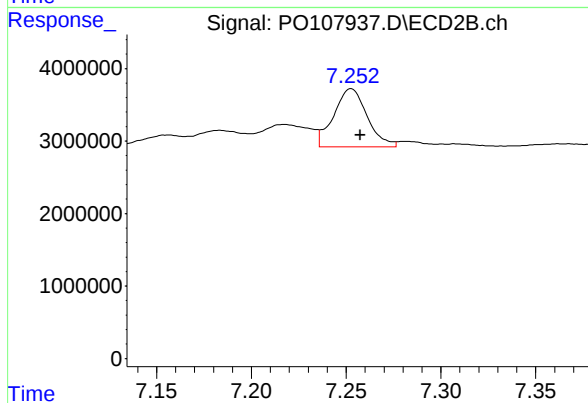
#34 AR-1260-4

R.T.: 7.012 min
Delta R.T.: -0.005 min
Response: 3112829
Conc: 20.77 ng/ml



#35 AR-1260-5

R.T.: 8.292 min
Delta R.T.: -0.006 min
Response: 8875914
Conc: 22.98 ng/ml



#35 AR-1260-5

R.T.: 7.253 min
Delta R.T.: -0.005 min
Response: 9854747
Conc: 27.07 ng/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-6	SDG No.:	P4822
Lab Sample ID:	P4822-12	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.3
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107938.D	1	11/13/24 08:40	11/13/24 17:13	PB164938

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.70	U	3.70	18.6	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.6	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.6	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.6	ug/kg
12672-29-6	Aroclor-1248	8.60	U	8.60	18.6	ug/kg
11097-69-1	Aroclor-1254	21.6		3.00	18.6	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.6	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.6	ug/kg
11096-82-5	Aroclor-1260	14.5	J	3.20	18.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.3		30 (32) - 150 (144)	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.2		30 (32) - 150 (175)	96%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
 Data File : PO107938.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 17:13
 Operator : YP/AJ
 Sample : P4822-12
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

SOIL-6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 23:42:42 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.371	3.639	192.2E6	75037507	21.407	22.342
2) SA Decachlor...	10.081	8.634	56912874	59567020	19.199	18.855
Target Compounds						
26) L6 AR-1254-1	6.385	5.525	23928631	8832562	84.691	52.325m#
27) L6 AR-1254-2	6.604	5.668	18044167	3465939	43.304	23.043m#
28) L6 AR-1254-3	6.967	6.070	16016791	10720181	41.031	43.291m
29) L6 AR-1254-4	7.252	6.296	6922645	1754217	24.556	13.477 #
30) L6 AR-1254-5	7.675	6.715	27557448	21386501	103.103m	101.391
31) L7 AR-1260-1	7.134	6.201	12822077	9827915	44.643	63.787 #
32) L7 AR-1260-2	7.390	6.388	20708610	7629844	69.993	40.657 #
33) L7 AR-1260-3	7.754	6.541	6536986	6163892	28.437	35.107
34) L7 AR-1260-4	7.966	7.011	6001754	4322278	25.257m	28.846
35) L7 AR-1260-5	8.293	7.253	9897852	11114412	25.631	30.527

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
Data File : PO107938.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 17:13
Operator : YP/AJ
Sample : P4822-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

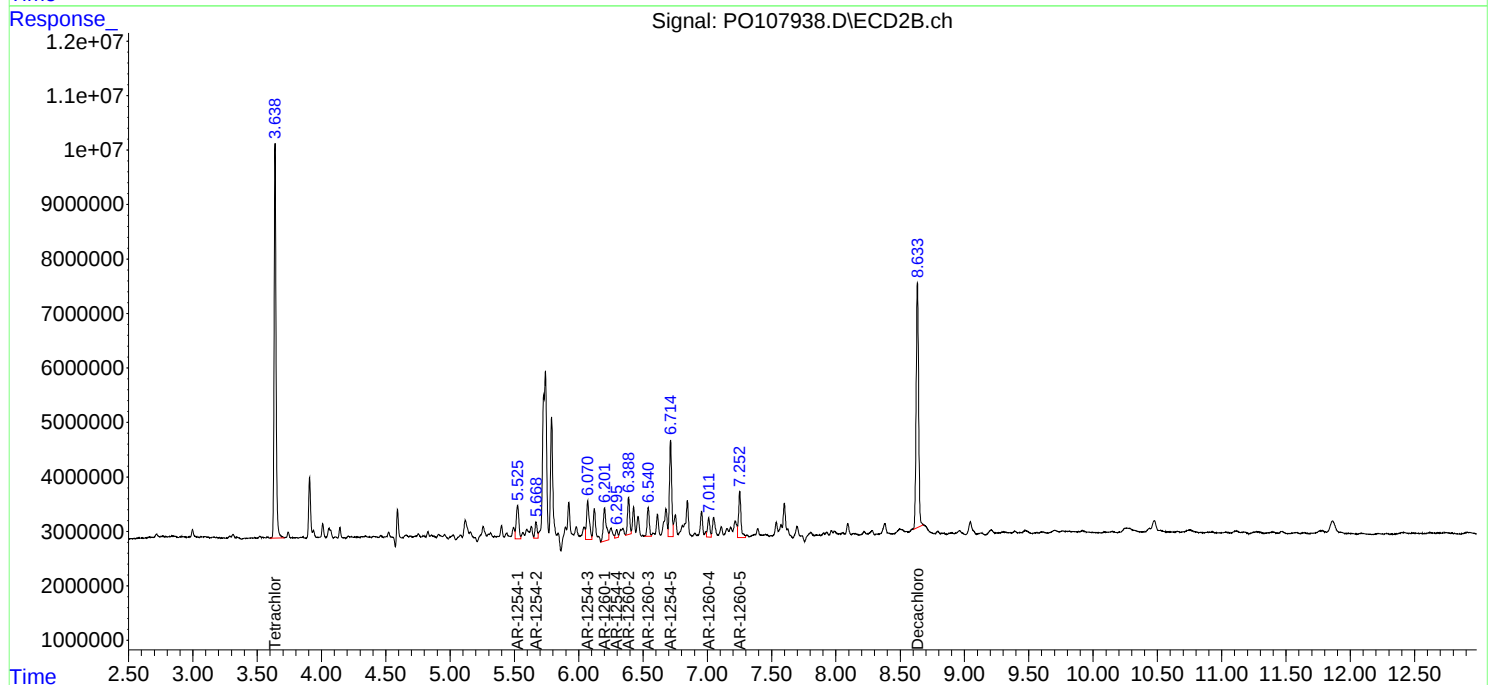
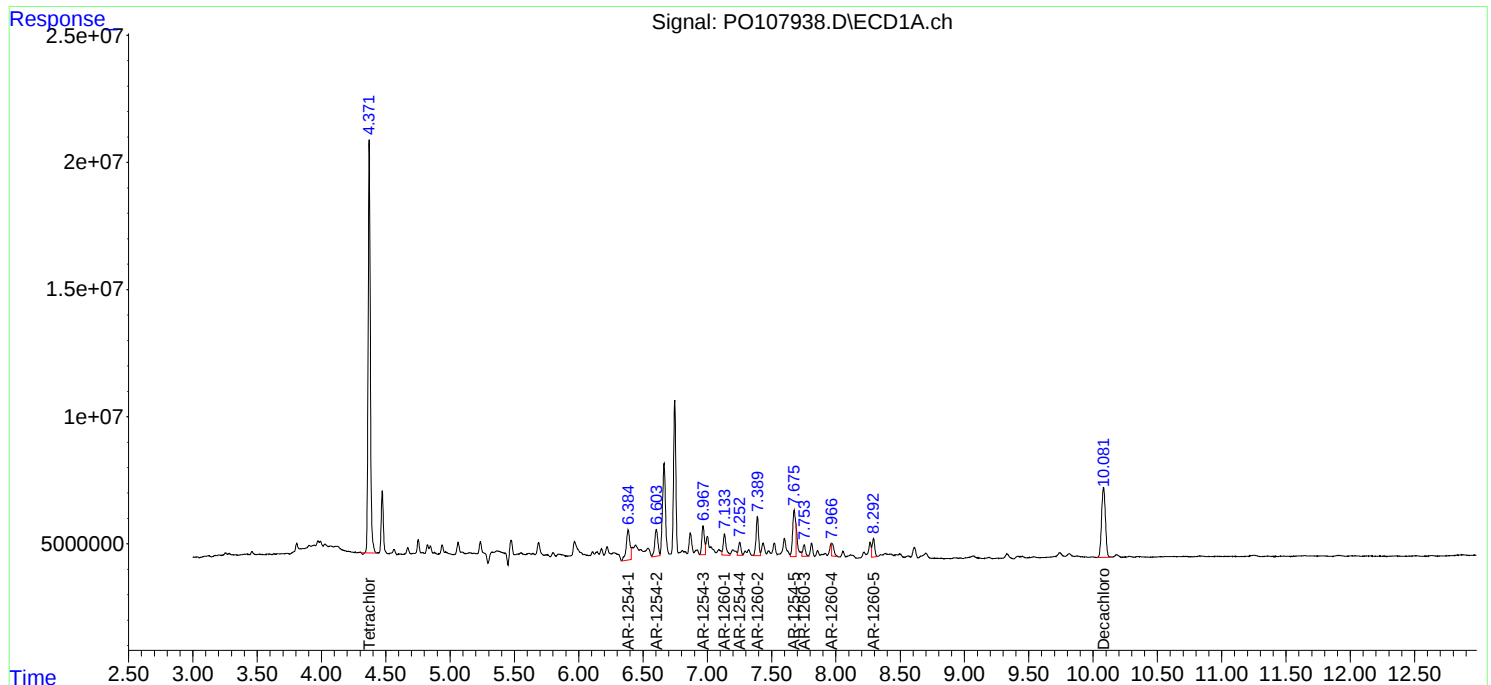
Instrument :
ECD_O
ClientSampleId :
SOIL-6

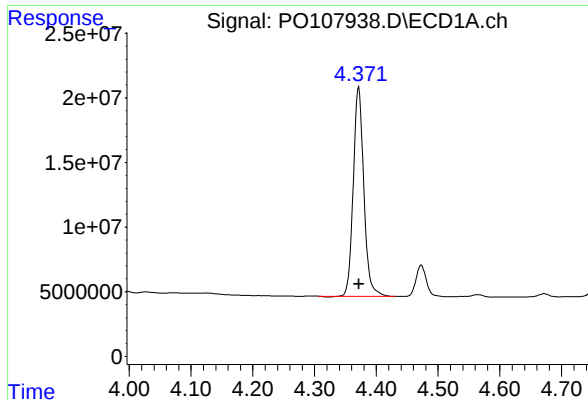
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 23:42:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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





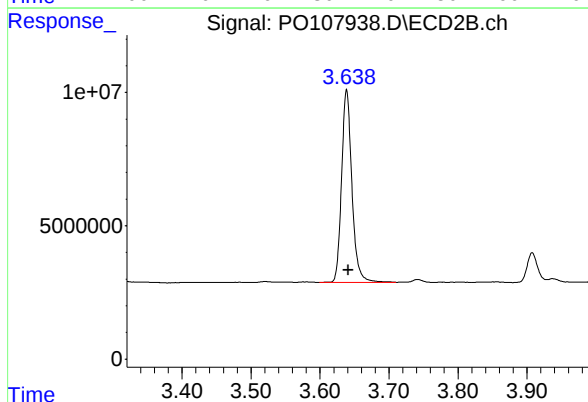
#1 Tetrachloro-m-xylene

R.T.: 4.371 min
Delta R.T.: 0.000 min
Response: 192157704
Conc: 21.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-6

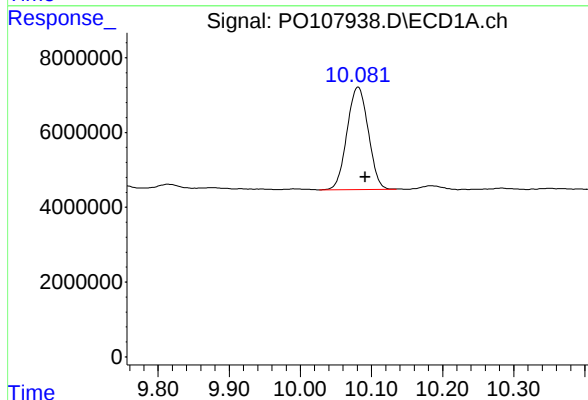
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



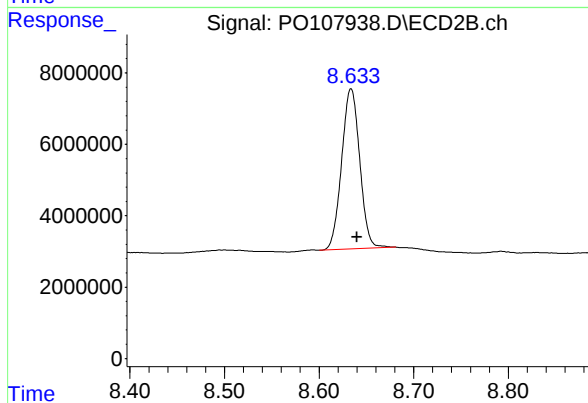
#1 Tetrachloro-m-xylene

R.T.: 3.639 min
Delta R.T.: -0.002 min
Response: 75037507
Conc: 22.34 ng/ml



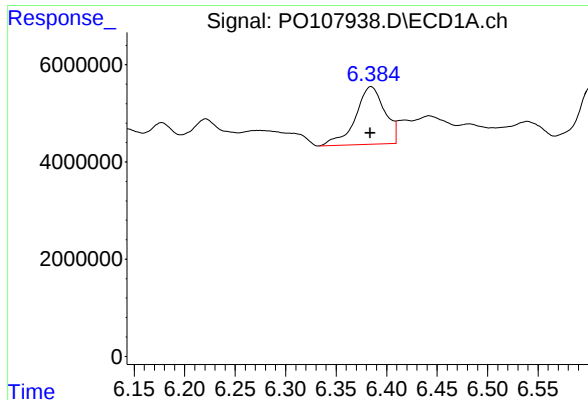
#2 Decachlorobiphenyl

R.T.: 10.081 min
Delta R.T.: -0.010 min
Response: 56912874
Conc: 19.20 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.006 min
Response: 59567020
Conc: 18.86 ng/ml



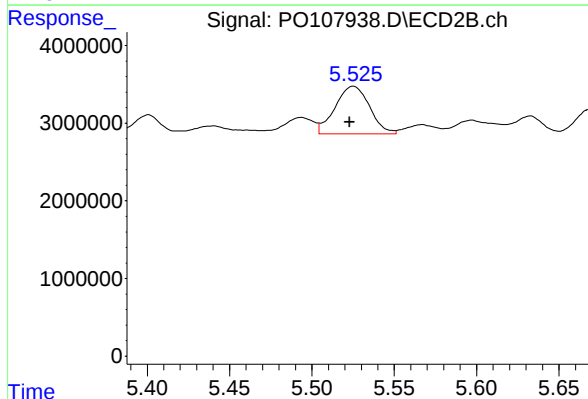
#26 AR-1254-1

R.T.: 6.385 min
Delta R.T.: 0.001 min
Response: 23928631
Conc: 84.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-6

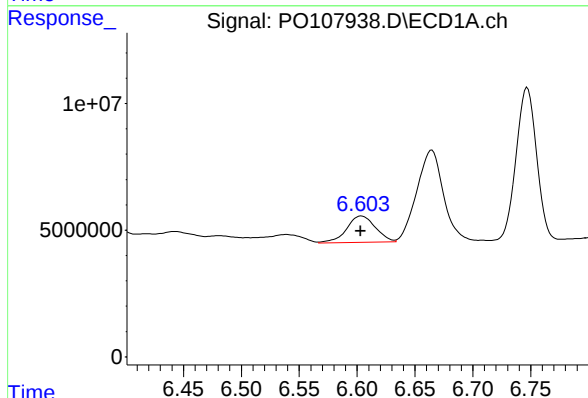
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



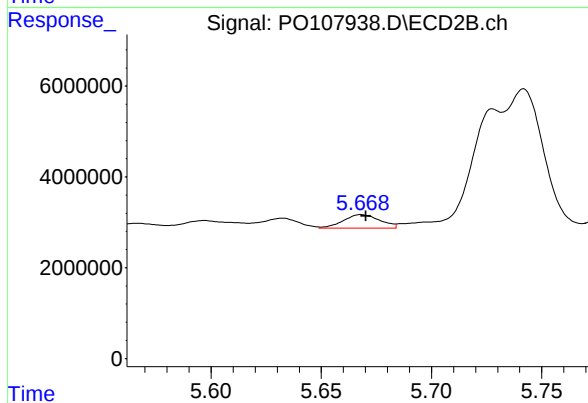
#26 AR-1254-1

R.T.: 5.525 min
Delta R.T.: 0.002 min
Response: 8832562
Conc: 52.32 ng/ml m



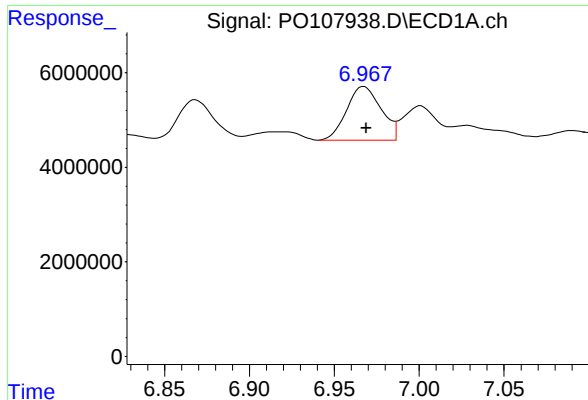
#27 AR-1254-2

R.T.: 6.604 min
Delta R.T.: 0.000 min
Response: 18044167
Conc: 43.30 ng/ml



#27 AR-1254-2

R.T.: 5.668 min
Delta R.T.: -0.003 min
Response: 3465939
Conc: 23.04 ng/ml m



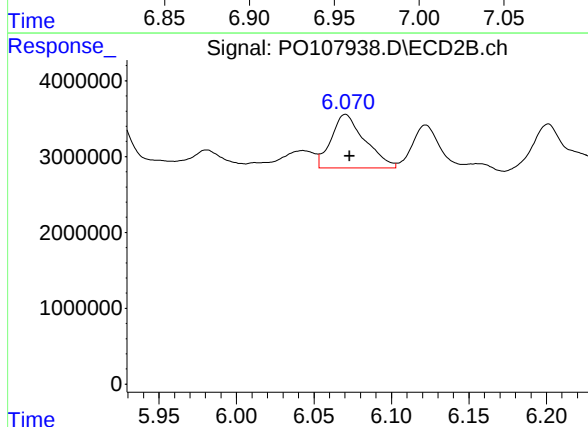
#28 AR-1254-3

R.T.: 6.967 min
Delta R.T.: -0.002 min
Response: 16016791
Conc: 41.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-6

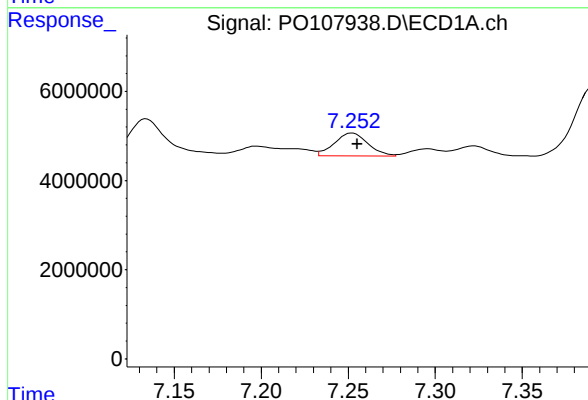
Manual Integrations
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Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



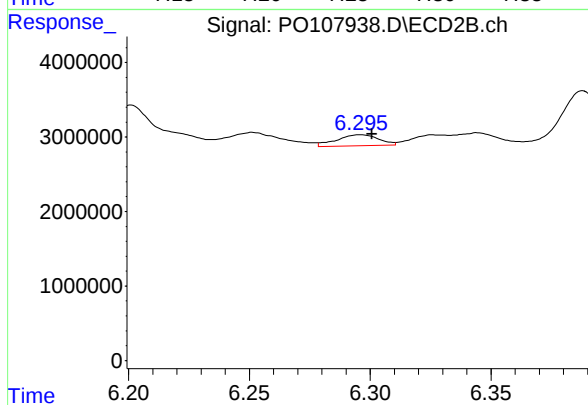
#28 AR-1254-3

R.T.: 6.070 min
Delta R.T.: -0.003 min
Response: 10720181
Conc: 43.29 ng/ml



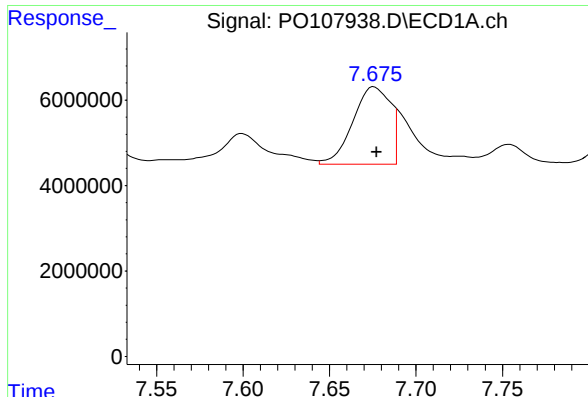
#29 AR-1254-4

R.T.: 7.252 min
Delta R.T.: -0.003 min
Response: 6922645
Conc: 24.56 ng/ml



#29 AR-1254-4

R.T.: 6.296 min
Delta R.T.: -0.005 min
Response: 1754217
Conc: 13.48 ng/ml



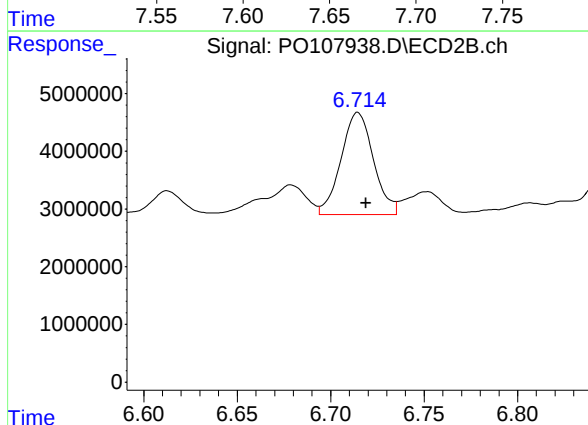
#30 AR-1254-5

R.T.: 7.675 min
Delta R.T.: -0.002 min
Response: 27557448
Conc: 103.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-6

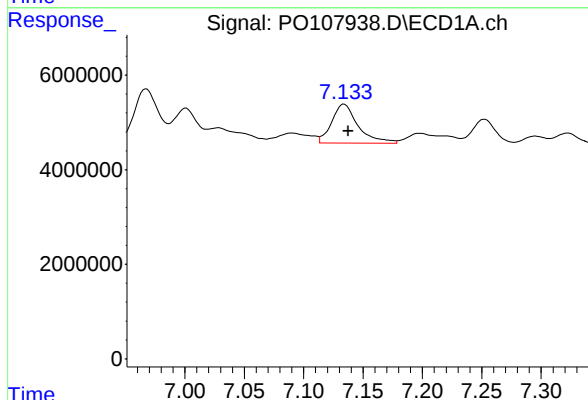
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



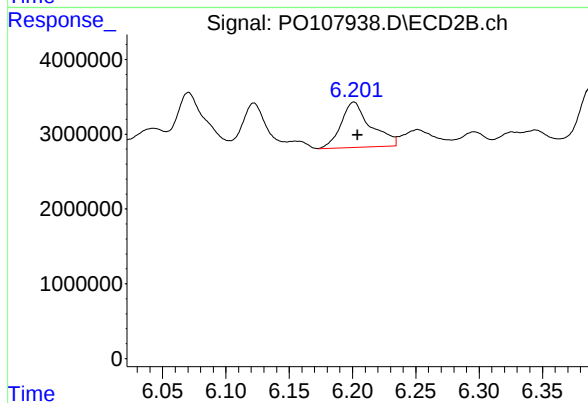
#30 AR-1254-5

R.T.: 6.715 min
Delta R.T.: -0.004 min
Response: 21386501
Conc: 101.39 ng/ml



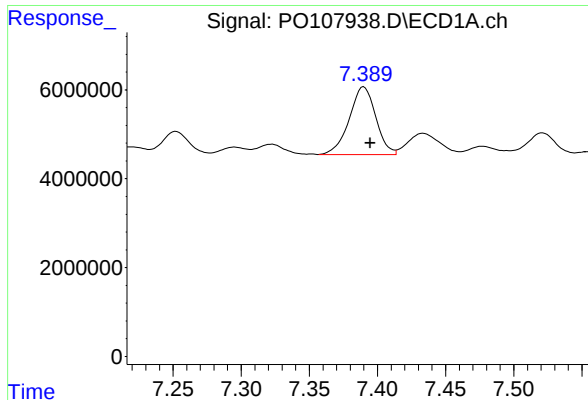
#31 AR-1260-1

R.T.: 7.134 min
Delta R.T.: -0.003 min
Response: 12822077
Conc: 44.64 ng/ml



#31 AR-1260-1

R.T.: 6.201 min
Delta R.T.: -0.003 min
Response: 9827915
Conc: 63.79 ng/ml



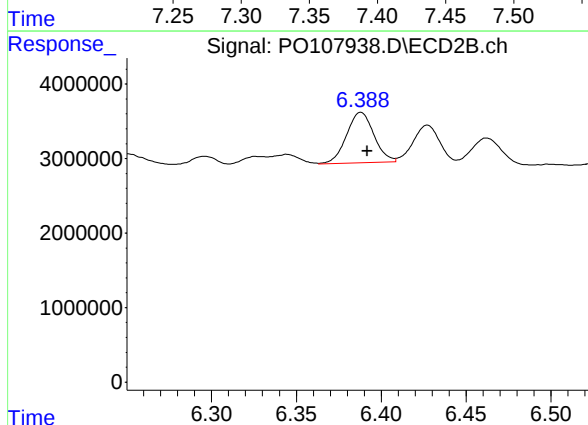
#32 AR-1260-2

R.T.: 7.390 min
Delta R.T.: -0.005 min
Response: 20708610
Conc: 69.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-6

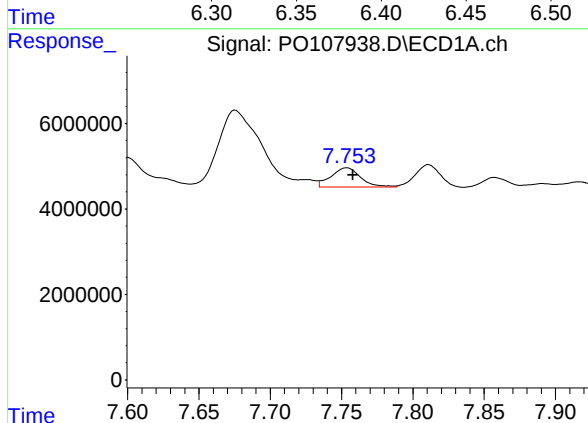
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



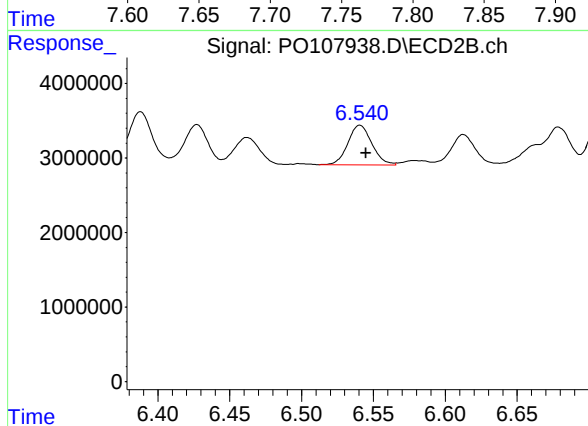
#32 AR-1260-2

R.T.: 6.388 min
Delta R.T.: -0.004 min
Response: 7629844
Conc: 40.66 ng/ml



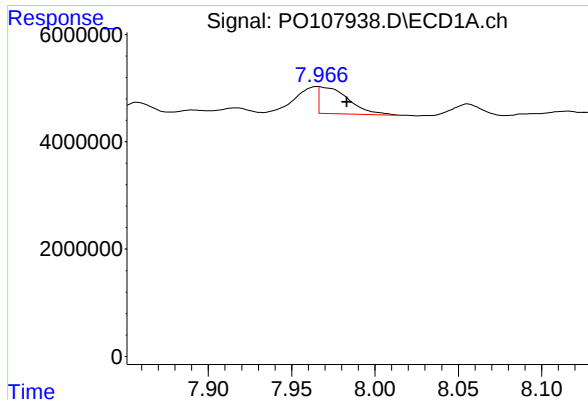
#33 AR-1260-3

R.T.: 7.754 min
Delta R.T.: -0.004 min
Response: 6536986
Conc: 28.44 ng/ml



#33 AR-1260-3

R.T.: 6.541 min
Delta R.T.: -0.004 min
Response: 6163892
Conc: 35.11 ng/ml



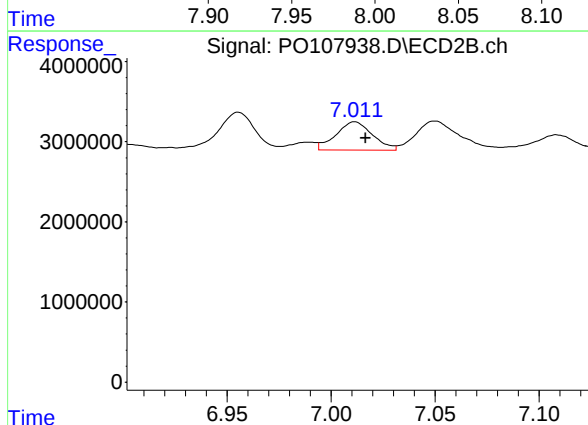
#34 AR-1260-4

R.T.: 7.966 min
Delta R.T.: -0.017 min
Response: 6001754
Conc: 25.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
SOIL-6

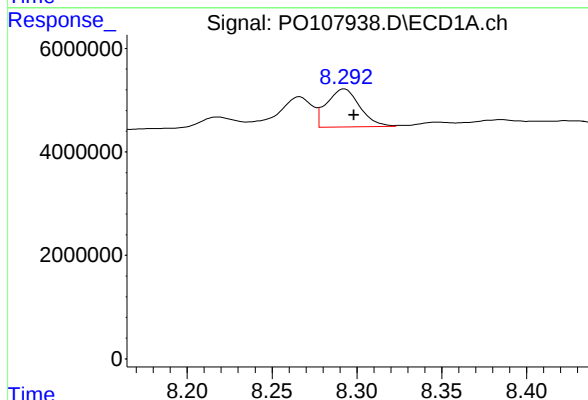
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



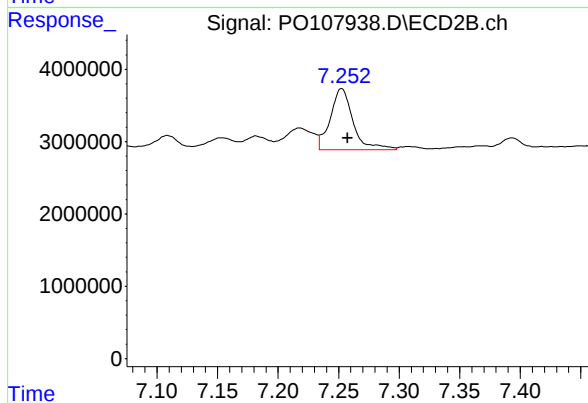
#34 AR-1260-4

R.T.: 7.011 min
Delta R.T.: -0.005 min
Response: 4322278
Conc: 28.85 ng/ml



#35 AR-1260-5

R.T.: 8.293 min
Delta R.T.: -0.006 min
Response: 9897852
Conc: 25.63 ng/ml



#35 AR-1260-5

R.T.: 7.253 min
Delta R.T.: -0.005 min
Response: 11114412
Conc: 30.53 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: BAPS03
Lab Code: CHEM **Case No.:** P4822 **SAS No.:** P4822 **SDG NO.:** P4822
Instrument ID: ECD_O **Calibration Date(s):** 11/11/2024 11/12/2024
Calibration Times: 17:30 00:52

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

LAB FILE ID:	RT 1000 = <u>PO107843.D</u>	RT 750 = <u>PO107844.D</u>
RT 500 = <u>PO107845.D</u>	RT 250 = <u>PO107846.D</u>	RT 050 = <u>PO107847.D</u>

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Aroclor-1016-2	(2)	5.55	5.55	5.55	5.55	5.55	5.55	5.45	5.65
Aroclor-1016-3	(3)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Aroclor-1016-4	(4)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1016-5	(5)	6.01	6.01	6.01	6.01	6.01	6.01	5.91	6.11
Aroclor-1260-1	(1)	7.14	7.14	7.14	7.14	7.14	7.14	7.04	7.24
Aroclor-1260-2	(2)	7.40	7.39	7.40	7.40	7.39	7.40	7.30	7.50
Aroclor-1260-3	(3)	7.76	7.76	7.76	7.76	7.76	7.76	7.66	7.86
Aroclor-1260-4	(4)	7.98	7.98	7.98	7.99	7.98	7.98	7.88	8.08
Aroclor-1260-5	(5)	8.30	8.30	8.30	8.30	8.30	8.30	8.20	8.40
Decachlorobiphenyl		10.09	10.09	10.09	10.09	10.09	10.09	9.99	10.19
Tetrachloro-m-xylene		4.37	4.37	4.37	4.38	4.37	4.37	4.27	4.47
Aroclor-1242-1	(1)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Aroclor-1242-2	(2)	5.55	5.55	5.55	5.55	5.55	5.55	5.45	5.65
Aroclor-1242-3	(3)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Aroclor-1242-4	(4)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1242-5	(5)	6.45	6.45	6.45	6.45	6.45	6.45	6.35	6.55
Decachlorobiphenyl		10.09	10.09	10.09	10.09	10.09	10.09	9.99	10.19
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1248-1	(1)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Aroclor-1248-2	(2)	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
Aroclor-1248-3	(3)	6.00	6.01	6.00	6.01	6.01	6.01	5.91	6.11
Aroclor-1248-4	(4)	6.41	6.41	6.41	6.41	6.41	6.41	6.31	6.51
Aroclor-1248-5	(5)	6.45	6.45	6.45	6.45	6.45	6.45	6.35	6.55
Decachlorobiphenyl		10.09	10.09	10.09	10.10	10.09	10.09	9.99	10.19
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1254-1	(1)	6.38	6.38	6.38	6.38	6.38	6.38	6.28	6.48
Aroclor-1254-2	(2)	6.60	6.60	6.60	6.60	6.60	6.60	6.50	6.70
Aroclor-1254-3	(3)	6.97	6.97	6.97	6.97	6.97	6.97	6.87	7.07
Aroclor-1254-4	(4)	7.26	7.26	7.26	7.26	7.25	7.26	7.16	7.36
Aroclor-1254-5	(5)	7.68	7.68	7.68	7.68	7.68	7.68	7.58	7.78
Decachlorobiphenyl		10.09	10.09	10.09	10.09	10.09	10.09	9.99	10.19
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1268-1	(1)	8.61	8.61	8.61	8.61	8.61	8.61	8.51	8.71
Aroclor-1268-2	(2)	8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Aroclor-1268-3	(3)	8.93	8.93	8.93	8.93	8.93	8.93	8.83	9.03
Aroclor-1268-4	(4)	9.34	9.34	9.34	9.34	9.34	9.34	9.24	9.44
Aroclor-1268-5	(5)	9.75	9.75	9.75	9.76	9.76	9.75	9.65	9.85

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Contract:	<u>BAPS03</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>P4822</u>	SAS No.:	<u>P4822</u>	SDG NO.:	<u>P4822</u>
Instrument ID:	<u>ECD_O</u>	Calibration Date(s):		<u>11/11/2024</u>	<u>11/12/2024</u>		
		Calibration Times:		<u>17:30</u>	<u>00:52</u>		

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

LAB FILE ID:	RT 1000 =	<u>PO107843.D</u>	RT 750 =	<u>PO107844.D</u>
	RT 500 =	PO107845.D	RT 250 =	PO107846.D
			RT 050 =	PO107847.D

[illegible]

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: BAPS03
Lab Code: CHEM **Case No.:** P4822 **SAS No.:** P4822 **SDG NO.:** P4822
Instrument ID: ECD_O
Calibration Date(s): 11/11/2024 11/12/2024
Calibration Times: 17:30 00:52
GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID:		CF 1000 = <u>PO107843.D</u>		CF 750 = <u>PO107844.D</u>			
CF 500 = <u>PO107845.D</u>		CF 250 = <u>PO107846.D</u>		CF 050 = <u>PO107847.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	249450284	251500055	272706740	281841940	283546700	6
Aroclor-1016-2	(2)	365067633	369492713	393058160	413976648	400371380	5
Aroclor-1016-3	(3)	226446109	230958573	247057758	266739776	271746080	8
Aroclor-1016-4	(4)	182912402	182821620	196055550	207991988	204739780	6
Aroclor-1016-5	(5)	172472641	173306747	187818408	196447284	196988920	6
Aroclor-1260-1	(1)	251636113	269917961	293714396	327154428	293660260	10
Aroclor-1260-2	(2)	272782466	282054728	307359158	338820664	278307060	9
Aroclor-1260-3	(3)	203027636	218339877	237558764	269020312	221451760	11
Aroclor-1260-4	(4)	211013651	223620344	244422578	275464836	233624660	10
Aroclor-1260-5	(5)	364786903	370758699	395043490	411222844	389060340	5
Decachlorobiphenyl		2715377860	2808040427	2996048460	3176334720	3126094800	7
Tetrachloro-m-xylene		8791565580	8805622280	9238680000	9311498040	8734335800	3
Aroclor-1242-1	(1)	210572342	220652991	230661440	244357960	263538360	9
Aroclor-1242-2	(2)	306690456	319237583	333108002	354661084	376688760	8
Aroclor-1242-3	(3)	191424237	199630751	210170052	226495056	255180940	12
Aroclor-1242-4	(4)	154150905	161131137	168395022	178645676	192123000	9
Aroclor-1242-5	(5)	147042808	158673273	169705990	168181816	190135000	10
Decachlorobiphenyl		2788789000	2959006027	3090231040	3291991720	3514734200	9
Tetrachloro-m-xylene		8915730880	9199324693	9415075000	9591314720	9590278600	3
Aroclor-1248-1	(1)	163587576	172458673	180721022	189042368	193236380	7
Aroclor-1248-2	(2)	231566839	241605057	255531778	269659592	246746860	6
Aroclor-1248-3	(3)	245166872	255053652	268587448	281011444	265651400	5
Aroclor-1248-4	(4)	261383281	272314612	284031158	298232996	289958400	5
Aroclor-1248-5	(5)	255012428	268733845	284161766	302053872	317406040	9
Decachlorobiphenyl		2856356260	2986803853	3199563360	3388573000	3386664800	8
Tetrachloro-m-xylene		9152839460	9365931587	9580119320	9507061520	9098982200	2
Aroclor-1254-1	(1)	251959356	266429087	287954030	311019784	295345380	8
Aroclor-1254-2	(2)	367157165	390010963	415463446	438771644	472015280	10
Aroclor-1254-3	(3)	360829641	384040307	402133766	423427352	381351780	6
Aroclor-1254-4	(4)	253071219	265926640	281654320	300576924	308314160	8
Aroclor-1254-5	(5)	249573551	262065268	278186872	296232272	250346780	7
Decachlorobiphenyl		2873145170	3014037947	3221002320	3427213480	3342655600	7
Tetrachloro-m-xylene		8950051430	9292675080	9655521940	9711940840	8823807400	4
Aroclor-1268-1	(1)	456553362	468508621	485631202	524538724	525563420	6



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	413086924	424184871	437724130	474537544	471921840	444291062	6
Aroclor-1268-3	(3)	335181234	343285995	356849454	386791880	370397860	358501285	6
Aroclor-1268-4	(4)	148556734	153416664	158546126	172231524	163327120	159215634	6
Aroclor-1268-5	(5)	979408677	993395437	1022910640	1084829780	1085335140	1033175935	5
Decachlorobiphenyl		4768415700	4917467800	5120766460	5585069760	5495308200	5177405584	7
Tetrachloro-m-xylene		8967711350	9039283107	9269184500	9600717240	9067582600	9188895759	3

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: BAPS03
Lab Code: CHEM **Case No.:** P4822 **SAS No.:** P4822 **SDG NO.:** P4822
Instrument ID: ECD_O **Calibration Date(s):** 11/11/2024 11/12/2024
Calibration Times: 17:30 00:52
GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 1000 = <u>PO107843.D</u>		CF 750 = <u>PO107844.D</u>			
CF 500 = <u>PO107845.D</u>		CF 250 = <u>PO107846.D</u>		CF 050 = <u>PO107847.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	102678408	103653352	108977184	109346788	105891360	106109418 3
Aroclor-1016-2	(2)	147416931	146733659	153577432	152701556	141681740	148422264 3
Aroclor-1016-3	(3)	77835126	77535253	81923132	82570836	79292660	79831401 3
Aroclor-1016-4	(4)	59175953	59280269	63304300	64944476	61948100	61730620 4
Aroclor-1016-5	(5)	80700504	80217421	84944368	85801768	85635980	83460008 3
Aroclor-1260-1	(1)	148689944	150104851	157896442	162860640	150817740	154073923 4
Aroclor-1260-2	(2)	180602481	182081320	191207448	191940892	192489020	187664232 3
Aroclor-1260-3	(3)	172322398	172561675	180334962	180335100	172328900	175576607 2
Aroclor-1260-4	(4)	147921827	148775227	154910862	155606120	141990640	149840935 4
Aroclor-1260-5	(5)	368964749	369638148	379259744	376676228	325895720	364086918 6
Decachlorobiphenyl		3094564170	3143558440	3267650680	3297794040	2992196000	3159152666 4
Tetrachloro-m-xylene		3439423410	3436357280	3541519460	3388750960	2987081200	3358626462 6
Aroclor-1242-1	(1)	85117587	88475525	90313296	93218808	94917420	90408527 4
Aroclor-1242-2	(2)	122142467	125079245	127669480	131234668	127347920	126694756 3
Aroclor-1242-3	(3)	64854342	66619487	68513782	71461608	69815300	68252904 4
Aroclor-1242-4	(4)	60584543	62714861	64900108	68653844	67552200	64881111 5
Aroclor-1242-5	(5)	78151528	79640448	82118126	85539804	86683040	82426589 4
Decachlorobiphenyl		3166168760	3265158867	3358924960	3388809600	3419709800	3319754397 3
Tetrachloro-m-xylene		3484022970	3548091813	3567298580	3550691040	3330777200	3496176321 3
Aroclor-1248-1	(1)	64512369	66590344	68821546	68848104	63614700	66477413 4
Aroclor-1248-2	(2)	87936190	90728275	94592694	96598108	87919180	91554889 4
Aroclor-1248-3	(3)	92896075	96076069	99628718	101585460	92481200	96533504 4
Aroclor-1248-4	(4)	113245825	116695791	120337298	122830260	108558820	116333599 5
Aroclor-1248-5	(5)	114854702	117083833	120906206	122231828	98303660	114676046 8
Decachlorobiphenyl		3286203680	3333012640	3455096000	3488892600	3200543200	3352749624 4
Tetrachloro-m-xylene		3535107680	3580083533	3623704440	3545164680	3089486200	3474709307 6
Aroclor-1254-1	(1)	157536638	168403012	175512572	176323248	166236000	168802294 5
Aroclor-1254-2	(2)	135094422	146218500	152884952	155714000	162132060	150408787 7
Aroclor-1254-3	(3)	230371284	246796608	256067490	255888688	249016880	247628190 4
Aroclor-1254-4	(4)	139716250	132581156	137276166	139486092	101736360	130159205 12
Aroclor-1254-5	(5)	205352751	217065221	225792166	226137076	180309080	210931259 9
Decachlorobiphenyl		3104123530	3332739147	3444270080	3513121560	3206452000	3320141263 5
Tetrachloro-m-xylene		3371935810	3544423360	3637072160	3544059240	3119469800	3443392074 6
Aroclor-1268-1	(1)	473485029	474017509	478189460	481685912	455084000	472492382 2



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	445242172	443850077	446813350	448108412	401708700	437144542	5
Aroclor-1268-3	(3)	373746384	371764761	374961712	375790288	331731180	365598865	5
Aroclor-1268-4	(4)	153703690	153642861	156624228	159918144	149857660	154749317	2
Aroclor-1268-5	(5)	1263758995	1253656987	1256538552	1247453600	1103810380	1225043703	6
Decachlorobiphenyl		5657392960	5663608760	5735015760	5847199960	5335410800	5647725648	3
Tetrachloro-m-xylene		3464284300	3465080293	3484660040	3461755320	3107490600	3396654111	5



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

Instrument ID: ECD_O Date(s) Analyzed: 11/11/2024 11/12/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.57	4.47	4.67	116101000
		2	4.66	4.56	4.76	83399600
		3	4.73	4.63	4.83	243018000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.73	4.63	4.83	194764000
		2	5.26	5.16	5.36	100076000
		3	5.55	5.45	5.65	177646000
		4	5.71	5.61	5.81	88682400
		5	5.80	5.70	5.90	68865000
Aroclor-1262	500	1	7.76	7.66	7.86	333994000
		2	8.30	8.20	8.40	451986000
		3	8.61	8.51	8.71	290346000
		4	8.70	8.60	8.80	225610000
		5	9.34	9.24	9.44	145691000



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

Instrument ID: ECD_O Date(s) Analyzed: 11/11/2024 11/12/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.85	3.75	3.95	38039600
		2	3.94	3.84	4.04	29776000
		3	4.01	3.91	4.11	89836600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.01	3.91	4.11	70757600
		2	4.74	4.64	4.84	67031000
		3	4.92	4.82	5.02	35582000
		4	5.00	4.90	5.10	30740400
		5	5.17	5.07	5.27	34020600
Aroclor-1262	500	1	6.76	6.66	6.86	222148000
		2	7.26	7.16	7.36	413178000
		3	7.54	7.44	7.64	161112000
		4	7.60	7.50	7.70	307208000
		5	8.10	8.00	8.20	142225000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107843.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 17:30
 Operator : YP/AJ
 Sample : AR1660ICC1000
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 22:19:35 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 22:17:12 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.642	879.2E6	343.9E6	95.160	97.117
2) SA Decachlor...	10.093	8.639	271.5E6	309.5E6	90.632	94.703
Target Compounds						
3) L1 AR-1016-1	5.527	4.723	249.5E6	102.7E6	914.720	942.201
4) L1 AR-1016-2	5.549	4.742	365.1E6	147.4E6	928.788	959.887
5) L1 AR-1016-3	5.611	4.918	226.4E6	77835126	916.572	950.099
6) L1 AR-1016-4	5.709	4.959	182.9E6	59175953	932.962	934.786
7) L1 AR-1016-5	6.005	5.173	172.5E6	80700504	918.295	950.039
31) L7 AR-1260-1	7.137	6.204	251.6E6	148.7E6	856.737	941.693
32) L7 AR-1260-2	7.395	6.391	272.8E6	180.6E6	887.504	944.537
33) L7 AR-1260-3	7.759	6.545	203.0E6	172.3E6	854.642	955.568
34) L7 AR-1260-4	7.984	7.016	211.0E6	147.9E6	863.315	954.884
35) L7 AR-1260-5	8.299	7.258	364.8E6	369.0E6	923.409	972.855

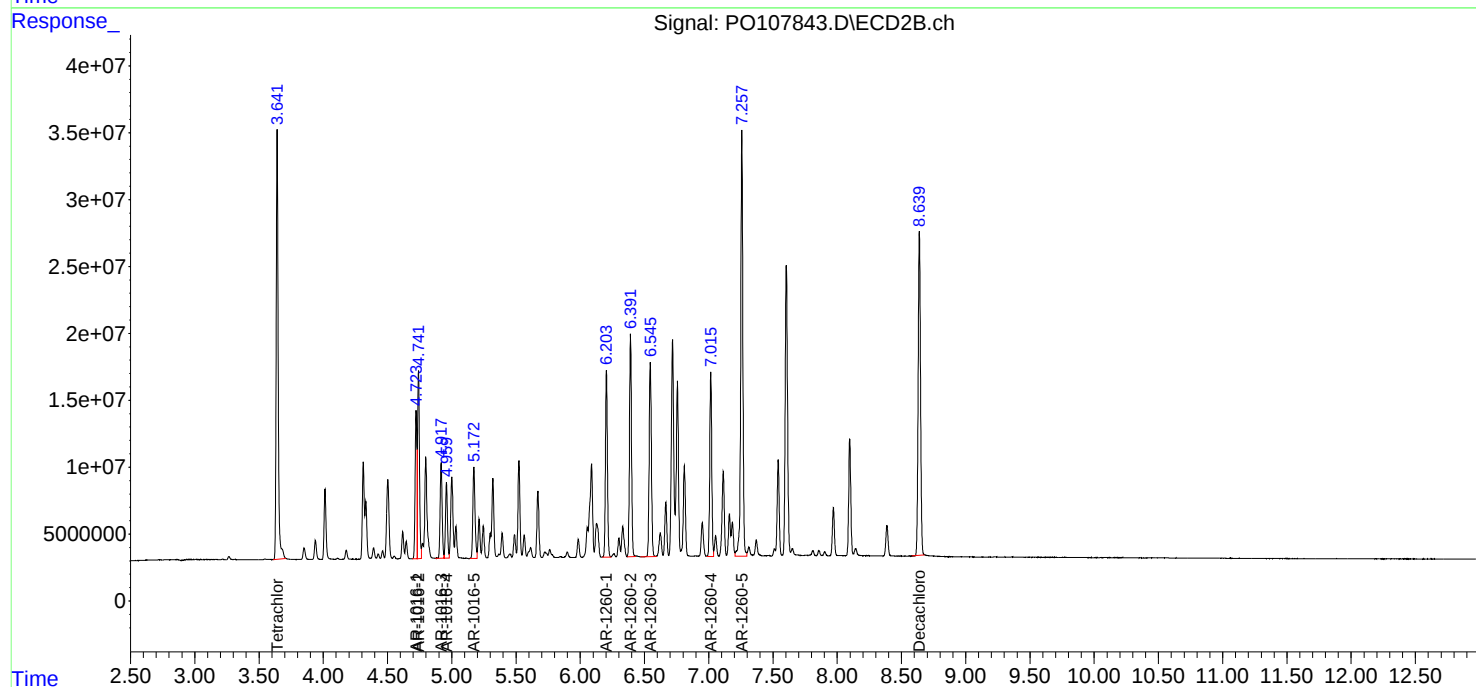
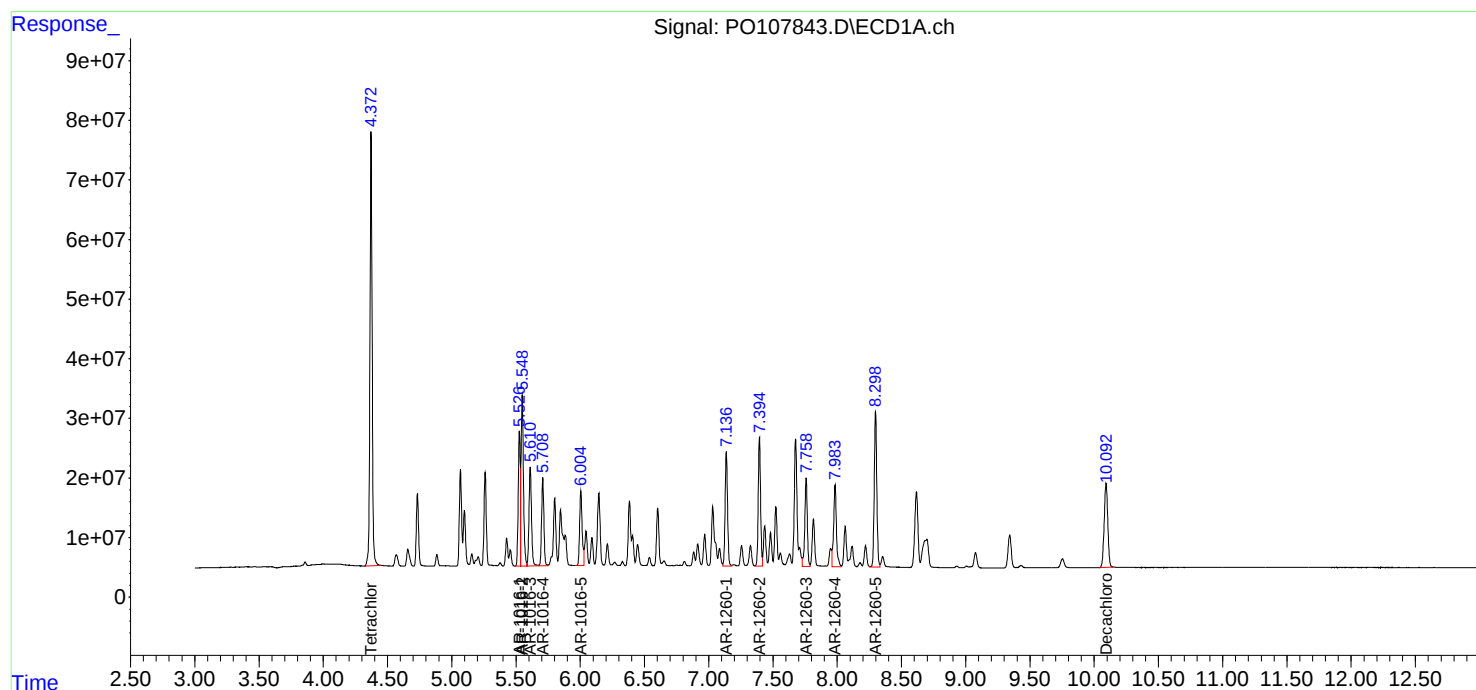
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107843.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 17:30
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 22:19:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 22:17:12 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107844.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 17:46
 Operator : YP/AJ
 Sample : AR1660ICC750
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 22:20:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 22:17:12 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.641	660.4E6	257.7E6	71.484	72.773
2) SA Decachlor...	10.091	8.640	210.6E6	235.8E6	70.294	72.152
Target Compounds						
3) L1 AR-1016-1	5.526	4.723	188.6E6	77740014	691.677	713.360
4) L1 AR-1016-2	5.549	4.742	277.1E6	110.1E6	705.034	716.578
5) L1 AR-1016-3	5.612	4.918	173.2E6	58151440	701.127	709.829
6) L1 AR-1016-4	5.709	4.960	137.1E6	44460202	699.374	702.325
7) L1 AR-1016-5	6.005	5.173	130.0E6	60163066	692.052	708.264
31) L7 AR-1260-1	7.137	6.204	202.4E6	112.6E6	689.236	712.990
32) L7 AR-1260-2	7.394	6.392	211.5E6	136.6E6	688.254	714.203
33) L7 AR-1260-3	7.758	6.545	163.8E6	129.4E6	689.324	717.671
34) L7 AR-1260-4	7.983	7.017	167.7E6	111.6E6	686.169	720.294
35) L7 AR-1260-5	8.298	7.258	278.1E6	277.2E6	703.895	730.973

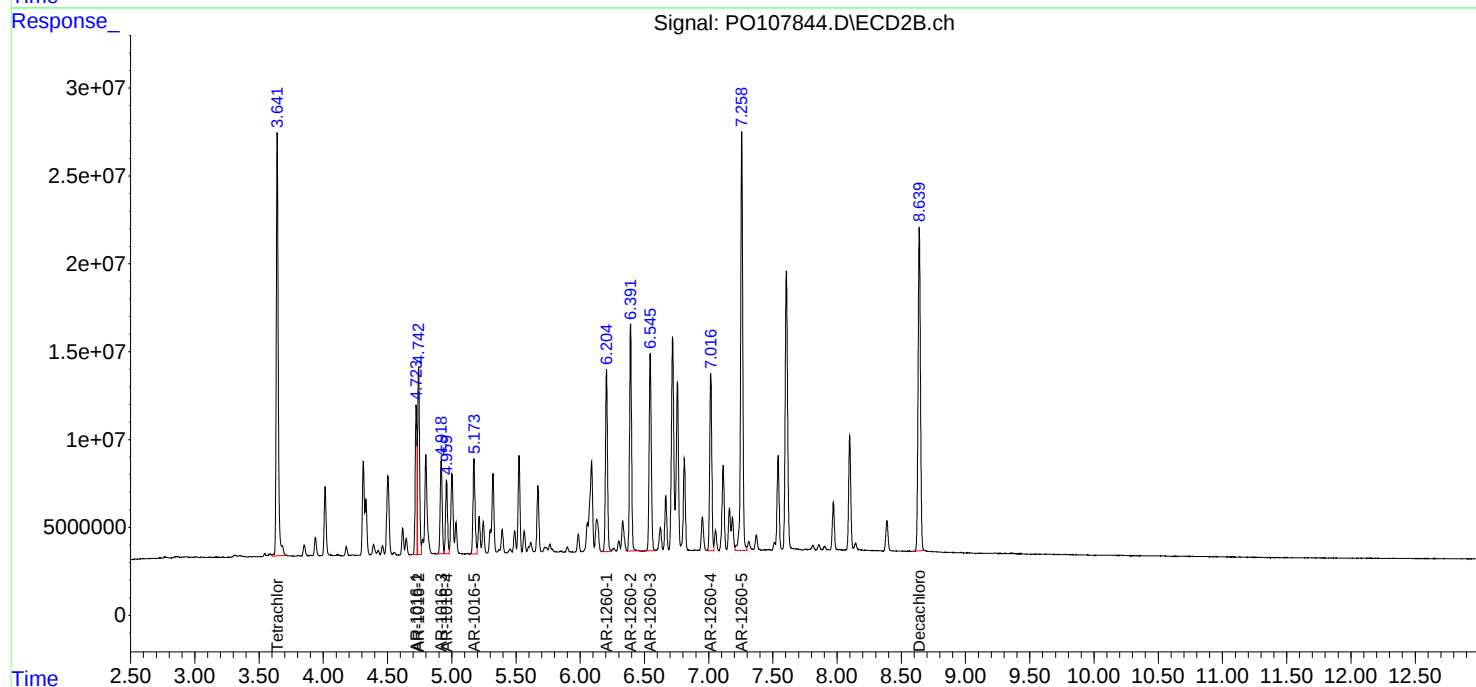
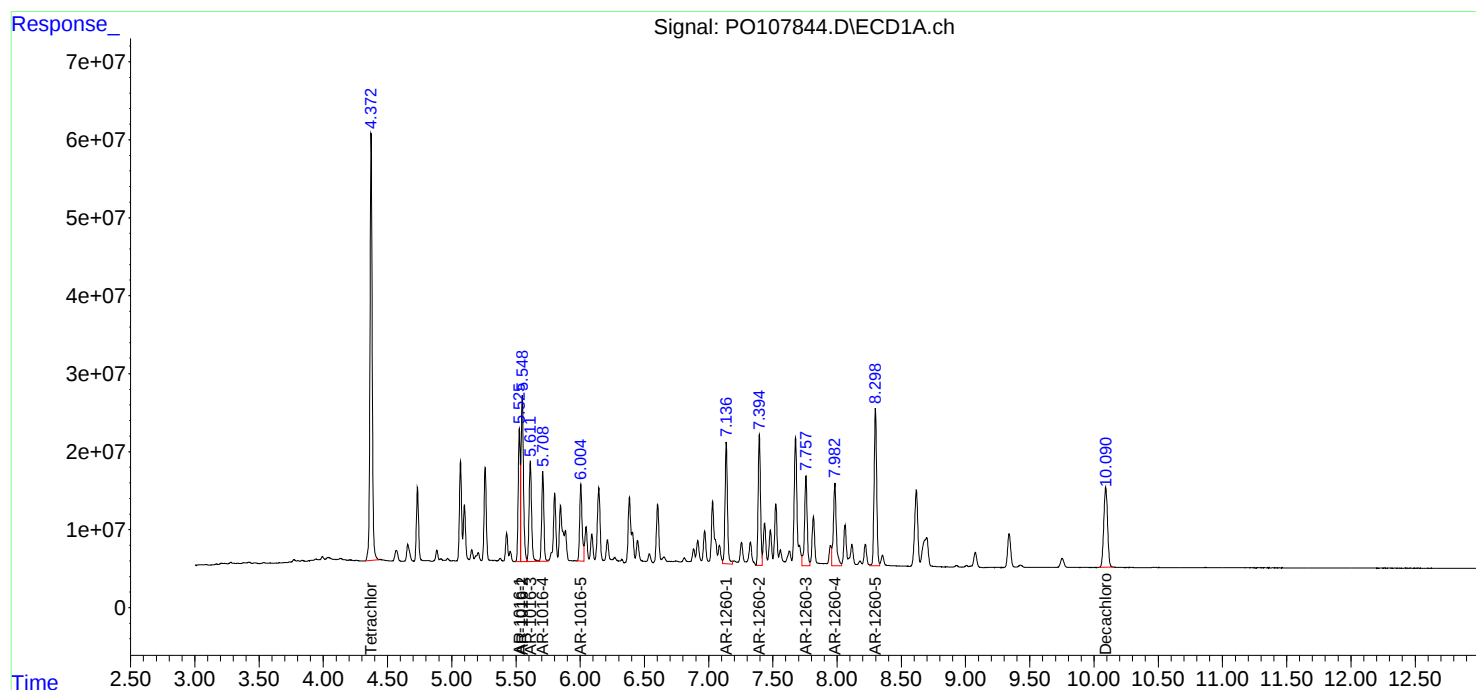
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107844.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 17:46
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 22:20:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 22:17:12 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107845.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 18:02
 Operator : YP/AJ
 Sample : AR1660ICC500
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 22:20:29 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 22:17:12 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.641	461.9E6	177.1E6	50.000	50.000
2) SA Decachlor...	10.091	8.640	149.8E6	163.4E6	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	5.527	4.723	136.4E6	54488592	500.000	500.000
4) L1 AR-1016-2	5.549	4.742	196.5E6	76788716	500.000	500.000
5) L1 AR-1016-3	5.612	4.918	123.5E6	40961566	500.000	500.000
6) L1 AR-1016-4	5.709	4.959	98027775	31652150	500.000	500.000
7) L1 AR-1016-5	6.006	5.173	93909204	42472184	500.000	500.000
31) L7 AR-1260-1	7.137	6.204	146.9E6	78948221	500.000	500.000
32) L7 AR-1260-2	7.395	6.392	153.7E6	95603724	500.000	500.000
33) L7 AR-1260-3	7.758	6.545	118.8E6	90167481	500.000	500.000
34) L7 AR-1260-4	7.983	7.016	122.2E6	77455431	500.000	500.000
35) L7 AR-1260-5	8.298	7.258	197.5E6	189.6E6	500.000	500.000

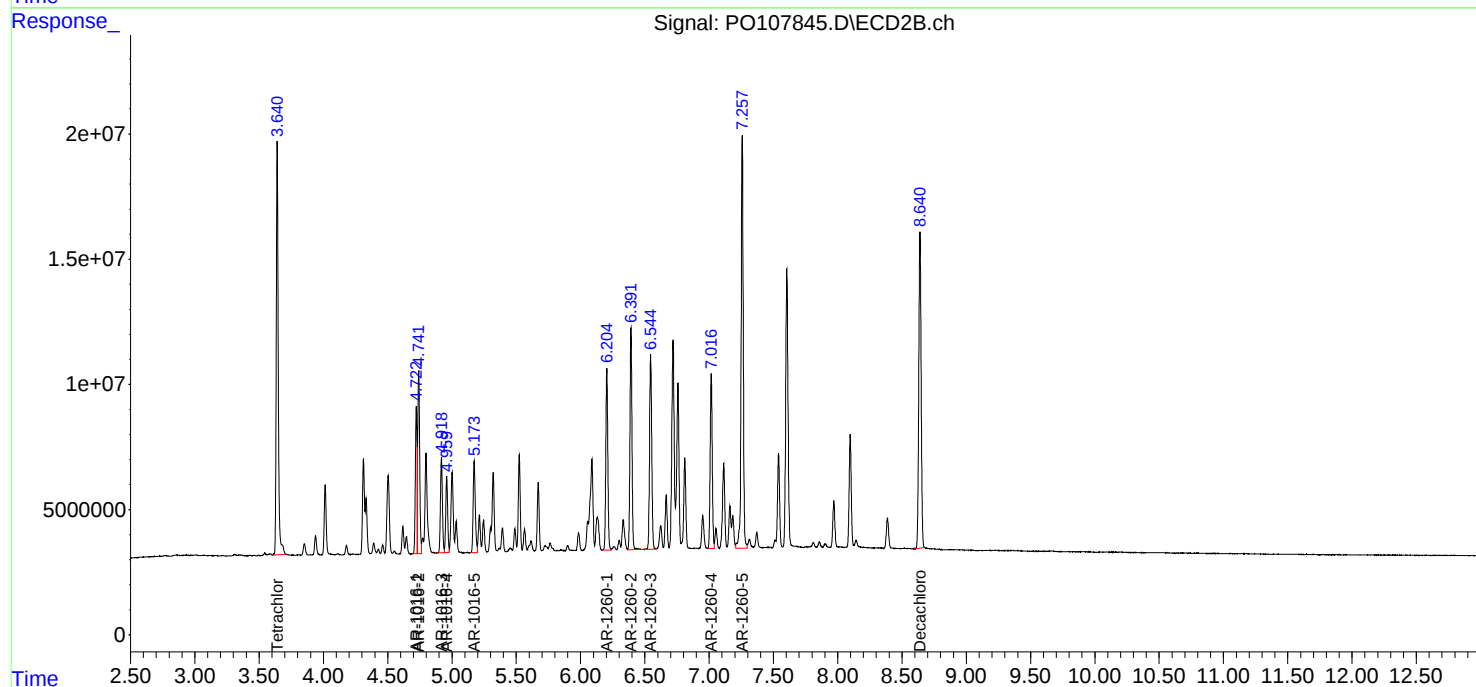
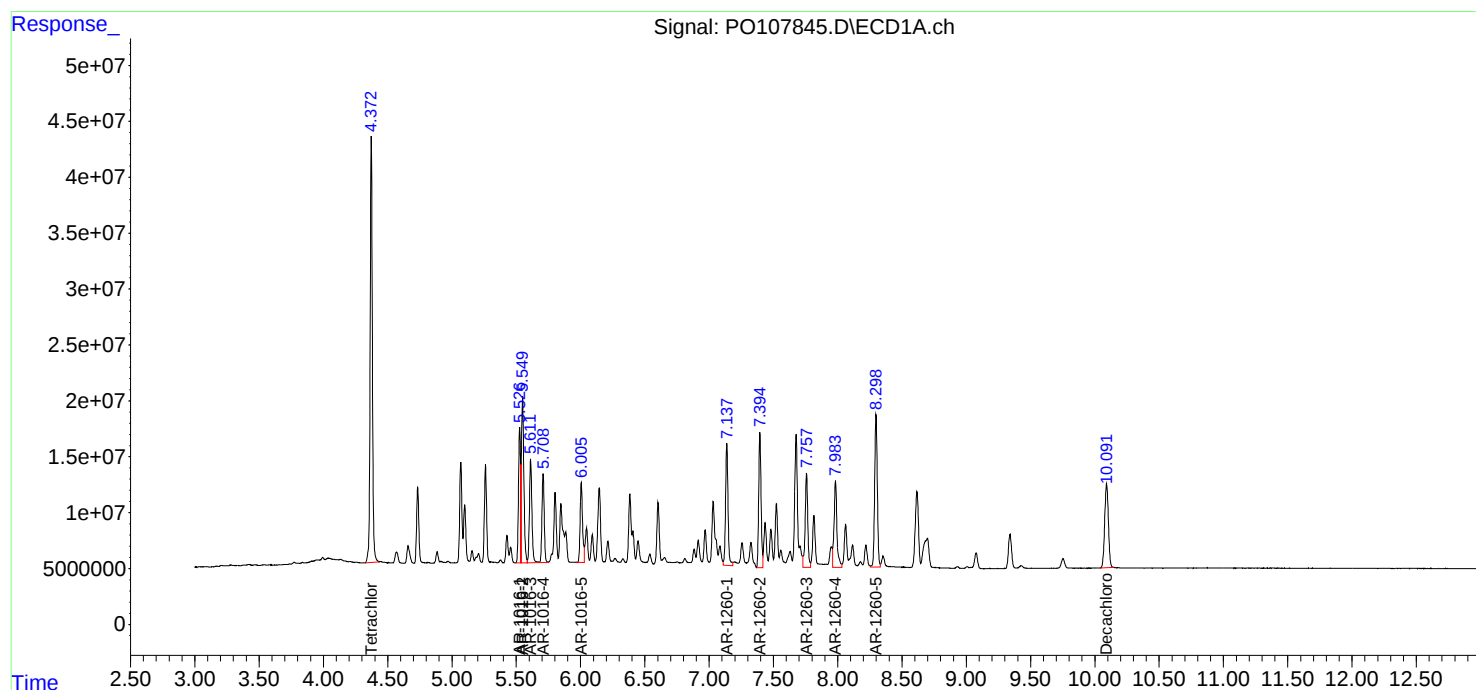
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107845.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 18:02
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 22:20:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 22:17:12 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107846.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 18:19
 Operator : YP/AJ
 Sample : AR1660ICC250
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 22:20:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 22:17:12 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.375	3.641	232.8E6	84718774	25.197	23.922
2) SA Decachlor...	10.094	8.640	79408368	82444851	26.504	25.231
Target Compounds						
3) L1 AR-1016-1	5.528	4.723	70460485	27336697	258.375	250.848
4) L1 AR-1016-2	5.550	4.742	103.5E6	38175389	263.305	248.574
5) L1 AR-1016-3	5.614	4.918	66684944	20642709	269.916	251.977
6) L1 AR-1016-4	5.711	4.960	51997997	16236119	265.221	256.477
7) L1 AR-1016-5	6.007	5.173	49111821	21450442	261.486	252.523
31) L7 AR-1260-1	7.139	6.205	81788607	40715160	278.463	257.860
32) L7 AR-1260-2	7.396	6.393	84705166	47985223	275.590	250.959
33) L7 AR-1260-3	7.759	6.546	67255078	45083775	283.109	250.000
34) L7 AR-1260-4	7.985	7.018	68866209	38901530	281.751	251.122
35) L7 AR-1260-5	8.300	7.258	102.8E6	94169057	260.239	248.297

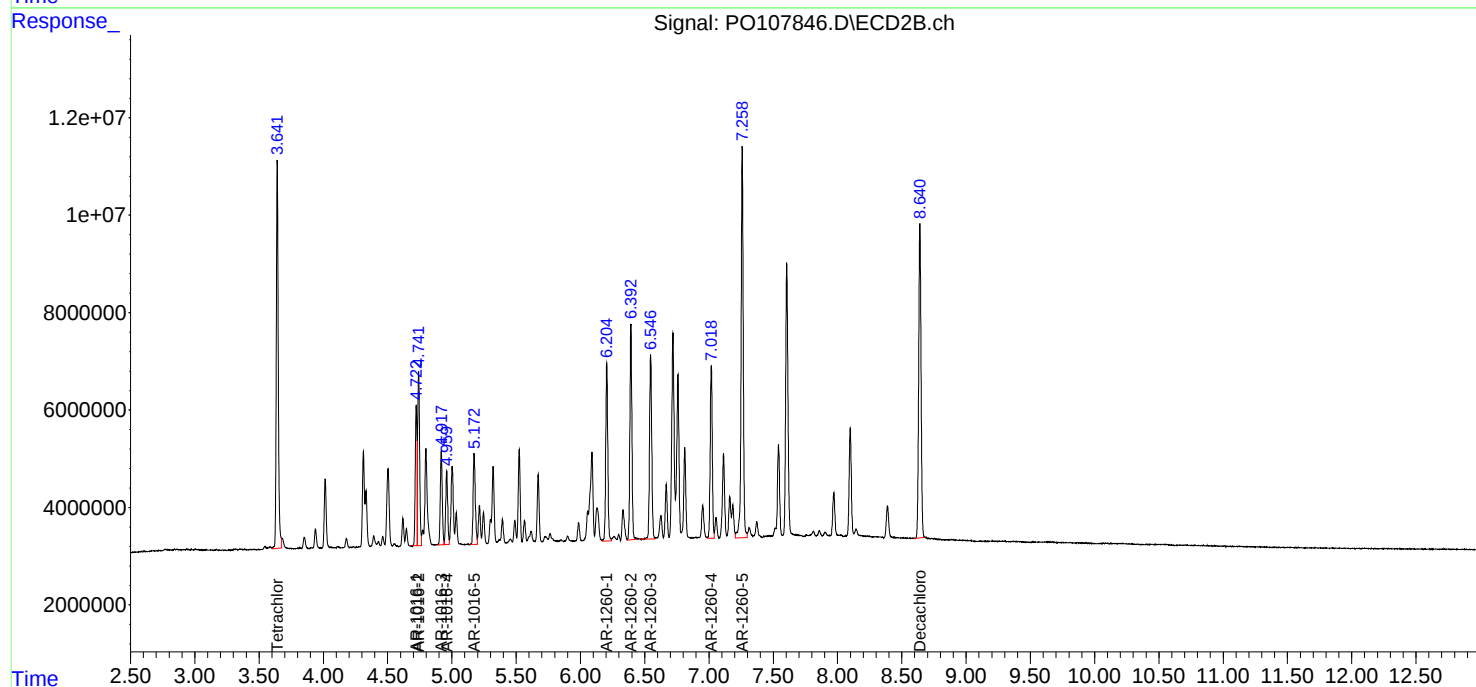
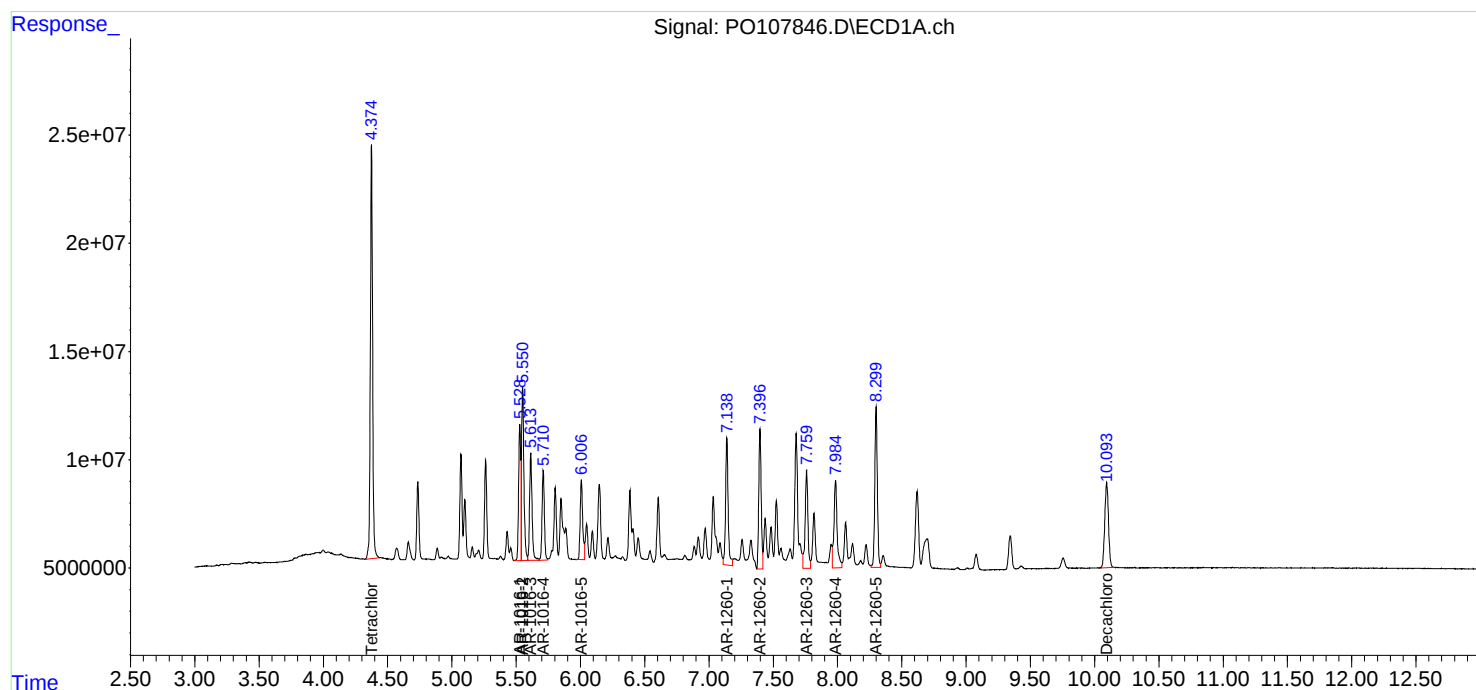
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107846.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 18:19
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 22:20:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 22:17:12 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107847.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 18:36
 Operator : YP/AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 22:21:12 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 22:17:12 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.641	43671679	14935406	4.727	4.217
2) SA Decachlor...	10.091	8.639	15630474	14960980	5.217	4.579
Target Compounds						
3) L1 AR-1016-1	5.526	4.724	14177335	5294568	51.987	48.584
4) L1 AR-1016-2	5.549	4.743	20018569	7084087	50.930	46.127
5) L1 AR-1016-3	5.612	4.919	13587304	3964633	54.996	48.395
6) L1 AR-1016-4	5.709	4.960	10236989	3097405	52.215	48.929
7) L1 AR-1016-5	6.005	5.173	9849446	4281799	52.441	50.407
31) L7 AR-1260-1	7.136	6.204	14683013	7540887	49.991m	47.758m
32) L7 AR-1260-2	7.394	6.392	13915353	9624451	45.274m	50.335m
33) L7 AR-1260-3	7.757	6.546	11072588	8616445	46.610m	47.780
34) L7 AR-1260-4	7.982	7.016	11681233	7099532	47.791m	45.830
35) L7 AR-1260-5	8.298	7.258	19453017	16294786	49.243m	42.965

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107847.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 18:36
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

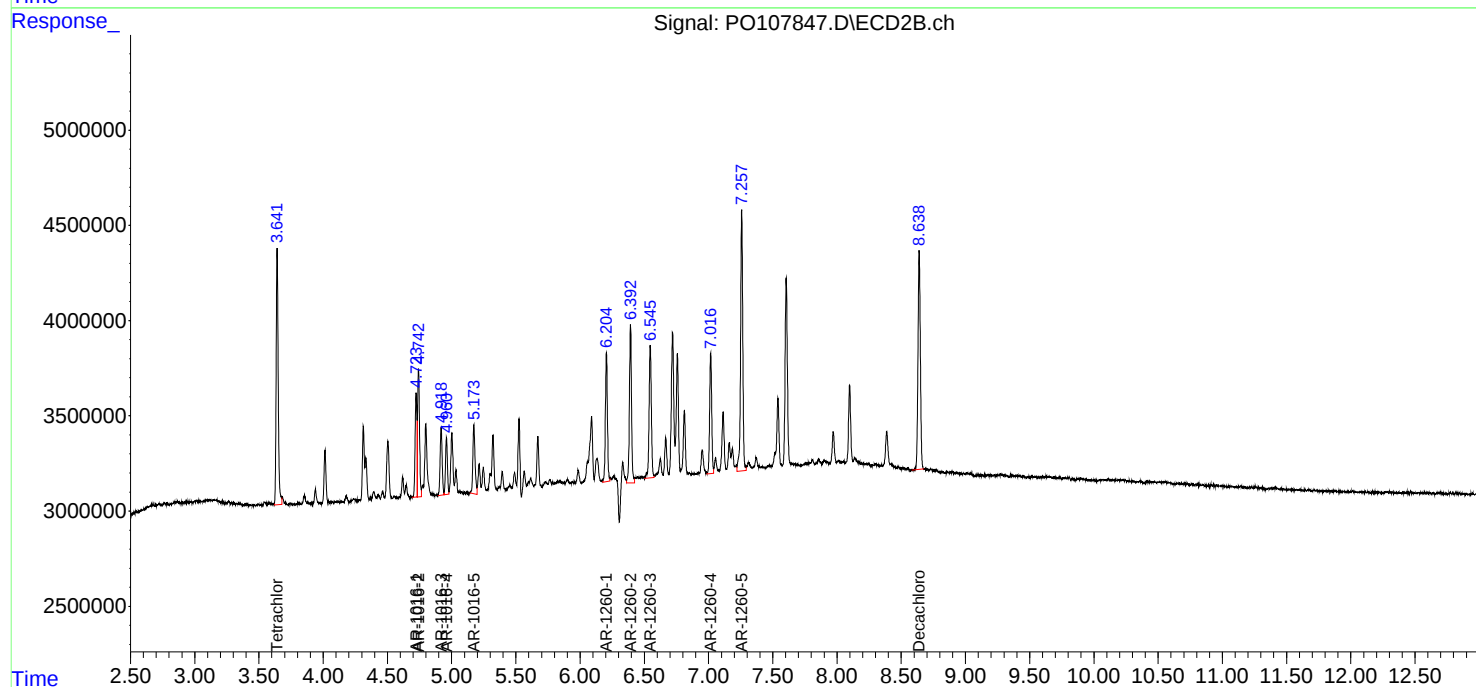
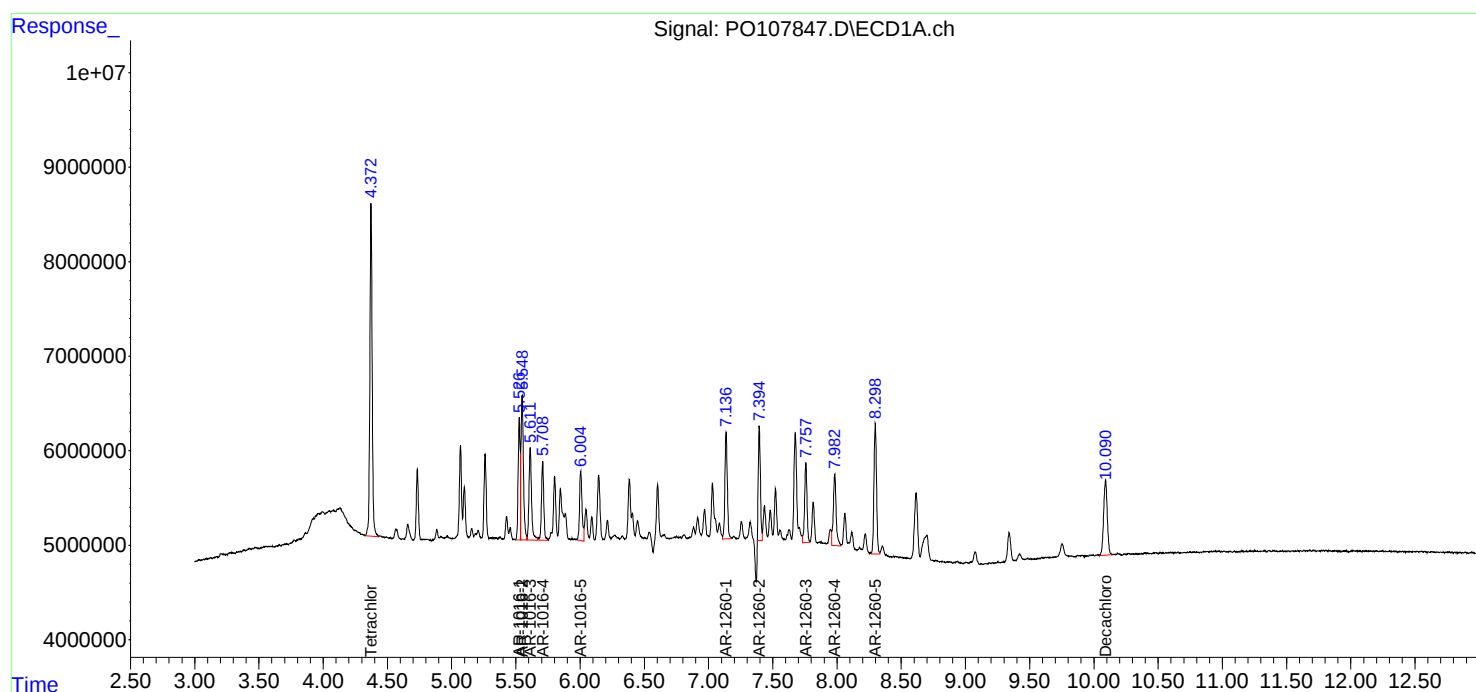
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 22:21:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 22:17:12 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107848.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 18:52
 Operator : YP/AJ
 Sample : AR1221ICC500
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1221ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 22:32:57 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 22:31:08 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...	4.372	3.642	469.2E6	169.6E6	50.000	50.000
2) SA Decachlor...	10.090	8.638	149.6E6	162.4E6	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	4.573	3.853	58050359	19019820	500.000	500.000
9) L2 AR-1221-2	4.658	3.938	41699770	14888049	500.000	500.000
10) L2 AR-1221-3	4.733	4.014	121.5E6	44918321	500.000	500.000

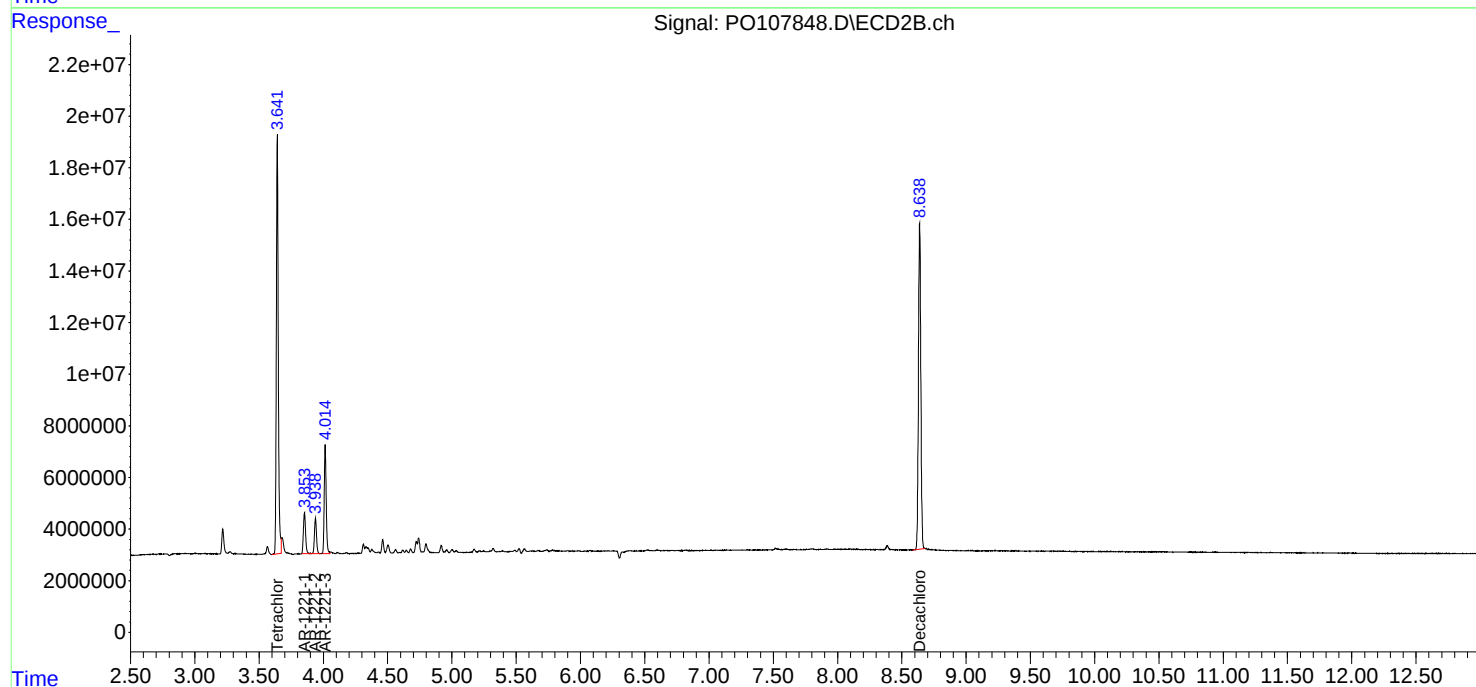
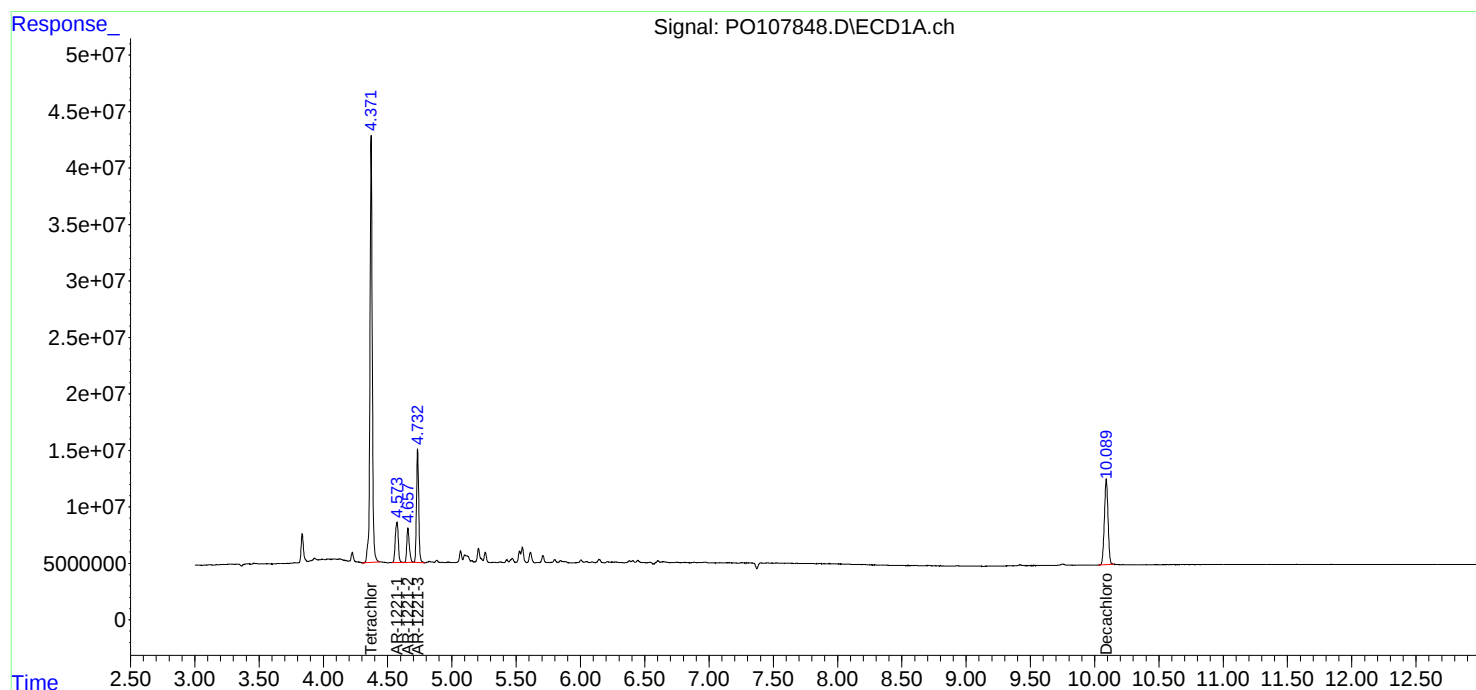
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107848.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 18:52
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 22:32:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 22:31:08 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_O\Data\P0111124\
 Data File : P0107849.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 19:08
 Operator : YP/AJ
 Sample : AR1232ICC500
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1232ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 22:36:39 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 22:36:06 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.641	451.0E6	165.7E6	50.000	50.000
2) SA Decachlor...	10.092	8.640	147.7E6	160.1E6	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	4.733	4.014	97382204	35378794	500.000	500.000
12) L3 AR-1232-2	5.260	4.741	50037973	33515518	500.000	500.000
13) L3 AR-1232-3	5.548	4.918	88822873	17791025	500.000	500.000
14) L3 AR-1232-4	5.708	5.001	44341161	15370204	500.000	500.000
15) L3 AR-1232-5	5.801	5.173	34432457	17010289	500.000	500.000

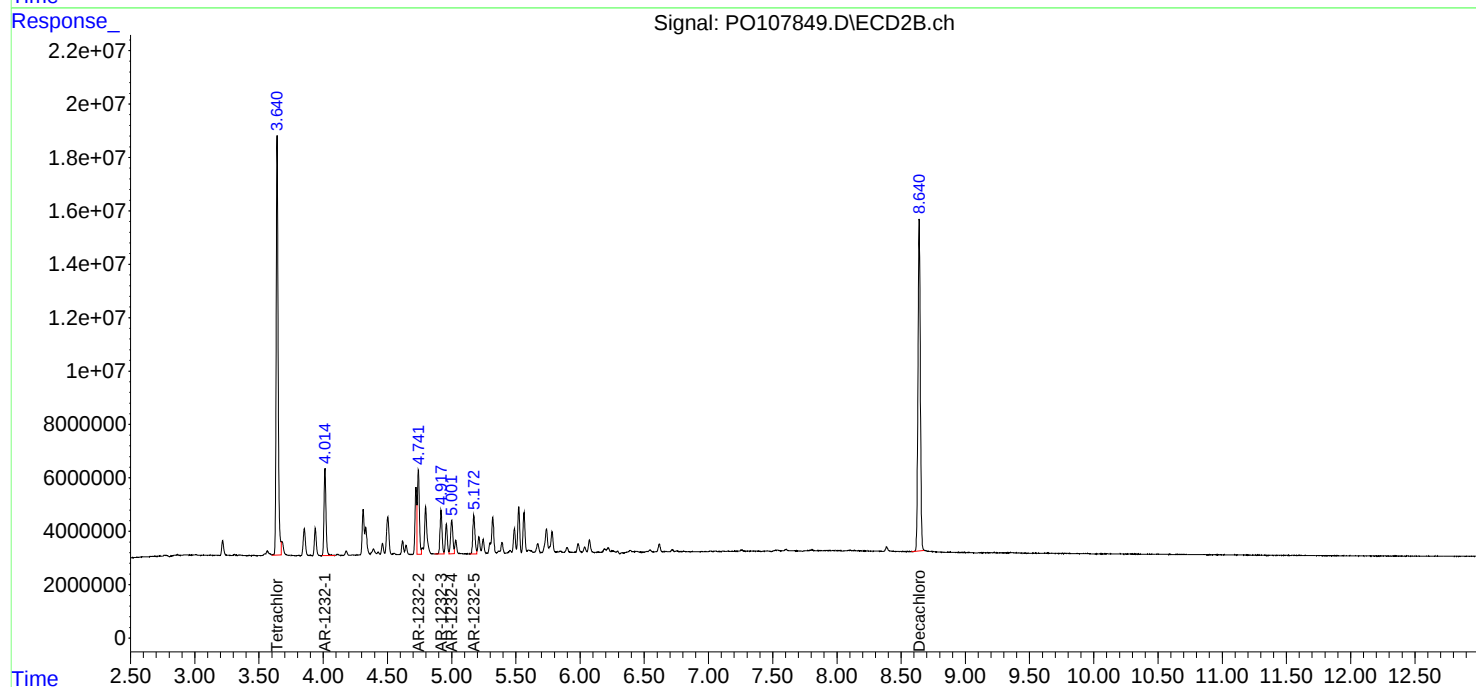
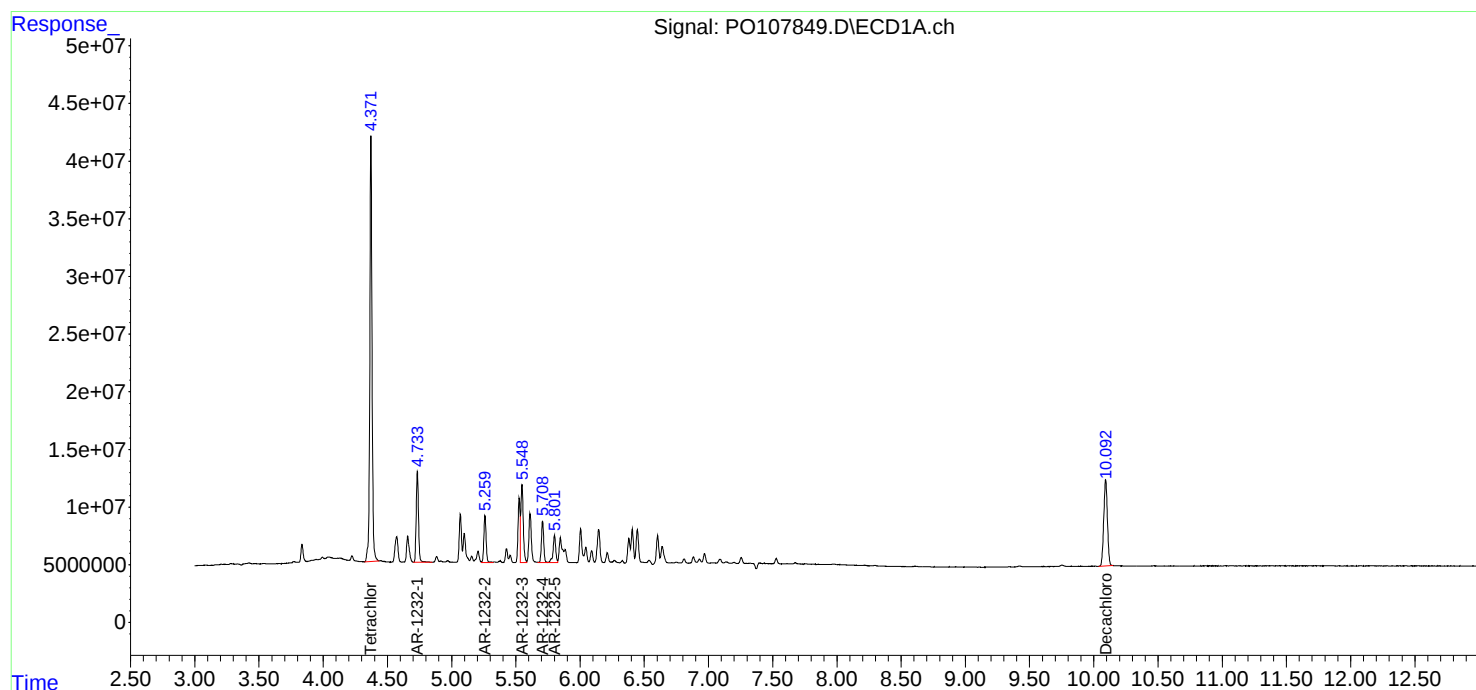
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 19:08
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 22:36:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 22:36:06 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107850.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 19:24
 Operator : YP/AJ
 Sample : AR1242ICC1000
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 22:41:12 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 22:39:15 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.641	891.6E6	348.4E6	94.696	97.666
2) SA Decachlor...	10.093	8.639	278.9E6	316.6E6	90.245	94.261
Target Compounds						
16) L4 AR-1242-1	5.526	4.722	210.6E6	85117587	912.907	942.470
17) L4 AR-1242-2	5.548	4.741	306.7E6	122.1E6	920.694	956.708
18) L4 AR-1242-3	5.611	4.917	191.4E6	64854342	910.806	946.588
19) L4 AR-1242-4	5.709	5.001	154.2E6	60584543	915.412	933.504
20) L4 AR-1242-5	6.446	5.522	147.0E6	78151528	866.456	951.696

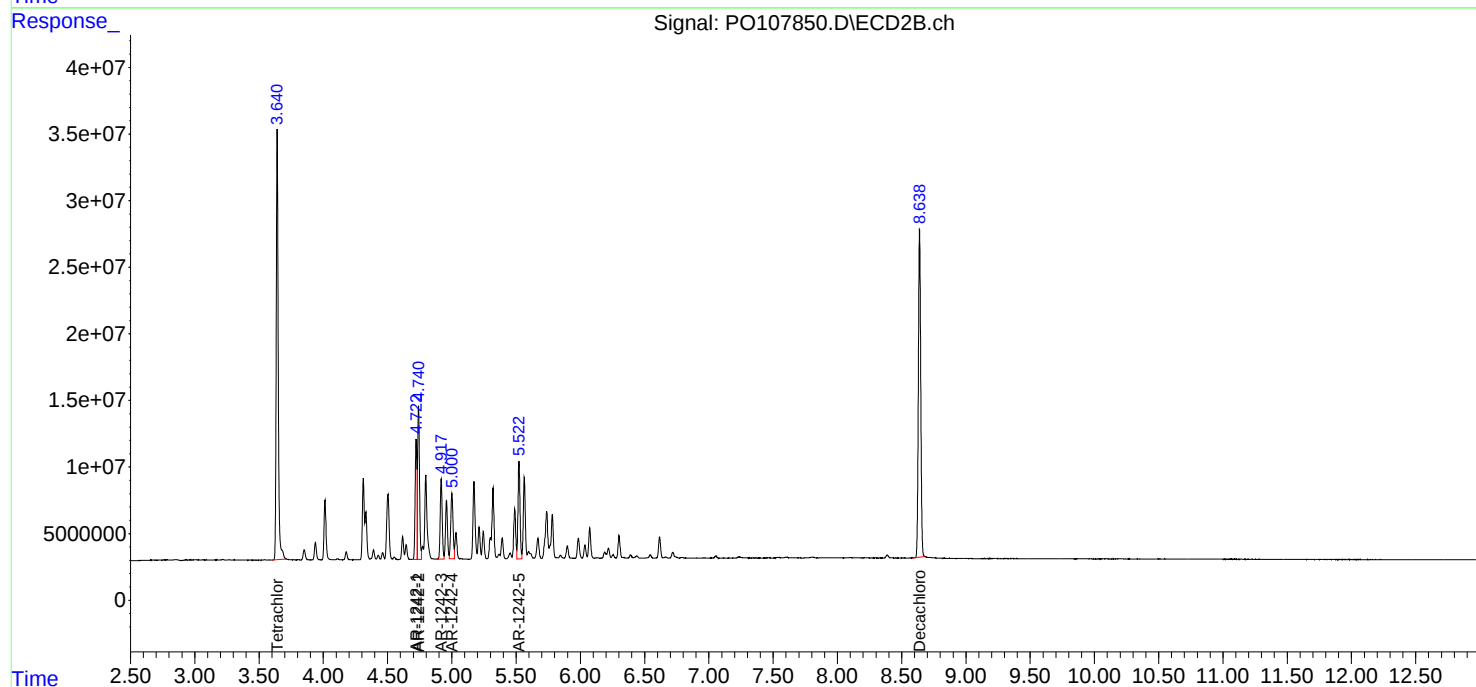
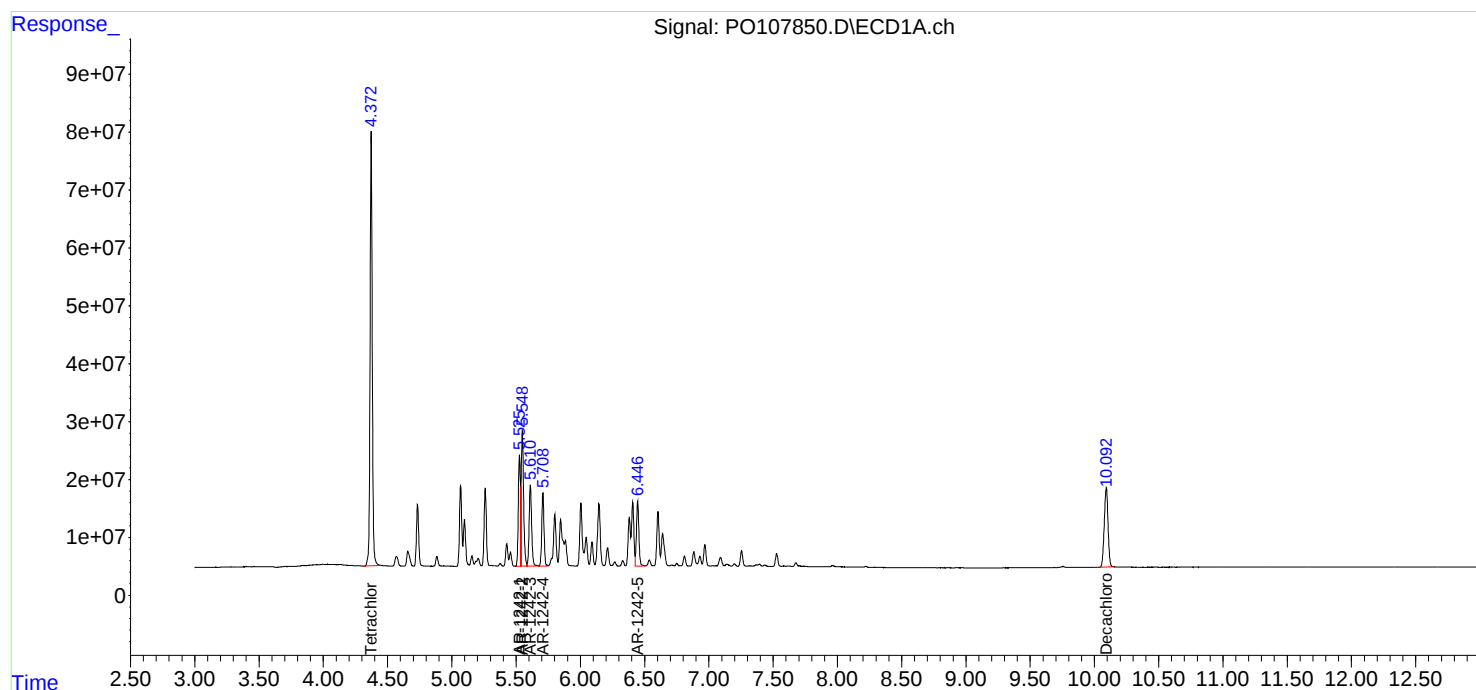
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 19:24
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 22:41:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 22:39:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107851.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 19:40
 Operator : YP/AJ
 Sample : AR1242ICC750
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 22:41:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 22:39:15 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.642	689.9E6	266.1E6	73.281	74.596
2) SA Decachlor...	10.091	8.640	221.9E6	244.9E6	71.815	72.906
Target Compounds						
16) L4 AR-1242-1	5.526	4.723	165.5E6	66356644	717.457	734.738
17) L4 AR-1242-2	5.548	4.742	239.4E6	93809434	718.770	734.784
18) L4 AR-1242-3	5.611	4.918	149.7E6	49964615	712.390	729.264
19) L4 AR-1242-4	5.708	5.001	120.8E6	47036146	717.648	724.747
20) L4 AR-1242-5	6.446	5.523	119.0E6	59730336	701.242	727.371

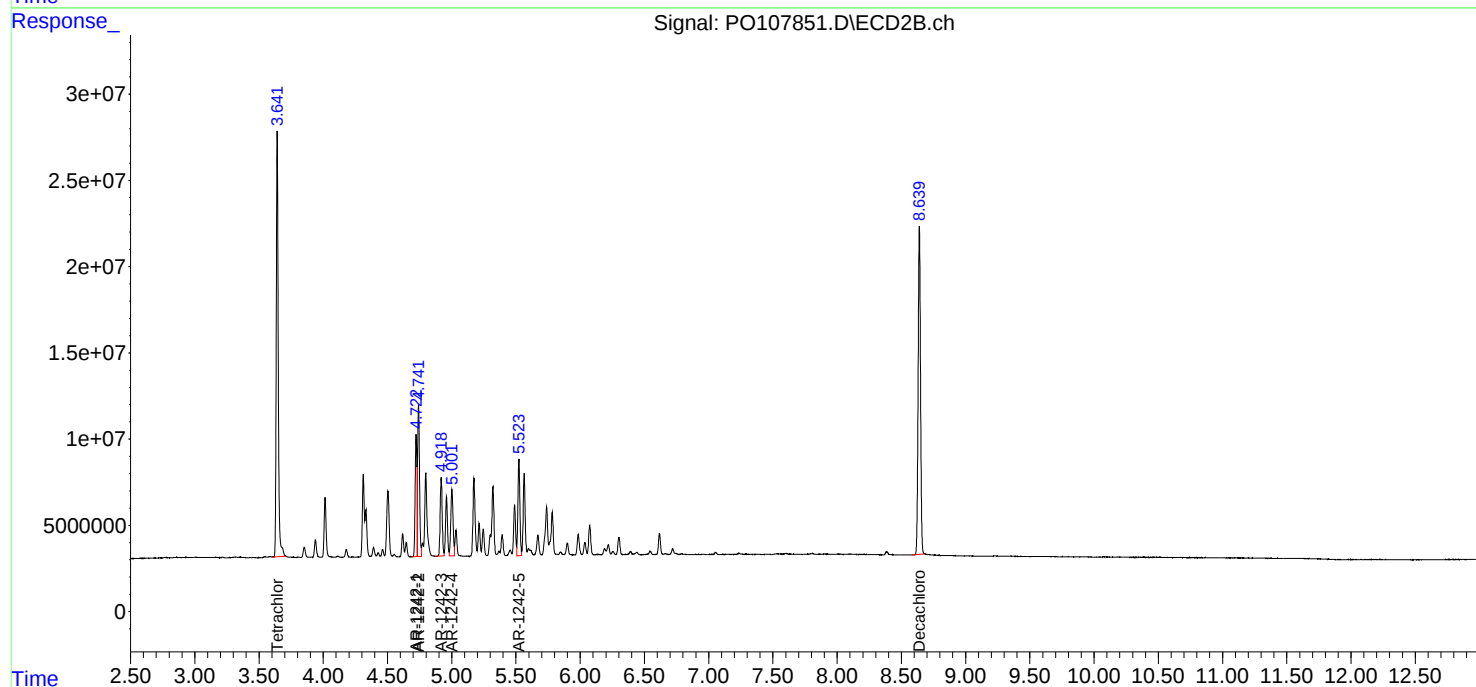
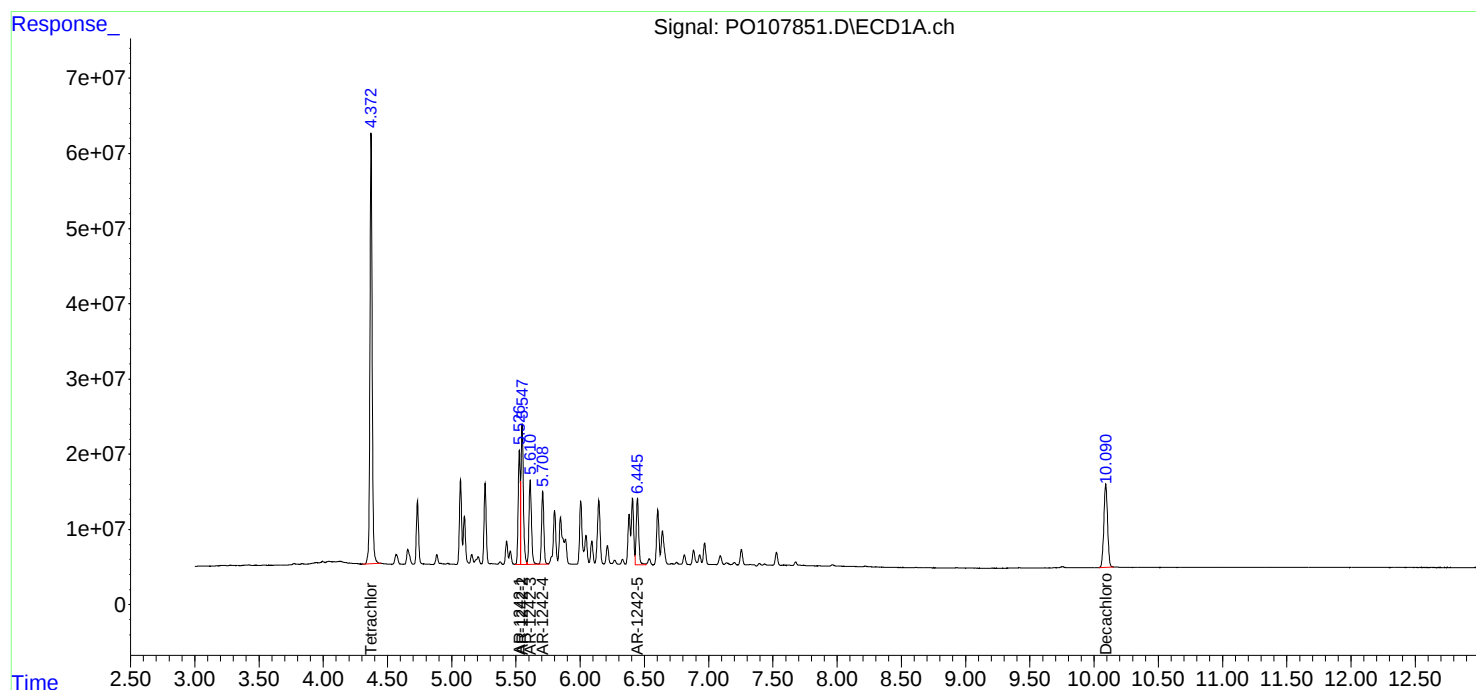
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107851.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 19:40
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 22:41:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 22:39:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107852.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 19:57
 Operator : YP/AJ
 Sample : AR1242ICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 22:41:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 22:39:15 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.374	3.641	470.8E6	178.4E6	50.000	50.000
2) SA Decachlor...	10.093	8.639	154.5E6	167.9E6	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	5.528	4.723	115.3E6	45156648	500.000	500.000
17) L4 AR-1242-2	5.551	4.741	166.6E6	63834740	500.000	500.000
18) L4 AR-1242-3	5.614	4.918	105.1E6	34256891	500.000	500.000
19) L4 AR-1242-4	5.711	5.001	84197511	32450054	500.000	500.000
20) L4 AR-1242-5	6.448	5.523	84852995	41059063	500.000	500.000

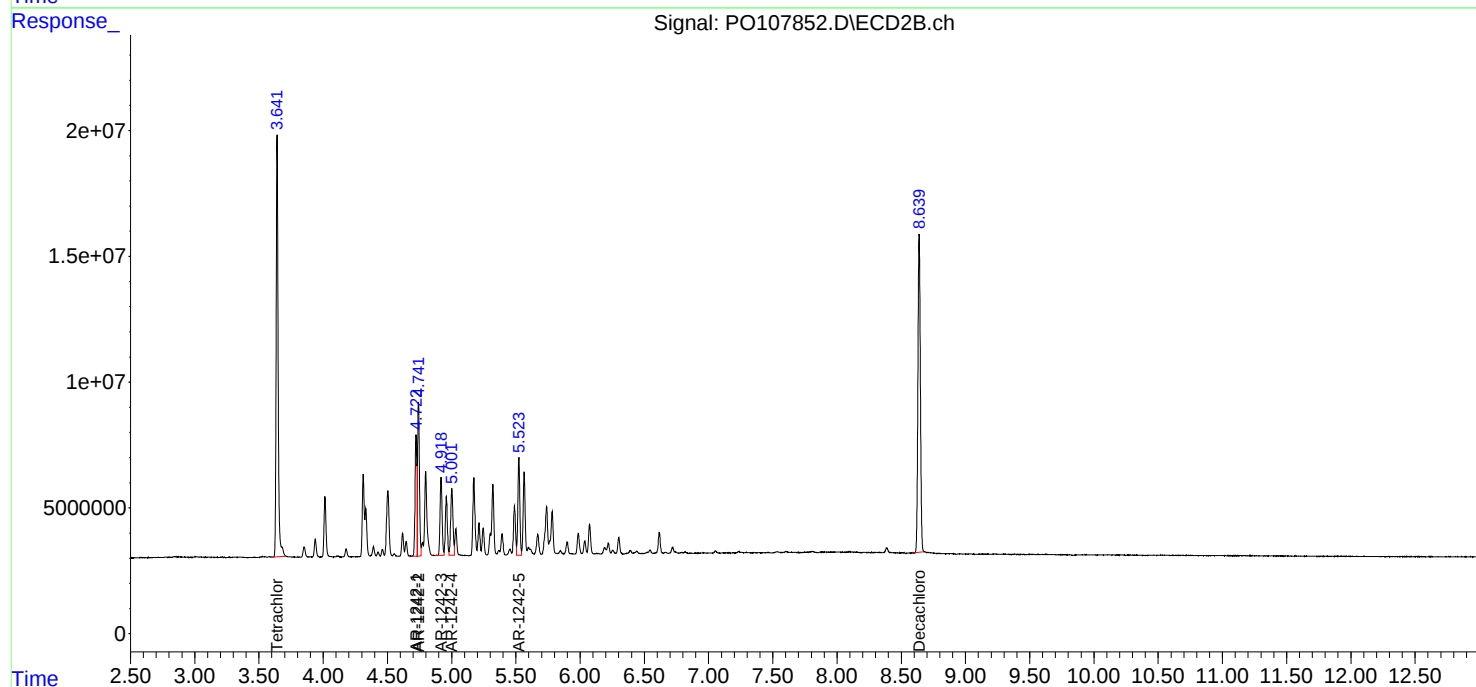
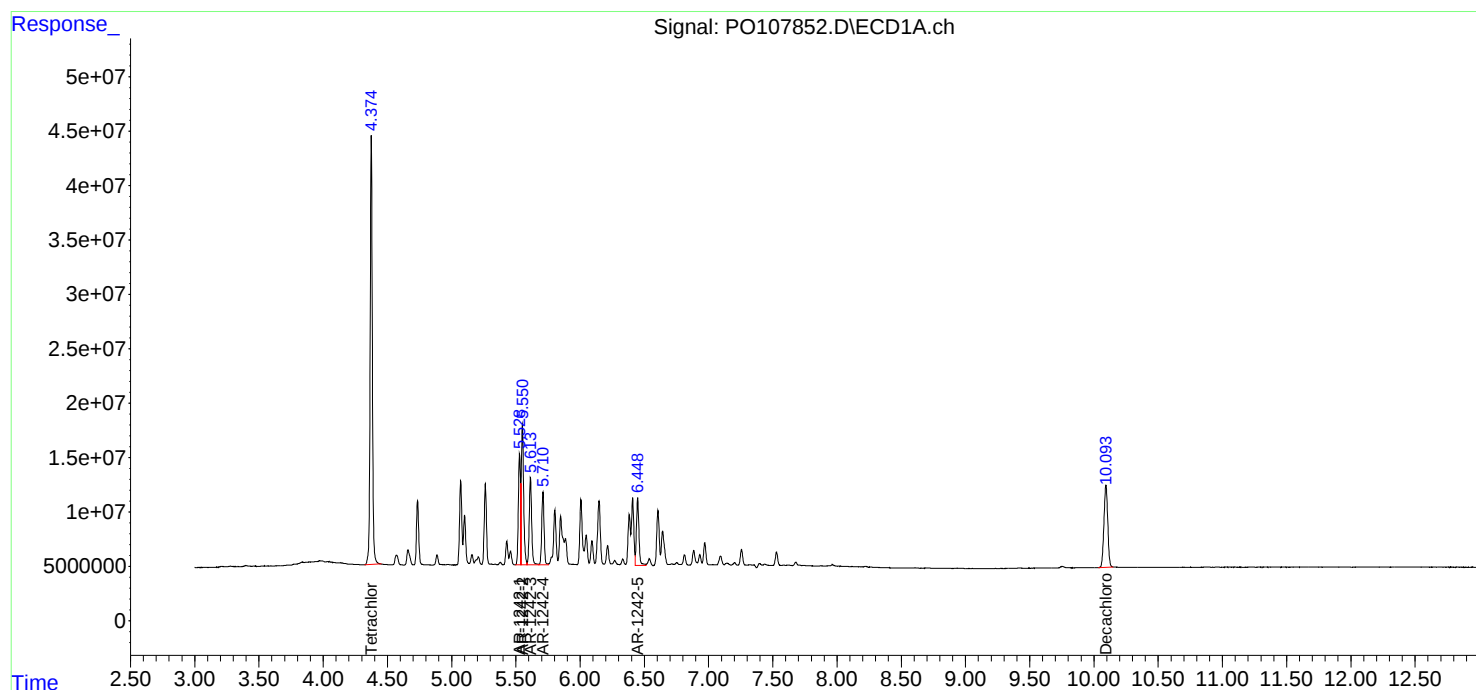
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107852.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 19:57
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 22:41:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 22:39:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107853.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 20:13
 Operator : YP/AJ
 Sample : AR1242ICC250
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC250

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 22:42:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 22:39:15 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.641	239.8E6	88767276	25.468	24.884
2) SA Decachlor...	10.090	8.640	82299793	84720240	26.632	25.222
Target Compounds						
16) L4 AR-1242-1	5.526	4.722	61089490	23304702	264.845	258.043
17) L4 AR-1242-2	5.549	4.741	88665271	32808667	266.176	256.981
18) L4 AR-1242-3	5.611	4.917	56623764	17865402	269.419	260.756
19) L4 AR-1242-4	5.709	5.001	44661419	17163461	265.218	264.460
20) L4 AR-1242-5	6.446	5.523	42045454	21384951	247.755m	260.417

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107853.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 20:13
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

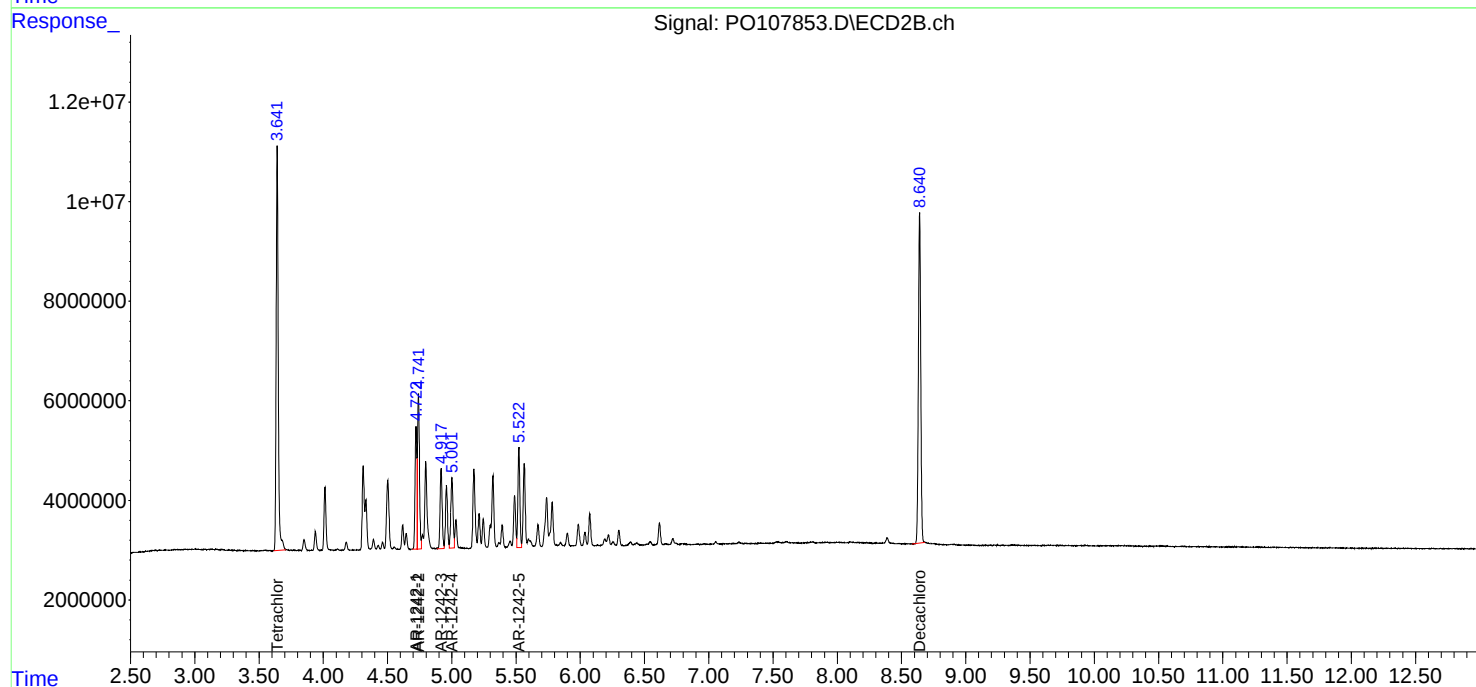
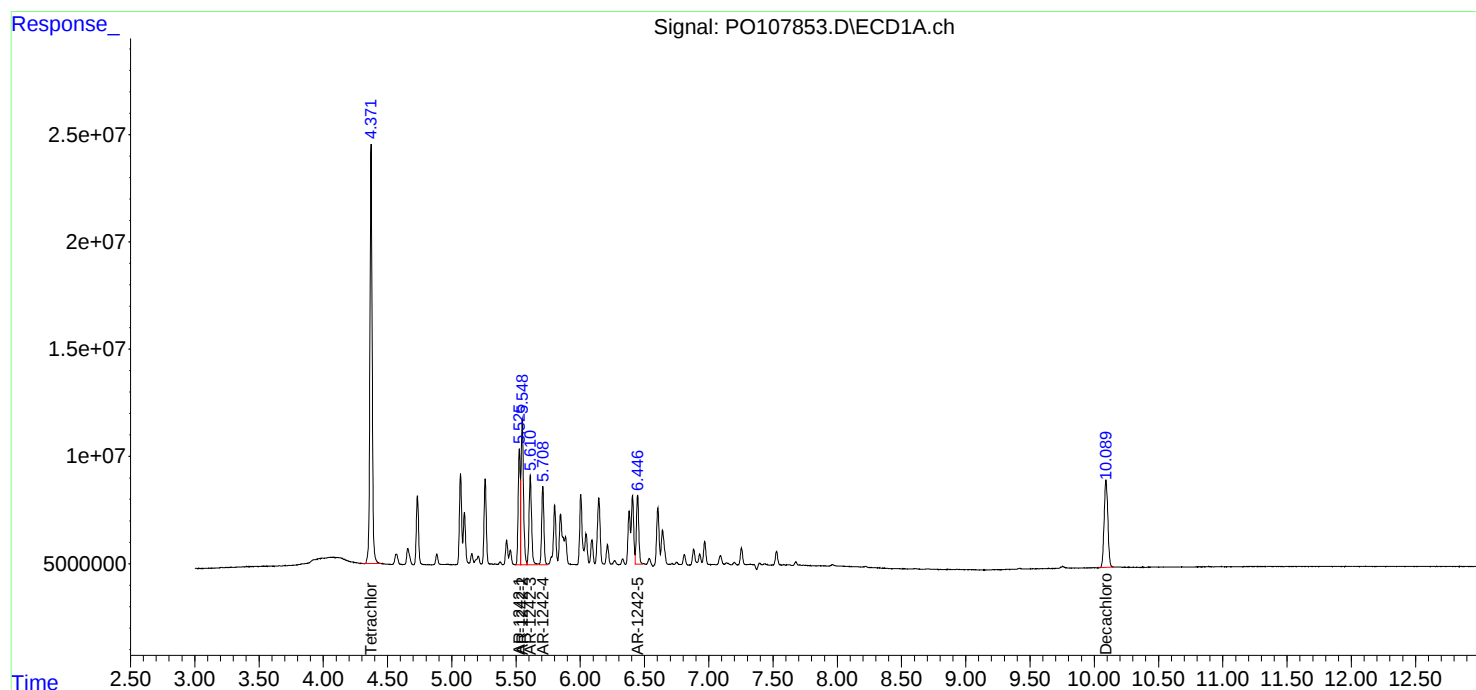
Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 22:42:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 22:39:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107854.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 20:30
 Operator : YP/AJ
 Sample : AR1242ICC050
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 22:42:39 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 22:39:15 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.640	47951393	16653886	5.093	4.668
2) SA Decachlor...	10.090	8.638	17573671	17098549	5.687	5.090
Target Compounds						
16) L4 AR-1242-1	5.526	4.722	13176918	4745871	57.127	52.549
17) L4 AR-1242-2	5.548	4.741	18834438	6367396	56.542	49.874
18) L4 AR-1242-3	5.611	4.918	12759047	3490765	60.708	50.950
19) L4 AR-1242-4	5.709	5.001	9606150	3377610	57.045	52.043
20) L4 AR-1242-5	6.445	5.522	9506750	4334152	56.019m	52.779m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107854.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 20:30
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

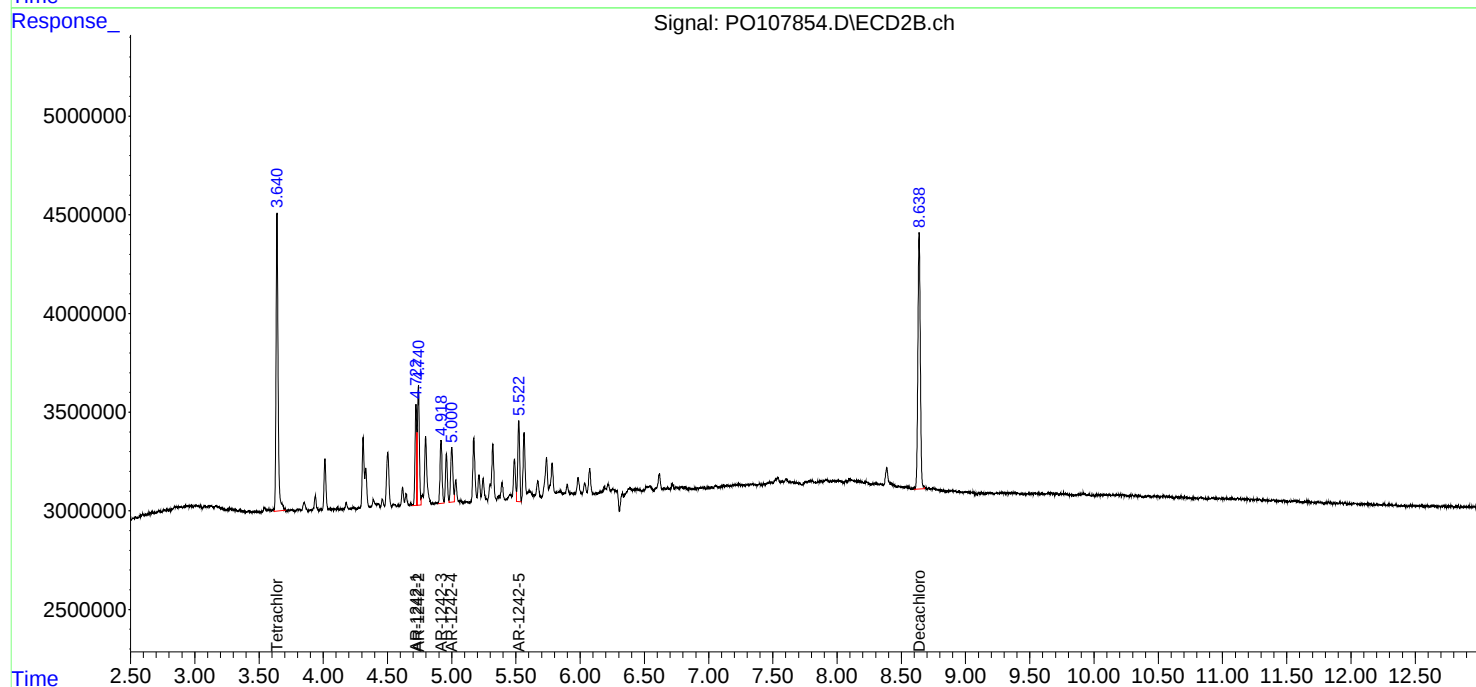
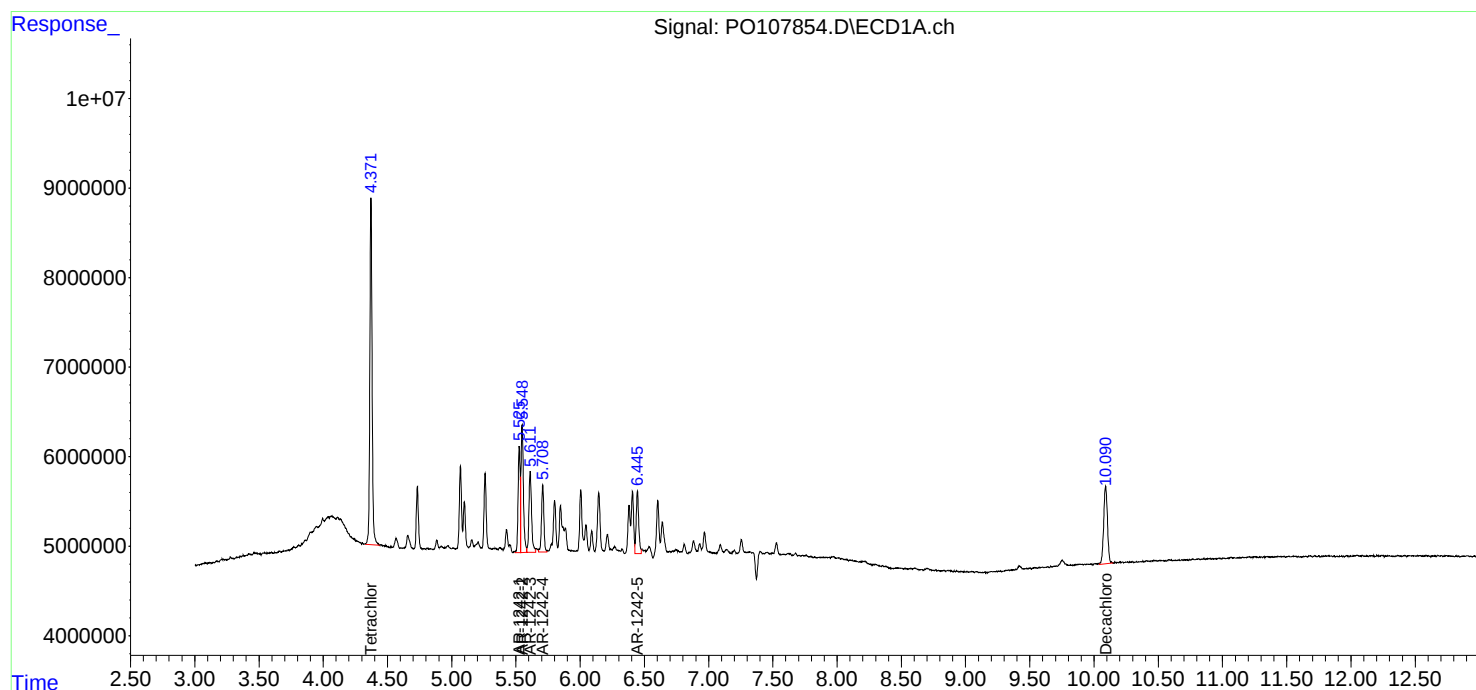
Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 22:42:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 22:39:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107855.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 20:46
 Operator : YP/AJ
 Sample : AR1248ICC1000
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 22:53:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 22:52:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.641	915.3E6	353.5E6	95.540	97.555
2) SA Decachlor...	10.092	8.639	285.6E6	328.6E6	89.273	95.112
Target Compounds						
21) L5 AR-1248-1	5.526	4.722	163.6E6	64512369	905.194	937.386
22) L5 AR-1248-2	5.801	4.959	231.6E6	87936190	906.215	929.630
23) L5 AR-1248-3	6.004	5.001	245.2E6	92896075	912.801	932.423
24) L5 AR-1248-4	6.408	5.172	261.4E6	113.2E6	920.263	941.070
25) L5 AR-1248-5	6.446	5.564	255.0E6	114.9E6	897.420	949.949

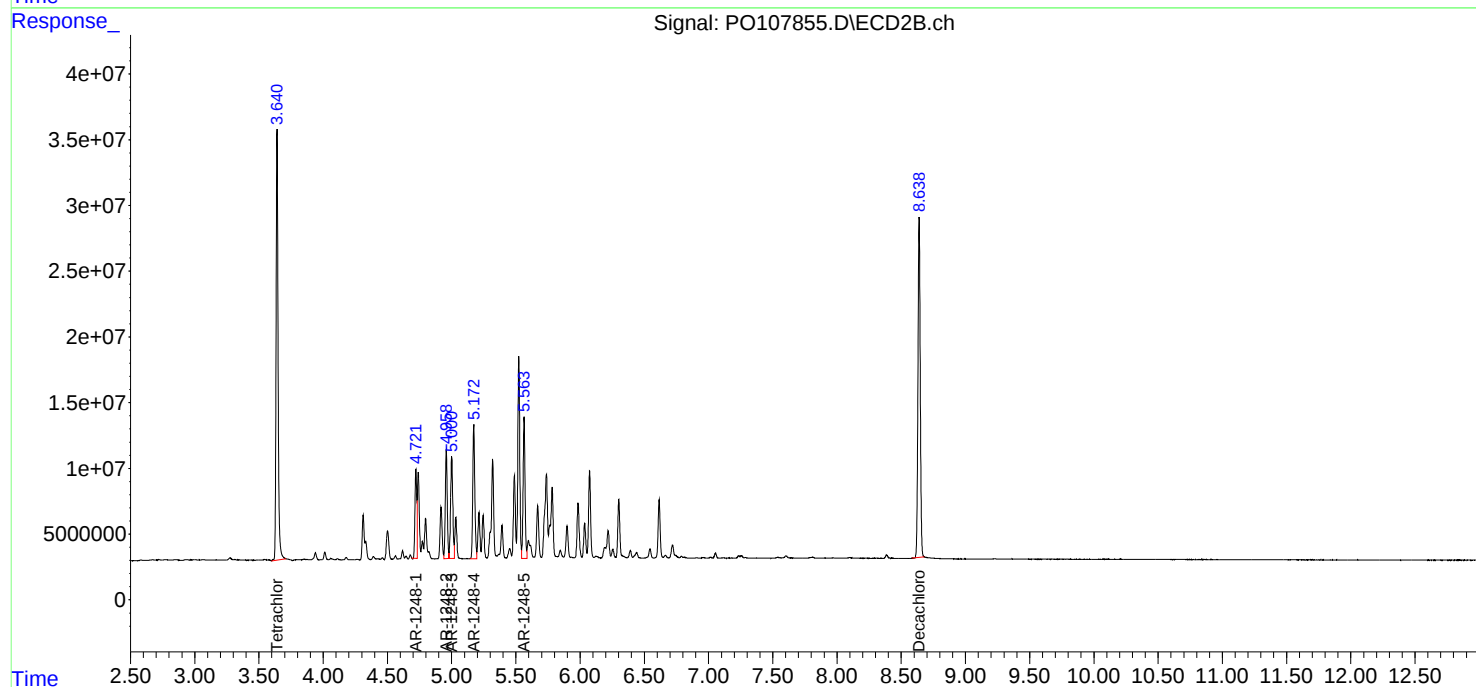
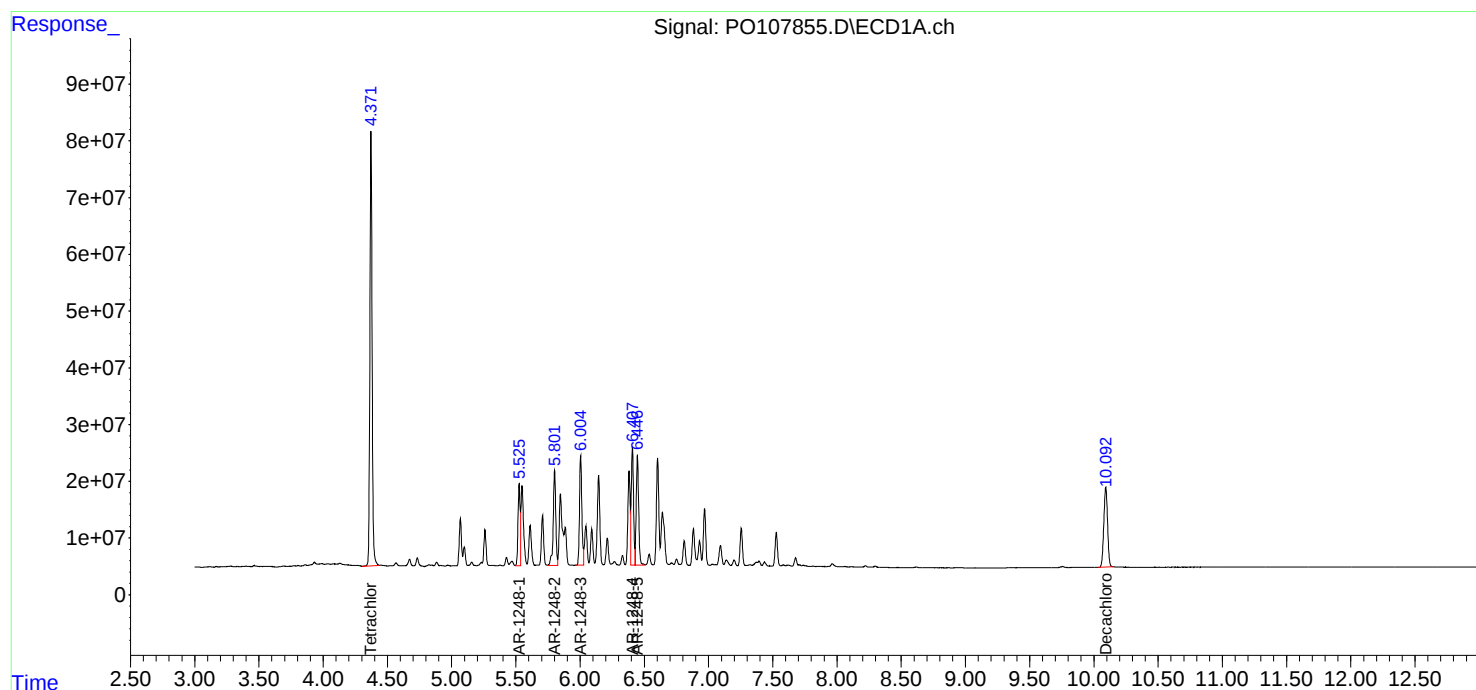
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107855.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 20:46
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 22:53:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 22:52:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107856.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 21:02
 Operator : YP/AJ
 Sample : AR1248ICC750
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 22:54:05 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 22:52:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.641	702.4E6	268.5E6	73.323	74.097
2) SA Decachlor...	10.090	8.639	224.0E6	250.0E6	70.013	72.350
Target Compounds						
21) L5 AR-1248-1	5.526	4.722	129.3E6	49942758	715.711	725.685
22) L5 AR-1248-2	5.802	4.959	181.2E6	68046206	709.124	719.360
23) L5 AR-1248-3	6.005	5.001	191.3E6	72057052	712.208	723.256
24) L5 AR-1248-4	6.407	5.172	204.2E6	87521843	719.062	727.304
25) L5 AR-1248-5	6.446	5.564	201.6E6	87812875	709.280	726.289

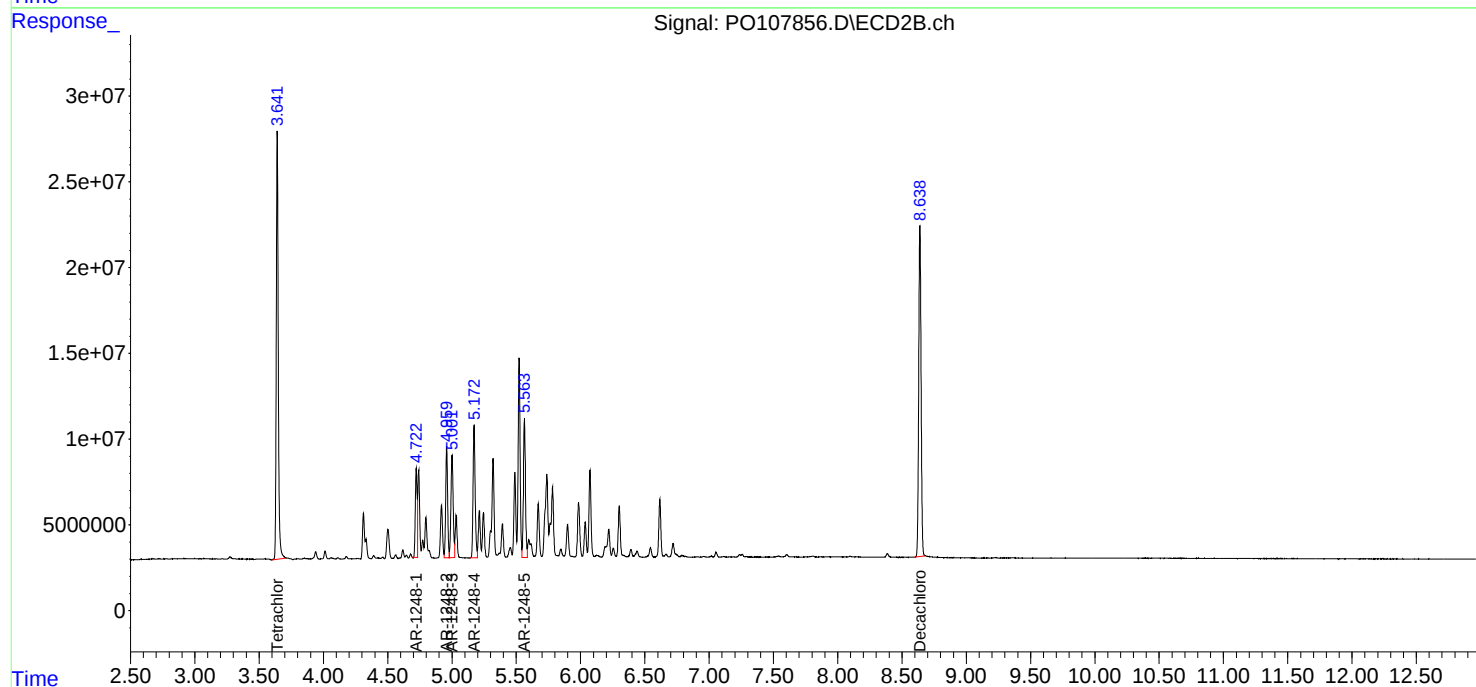
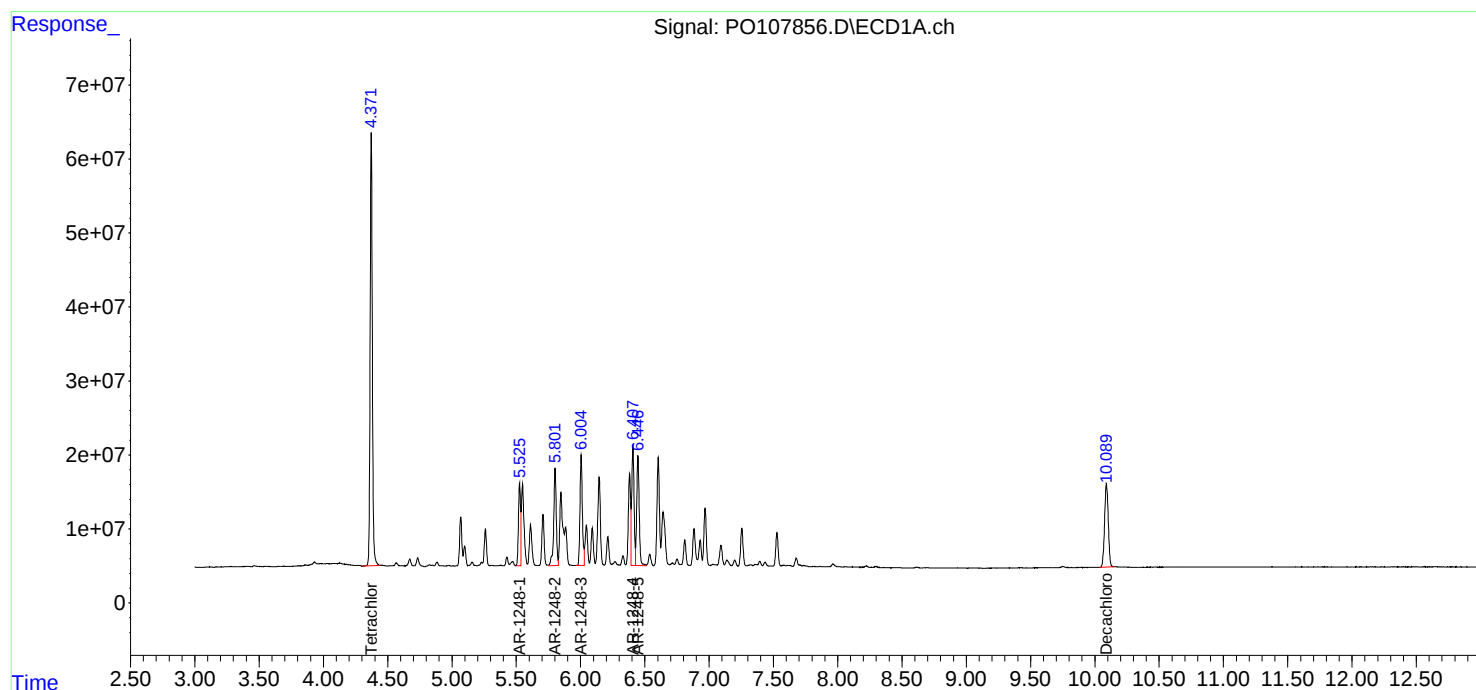
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107856.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 21:02
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 22:54:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 22:52:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107857.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 21:18
 Operator : YP/AJ
 Sample : AR1248ICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 22:54:26 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 22:52:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.641	479.0E6	181.2E6	50.000	50.000
2) SA Decachlor...	10.090	8.639	160.0E6	172.8E6	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	5.526	4.722	90360511	34410773	500.000	500.000
22) L5 AR-1248-2	5.801	4.959	127.8E6	47296347	500.000	500.000
23) L5 AR-1248-3	6.004	5.001	134.3E6	49814359	500.000	500.000
24) L5 AR-1248-4	6.407	5.172	142.0E6	60168649	500.000	500.000
25) L5 AR-1248-5	6.446	5.564	142.1E6	60453103	500.000	500.000

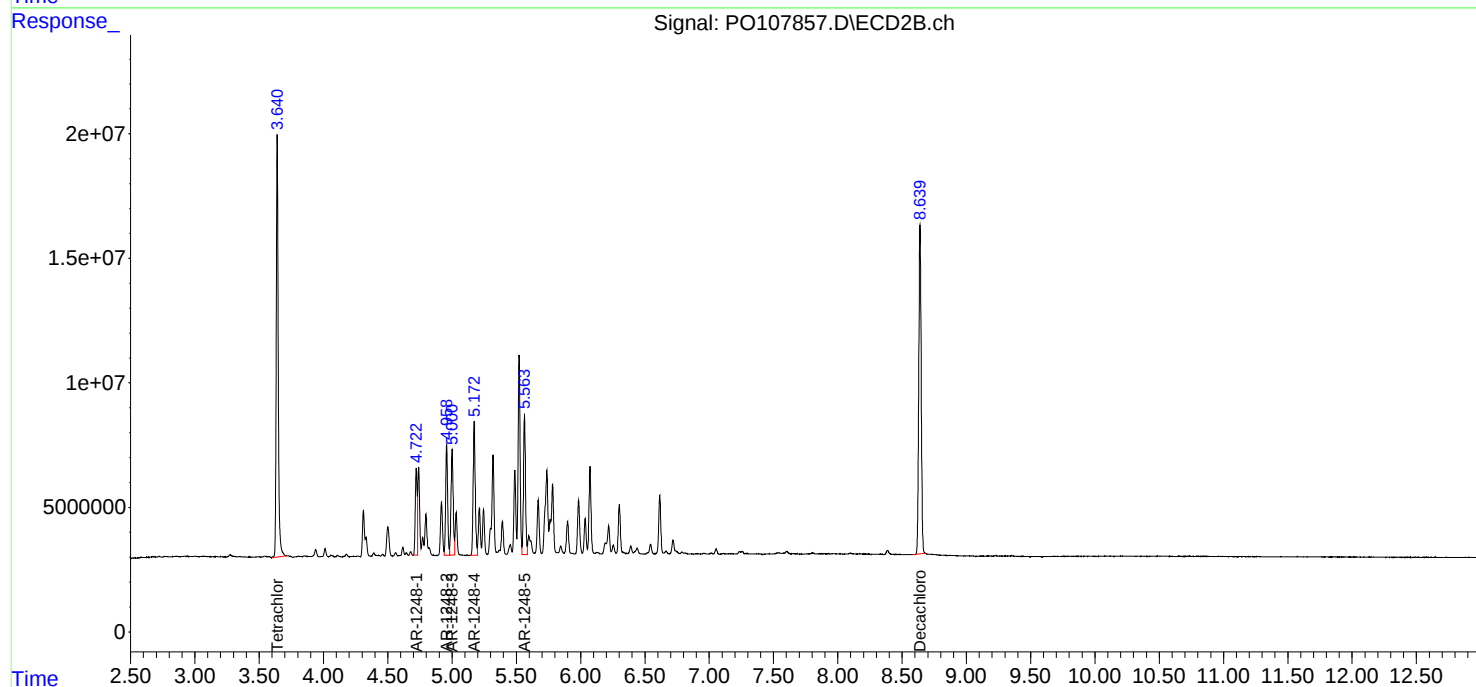
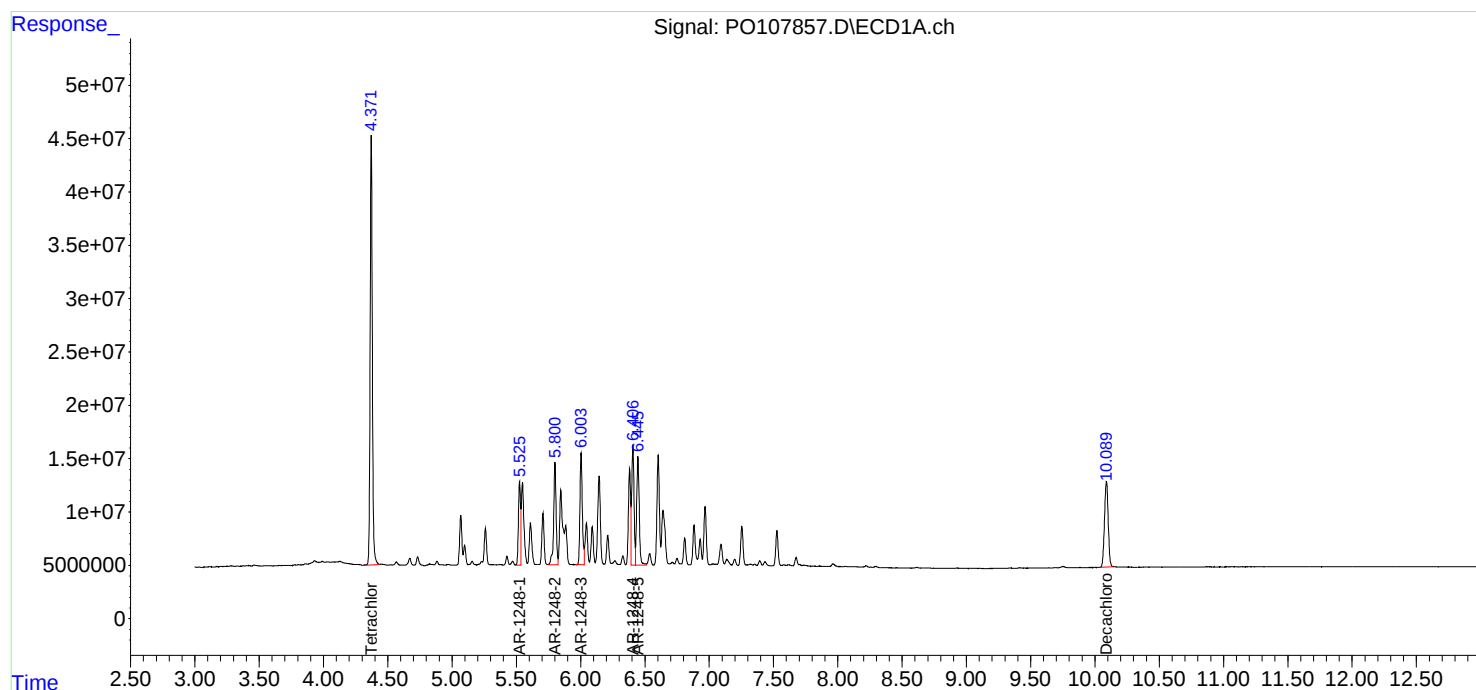
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107857.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 21:18
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 22:54:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 22:52:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107858.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 21:35
 Operator : YP/AJ
 Sample : AR1248ICC250
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 22:54:49 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 22:52:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.374	3.641	237.7E6	88629117	24.809	24.458
2) SA Decachlor...	10.095	8.641	84714325	87222315	26.477	25.245
Target Compounds						
21) L5 AR-1248-1	5.528	4.723	47260592	17212026	261.511	250.096
22) L5 AR-1248-2	5.803	4.959	67414898	24149527	263.822	255.300
23) L5 AR-1248-3	6.007	5.001	70252861	25396365	261.564	254.910
24) L5 AR-1248-4	6.410	5.173	74558249	30707565	262.500	255.179
25) L5 AR-1248-5	6.449	5.564	75513468	30557957	265.741	252.741

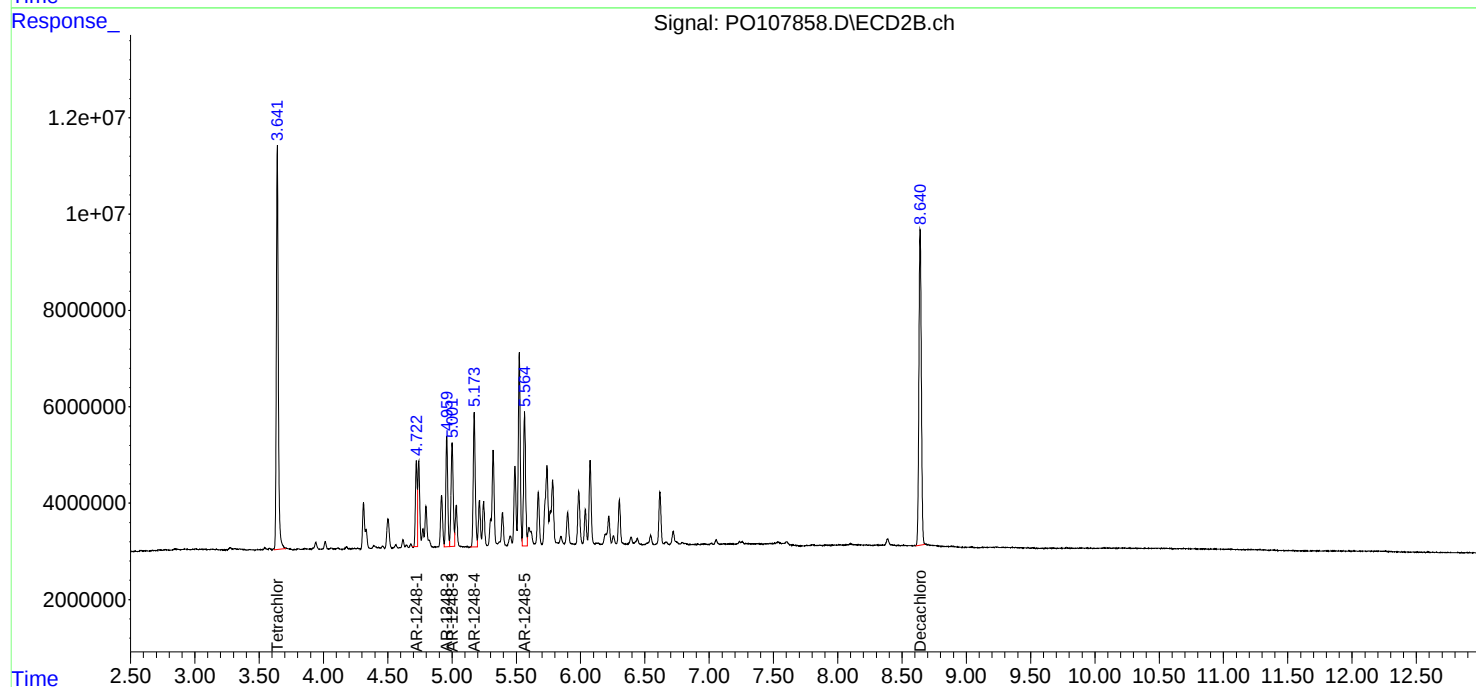
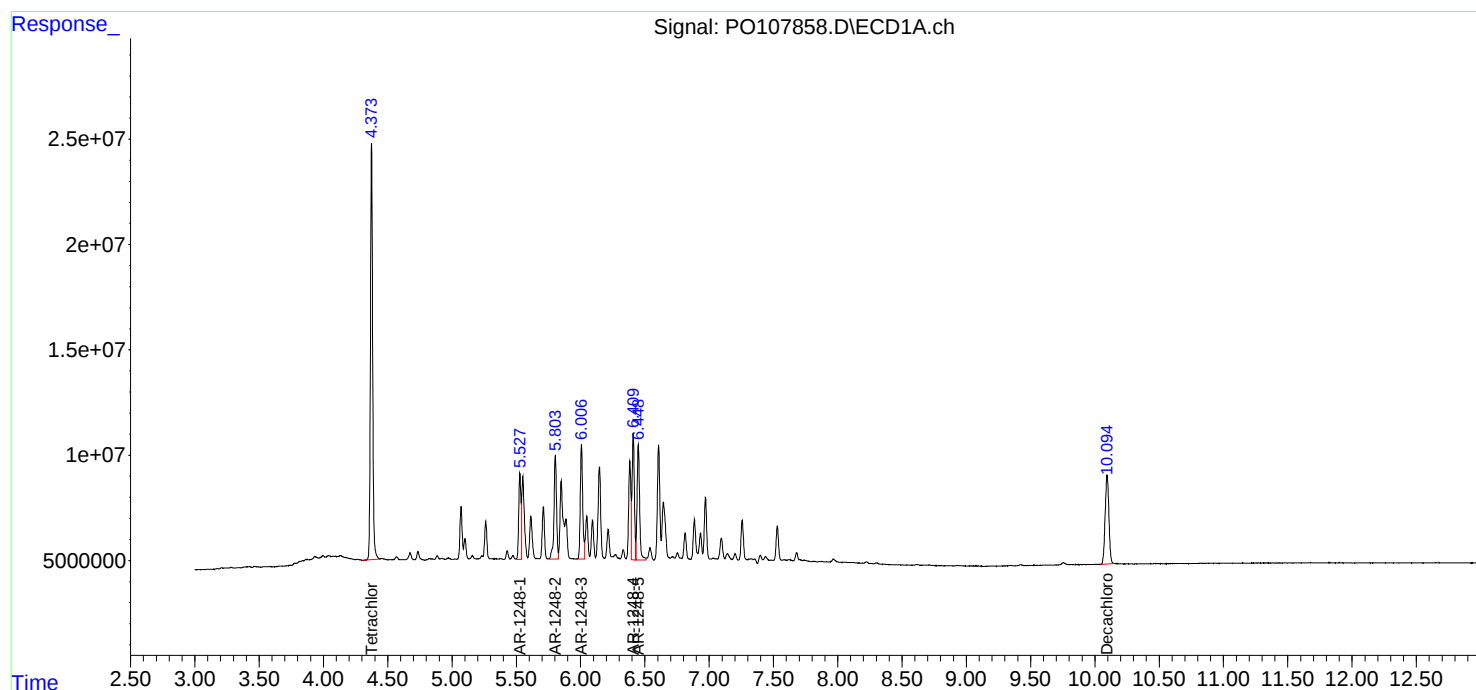
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107858.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 21:35
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 22:54:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 22:52:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107859.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 21:52
 Operator : YP/AJ
 Sample : AR1248ICC050
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 22:55:11 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 22:52:36 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.640	45494911	15447431	4.749	4.263
2) SA Decachlor...	10.092	8.639	16933324	16002716	5.292	4.632
Target Compounds						
21) L5 AR-1248-1	5.527	4.722	9661819	3180735	53.463m	46.217m
22) L5 AR-1248-2	5.802	4.959	12337343	4395959	48.281m	46.472
23) L5 AR-1248-3	6.005	5.001	13282570	4624060	49.453m	46.413
24) L5 AR-1248-4	6.408	5.172	14497920	5427941	51.043m	45.106m
25) L5 AR-1248-5	6.447	5.564	15870302	4915183	55.850m	40.653m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107859.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 21:52
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

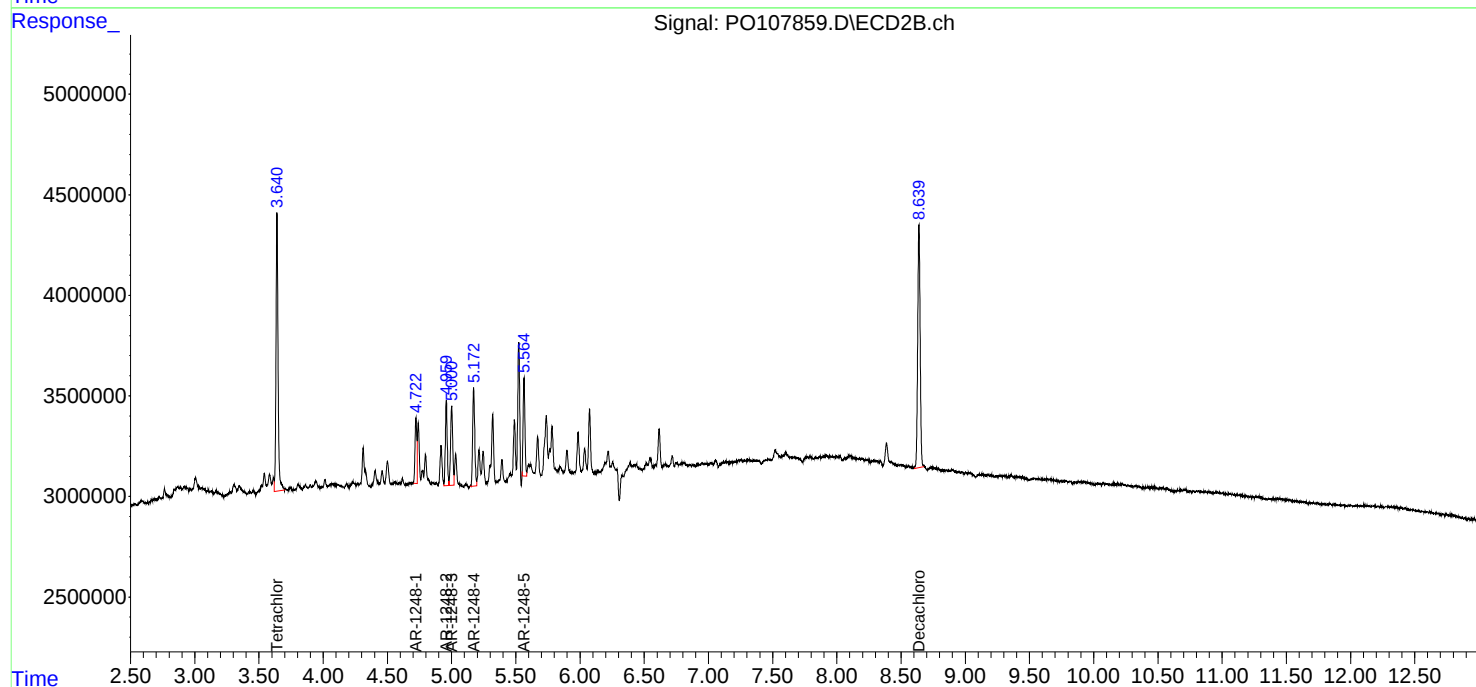
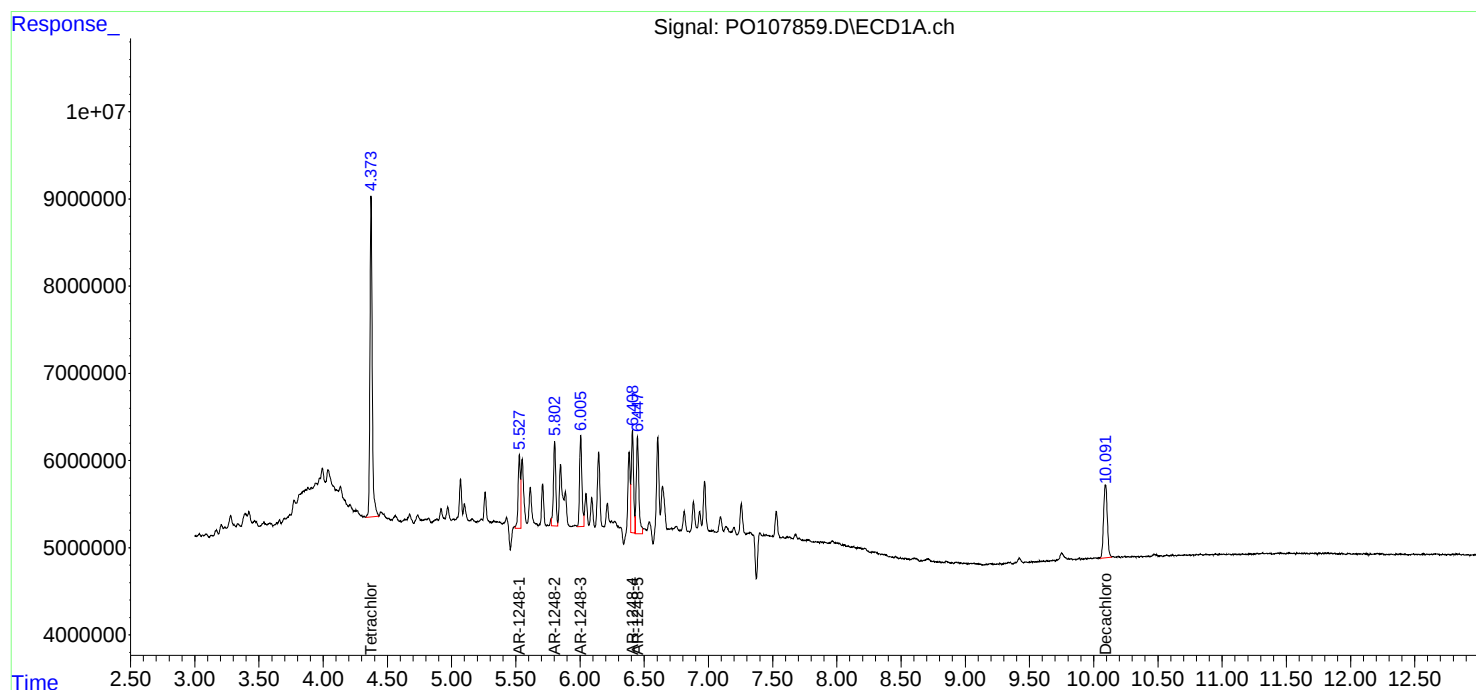
Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 22:55:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 22:52:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107860.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 22:08
 Operator : YP/AJ
 Sample : AR1254ICC1000
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 23:08:47 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 23:05:24 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.640	895.0E6	337.2E6	92.694	92.710
2) SA Decachlor...	10.091	8.638	287.3E6	310.4E6	89.200	90.124
Target Compounds						
26) L6 AR-1254-1	6.383	5.522	252.0E6	157.5E6	874.999	897.580
27) L6 AR-1254-2	6.603	5.670	367.2E6	135.1E6	883.729	883.635
28) L6 AR-1254-3	6.969	6.073	360.8E6	230.4E6	897.288	899.651
29) L6 AR-1254-4	7.255	6.301	253.1E6	139.7E6	898.517	1017.775
30) L6 AR-1254-5	7.677	6.718	249.6E6	205.4E6	897.144	909.477

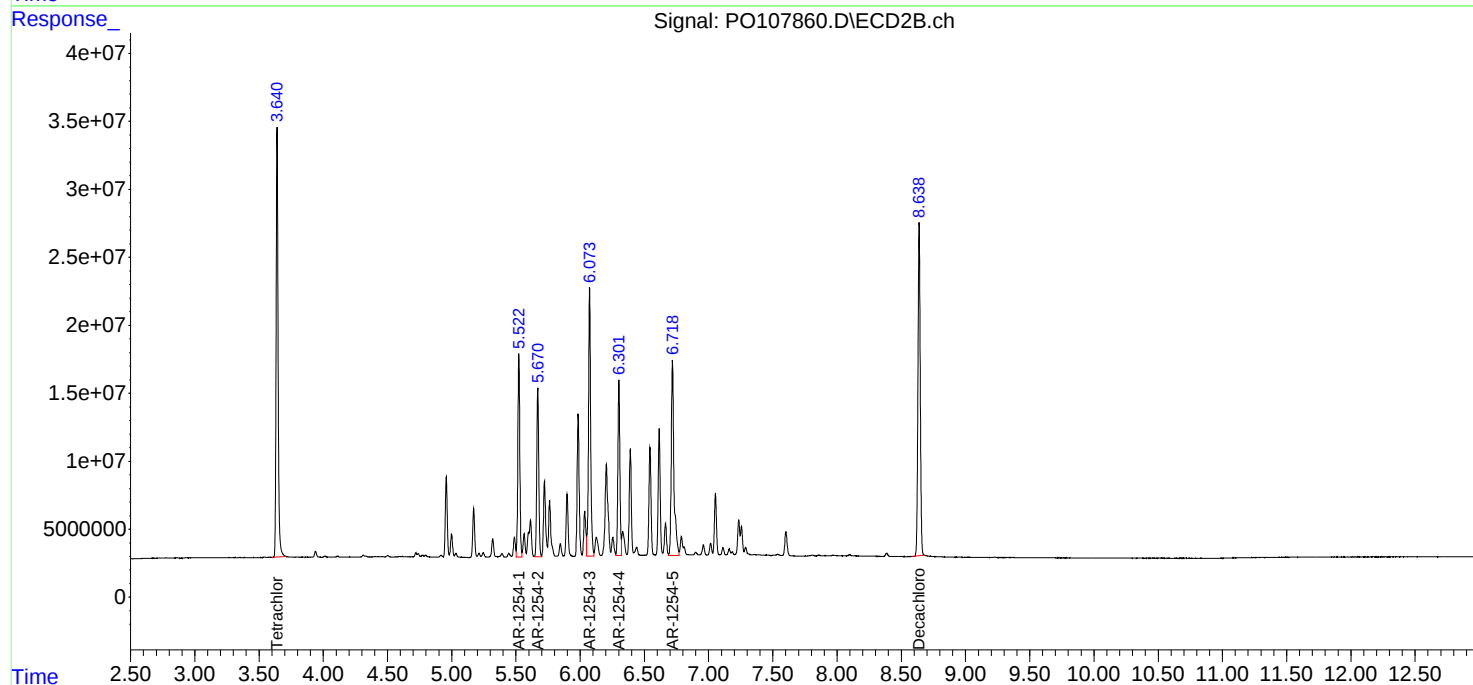
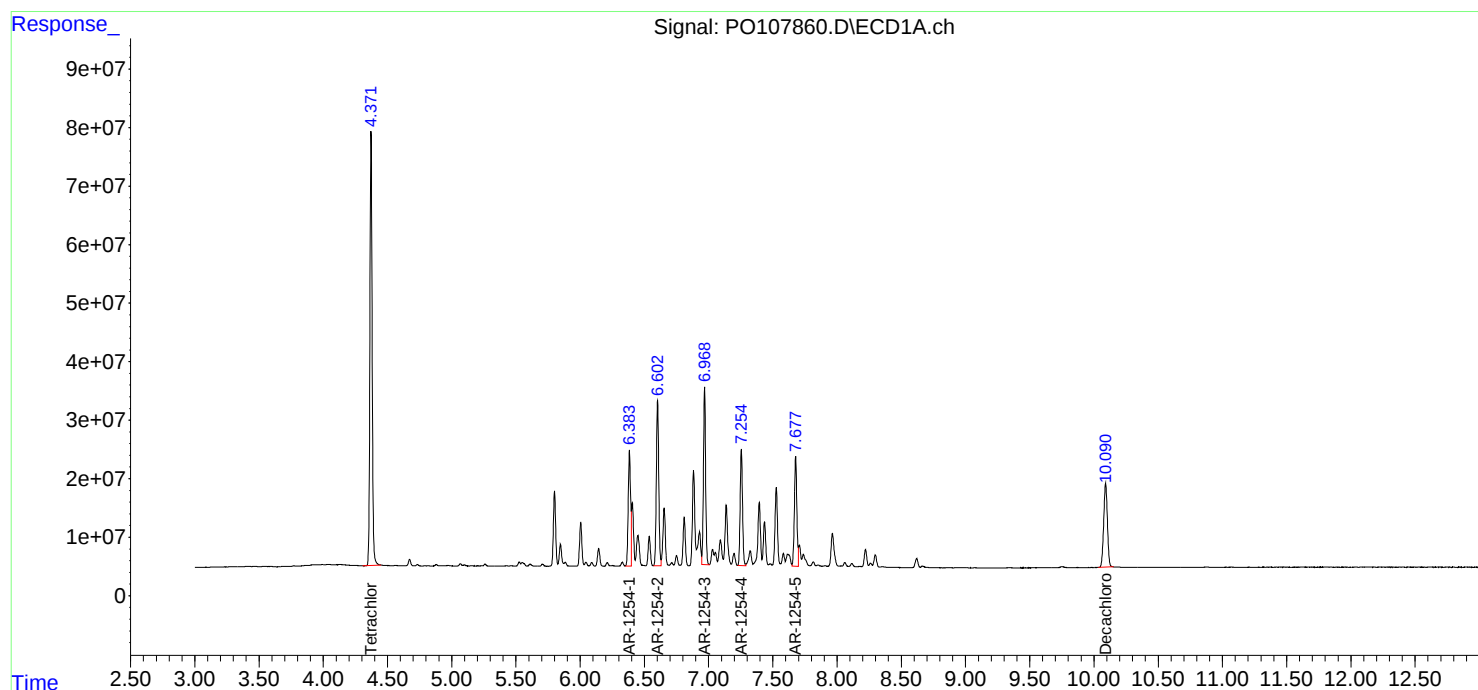
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107860.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 22:08
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:08:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 23:05:24 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107861.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 22:24
 Operator : YP/AJ
 Sample : AR1254ICC750
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 23:09:09 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 23:05:24 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.641	697.0E6	265.8E6	72.182	73.089
2) SA Decachlor...	10.092	8.639	226.1E6	250.0E6	70.181	72.571
Target Compounds						
26) L6 AR-1254-1	6.384	5.523	199.8E6	126.3E6	693.937	719.619
27) L6 AR-1254-2	6.604	5.670	292.5E6	109.7E6	704.053	717.297
28) L6 AR-1254-3	6.969	6.074	288.0E6	185.1E6	716.255	722.846
29) L6 AR-1254-4	7.255	6.301	199.4E6	99435867	708.120	724.349
30) L6 AR-1254-5	7.678	6.719	196.5E6	162.8E6	706.536	721.012

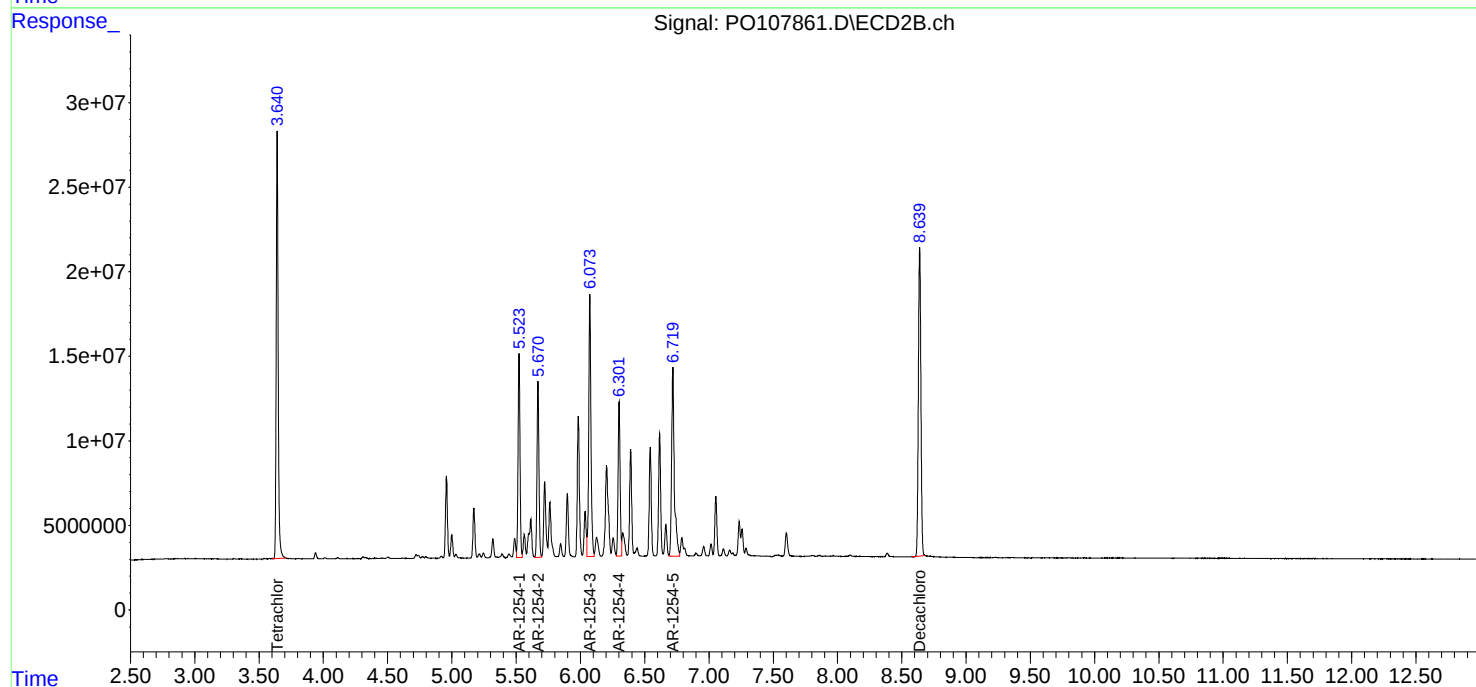
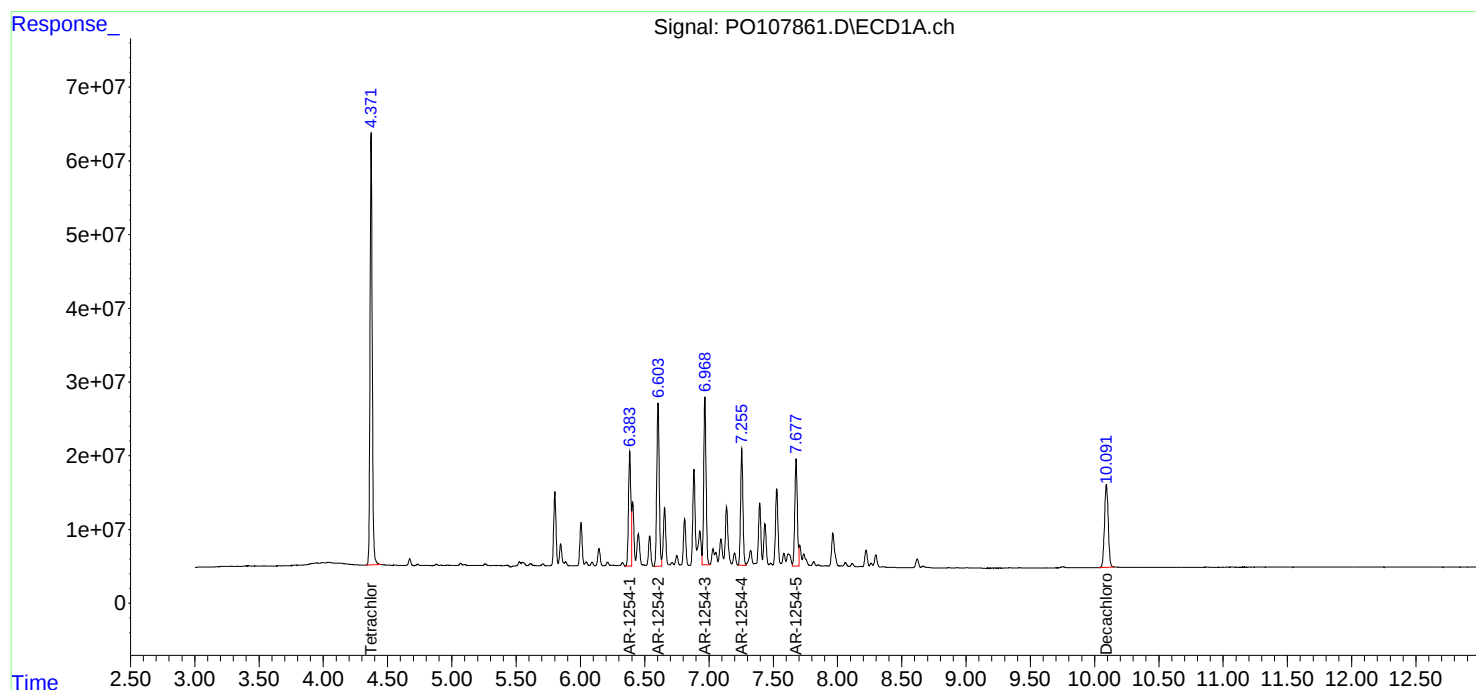
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 22:24
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:09:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 23:05:24 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107862.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 22:41
 Operator : YP/AJ
 Sample : AR1254ICC500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 23:09:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 23:05:24 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.640	482.8E6	181.9E6	50.000	50.000
2) SA Decachlor...	10.091	8.639	161.1E6	172.2E6	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	6.384	5.523	144.0E6	87756286	500.000	500.000
27) L6 AR-1254-2	6.603	5.670	207.7E6	76442476	500.000	500.000
28) L6 AR-1254-3	6.969	6.073	201.1E6	128.0E6	500.000	500.000
29) L6 AR-1254-4	7.255	6.301	140.8E6	68638083	500.000	500.000
30) L6 AR-1254-5	7.677	6.719	139.1E6	112.9E6	500.000	500.000

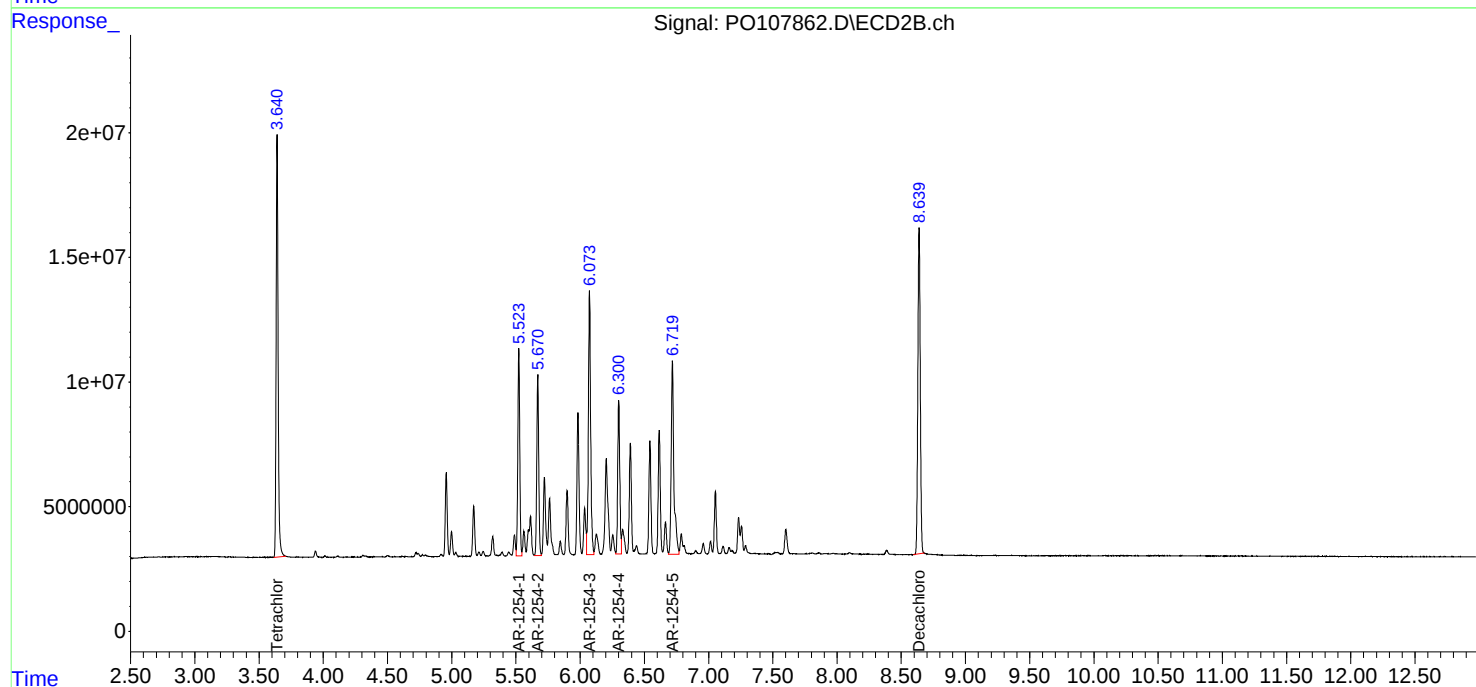
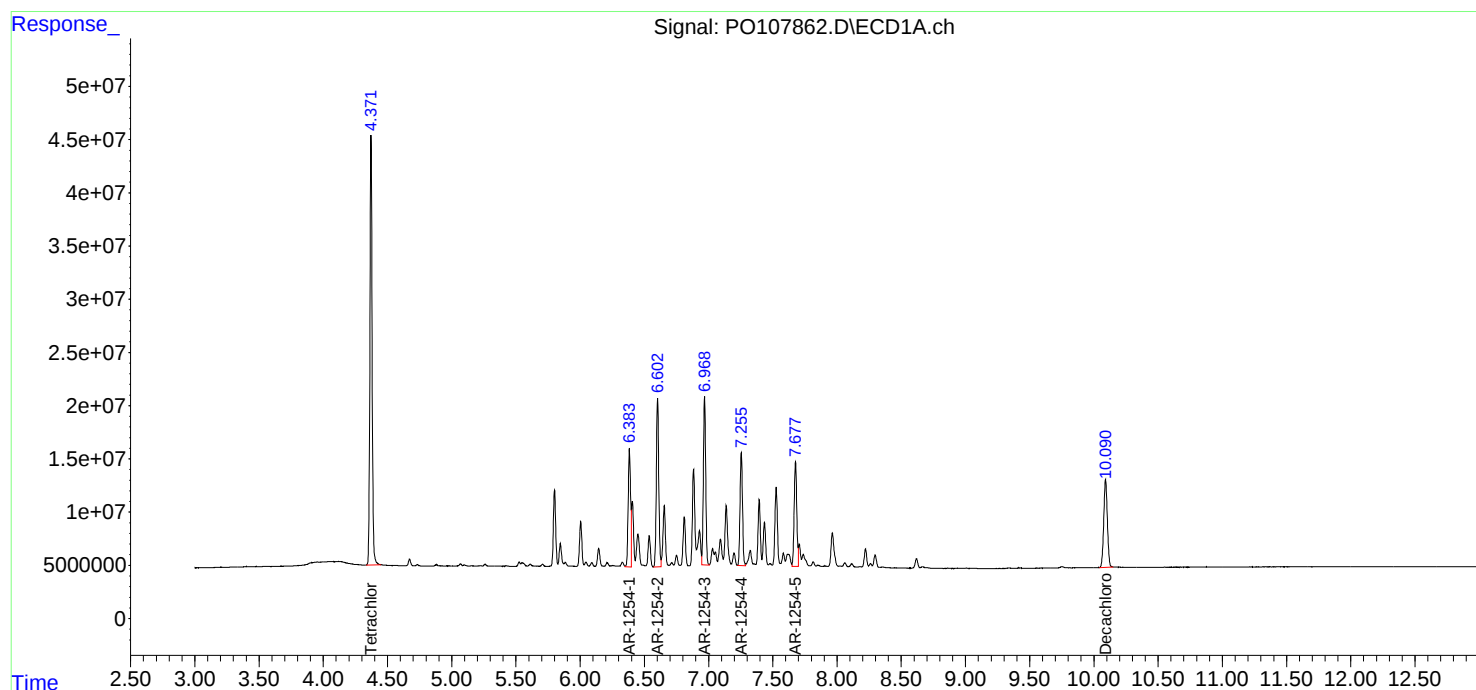
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107862.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 22:41
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:09:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 23:05:24 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107863.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 22:57
 Operator : YP/AJ
 Sample : AR1254ICC250
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 23:09:52 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 23:05:24 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.371	3.640	242.8E6	88601481	25.146	24.361
2) SA Decachlor...	10.090	8.639	85680337	87828039	26.601	25.500
Target Compounds						
26) L6 AR-1254-1	6.383	5.523	77754946	44080812	270.026	251.155
27) L6 AR-1254-2	6.603	5.670	109.7E6	38928500	264.025	254.626
28) L6 AR-1254-3	6.968	6.073	105.9E6	63972172	263.238	249.825
29) L6 AR-1254-4	7.255	6.300	75144231	34871523	266.796	254.025
30) L6 AR-1254-5	7.676	6.718	74058068	56534269	266.217	250.382

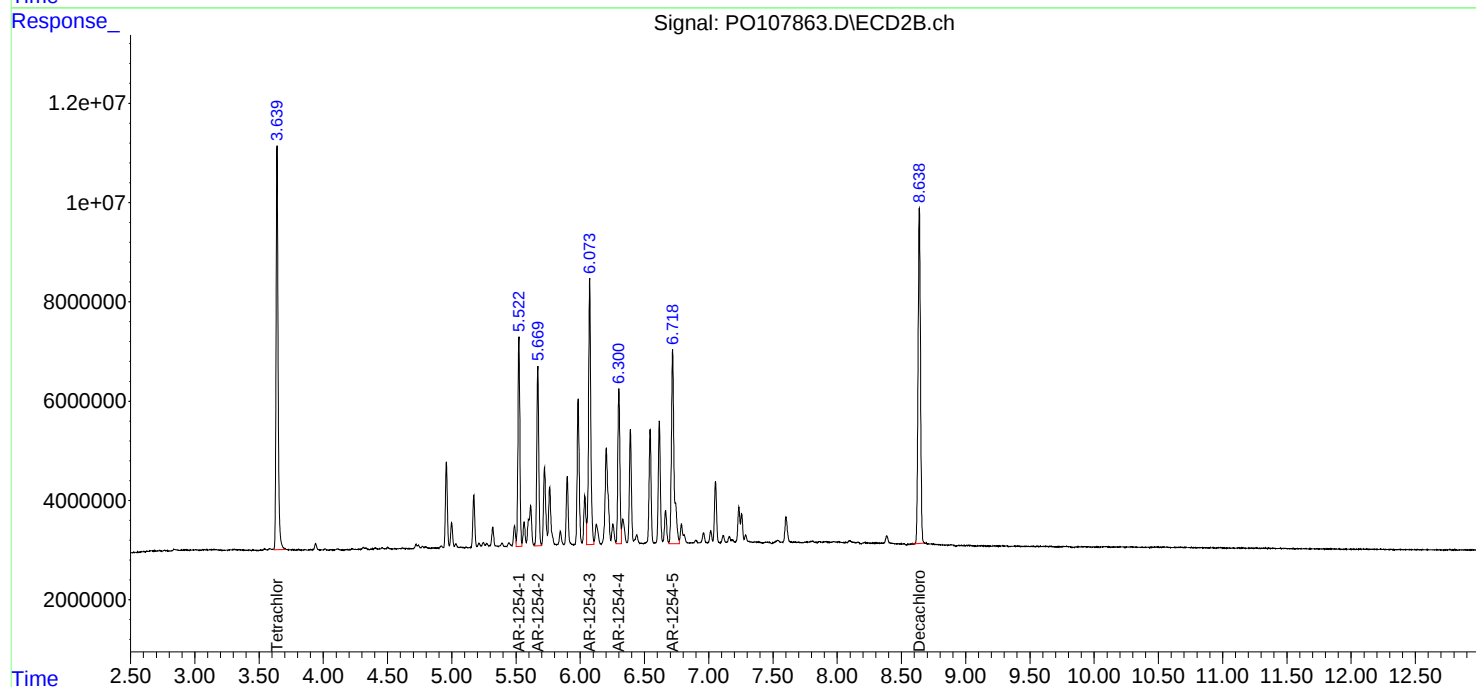
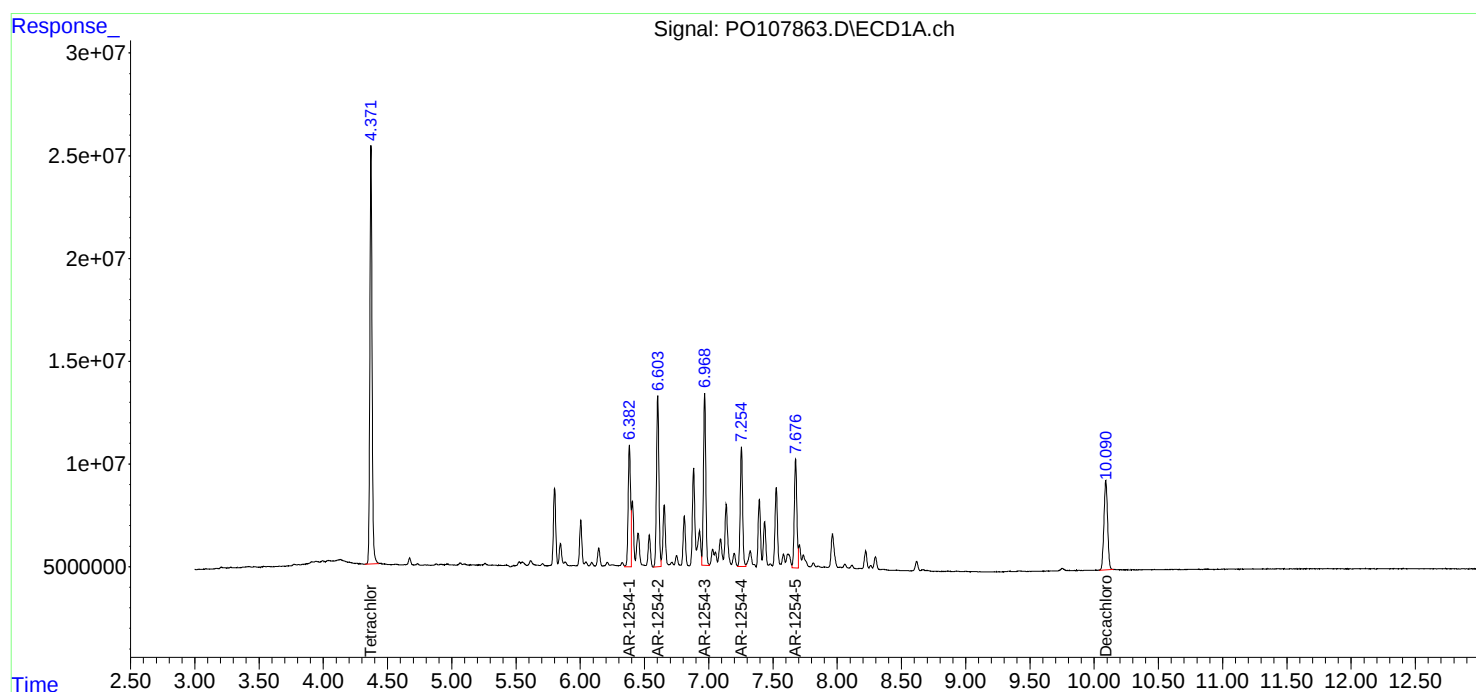
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107863.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 22:57
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:09:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 23:05:24 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107864.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 23:13
 Operator : YP/AJ
 Sample : AR1254ICC050
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 11 23:58:27 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 11 23:05:24 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.371	3.640	44119037	15597349	4.692	4.426
2) SA Decachlor...	10.090	8.639	16713278	16032260	5.333	4.788
Target Compounds						
26) L6 AR-1254-1	6.383	5.523	14767269	8311800	52.865m	49.053
27) L6 AR-1254-2	6.603	5.670	23600764	8106603	58.584	54.968
28) L6 AR-1254-3	6.968	6.074	19067589	12450844	48.567m	50.351
29) L6 AR-1254-4	7.254	6.300	15415708	5086818	55.995m	37.058 #
30) L6 AR-1254-5	7.676	6.719	12517339	9015454	46.102m	41.244

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107864.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 23:13
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

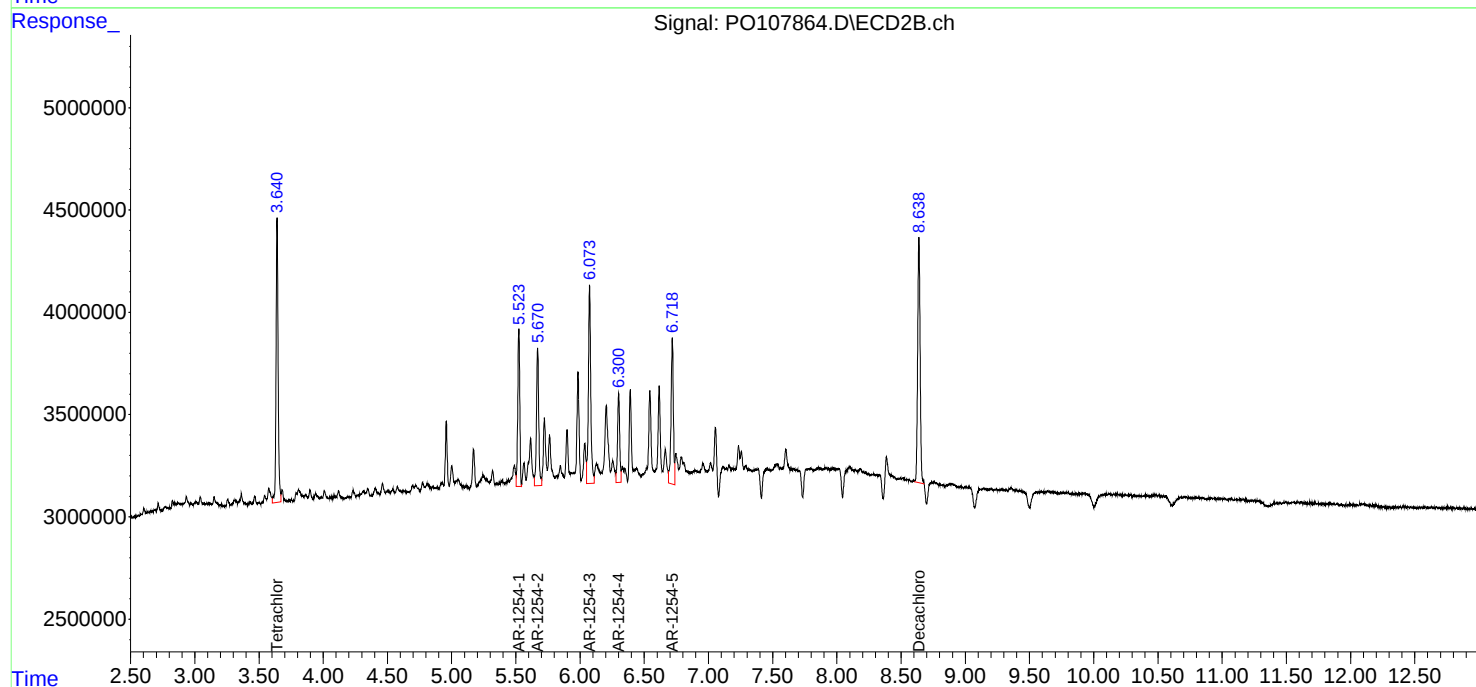
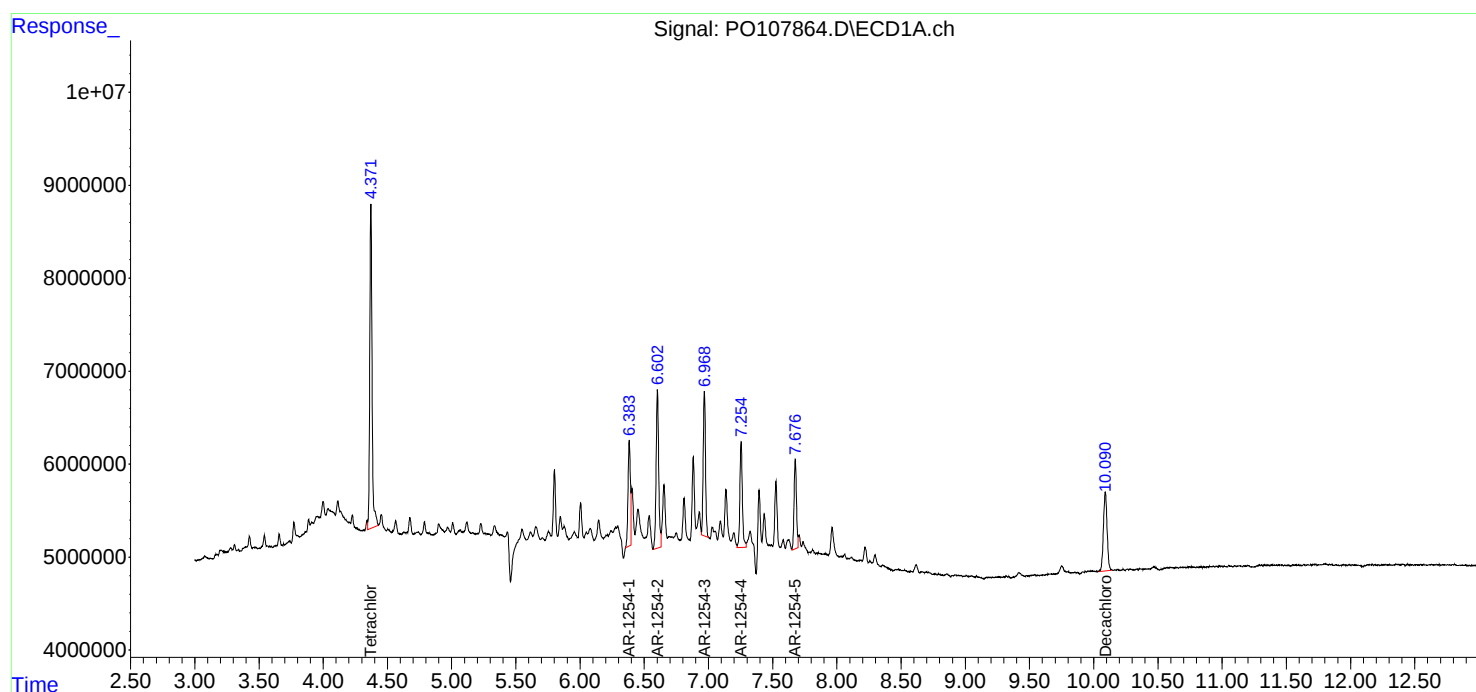
Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:58:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 11 23:05:24 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107865.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 23:29
 Operator : YP/AJ
 Sample : AR1262ICC500
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1262ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 00:09:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 00:08:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.640	447.3E6	169.9E6	50.000	50.000
2) SA Decachlor...	10.090	8.638	153.0E6	163.9E6	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	7.757	6.756	167.0E6	111.1E6	500.000	500.000
37) L8 AR-1262-2	8.298	7.257	226.0E6	206.6E6	500.000	500.000
38) L8 AR-1262-3	8.613	7.540	145.2E6	80555754	500.000	500.000
39) L8 AR-1262-4	8.698	7.604	112.8E6	153.6E6	500.000	500.000
40) L8 AR-1262-5	9.340	8.097	72845701	71112363	500.000	500.000

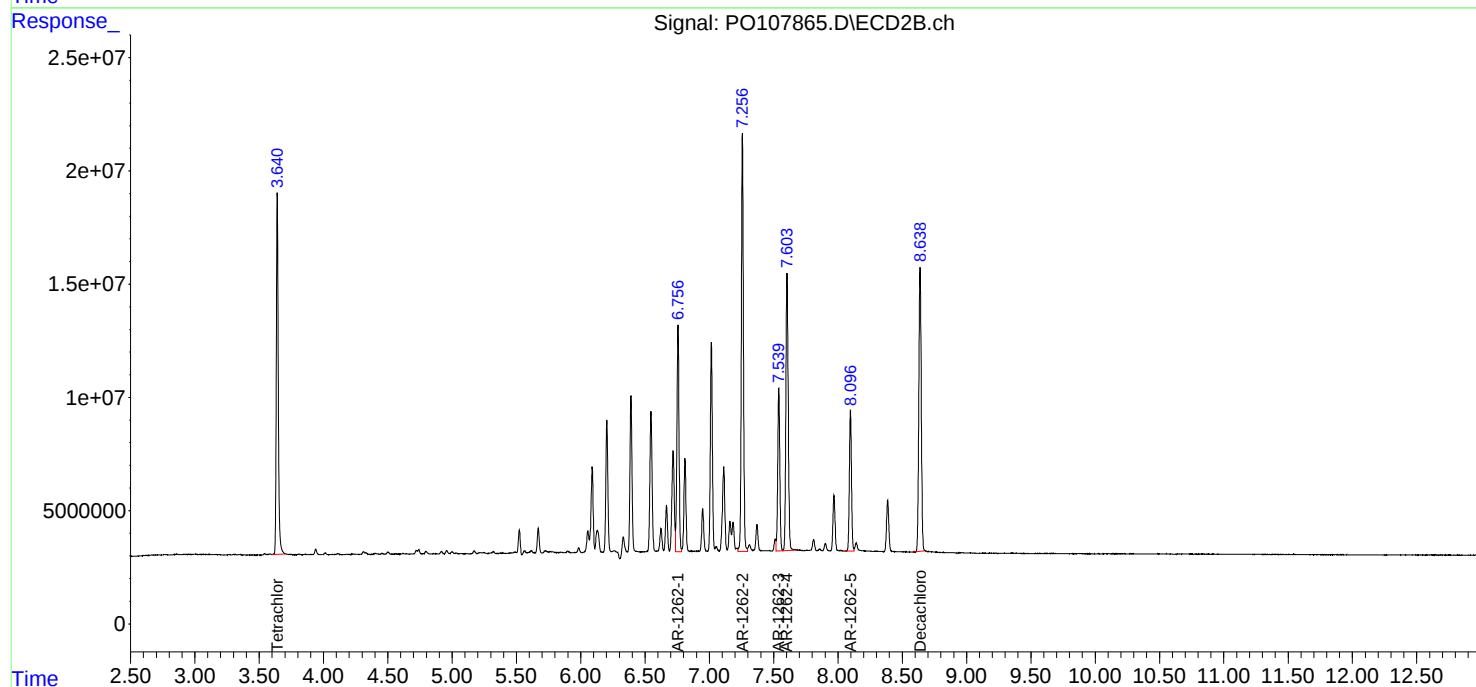
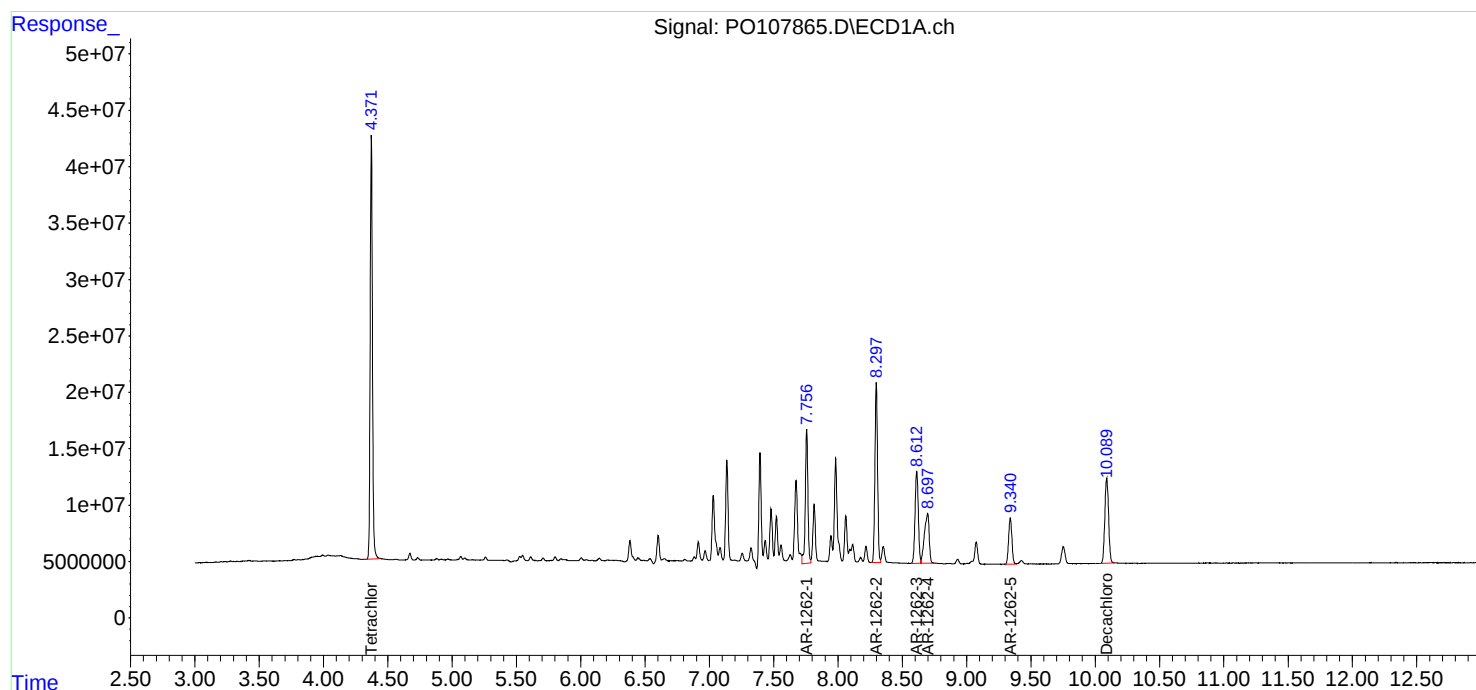
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107865.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 23:29
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:09:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 00:08:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107866.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2024 23:46
 Operator : YP/AJ
 Sample : AR1268ICC1000
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC1000

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 01:03:18 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 00:33:13 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
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System Monitoring Compounds

1) SA Tetrachlo...	4.372	3.640	896.8E6	346.4E6	96.748	99.415
2) SA Decachlor...	10.089	8.637	476.8E6	565.7E6	93.119	98.647

Target Compounds

41) L9 AR-1268-1	8.608	7.540	456.6E6	473.5E6	940.124	990.506m
42) L9 AR-1268-2	8.699	7.604	413.1E6	445.2E6	943.715	996.484
43) L9 AR-1268-3	8.930	7.810	335.2E6	373.7E6	939.279	996.759
44) L9 AR-1268-4	9.339	8.097	148.6E6	153.7E6	936.994	981.353
45) L9 AR-1268-5	9.751	8.385	979.4E6	1263.8E6	957.472	1005.746

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 23:46
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

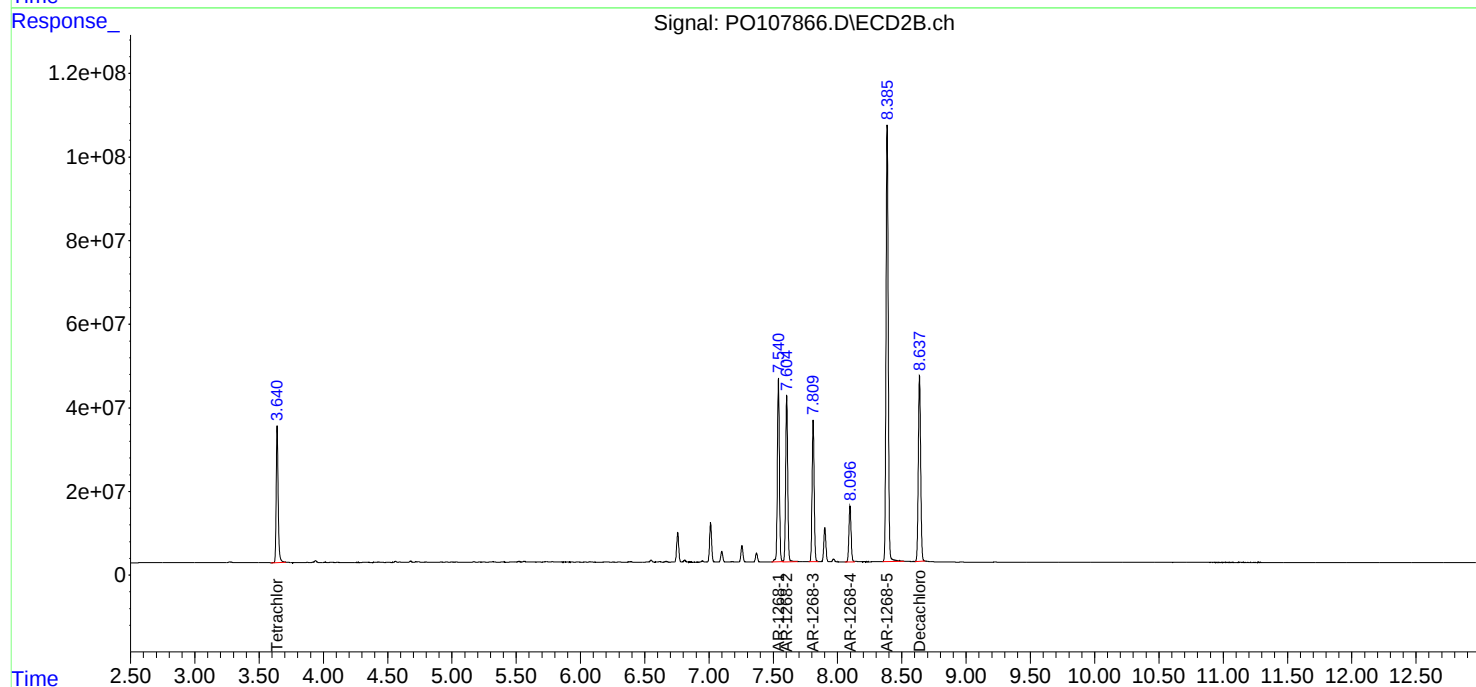
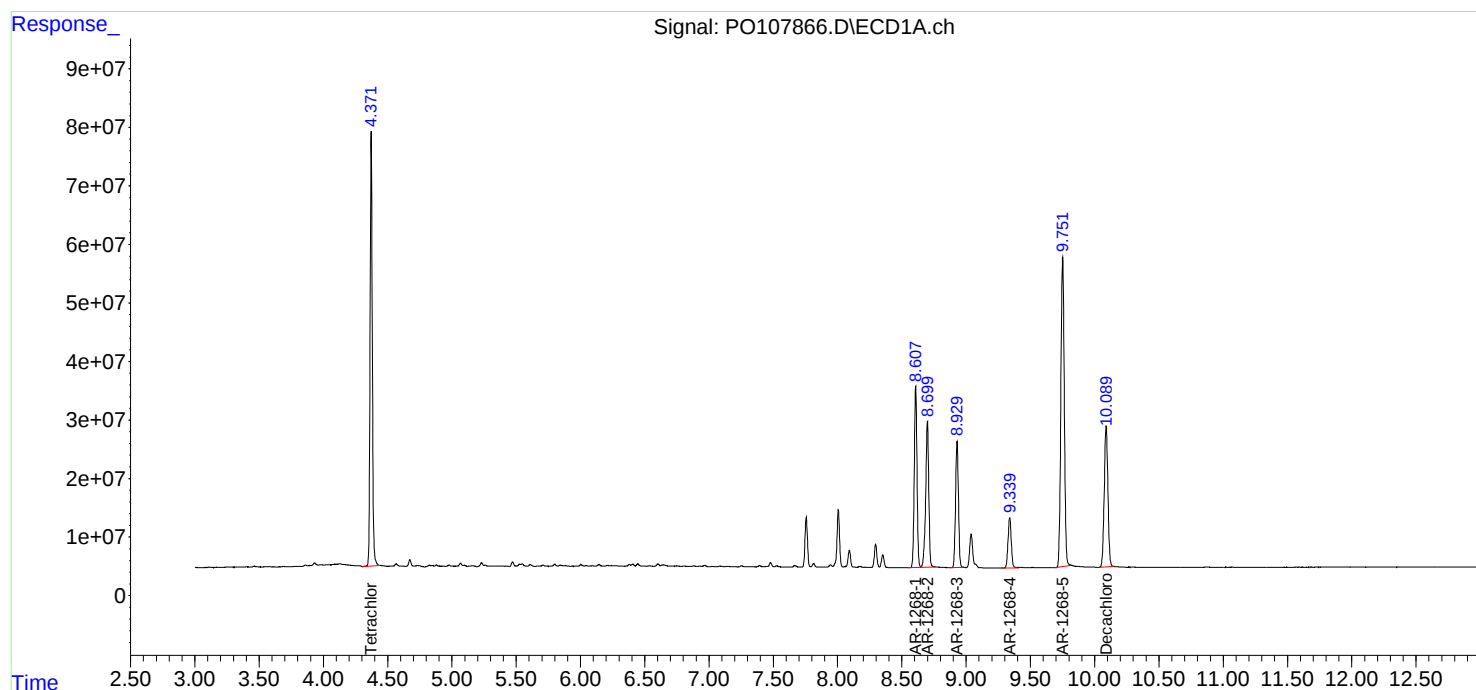
Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 01:03:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 00:33:13 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107867.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Nov 2024 00:02
 Operator : YP/AJ
 Sample : AR1268ICC750
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC750

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 01:03:43 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 00:33:13 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.640	677.9E6	259.9E6	73.140	74.579
2) SA Decachlor...	10.090	8.638	368.8E6	424.8E6	72.022	74.066
Target Compounds						
41) L9 AR-1268-1	8.608	7.539	351.4E6	355.5E6	723.556	743.715m
42) L9 AR-1268-2	8.700	7.604	318.1E6	332.9E6	726.802	745.026
43) L9 AR-1268-3	8.930	7.810	257.5E6	278.8E6	721.493	743.605
44) L9 AR-1268-4	9.340	8.097	115.1E6	115.2E6	725.735	735.724
45) L9 AR-1268-5	9.752	8.385	745.0E6	940.2E6	728.359	748.280

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107867.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 00:02
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

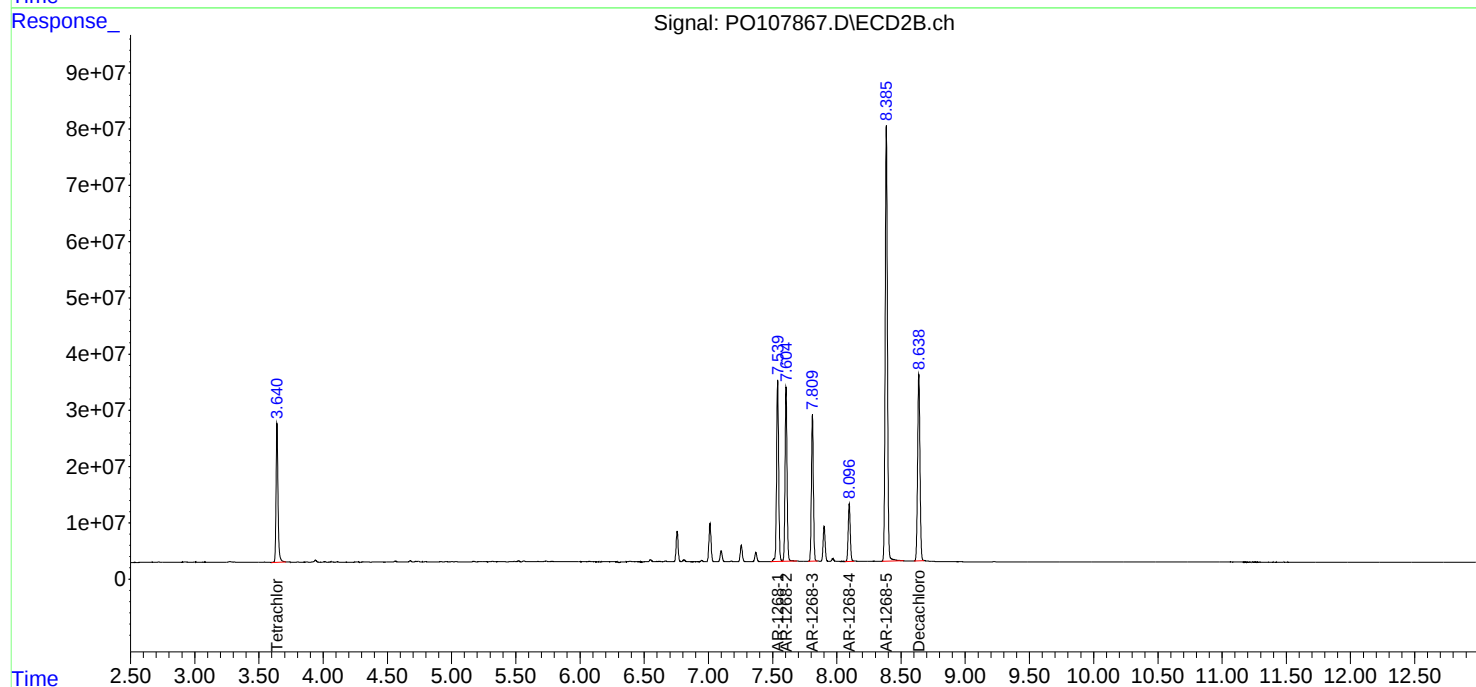
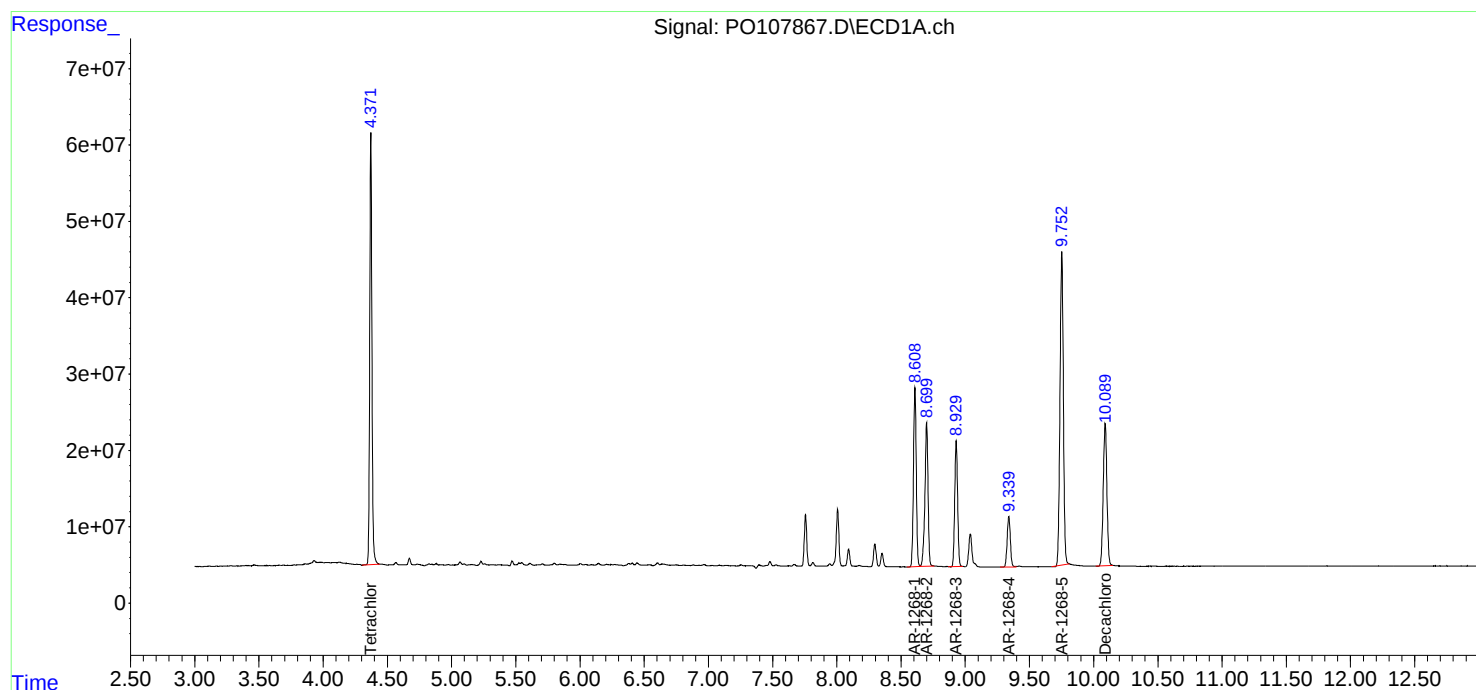
Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 01:03:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 00:33:13 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107868.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Nov 2024 00:18
 Operator : YP/AJ
 Sample : AR1268ICC500
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 01:04:14 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 00:33:13 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.372	3.641	463.5E6	174.2E6	50.000	50.000
2) SA Decachlor...	10.091	8.639	256.0E6	286.8E6	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	8.610	7.539	242.8E6	239.1E6	500.000	500.174m
42) L9 AR-1268-2	8.701	7.605	218.9E6	223.4E6	500.000	500.000
43) L9 AR-1268-3	8.931	7.811	178.4E6	187.5E6	500.000	500.000
44) L9 AR-1268-4	9.340	8.097	79273063	78312114	500.000	500.000
45) L9 AR-1268-5	9.754	8.386	511.5E6	628.3E6	500.000	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107868.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 00:18
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

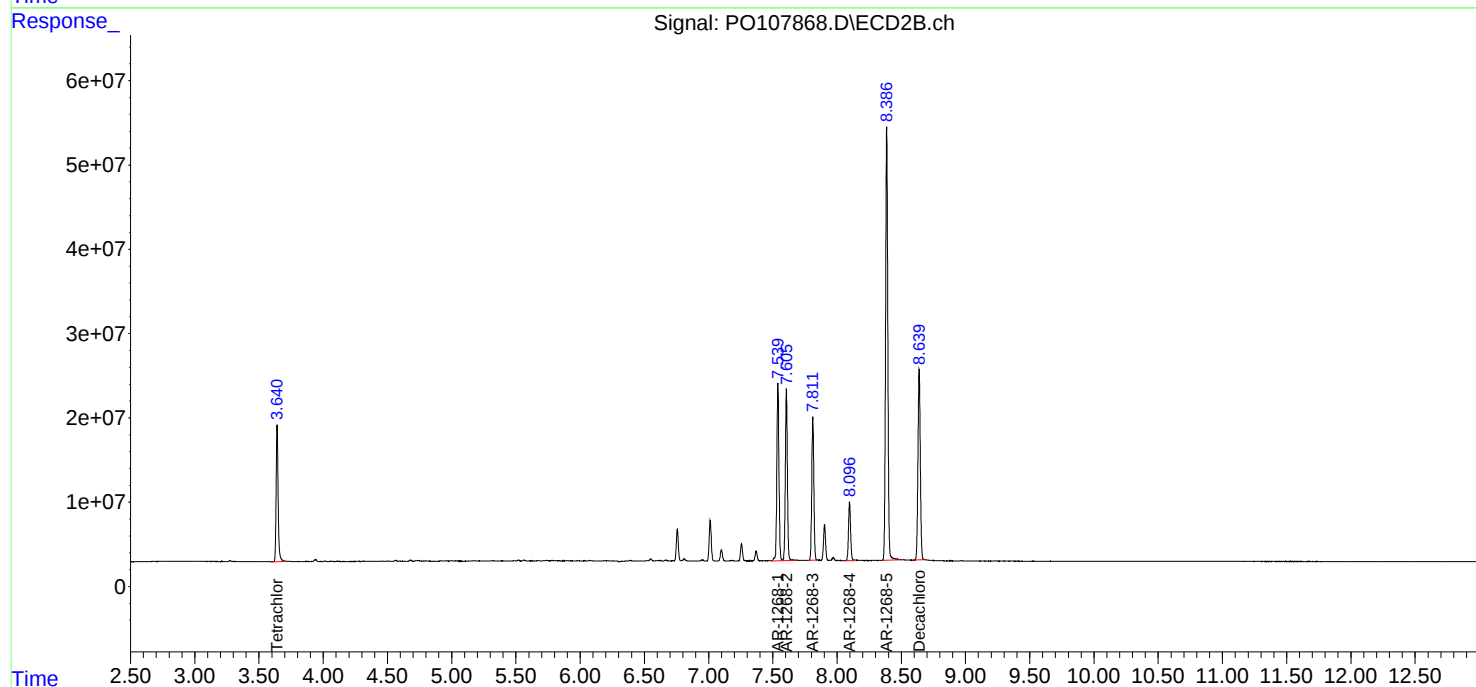
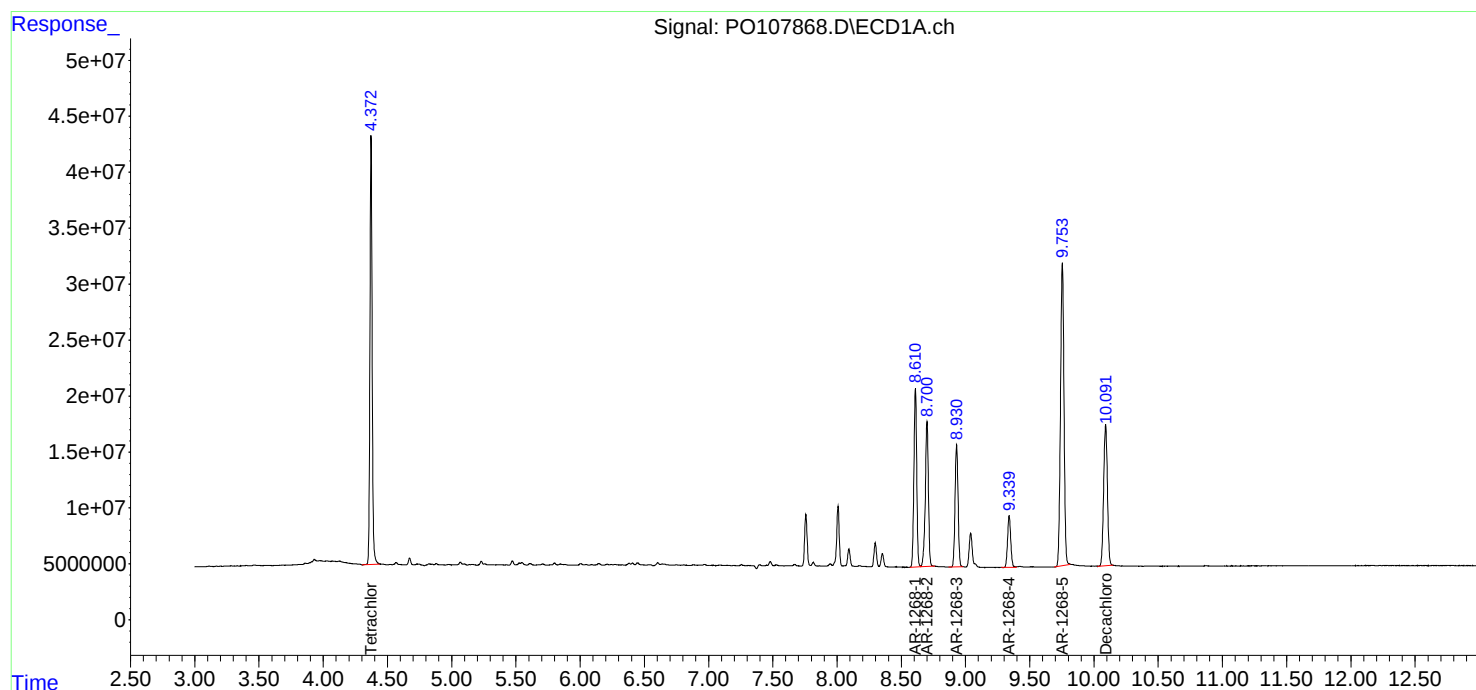
Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 01:04:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 00:33:13 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107869.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Nov 2024 00:35
 Operator : YP/AJ
 Sample : AR1268ICC250
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC250

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 01:04:48 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 00:33:13 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.374	3.640	240.0E6	86543883	25.894	24.836
2) SA Decachlor...	10.094	8.639	139.6E6	146.2E6	27.267	25.489
Target Compounds						
41) L9 AR-1268-1	8.611	7.540	131.1E6	120.4E6	270.029	251.915m
42) L9 AR-1268-2	8.702	7.605	118.6E6	112.0E6	271.025	250.725
43) L9 AR-1268-3	8.934	7.811	96697970	93947572	270.977	250.552
44) L9 AR-1268-4	9.342	8.098	43057881	39979536	271.580	255.258
45) L9 AR-1268-5	9.756	8.386	271.2E6	311.9E6	265.133	248.192

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107869.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 00:35
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

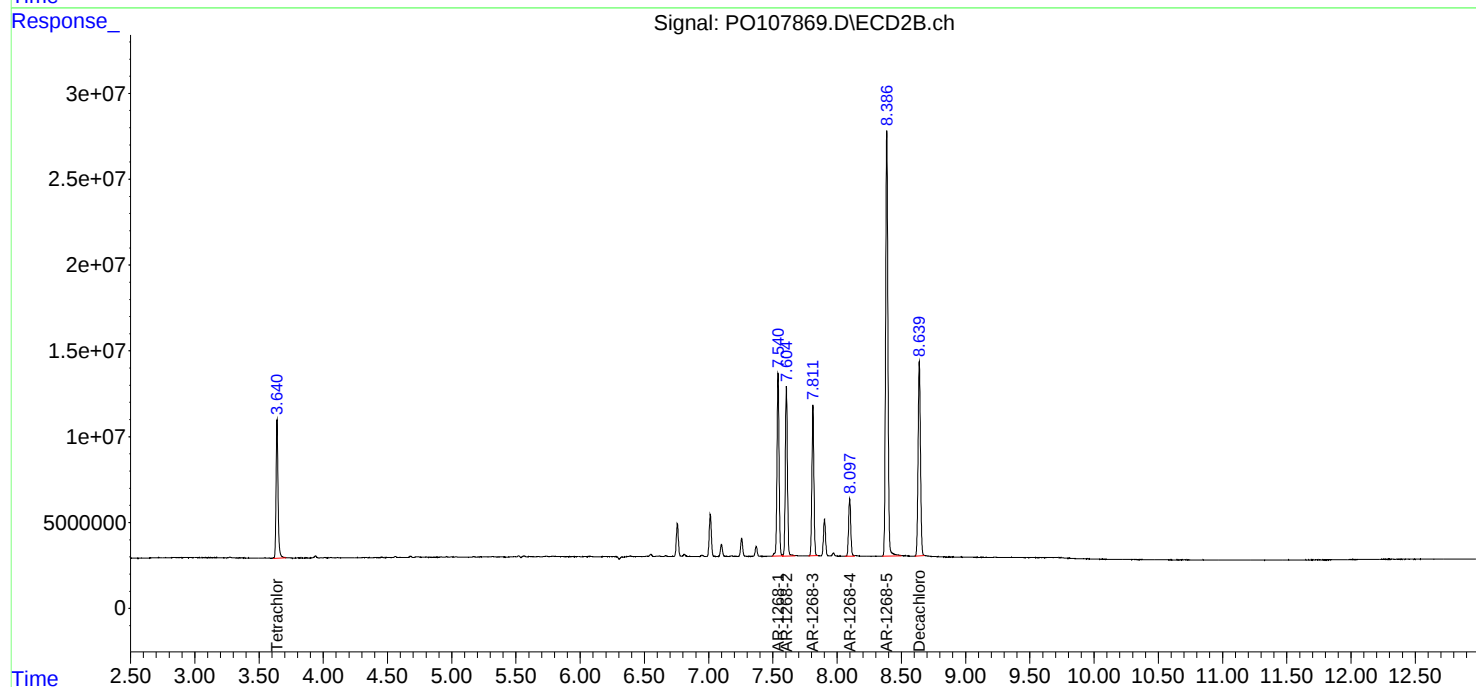
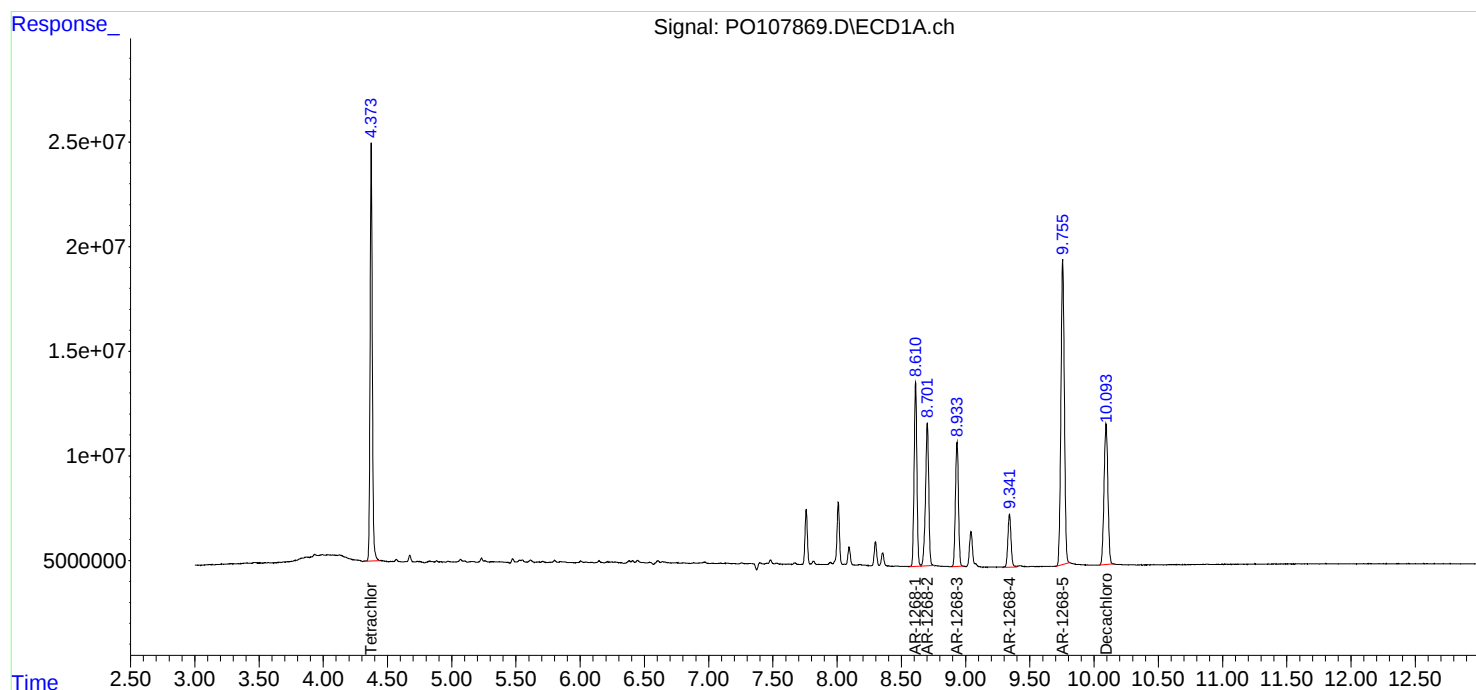
Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 01:04:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 00:33:13 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107870.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Nov 2024 00:52
 Operator : YP/AJ
 Sample : AR1268ICC050
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 01:12:00 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 00:33:13 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.373	3.641	45337913	15537453	4.918	4.479
2) SA Decachlor...	10.093	8.640	27476541	26677054	5.390	4.659
Target Compounds						
41) L9 AR-1268-1	8.610	7.541	26278171	22754200	54.315	47.718
42) L9 AR-1268-2	8.703	7.605	23596092	20085435	53.948	45.034
43) L9 AR-1268-3	8.932	7.811	18519893	16586559	52.091	44.341
44) L9 AR-1268-4	9.342	8.098	8166356	7492883	51.624	48.040
45) L9 AR-1268-5	9.755	8.387	54266757	55190519	53.196	43.964

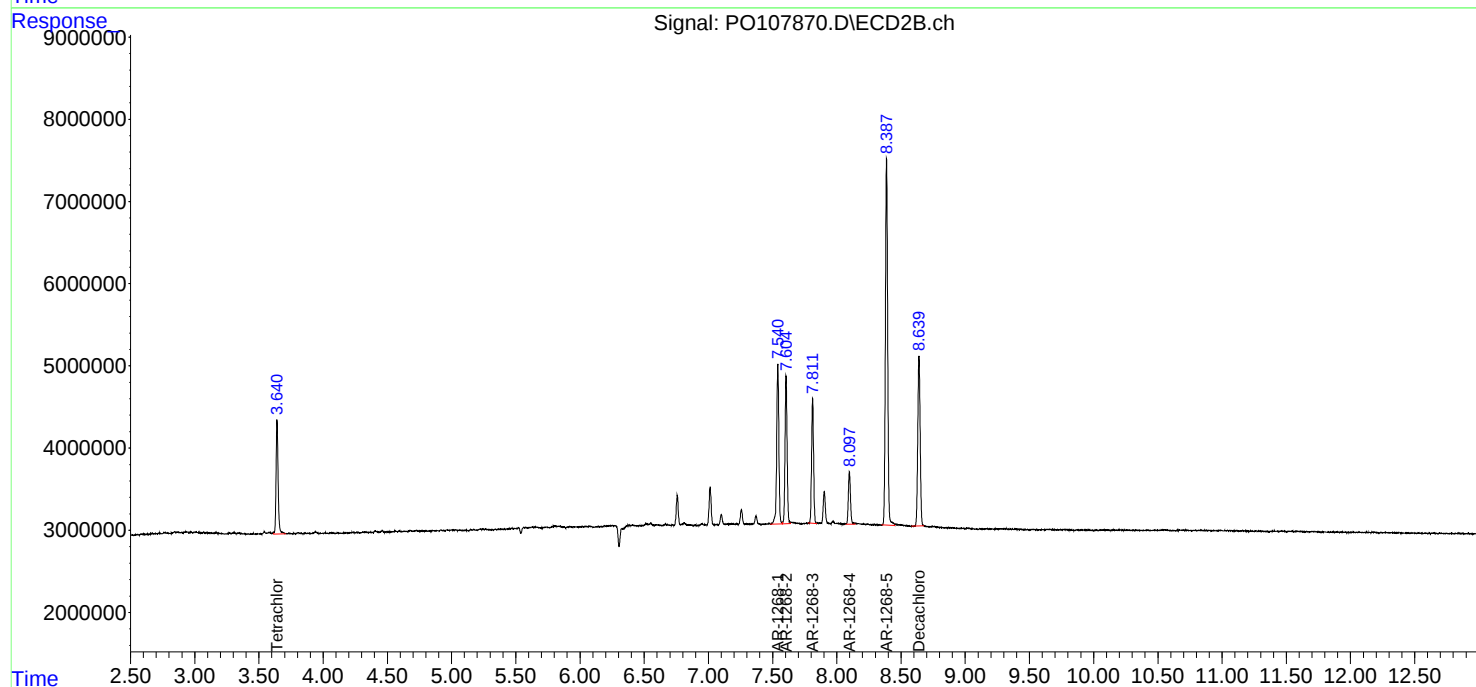
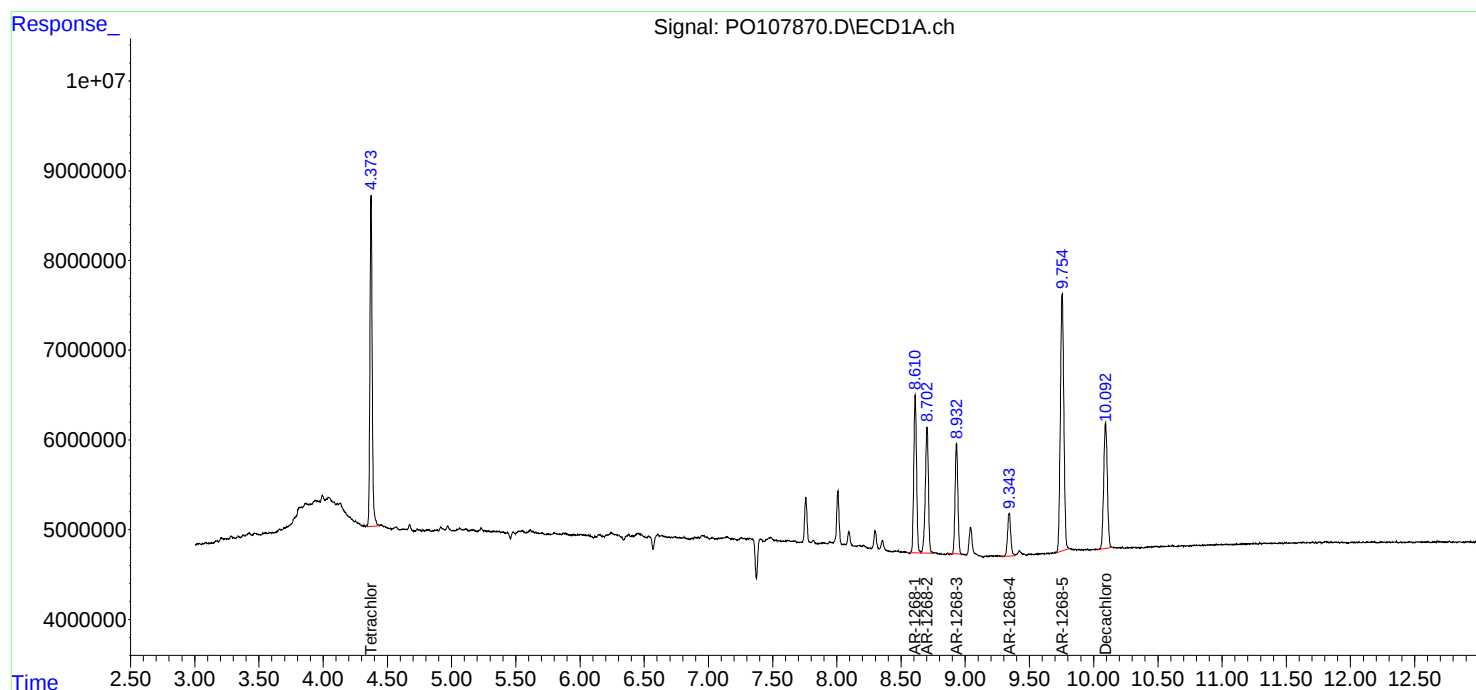
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107870.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 00:52
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 01:12:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 00:33:13 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
 Data File : PO107871.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Nov 2024 01:08
 Operator : YP/AJ
 Sample : PO111124ICV500
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO111124

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 01:24:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.372	3.640	466.6E6	173.4E6	51.985	51.635
2) SA Decachlor...	10.090	8.638	154.8E6	160.1E6	52.234	50.687
Target Compounds						
3) L1 AR-1016-1	5.526	4.722	139.1E6	53784511	519.402	506.878
4) L1 AR-1016-2	5.549	4.741	201.7E6	76162355	519.214	513.146
5) L1 AR-1016-3	5.611	4.917	127.1E6	41082602	511.417	514.617
6) L1 AR-1016-4	5.708	4.958	102.5E6	32083864	525.924	519.740
7) L1 AR-1016-5	6.004	5.172	98550118	43055474	531.535	515.881
31) L7 AR-1260-1	7.136	6.203	156.7E6	78468442	545.604	509.291
32) L7 AR-1260-2	7.394	6.391	159.0E6	94693943	537.528	504.592
33) L7 AR-1260-3	7.758	6.544	120.0E6	89185612	522.195	507.958
34) L7 AR-1260-4	7.983	7.016	119.3E6	76996723	501.872	513.856
35) L7 AR-1260-5	8.298	7.257	202.9E6	187.1E6	525.483	513.906

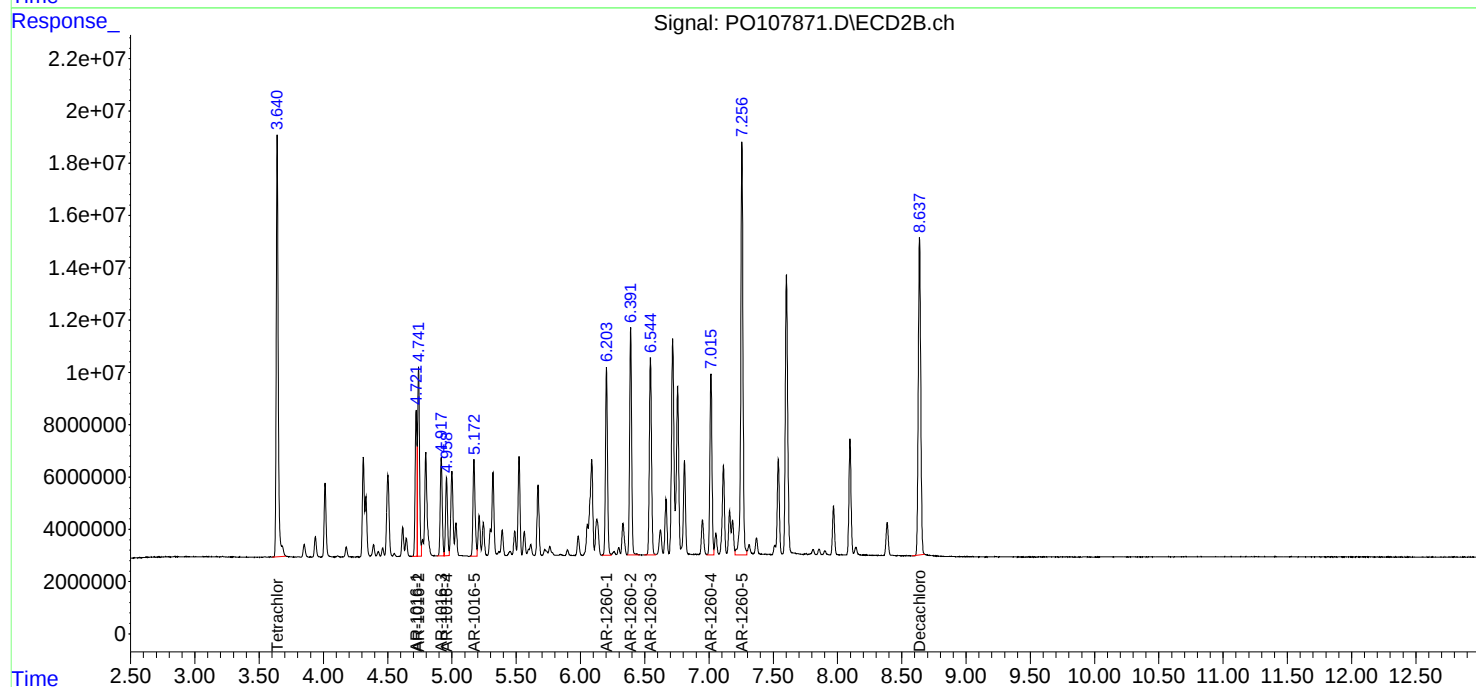
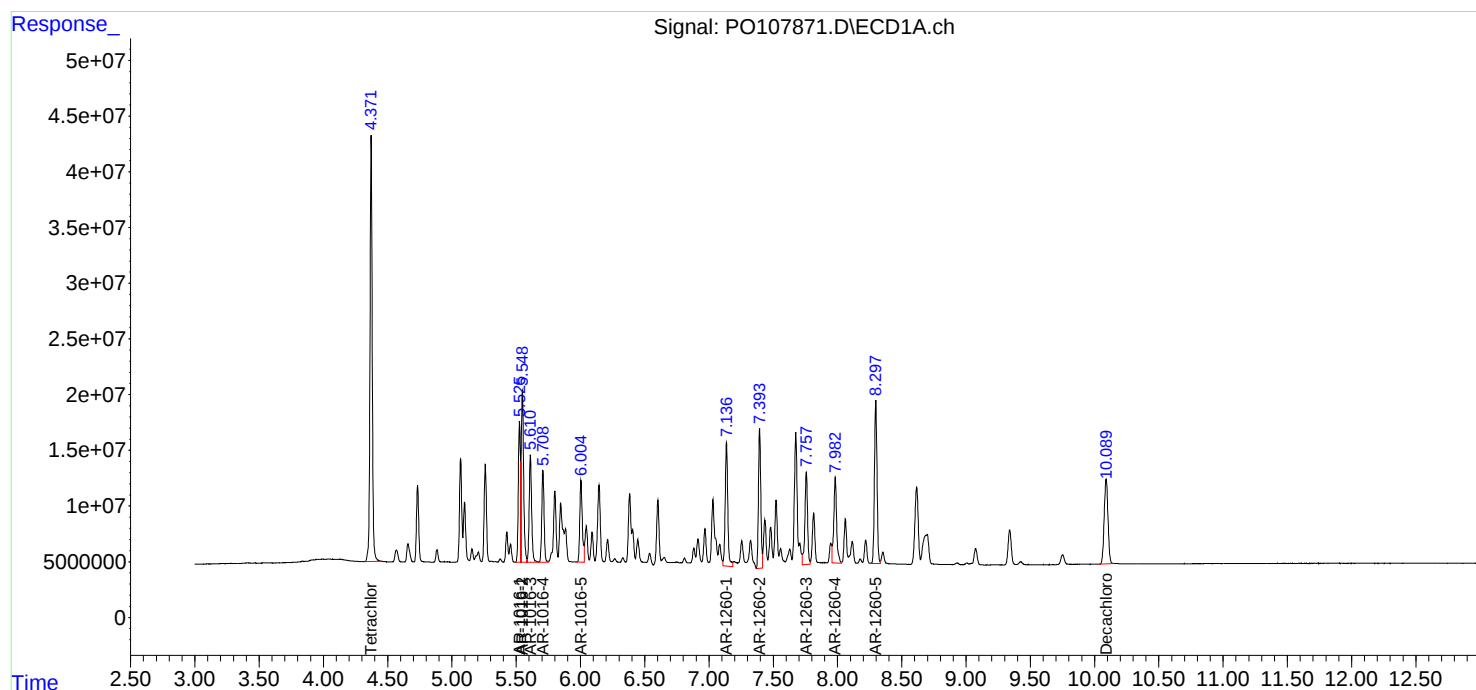
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107871.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 01:08
Operator : YP/AJ
Sample : PO111124ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO111124

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 01:24:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107872.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Nov 2024 01:24
 Operator : YP/AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO111124

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 01:37:53 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.371	3.640	479.7E6	180.7E6	53.444	53.796
2) SA Decachlor...	10.090	8.638	158.3E6	169.4E6	53.388	53.629
Target Compounds						
16) L4 AR-1242-1	5.525	4.722	119.2E6	46103827	509.563	509.950
17) L4 AR-1242-2	5.548	4.741	170.2E6	64943557	503.401	512.599
18) L4 AR-1242-3	5.611	4.917	108.6E6	35261283	501.466	516.627
19) L4 AR-1242-4	5.708	5.001	87067058	33323336	509.494	513.606
20) L4 AR-1242-5	6.446	5.522	91143352	41734394	546.594	506.322

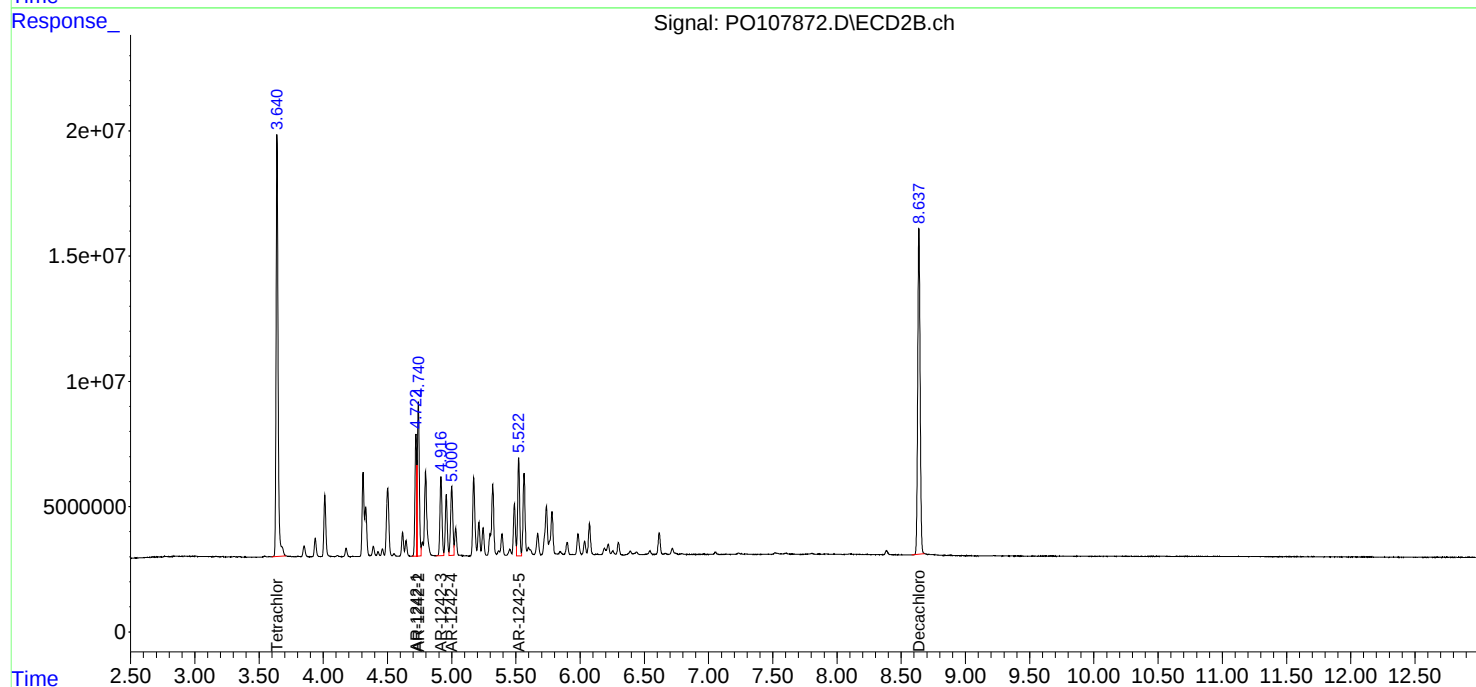
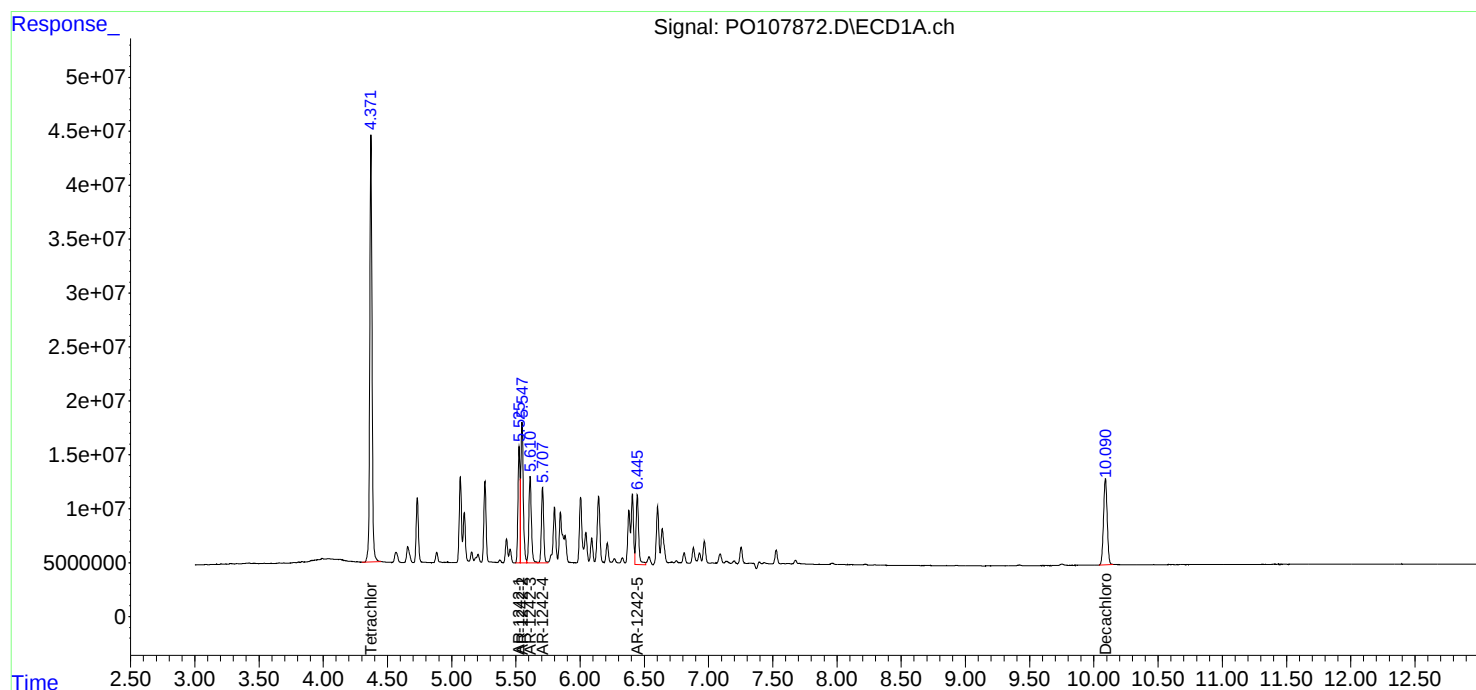
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107872.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 01:24
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO111124

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 01:37:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107873.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Nov 2024 01:40
 Operator : YP/AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO111124

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 01:52:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.372	3.641	483.1E6	182.2E6	53.819	54.236
2) SA Decachlor...	10.090	8.638	163.1E6	174.3E6	55.006	55.179
Target Compounds						
21) L5 AR-1248-1	5.525	4.722	91654024	34536871	509.729	519.528
22) L5 AR-1248-2	5.801	4.958	130.3E6	47595161	523.241	519.854
23) L5 AR-1248-3	6.004	5.000	136.6E6	50196848	519.211	519.994
24) L5 AR-1248-4	6.407	5.172	145.7E6	60654826	518.209	521.387
25) L5 AR-1248-5	6.446	5.563	148.4E6	60429747	519.841	526.961

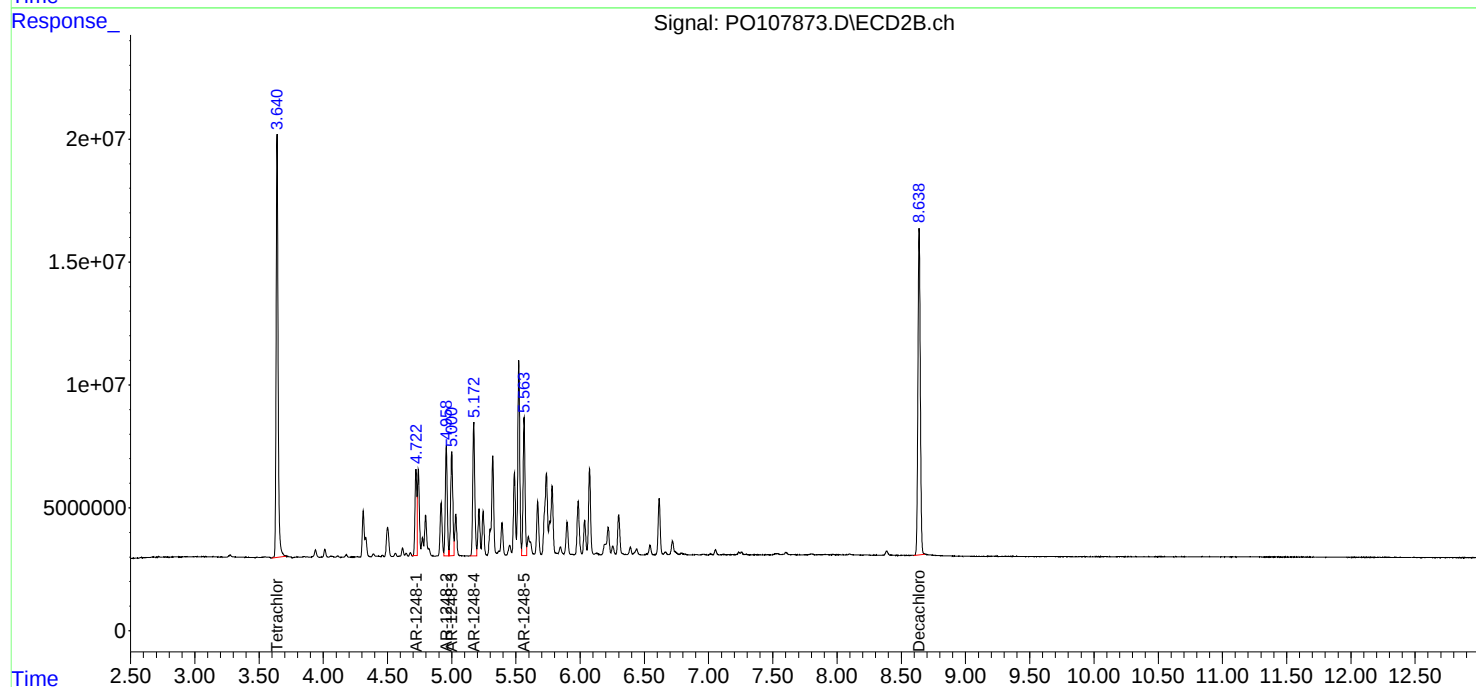
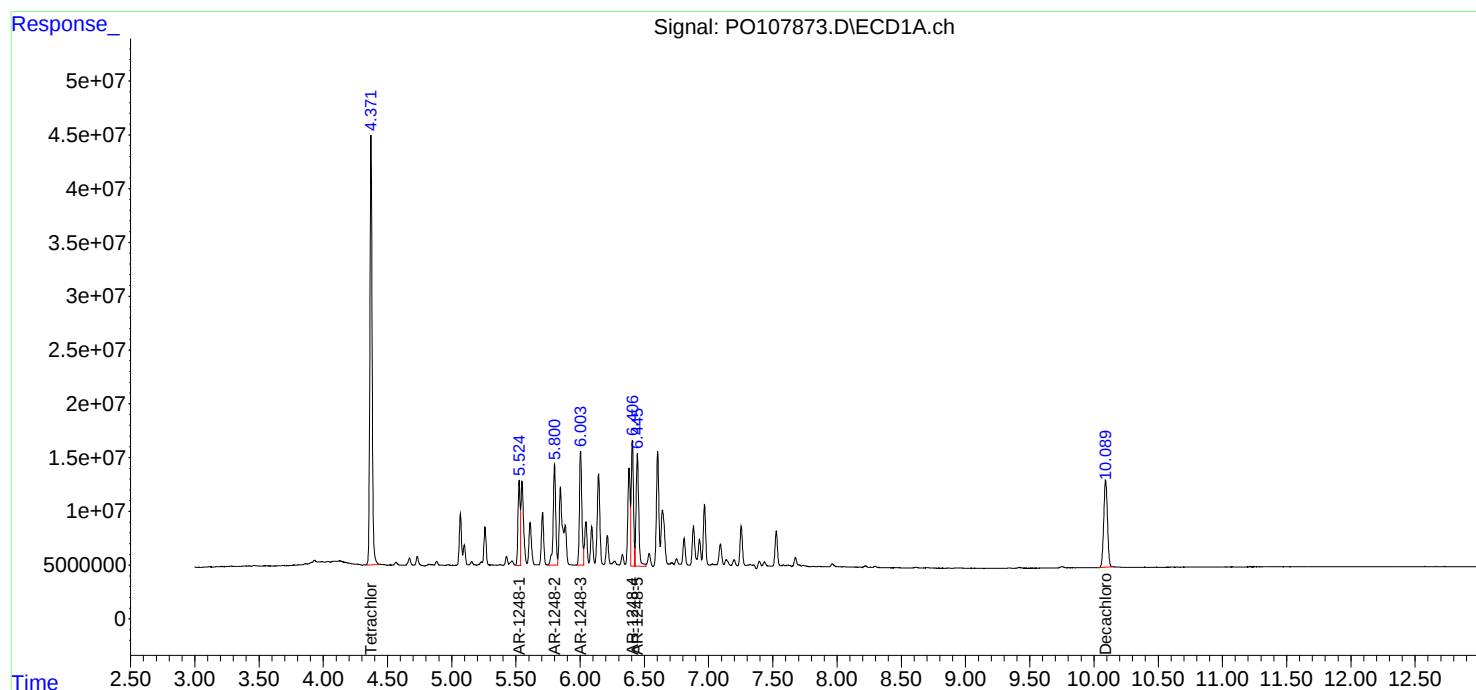
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107873.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 01:40
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO111124

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 01:52:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107874.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Nov 2024 01:57
 Operator : YP/AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO111124

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 02:40:56 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.371	3.639	483.5E6	183.0E6	53.862	54.487
2) SA Decachlor...	10.089	8.637	164.2E6	174.2E6	55.391	55.126
Target Compounds						
26) L6 AR-1254-1	6.383	5.522	145.9E6	88379135	516.216	523.566
27) L6 AR-1254-2	6.602	5.670	209.7E6	77337013	503.280	514.179
28) L6 AR-1254-3	6.968	6.073	204.4E6	128.8E6	523.750	520.315
29) L6 AR-1254-4	7.254	6.300	142.7E6	66697196	506.235	512.428
30) L6 AR-1254-5	7.676	6.718	140.6E6	113.8E6	525.998	539.705

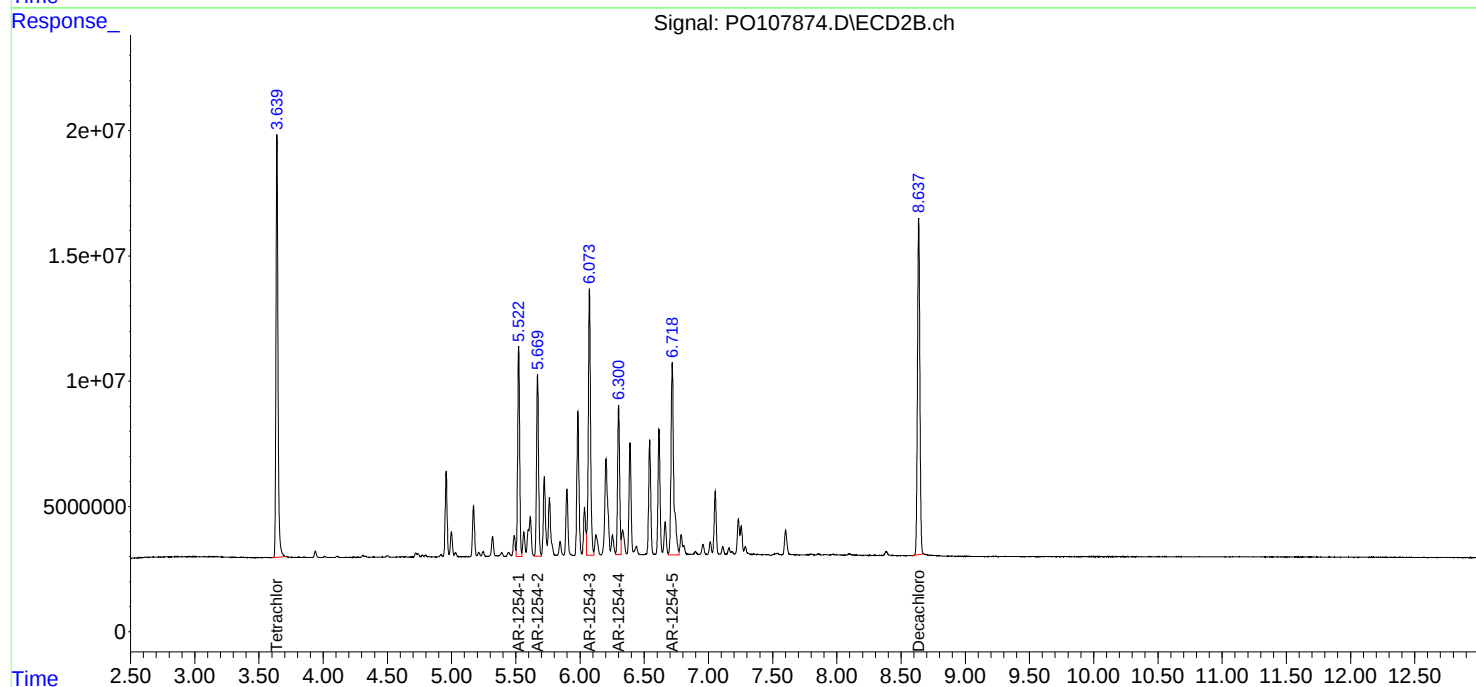
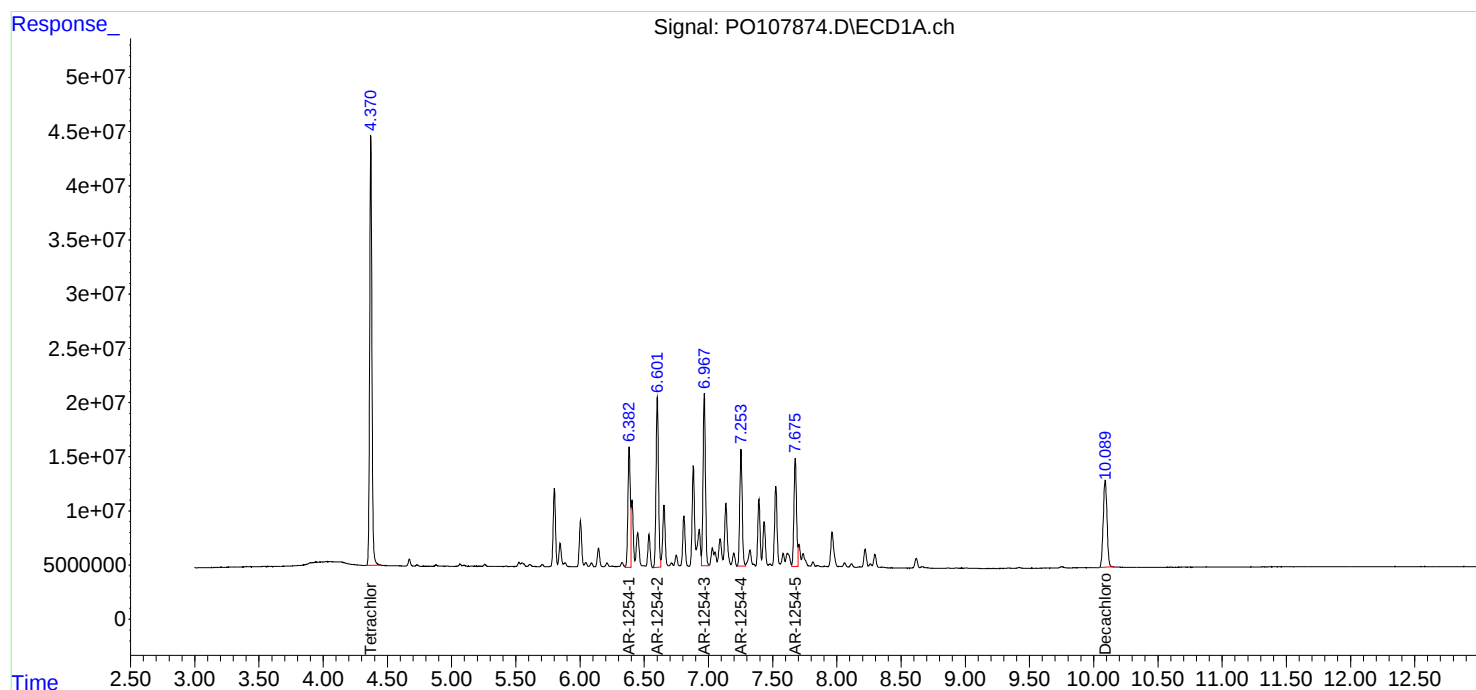
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107874.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 01:57
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO111124

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 02:40:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0111124\
 Data File : P0107875.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Nov 2024 02:13
 Operator : YP/AJ
 Sample : AR1268ICV500
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

ICVPO111124

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 02:42:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.371	3.640	476.9E6	179.7E6	53.128	53.513
2) SA Decachlor...	10.088	8.637	267.2E6	295.2E6	90.134	93.435
Target Compounds						
41) L9 AR-1268-1	8.606	7.537	253.4E6	247.0E6	514.856m	522.676m
42) L9 AR-1268-2	8.699	7.603	229.0E6	230.7E6	515.497	527.687
43) L9 AR-1268-3	8.929	7.809	186.8E6	192.6E6	521.096	526.899
44) L9 AR-1268-4	9.339	8.095	83053515	80713828	521.642	521.578
45) L9 AR-1268-5	9.750	8.384	532.2E6	646.2E6	515.096	527.511

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107875.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 02:13
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

ICVPO111124

Manual Integrations

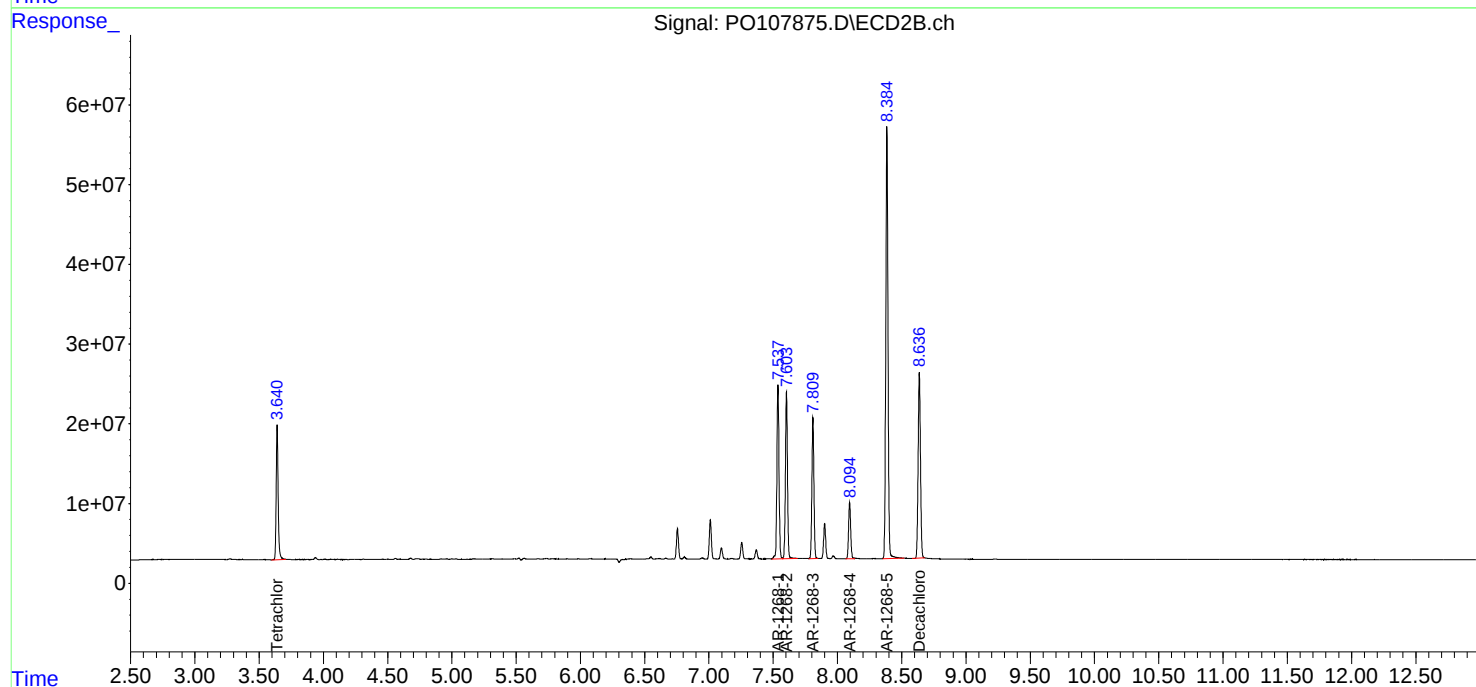
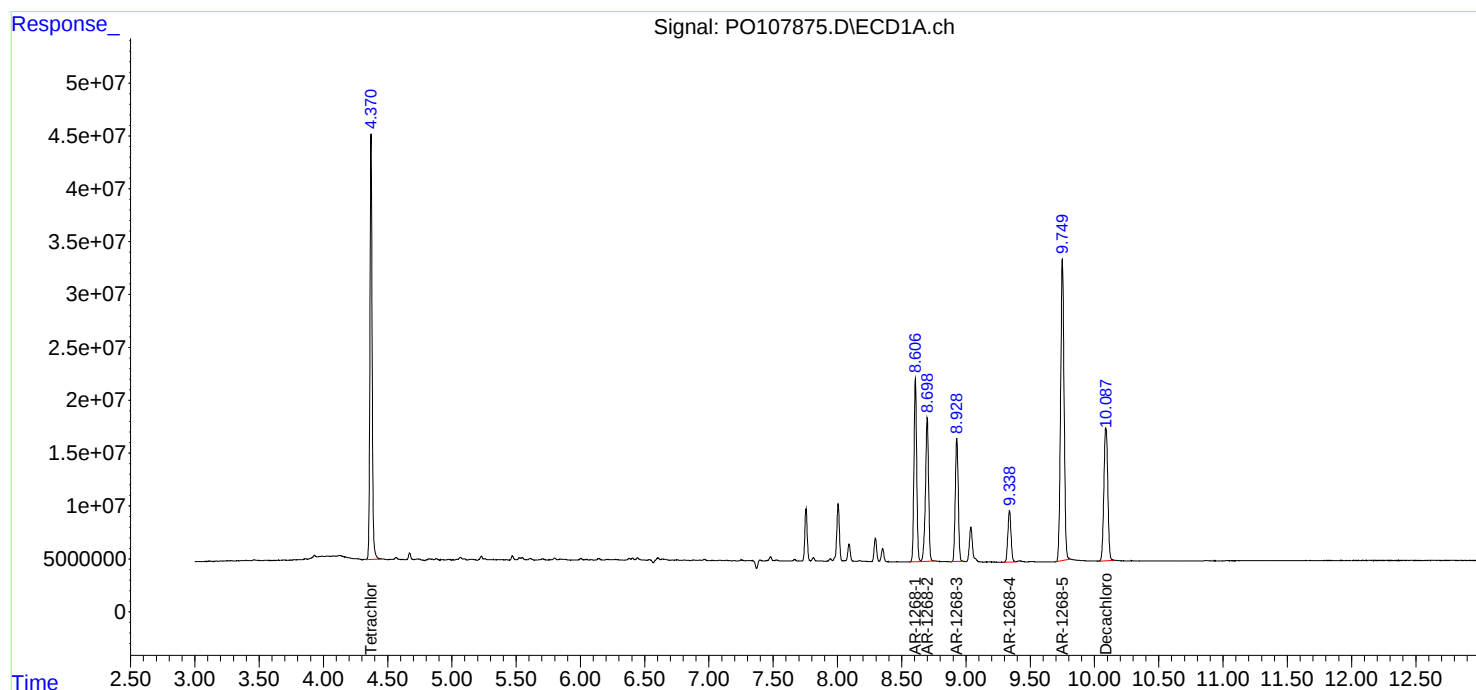
APPROVED

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 02:42:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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





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

CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

Continuing Calib Date: 11/13/2024 Initial Calibration Date(s): 11/11/2024 11/12/2024

Continuing Calib Time: 10:03 Initial Calibration Time(s): 17:30 00:52

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.53	5.53	5.43	5.63	0.00
Aroclor-1016-2	(2)	5.55	5.55	5.45	5.65	0.00
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.71	5.71	5.61	5.81	0.00
Aroclor-1016-5	(5)	6.01	6.01	5.91	6.11	0.00
Aroclor-1260-1	(1)	7.14	7.14	7.04	7.24	0.00
Aroclor-1260-2	(2)	7.39	7.40	7.30	7.50	0.01
Aroclor-1260-3	(3)	7.76	7.76	7.66	7.86	0.00
Aroclor-1260-4	(4)	7.98	7.98	7.88	8.08	0.00
Aroclor-1260-5	(5)	8.30	8.30	8.20	8.40	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.09	10.09	9.99	10.19	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

Continuing Calib Date: 11/13/2024 Initial Calibration Date(s): 11/11/2024 11/12/2024

Continuing Calib Time: 10:03 Initial Calibration Time(s): 17:30 00:52

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.72	4.62	4.82	0.00
Aroclor-1016-2	(2)	4.74	4.74	4.64	4.84	0.00
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.17	5.07	5.27	0.00
Aroclor-1260-1	(1)	6.20	6.20	6.10	6.30	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-4	(4)	7.01	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.64	3.54	3.74	0.00
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

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

Client Sample No.: CCAL01 Date Analyzed: 11/13/2024

Lab Sample No.: AR1660CCC500 Data File : PO107913.D Time Analyzed: 10:03

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.527	5.427	5.627	493.760	500.000	-1.2
Aroclor-1016-2	5.549	5.449	5.649	496.500	500.000	-0.7
Aroclor-1016-3	5.612	5.512	5.712	484.690	500.000	-3.1
Aroclor-1016-4	5.709	5.609	5.809	498.610	500.000	-0.3
Aroclor-1016-5	6.005	5.906	6.106	504.740	500.000	0.9
Aroclor-1260-1	7.136	7.037	7.237	434.020	500.000	-13.2
Aroclor-1260-2	7.394	7.295	7.495	457.920	500.000	-8.4
Aroclor-1260-3	7.756	7.658	7.858	435.860	500.000	-12.8
Aroclor-1260-4	7.981	7.883	8.083	437.480	500.000	-12.5
Aroclor-1260-5	8.296	8.198	8.398	456.540	500.000	-8.7
Decachlorobiphenyl	10.085	9.991	10.191	43.480	50.000	-13.0
Tetrachloro-m-xylene	4.374	4.272	4.472	49.790	50.000	-0.4



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CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

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

Client Sample No.: CCAL01 Date Analyzed: 11/13/2024

Lab Sample No.: AR1660CCC500 Data File : PO107913.D Time Analyzed: 10:03

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.721	4.623	4.823	499.190	500.000	-0.2
Aroclor-1016-2	4.740	4.642	4.842	507.120	500.000	1.4
Aroclor-1016-3	4.916	4.818	5.018	509.280	500.000	1.9
Aroclor-1016-4	4.957	4.859	5.059	513.790	500.000	2.8
Aroclor-1016-5	5.171	5.073	5.273	496.710	500.000	-0.7
Aroclor-1260-1	6.201	6.104	6.304	505.810	500.000	1.2
Aroclor-1260-2	6.389	6.292	6.492	504.840	500.000	1.0
Aroclor-1260-3	6.543	6.445	6.645	508.080	500.000	1.6
Aroclor-1260-4	7.014	6.916	7.116	514.400	500.000	2.9
Aroclor-1260-5	7.255	7.158	7.358	517.800	500.000	3.6
Decachlorobiphenyl	8.635	8.540	8.740	49.150	50.000	-1.7
Tetrachloro-m-xylene	3.640	3.541	3.741	50.890	50.000	1.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
 Data File : PO107913.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 10:03
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 23:27:14 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.374	3.640	446.9E6	170.9E6	49.792	50.895
2) SA Decachlor...	10.085	8.635	128.9E6	155.3E6	43.479	49.148
Target Compounds						
3) L1 AR-1016-1	5.527	4.721	132.2E6	52968367	493.757	499.186
4) L1 AR-1016-2	5.549	4.740	192.8E6	75268411	496.498	507.123
5) L1 AR-1016-3	5.612	4.916	120.5E6	40656635	484.693	509.281
6) L1 AR-1016-4	5.709	4.957	97181088	31716712	498.609	513.792
7) L1 AR-1016-5	6.005	5.171	93582442	41455297	504.741	496.709
31) L7 AR-1260-1	7.136	6.201	124.7E6	77932090	434.016	505.810
32) L7 AR-1260-2	7.394	6.389	135.5E6	94741146	457.921	504.844
33) L7 AR-1260-3	7.756	6.543	100.2E6	89207525	435.864	508.083
34) L7 AR-1260-4	7.981	7.014	104.0E6	77077753	437.483	514.397
35) L7 AR-1260-5	8.296	7.255	176.3E6	188.5E6	456.544	517.797

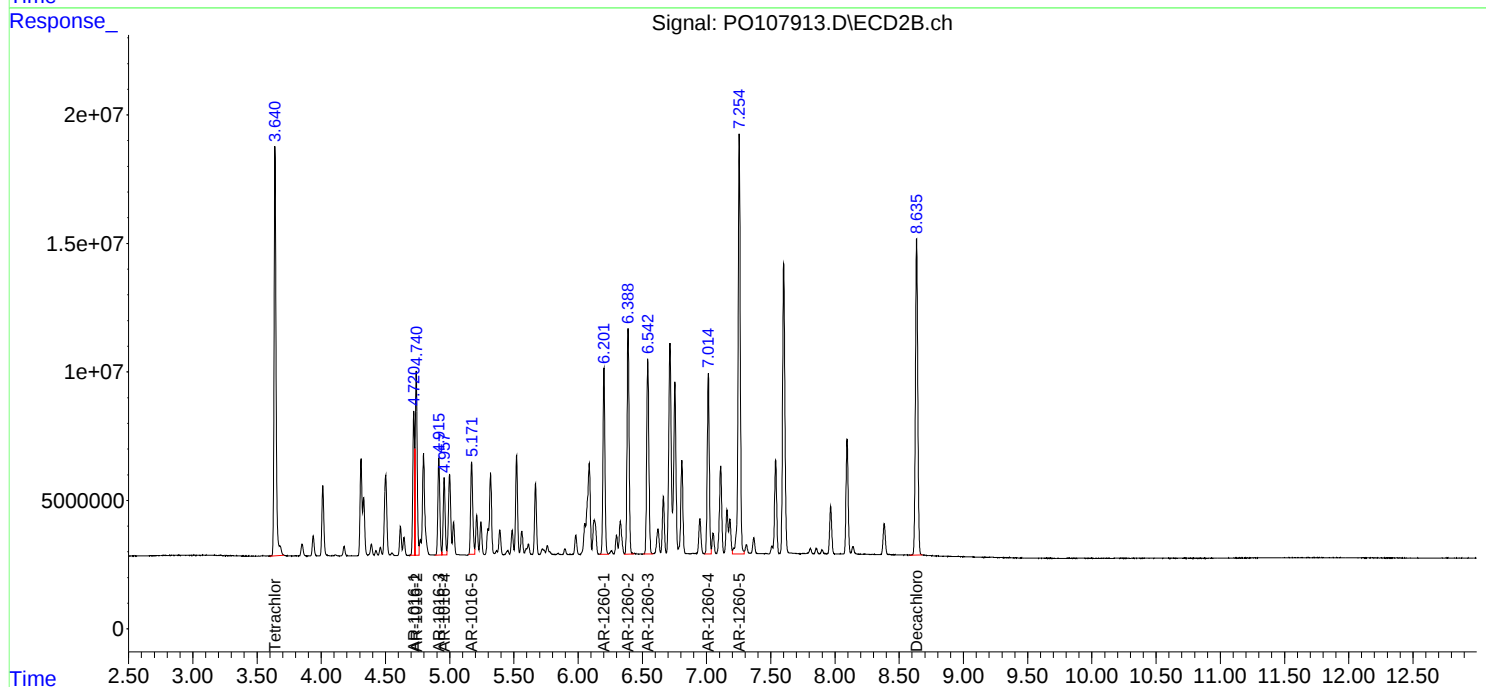
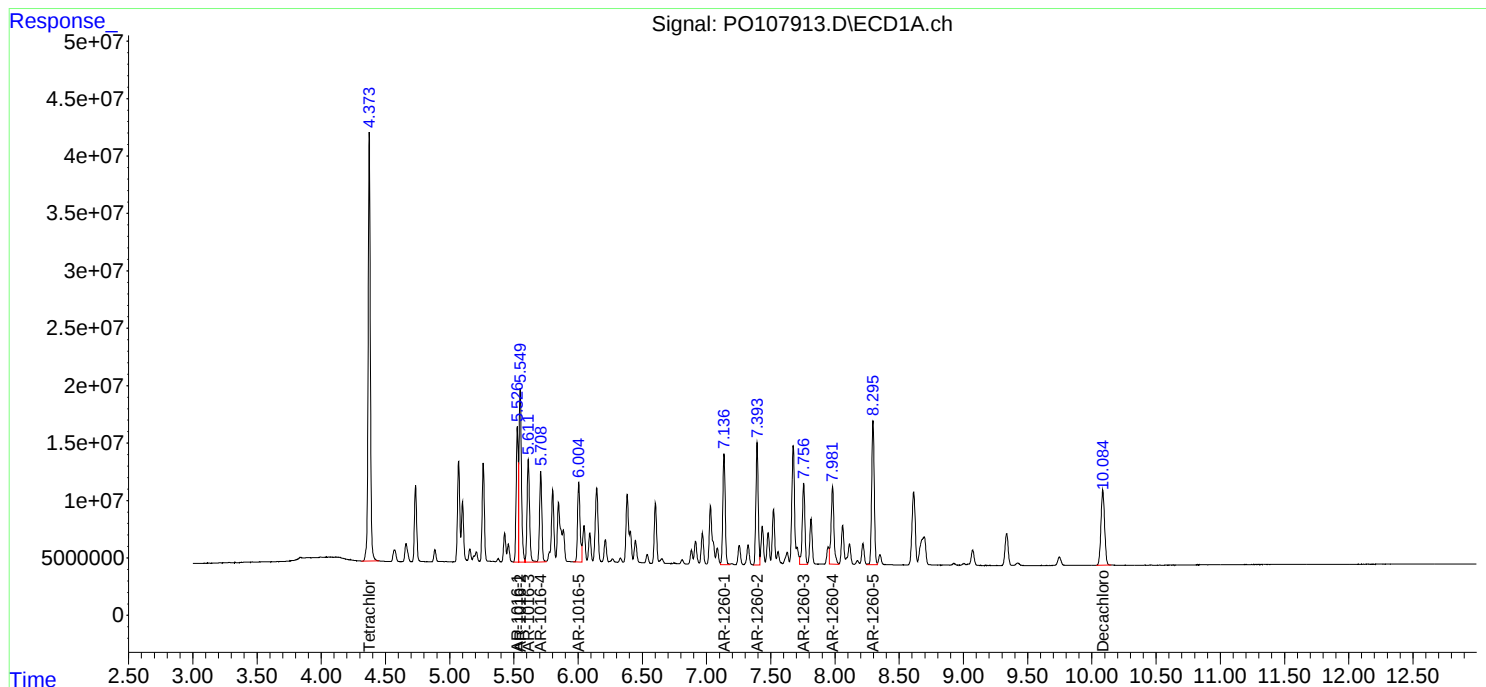
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
Data File : PO107913.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 10:03
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 23:27:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

Continuing Calib Date: 11/13/2024 Initial Calibration Date(s): 11/11/2024 11/12/2024

Continuing Calib Time: 13:54 Initial Calibration Time(s): 17:30 00:52

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.53	5.53	5.43	5.63	0.00
Aroclor-1016-2	(2)	5.55	5.55	5.45	5.65	0.00
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.71	5.71	5.61	5.81	0.00
Aroclor-1016-5	(5)	6.00	6.01	5.91	6.11	0.01
Aroclor-1260-1	(1)	7.13	7.14	7.04	7.24	0.01
Aroclor-1260-2	(2)	7.39	7.40	7.30	7.50	0.01
Aroclor-1260-3	(3)	7.75	7.76	7.66	7.86	0.01
Aroclor-1260-4	(4)	7.98	7.98	7.88	8.08	0.00
Aroclor-1260-5	(5)	8.29	8.30	8.20	8.40	0.01
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.08	10.09	9.99	10.19	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

Continuing Calib Date: 11/13/2024 Initial Calibration Date(s): 11/11/2024 11/12/2024

Continuing Calib Time: 13:54 Initial Calibration Time(s): 17:30 00:52

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.72	4.62	4.82	0.00
Aroclor-1016-2	(2)	4.74	4.74	4.64	4.84	0.00
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.01
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.17	5.07	5.27	0.00
Aroclor-1260-1	(1)	6.20	6.20	6.10	6.30	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-4	(4)	7.01	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.25	7.26	7.16	7.36	0.01
Tetrachloro-m-xylene		3.64	3.64	3.54	3.74	0.00
Decachlorobiphenyl		8.63	8.64	8.54	8.74	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

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

Client Sample No.: CCAL02 Date Analyzed: 11/13/2024

Lab Sample No.: AR1660CCC500 Data File : PO107926.D Time Analyzed: 13:54

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.525	5.427	5.627	484.940	500.000	-3.0
Aroclor-1016-2	5.547	5.449	5.649	474.270	500.000	-5.1
Aroclor-1016-3	5.610	5.512	5.712	474.750	500.000	-5.1
Aroclor-1016-4	5.707	5.609	5.809	485.980	500.000	-2.8
Aroclor-1016-5	6.003	5.906	6.106	480.500	500.000	-3.9
Aroclor-1260-1	7.133	7.037	7.237	454.970	500.000	-9.0
Aroclor-1260-2	7.390	7.295	7.495	463.840	500.000	-7.2
Aroclor-1260-3	7.753	7.658	7.858	423.270	500.000	-15.3
Aroclor-1260-4	7.979	7.883	8.083	418.820	500.000	-16.2
Aroclor-1260-5	8.293	8.198	8.398	434.950	500.000	-13.0
Decachlorobiphenyl	10.082	9.991	10.191	43.550	50.000	-12.9
Tetrachloro-m-xylene	4.372	4.272	4.472	48.290	50.000	-3.4



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CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

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

Client Sample No.: CCAL02 Date Analyzed: 11/13/2024

Lab Sample No.: AR1660CCC500 Data File : PO107926.D Time Analyzed: 13:54

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.720	4.623	4.823	493.240	500.000	-1.4
Aroclor-1016-2	4.739	4.642	4.842	493.160	500.000	-1.4
Aroclor-1016-3	4.915	4.818	5.018	498.390	500.000	-0.3
Aroclor-1016-4	4.956	4.859	5.059	501.320	500.000	0.3
Aroclor-1016-5	5.170	5.073	5.273	479.450	500.000	-4.1
Aroclor-1260-1	6.200	6.104	6.304	494.350	500.000	-1.1
Aroclor-1260-2	6.387	6.292	6.492	490.700	500.000	-1.9
Aroclor-1260-3	6.541	6.445	6.645	493.330	500.000	-1.3
Aroclor-1260-4	7.012	6.916	7.116	495.370	500.000	-0.9
Aroclor-1260-5	7.253	7.158	7.358	496.330	500.000	-0.7
Decachlorobiphenyl	8.634	8.540	8.740	47.340	50.000	-5.3
Tetrachloro-m-xylene	3.639	3.541	3.741	48.870	50.000	-2.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
 Data File : PO107926.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 13:54
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 23:35:16 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.372	3.639	433.5E6	164.1E6	48.295	48.866
2) SA Decachlor...	10.082	8.634	129.1E6	149.6E6	43.546	47.341
Target Compounds						
3) L1 AR-1016-1	5.525	4.720	129.9E6	52337060	484.937	493.237
4) L1 AR-1016-2	5.547	4.739	184.2E6	73196169	474.271	493.162
5) L1 AR-1016-3	5.610	4.915	118.0E6	39786951	474.755	498.387
6) L1 AR-1016-4	5.707	4.956	94720423	30946833	485.984	501.321
7) L1 AR-1016-5	6.003	5.170	89088725	40015300	480.504	479.455
31) L7 AR-1260-1	7.133	6.200	130.7E6	76166855	454.965	494.353
32) L7 AR-1260-2	7.390	6.387	137.2E6	92086795	463.843	490.700
33) L7 AR-1260-3	7.753	6.541	97300031	86616706	423.265	493.327
34) L7 AR-1260-4	7.979	7.012	99524419	74226981	418.822	495.372
35) L7 AR-1260-5	8.293	7.253	168.0E6	180.7E6	434.950	496.334

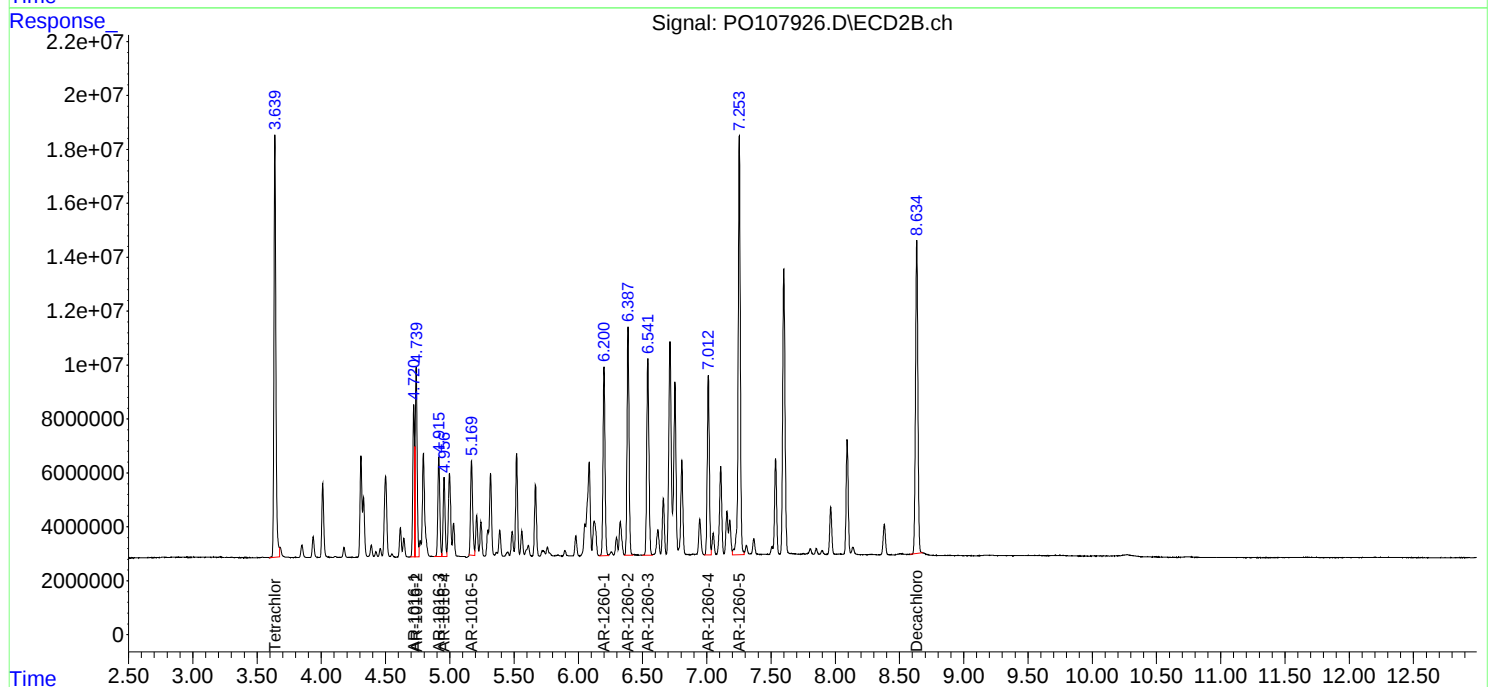
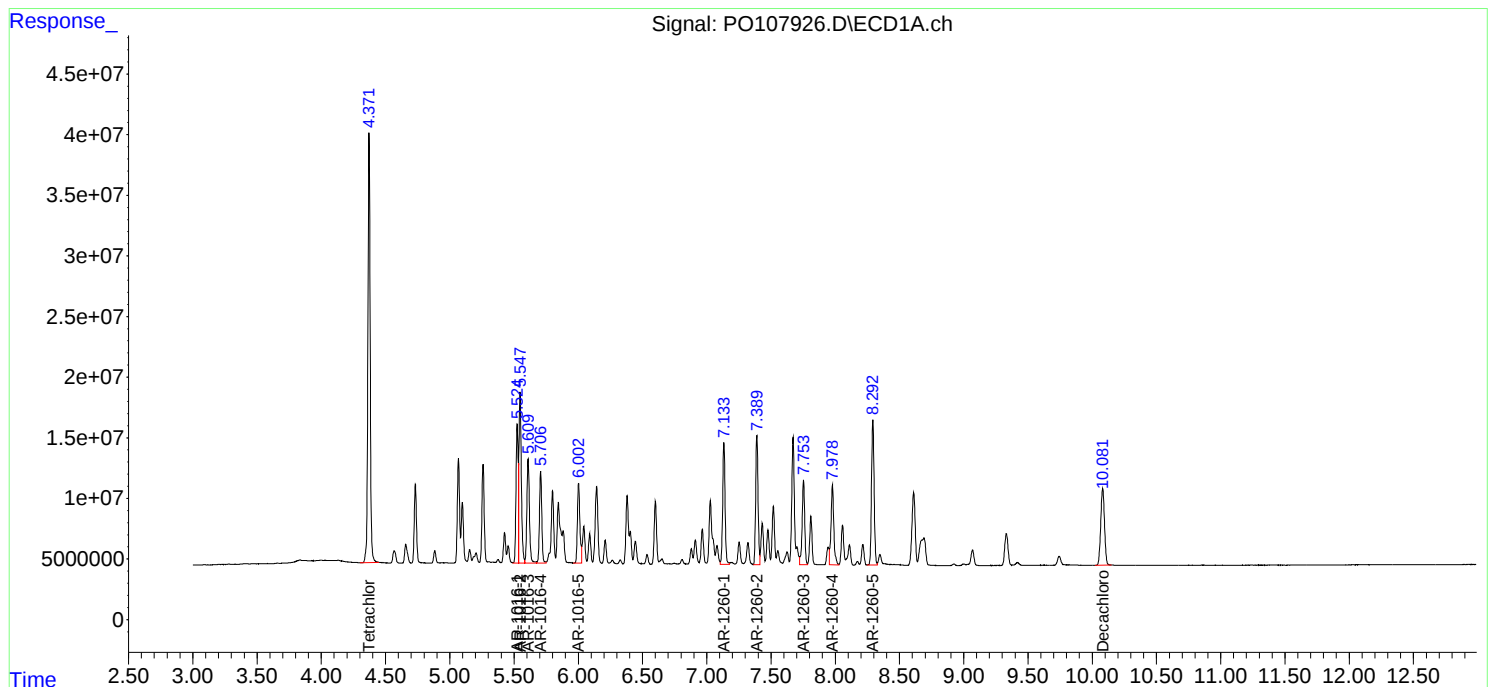
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
Data File : PO107926.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 13:54
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 23:35:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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





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CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

Continuing Calib Date: 11/13/2024 Initial Calibration Date(s): 11/11/2024 11/12/2024

Continuing Calib Time: 18:31 Initial Calibration Time(s): 17:30 00:52

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.52	5.53	5.43	5.63	0.01
Aroclor-1016-2	(2)	5.55	5.55	5.45	5.65	0.00
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.71	5.71	5.61	5.81	0.01
Aroclor-1016-5	(5)	6.00	6.01	5.91	6.11	0.01
Aroclor-1260-1	(1)	7.13	7.14	7.04	7.24	0.01
Aroclor-1260-2	(2)	7.39	7.40	7.30	7.50	0.01
Aroclor-1260-3	(3)	7.75	7.76	7.66	7.86	0.01
Aroclor-1260-4	(4)	7.98	7.98	7.88	8.08	0.00
Aroclor-1260-5	(5)	8.29	8.30	8.20	8.40	0.01
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.08	10.09	9.99	10.19	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

Continuing Calib Date: 11/13/2024 Initial Calibration Date(s): 11/11/2024 11/12/2024

Continuing Calib Time: 18:31 Initial Calibration Time(s): 17:30 00:52

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.72	4.62	4.82	0.00
Aroclor-1016-2	(2)	4.74	4.74	4.64	4.84	0.00
Aroclor-1016-3	(3)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.17	5.07	5.27	0.00
Aroclor-1260-1	(1)	6.20	6.20	6.10	6.30	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-4	(4)	7.01	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.25	7.26	7.16	7.36	0.01
Tetrachloro-m-xylene		3.64	3.64	3.54	3.74	0.00
Decachlorobiphenyl		8.63	8.64	8.54	8.74	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

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

Client Sample No.: CCAL03 Date Analyzed: 11/13/2024

Lab Sample No.: AR1660CCC500 Data File : PO107940.D Time Analyzed: 18:31

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.523	5.427	5.627	479.630	500.000	-4.1
Aroclor-1016-2	5.545	5.449	5.649	474.960	500.000	-5.0
Aroclor-1016-3	5.608	5.512	5.712	463.160	500.000	-7.4
Aroclor-1016-4	5.705	5.609	5.809	472.970	500.000	-5.4
Aroclor-1016-5	6.001	5.906	6.106	477.530	500.000	-4.5
Aroclor-1260-1	7.132	7.037	7.237	445.490	500.000	-10.9
Aroclor-1260-2	7.389	7.295	7.495	460.220	500.000	-8.0
Aroclor-1260-3	7.752	7.658	7.858	425.120	500.000	-15.0
Aroclor-1260-4	7.978	7.883	8.083	411.020	500.000	-17.8
Aroclor-1260-5	8.291	8.198	8.398	428.490	500.000	-14.3
Decachlorobiphenyl	10.079	9.991	10.191	42.360	50.000	-15.3
Tetrachloro-m-xylene	4.370	4.272	4.472	49.290	50.000	-1.4



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

CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

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

Client Sample No.: CCAL03 Date Analyzed: 11/13/2024

Lab Sample No.: AR1660CCC500 Data File : PO107940.D Time Analyzed: 18:31

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.719	4.623	4.823	505.060	500.000	1.0
Aroclor-1016-2	4.738	4.642	4.842	505.040	500.000	1.0
Aroclor-1016-3	4.914	4.818	5.018	509.000	500.000	1.8
Aroclor-1016-4	4.956	4.859	5.059	506.960	500.000	1.4
Aroclor-1016-5	5.169	5.073	5.273	482.000	500.000	-3.6
Aroclor-1260-1	6.200	6.104	6.304	508.250	500.000	1.7
Aroclor-1260-2	6.388	6.292	6.492	502.150	500.000	0.4
Aroclor-1260-3	6.541	6.445	6.645	503.790	500.000	0.8
Aroclor-1260-4	7.012	6.916	7.116	499.310	500.000	-0.1
Aroclor-1260-5	7.252	7.158	7.358	497.970	500.000	-0.4
Decachlorobiphenyl	8.632	8.540	8.740	45.040	50.000	-9.9
Tetrachloro-m-xylene	3.639	3.541	3.741	49.670	50.000	-0.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
 Data File : PO107940.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 18:31
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 23:43:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.370	3.639	442.5E6	166.8E6	49.294	49.669
2) SA Decachlor...	10.079	8.632	125.6E6	142.3E6	42.363	45.044
Target Compounds						
3) L1 AR-1016-1	5.523	4.719	128.4E6	53591164	479.627	505.056
4) L1 AR-1016-2	5.545	4.738	184.5E6	74959732	474.965	505.044
5) L1 AR-1016-3	5.608	4.914	115.1E6	40633931	463.157	508.997
6) L1 AR-1016-4	5.705	4.956	92183795	31295251	472.970	506.965
7) L1 AR-1016-5	6.001	5.169	88537203	40227972	477.529	482.003
31) L7 AR-1260-1	7.132	6.200	128.0E6	78308305	445.490	508.252
32) L7 AR-1260-2	7.389	6.388	136.2E6	94236243	460.220	502.153
33) L7 AR-1260-3	7.752	6.541	97726231	88454304	425.119	503.793
34) L7 AR-1260-4	7.978	7.012	97670278	74816962	411.020	499.309
35) L7 AR-1260-5	8.291	7.252	165.5E6	181.3E6	428.488	497.968

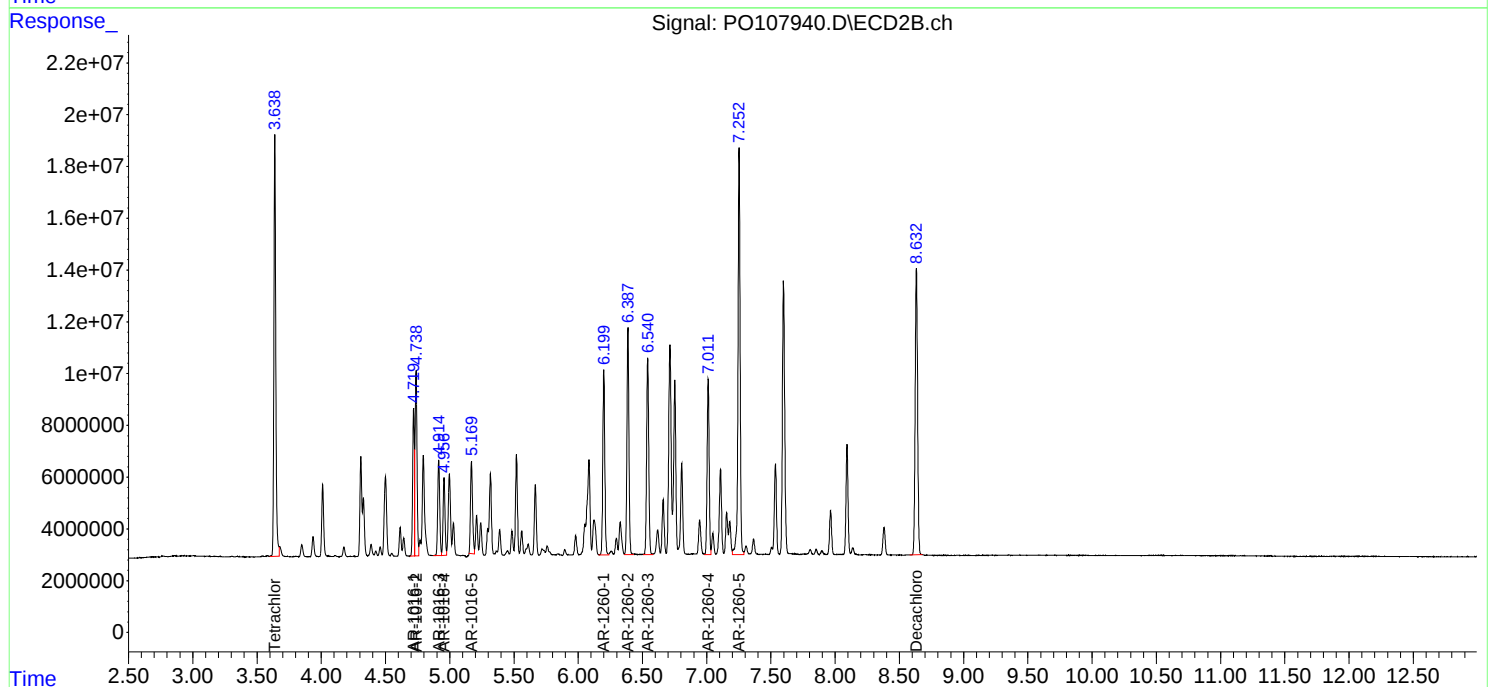
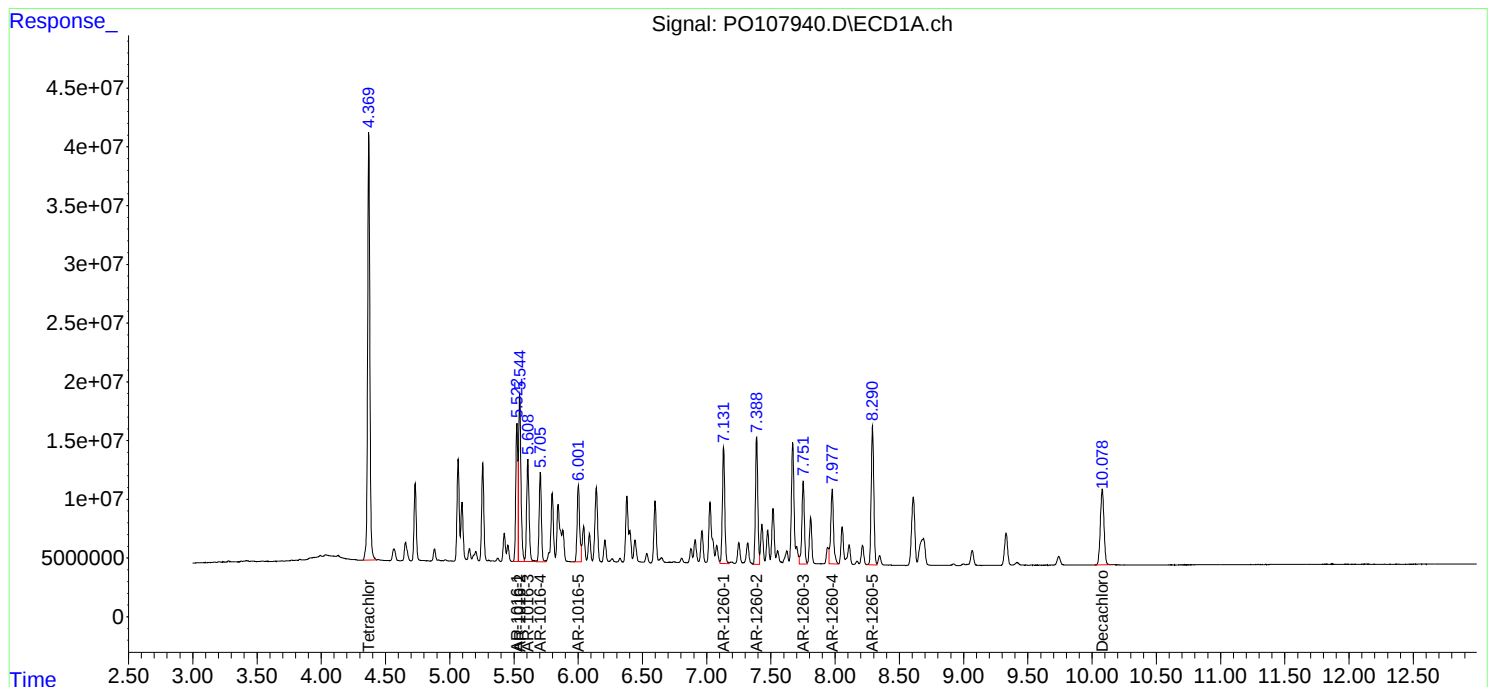
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
Data File : PO107940.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 18:31
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 23:43:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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



Analytical Sequence

Client: BAPS North Bergen	SDG No.: P4822
Project: BAPS North Bergen	Instrument ID: ECD_O
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 11/11/2024 11/11/2024

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 #
LBLK	LBLK	11/11/2024	17:14	PO107842.D	10.09	4.37
AR1660ICC1000	AR1660ICC1000	11/11/2024	17:30	PO107843.D	10.09	4.37
AR1660ICC750	AR1660ICC750	11/11/2024	17:46	PO107844.D	10.09	4.37
AR1660ICC500	AR1660ICC500	11/11/2024	18:02	PO107845.D	10.09	4.37
AR1660ICC250	AR1660ICC250	11/11/2024	18:19	PO107846.D	10.09	4.38
AR1660ICC050	AR1660ICC050	11/11/2024	18:36	PO107847.D	10.09	4.37
AR1221ICC500	AR1221ICC500	11/11/2024	18:52	PO107848.D	10.09	4.37
AR1232ICC500	AR1232ICC500	11/11/2024	19:08	PO107849.D	10.09	4.37
AR1242ICC1000	AR1242ICC1000	11/11/2024	19:24	PO107850.D	10.09	4.37
AR1242ICC750	AR1242ICC750	11/11/2024	19:40	PO107851.D	10.09	4.37
AR1242ICC500	AR1242ICC500	11/11/2024	19:57	PO107852.D	10.09	4.37
AR1242ICC250	AR1242ICC250	11/11/2024	20:13	PO107853.D	10.09	4.37
AR1242ICC050	AR1242ICC050	11/11/2024	20:30	PO107854.D	10.09	4.37
AR1248ICC1000	AR1248ICC1000	11/11/2024	20:46	PO107855.D	10.09	4.37
AR1248ICC750	AR1248ICC750	11/11/2024	21:02	PO107856.D	10.09	4.37
AR1248ICC500	AR1248ICC500	11/11/2024	21:18	PO107857.D	10.09	4.37
AR1248ICC250	AR1248ICC250	11/11/2024	21:35	PO107858.D	10.10	4.37
AR1248ICC050	AR1248ICC050	11/11/2024	21:52	PO107859.D	10.09	4.37
AR1254ICC1000	AR1254ICC1000	11/11/2024	22:08	PO107860.D	10.09	4.37
AR1254ICC750	AR1254ICC750	11/11/2024	22:24	PO107861.D	10.09	4.37
AR1254ICC500	AR1254ICC500	11/11/2024	22:41	PO107862.D	10.09	4.37
AR1254ICC250	AR1254ICC250	11/11/2024	22:57	PO107863.D	10.09	4.37
AR1254ICC050	AR1254ICC050	11/11/2024	23:13	PO107864.D	10.09	4.37
AR1262ICC500	AR1262ICC500	11/11/2024	23:29	PO107865.D	10.09	4.37
AR1268ICC1000	AR1268ICC1000	11/11/2024	23:46	PO107866.D	10.09	4.37
AR1268ICC750	AR1268ICC750	11/12/2024	00:02	PO107867.D	10.09	4.37
AR1268ICC500	AR1268ICC500	11/12/2024	00:18	PO107868.D	10.09	4.37
AR1268ICC250	AR1268ICC250	11/12/2024	00:35	PO107869.D	10.09	4.37
AR1268ICC050	AR1268ICC050	11/12/2024	00:52	PO107870.D	10.09	4.37
AR1660CCC500	AR1660CCC500	11/13/2024	10:03	PO107913.D	10.09	4.37
LBLK	LBLK	11/13/2024	10:53	PO107916.D	10.08	4.37
PB164938BL	PB164938BL	11/13/2024	12:31	PO107921.D	10.08	4.37
PB164938BS	PB164938BS	11/13/2024	12:48	PO107922.D	10.08	4.37
AR1660CCC500	AR1660CCC500	11/13/2024	13:54	PO107926.D	10.08	4.37
LBLK	LBLK	11/13/2024	14:59	PO107930.D	10.08	4.37
SOIL-1	P4822-02	11/13/2024	15:16	PO107931.D	10.08	4.37
SOIL-2	P4822-04	11/13/2024	15:32	PO107932.D	10.08	4.37
SOIL-3	P4822-06	11/13/2024	15:49	PO107933.D	10.08	4.37
SOIL-3MS	P4822-06MS	11/13/2024	16:06	PO107934.D	10.08	4.37
SOIL-3MSD	P4822-06MSD	11/13/2024	16:22	PO107935.D	10.08	4.37
SOIL-4	P4822-08	11/13/2024	16:39	PO107936.D	10.08	4.37
SOIL-5	P4822-10	11/13/2024	16:56	PO107937.D	10.08	4.37

Analytical Sequence

SOIL-6	P4822-12	11/13/2024	17:13	PO107938.D	10.08	4.37
AR1660CCC500	AR1660CCC500	11/13/2024	18:31	PO107940.D	10.08	4.37
I.BLK	I.BLK	11/13/2024	19:37	PO107944.D	10.08	4.37

Analytical Sequence

Client: BAPS North Bergen	SDG No.: P4822
Project: BAPS North Bergen	Instrument ID: ECD_O
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 11/11/2024 11/11/2024

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	11/11/2024	17:14	PO107842.D	8.64	3.64
AR1660ICC1000	AR1660ICC1000	11/11/2024	17:30	PO107843.D	8.64	3.64
AR1660ICC750	AR1660ICC750	11/11/2024	17:46	PO107844.D	8.64	3.64
AR1660ICC500	AR1660ICC500	11/11/2024	18:02	PO107845.D	8.64	3.64
AR1660ICC250	AR1660ICC250	11/11/2024	18:19	PO107846.D	8.64	3.64
AR1660ICC050	AR1660ICC050	11/11/2024	18:36	PO107847.D	8.64	3.64
AR1221ICC500	AR1221ICC500	11/11/2024	18:52	PO107848.D	8.64	3.64
AR1232ICC500	AR1232ICC500	11/11/2024	19:08	PO107849.D	8.64	3.64
AR1242ICC1000	AR1242ICC1000	11/11/2024	19:24	PO107850.D	8.64	3.64
AR1242ICC750	AR1242ICC750	11/11/2024	19:40	PO107851.D	8.64	3.64
AR1242ICC500	AR1242ICC500	11/11/2024	19:57	PO107852.D	8.64	3.64
AR1242ICC250	AR1242ICC250	11/11/2024	20:13	PO107853.D	8.64	3.64
AR1242ICC050	AR1242ICC050	11/11/2024	20:30	PO107854.D	8.64	3.64
AR1248ICC1000	AR1248ICC1000	11/11/2024	20:46	PO107855.D	8.64	3.64
AR1248ICC750	AR1248ICC750	11/11/2024	21:02	PO107856.D	8.64	3.64
AR1248ICC500	AR1248ICC500	11/11/2024	21:18	PO107857.D	8.64	3.64
AR1248ICC250	AR1248ICC250	11/11/2024	21:35	PO107858.D	8.64	3.64
AR1248ICC050	AR1248ICC050	11/11/2024	21:52	PO107859.D	8.64	3.64
AR1254ICC1000	AR1254ICC1000	11/11/2024	22:08	PO107860.D	8.64	3.64
AR1254ICC750	AR1254ICC750	11/11/2024	22:24	PO107861.D	8.64	3.64
AR1254ICC500	AR1254ICC500	11/11/2024	22:41	PO107862.D	8.64	3.64
AR1254ICC250	AR1254ICC250	11/11/2024	22:57	PO107863.D	8.64	3.64
AR1254ICC050	AR1254ICC050	11/11/2024	23:13	PO107864.D	8.64	3.64
AR1262ICC500	AR1262ICC500	11/11/2024	23:29	PO107865.D	8.64	3.64
AR1268ICC1000	AR1268ICC1000	11/11/2024	23:46	PO107866.D	8.64	3.64
AR1268ICC750	AR1268ICC750	11/12/2024	00:02	PO107867.D	8.64	3.64
AR1268ICC500	AR1268ICC500	11/12/2024	00:18	PO107868.D	8.64	3.64
AR1268ICC250	AR1268ICC250	11/12/2024	00:35	PO107869.D	8.64	3.64
AR1268ICC050	AR1268ICC050	11/12/2024	00:52	PO107870.D	8.64	3.64
AR1660CCC500	AR1660CCC500	11/13/2024	10:03	PO107913.D	8.64	3.64
IBLK	IBLK	11/13/2024	10:53	PO107916.D	8.63	3.64
PB164938BL	PB164938BL	11/13/2024	12:31	PO107921.D	8.63	3.64
PB164938BS	PB164938BS	11/13/2024	12:48	PO107922.D	8.63	3.64
AR1660CCC500	AR1660CCC500	11/13/2024	13:54	PO107926.D	8.63	3.64
IBLK	IBLK	11/13/2024	14:59	PO107930.D	8.63	3.64
SOIL-1	P4822-02	11/13/2024	15:16	PO107931.D	8.63	3.64
SOIL-2	P4822-04	11/13/2024	15:32	PO107932.D	8.63	3.64
SOIL-3	P4822-06	11/13/2024	15:49	PO107933.D	8.63	3.64
SOIL-3MS	P4822-06MS	11/13/2024	16:06	PO107934.D	8.63	3.64
SOIL-3MSD	P4822-06MSD	11/13/2024	16:22	PO107935.D	8.63	3.64
SOIL-4	P4822-08	11/13/2024	16:39	PO107936.D	8.63	3.64
SOIL-5	P4822-10	11/13/2024	16:56	PO107937.D	8.63	3.64

Analytical Sequence

SOIL-6	P4822-12	11/13/2024	17:13	PO107938.D	8.63	3.64
AR1660CCC500	AR1660CCC500	11/13/2024	18:31	PO107940.D	8.63	3.64
I.BLK	I.BLK	11/13/2024	19:37	PO107944.D	8.63	3.64

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164938BS

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

Lab Sample ID: PB164938BS Date(s) Analyzed: 11/13/2024 11/13/2024

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

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

Data file PO107922.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.525	5.475	5.575	152	150	1.32
COLUMN 1	2	5.548	5.498	5.598	151		
	3	5.61	5.56	5.66	148		
	4	5.707	5.657	5.757	151		
	5	6.003	5.953	6.053	147		
	1	4.72	4.67	4.77	153		
COLUMN 2	2	4.739	4.689	4.789	155	152	
	3	4.915	4.865	4.965	155		
	4	4.957	4.907	5.007	152		
	5	5.17	5.12	5.22	145		
Aroclor-1260	1	7.134	7.084	7.184	148	131	14.18
COLUMN 1	2	7.391	7.341	7.441	148		
	3	7.754	7.704	7.804	116		
	4	7.978	7.928	8.028	121		
	5	8.293	8.243	8.343	123		
	1	6.201	6.151	6.251	159	151	
COLUMN 2	2	6.388	6.338	6.438	160		
	3	6.541	6.491	6.591	160		
	4	7.013	6.963	7.063	138		
	5	7.254	7.204	7.304	139		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SOIL-1

Contract: BAPS03

Lab Code: CHEM

Case No.: P4822

SAS No.: P4822

SDG NO.: P4822

Lab Sample ID: P4822-02

Date(s) Analyzed: 11/13/2024

11/13/2024

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

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

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

Data file PO107931.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD	
			FROM	TO				
Aroclor-1254	1	6.381	6.331	6.431	22.9	24.3	0	
	2	6.601	6.551	6.651	15.8			
	3	6.966	6.916	7.016	21.9			
	4	7.252	7.202	7.302	15.4			
	5	7.676	7.626	7.726	45.6			
COLUMN 1								
	1	5.521	5.471	5.571	13.0	24.3		
	2	5.668	5.618	5.718	11.6			
	3	6.071	6.021	6.121	22.7			
	4	6.295	6.245	6.345	8.63			
5	6.714	6.664	6.764	65.5				
COLUMN 2								
	1	7.134	7.084	7.184	25.9	22.7	4.5	
	2	7.39	7.34	7.44	34.5			
	3	7.754	7.704	7.804	13.4			
	4	7.964	7.914	8.014	25.5			
5	8.293	8.243	8.343	14.4				
Aroclor-1260								
	1	6.201	6.151	6.251	33.8	21.7		
	2	6.388	6.338	6.438	20.2			
	3	6.541	6.491	6.591	19.9			
	4	7.012	6.962	7.062	19.2			
5	7.253	7.203	7.303	15.2				
COLUMN 1								
COLUMN 2								

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SOIL-2

Contract: BAPS03

Lab Code: CHEM

Case No.: P4822

SAS No.: P4822

SDG NO.: P4822

Lab Sample ID: P4822-04

Date(s) Analyzed: 11/13/2024

11/13/2024

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

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

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

Data file PO107932.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1254	1	6.38	6.33	6.43	17.1	29.2	1.73
COLUMN 1	2	6.601	6.551	6.651	17.9		
	3	6.967	6.917	7.017	25.9		
	4	7.251	7.201	7.301	15.1		
	5	7.673	7.623	7.723	70.1		
	1	5.52	5.47	5.57	14.5		
COLUMN 2	2	5.668	5.618	5.718	17.3	28.7	
	3	6.071	6.021	6.121	32.3		
	4	6.297	6.247	6.347	11.8		
	5	6.715	6.665	6.765	67.5		
Aroclor-1260	1	7.134	7.084	7.184	29.9	24.0	8
COLUMN 1	2	7.389	7.339	7.439	38.0		
	3	7.753	7.703	7.803	17.6		
	4	7.974	7.924	8.024	15.4		
	5	8.292	8.242	8.342	19.2		
	1	6.201	6.151	6.251	35.6		
COLUMN 2	2	6.388	6.338	6.438	28.8	26.0	
	3	6.541	6.491	6.591	24.9		
	4	7.012	6.962	7.062	21.1		
	5	7.253	7.203	7.303	19.5		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SOIL-3

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

Lab Sample ID: P4822-06 Date(s) Analyzed: 11/13/2024 11/13/2024

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

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

Data file PO107933.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1254	1	6.382	6.332	6.432	18.3	24.7	3.71
COLUMN 1	2	6.601	6.551	6.651	14.5		
	3	6.967	6.917	7.017	20.6		
	4	7.252	7.202	7.302	13.9		
	5	7.675	7.625	7.725	56.0		
	1	5.521	5.471	5.571	13.1		
COLUMN 2	2	5.668	5.618	5.718	12.0	23.8	
	3	6.07	6.02	6.12	25.8		
	4	6.294	6.244	6.344	5.32		
	5	6.714	6.664	6.764	62.8		
Aroclor-1260	1	7.134	7.084	7.184	26.4	22.1	3.99
COLUMN 1	2	7.391	7.341	7.441	32.9		
	3	7.755	7.705	7.805	17.0		
	4	7.972	7.922	8.022	17.3		
	5	8.293	8.243	8.343	17.0		
	1	6.201	6.151	6.251	30.5		
COLUMN 2	2	6.389	6.339	6.439	26.4	23.0	
	3	6.541	6.491	6.591	21.4		
	4	7.013	6.963	7.063	18.7		
	5	7.253	7.203	7.303	18.0		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SOIL-3MS

Contract: BAPS03

Lab Code: CHEM

Case No.: P4822

SAS No.: P4822

SDG NO.: P4822

Lab Sample ID: P4822-06MS

Date(s) Analyzed: 11/13/2024

11/13/2024

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

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

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

Data file PO107934.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.523	5.473	5.573	200	199	1.99
COLUMN 1	2	5.546	5.496	5.596	198		
	3	5.608	5.558	5.658	196		
	4	5.706	5.656	5.756	210		
	5	6.002	5.952	6.052	192		
COLUMN 2	1	4.72	4.67	4.77	204	203	
	2	4.739	4.689	4.789	206		
	3	4.915	4.865	4.965	207		
	4	4.957	4.907	5.007	210		
	5	5.169	5.119	5.219	188		
Aroclor-1254	1	6.38	6.33	6.43	113	134	
COLUMN 1	2	6.599	6.549	6.649	80.9		
	3	6.966	6.916	7.016	63.6		
	4	7.251	7.201	7.301	48.7		
	5	7.671	7.621	7.721	362		
COLUMN 2	1	5.521	5.471	5.571	94.8	133	
	2	5.667	5.617	5.717	111		
	3	6.084	6.034	6.134	125		
	4	6.297	6.247	6.347	38.9		
	5	6.715	6.665	6.765	296		



Aroclor-1260	1	7.132	7.082	7.182	208		
	2	7.39	7.34	7.44	232		
	3	7.752	7.702	7.802	165		
	4	7.977	7.927	8.027	198		
	5	8.293	8.243	8.343	183		
COLUMN 1						197	
	1	6.2	6.15	6.25	238		
	2	6.388	6.338	6.438	231		
	3	6.541	6.491	6.591	225		
	4	7.012	6.962	7.062	188		
COLUMN 2	5	7.253	7.203	7.303	197		216

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SOIL-3MSD

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

Lab Sample ID: P4822-06MSD Date(s) Analyzed: 11/13/2024 11/13/2024

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

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

Data file PO107935.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.525	5.475	5.575	192	190	4.12
COLUMN 1	2	5.547	5.497	5.597	188		
	3	5.61	5.56	5.66	186		
	4	5.706	5.656	5.756	197		
	5	6.003	5.953	6.053	187		
	1	4.719	4.669	4.769	198		
COLUMN 2	2	4.738	4.688	4.788	201	198	
	3	4.914	4.864	4.964	202		
	4	4.956	4.906	5.006	204		
	5	5.169	5.119	5.219	184		
Aroclor-1254	1	6.381	6.331	6.431	109	129	1.56
COLUMN 1	2	6.6	6.55	6.65	78.4		
	3	6.966	6.916	7.016	60.8		
	4	7.252	7.202	7.302	46.7		
	5	7.673	7.623	7.723	349		
	1	5.52	5.47	5.57	91.1		
COLUMN 2	2	5.667	5.617	5.717	107	127	
	3	6.084	6.034	6.134	117		
	4	6.297	6.247	6.347	36.2		
	5	6.714	6.664	6.764	284		

IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

Aroclor-1260	1	7.134	7.084	7.184	200	189	9.57
	2	7.391	7.341	7.441	223		
	3	7.753	7.703	7.803	158		
	4	7.977	7.927	8.027	186		
	5	8.293	8.243	8.343	179		
COLUMN 1							
	1	6.2	6.15	6.25	229		
	2	6.387	6.337	6.437	223		
	3	6.54	6.49	6.59	216		
	4	7.011	6.961	7.061	180		
COLUMN 2	5	7.252	7.202	7.302	190	208	

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SOIL-4

Contract: BAPS03

Lab Code: CHEM

Case No.: P4822

SAS No.: P4822

SDG NO.: P4822

Lab Sample ID: P4822-08

Date(s) Analyzed: 11/13/2024

11/13/2024

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

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

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

Data file PO107936.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1254	1	6.382	6.332	6.432	32.5	38.1	2.08
COLUMN 1	2	6.602	6.552	6.652	21.0		
	3	6.967	6.917	7.017	33.7		
	4	7.252	7.202	7.302	22.6		
	5	7.675	7.625	7.725	80.6		
	1	5.522	5.472	5.572	21.8		
COLUMN 2	2	5.668	5.618	5.718	17.2	38.9	
	3	6.071	6.021	6.121	38.5		
	4	6.298	6.248	6.348	19.0		
	5	6.715	6.665	6.765	98.0		
Aroclor-1260	1	7.134	7.084	7.184	35.6	31.1	2.85
COLUMN 1	2	7.391	7.341	7.441	50.1		
	3	7.754	7.704	7.804	22.8		
	4	7.966	7.916	8.016	23.3		
	5	8.294	8.244	8.344	23.6		
	1	6.201	6.151	6.251	45.0		
COLUMN 2	2	6.388	6.338	6.438	35.5	32.0	
	3	6.541	6.491	6.591	32.2		
	4	7.012	6.962	7.062	25.2		
	5	7.253	7.203	7.303	22.2		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SOIL-5

Contract: BAPS03

Lab Code: CHEM

Case No.: P4822

SAS No.: P4822

SDG NO.: P4822

Lab Sample ID: P4822-10

Date(s) Analyzed: 11/13/2024

11/13/2024

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

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

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

Data file PO107937.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1254	1	6.381	6.331	6.431	14.1	16.5	0
COLUMN 1	2	6.6	6.55	6.65	12.4		
	3	6.966	6.916	7.016	13.1		
	4	7.252	7.202	7.302	9.64		
	5	7.674	7.624	7.724	33.1		
	1	5.521	5.471	5.571	12.0		
COLUMN 2	2	5.667	5.617	5.717	12.0	16.5	
	3	6.071	6.021	6.121	15.8		
	4	6.297	6.247	6.347	8.79		
	5	6.714	6.664	6.764	34.0		
Aroclor-1260	1	7.134	7.084	7.184	14.7	12.5	0.8
COLUMN 1	2	7.39	7.34	7.44	19.9		
	3	7.753	7.703	7.803	10.0		
	4	7.966	7.916	8.016	9.39		
	5	8.292	8.242	8.342	8.36		
	1	6.2	6.15	6.25	19.2	12.6	
COLUMN 2	2	6.388	6.338	6.438	15.7		
	3	6.541	6.491	6.591	11.0		
	4	7.012	6.962	7.062	7.55		
	5	7.253	7.203	7.303	9.85		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SOIL-6

Contract: BAPS03

Lab Code: CHEM

Case No.: P4822

SAS No.: P4822

SDG NO.: P4822

Lab Sample ID: P4822-12

Date(s) Analyzed: 11/13/2024

11/13/2024

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

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

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

Data file PO107938.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1254	1	6.385	6.335	6.435	30.9	21.6	23.83
COLUMN 1	2	6.604	6.554	6.654	15.8		
	3	6.967	6.917	7.017	15.0		
	4	7.252	7.202	7.302	8.95		
	5	7.675	7.625	7.725	37.6		
	1	5.525	5.475	5.575	19.1		
COLUMN 2	2	5.668	5.618	5.718	8.40	17.0	
	3	6.07	6.02	6.12	15.8		
	4	6.296	6.246	6.346	4.91		
	5	6.715	6.665	6.765	37.0		
Aroclor-1260	1	7.134	7.084	7.184	16.3	14.1	2.8
COLUMN 1	2	7.39	7.34	7.44	25.5		
	3	7.754	7.704	7.804	10.4		
	4	7.966	7.916	8.016	9.21		
	5	8.293	8.243	8.343	9.34		
	1	6.201	6.151	6.251	23.3		
COLUMN 2	2	6.388	6.338	6.438	14.8	14.5	
	3	6.541	6.491	6.591	12.8		
	4	7.011	6.961	7.061	10.5		
	5	7.253	7.203	7.303	11.1		



QC SAMPLE DATA

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	
Project:	BAPS North Bergen	Date Received:	
Client Sample ID:	PB164938BL	SDG No.:	P4822
Lab Sample ID:	PB164938BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107921.D	1	11/13/24 08:40	11/13/24 12:31	PB164938

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.6		30 (32) - 150 (144)	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.1		30 (32) - 150 (175)	96%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
Data File : PO107921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 12:31
Operator : YP/AJ
Sample : PB164938BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB164938BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 23:32:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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...	4.371	3.639	166.6E6	61805821	18.558	18.402
2) SA Decachlor...	10.081	8.633	54743808	60329394	18.467	19.097

Target Compounds

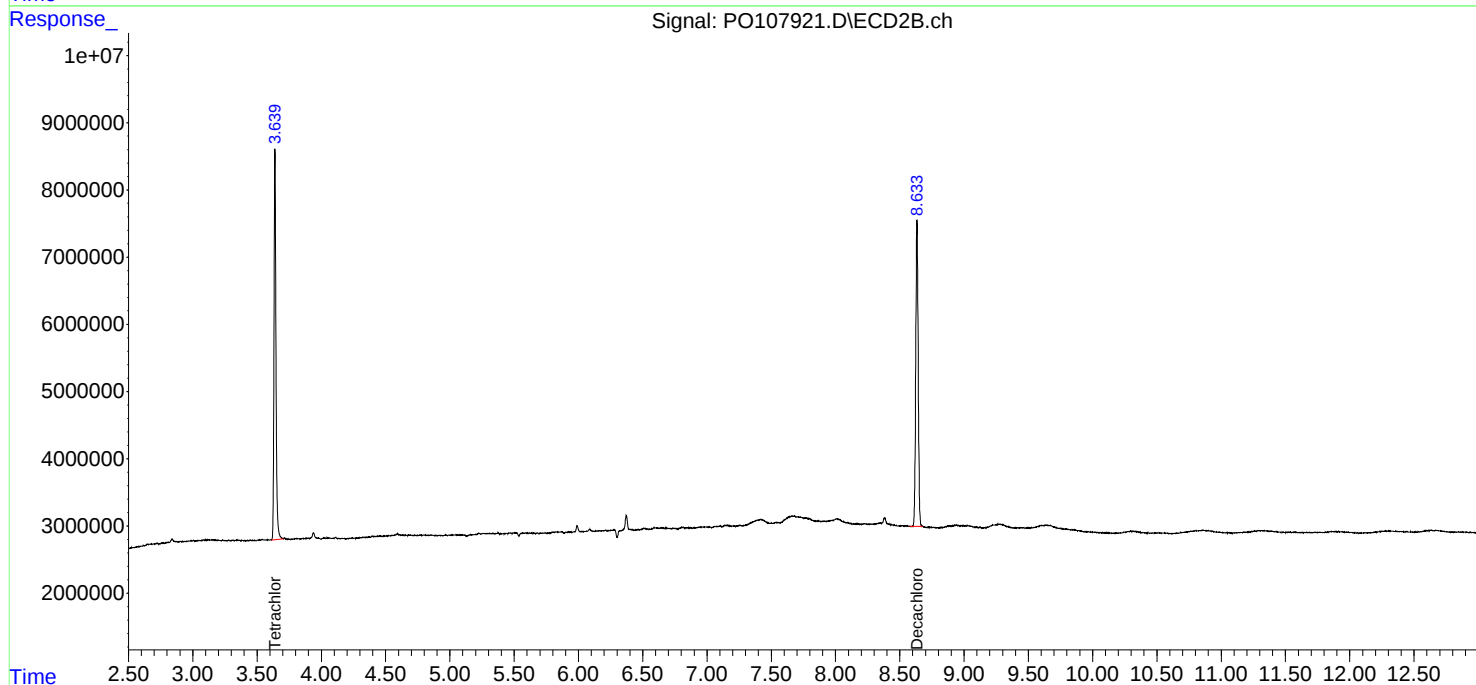
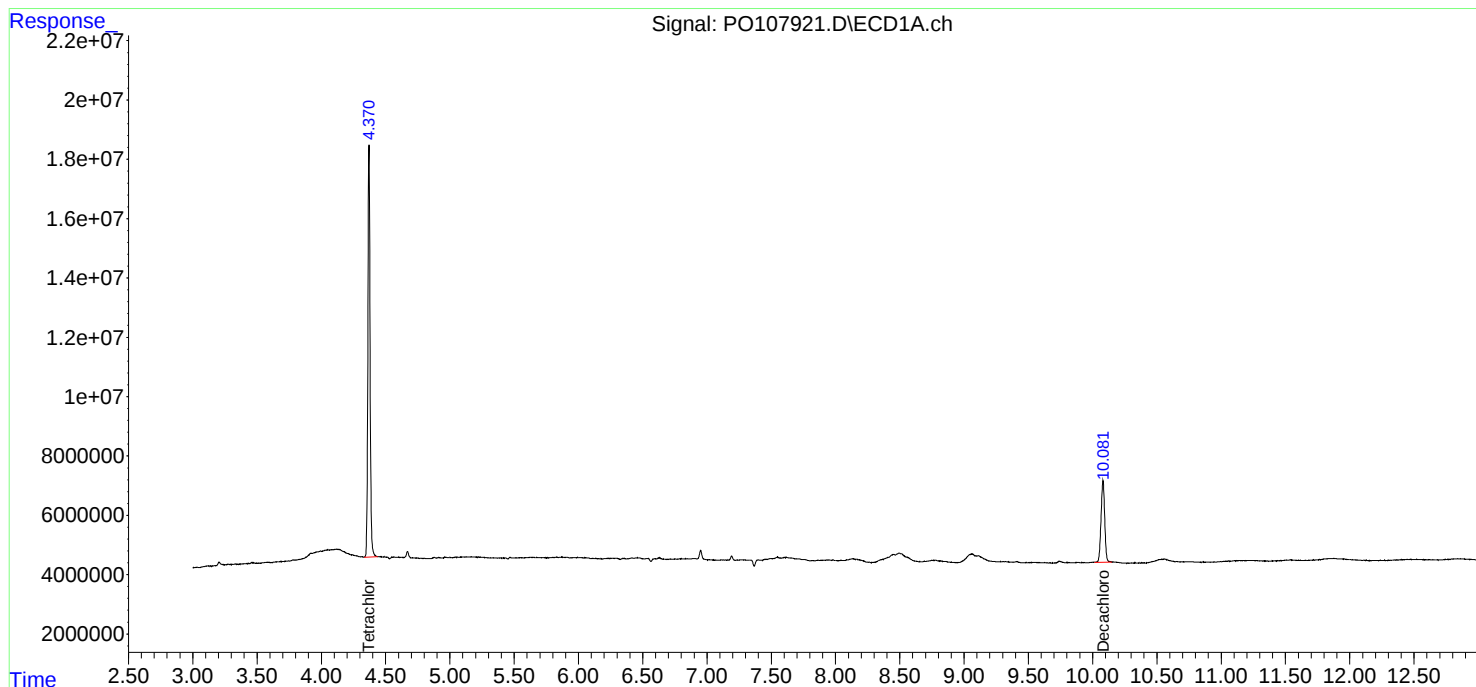
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

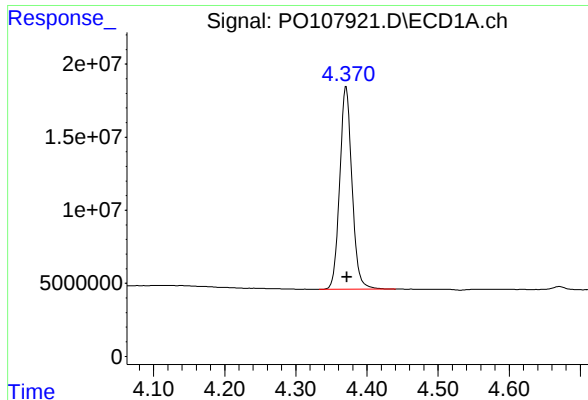
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
Data File : PO107921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 12:31
Operator : YP/AJ
Sample : PB164938BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB164938BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 23:32:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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

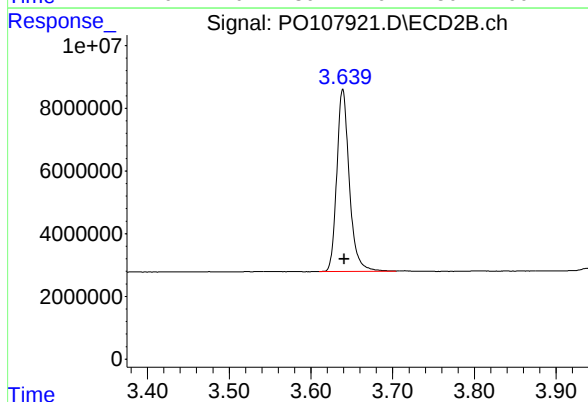




#1 Tetrachloro-m-xylene

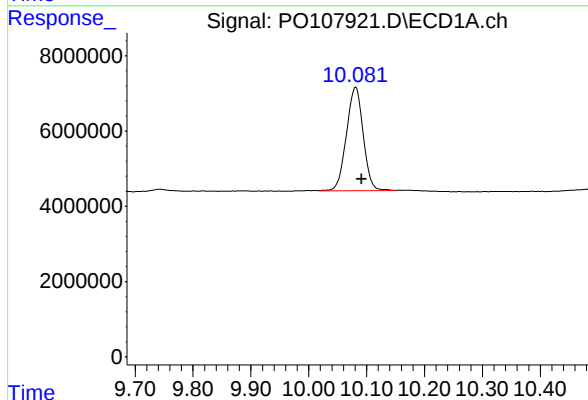
R.T.: 4.371 min
Delta R.T.: -0.001 min
Response: 166582582
Conc: 18.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164938BL



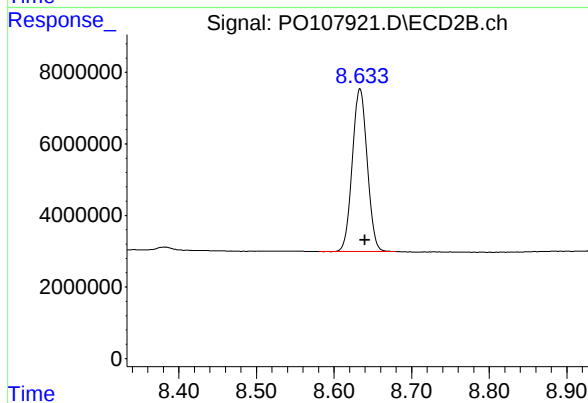
#1 Tetrachloro-m-xylene

R.T.: 3.639 min
Delta R.T.: -0.002 min
Response: 61805821
Conc: 18.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.081 min
Delta R.T.: -0.010 min
Response: 54743808
Conc: 18.47 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.633 min
Delta R.T.: -0.007 min
Response: 60329394
Conc: 19.10 ng/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/11/24
Project:	BAPS North Bergen	Date Received:	11/11/24
Client Sample ID:	PIBLK-PO107842.D	SDG No.:	P4822
Lab Sample ID:	I.BLK-PO107842.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107842.D	1		11/11/24	PO111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.6		70 (60) - 130 (140)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		70 (60) - 130 (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_O\Data\PO111124\
Data File : PO107842.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 17:14
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 02:44:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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...	4.372	3.641	188.8E6	69359669	21.029	20.651
2) SA Decachlor...	10.091	8.639	68801441	70073981	23.209	22.181

Target Compounds

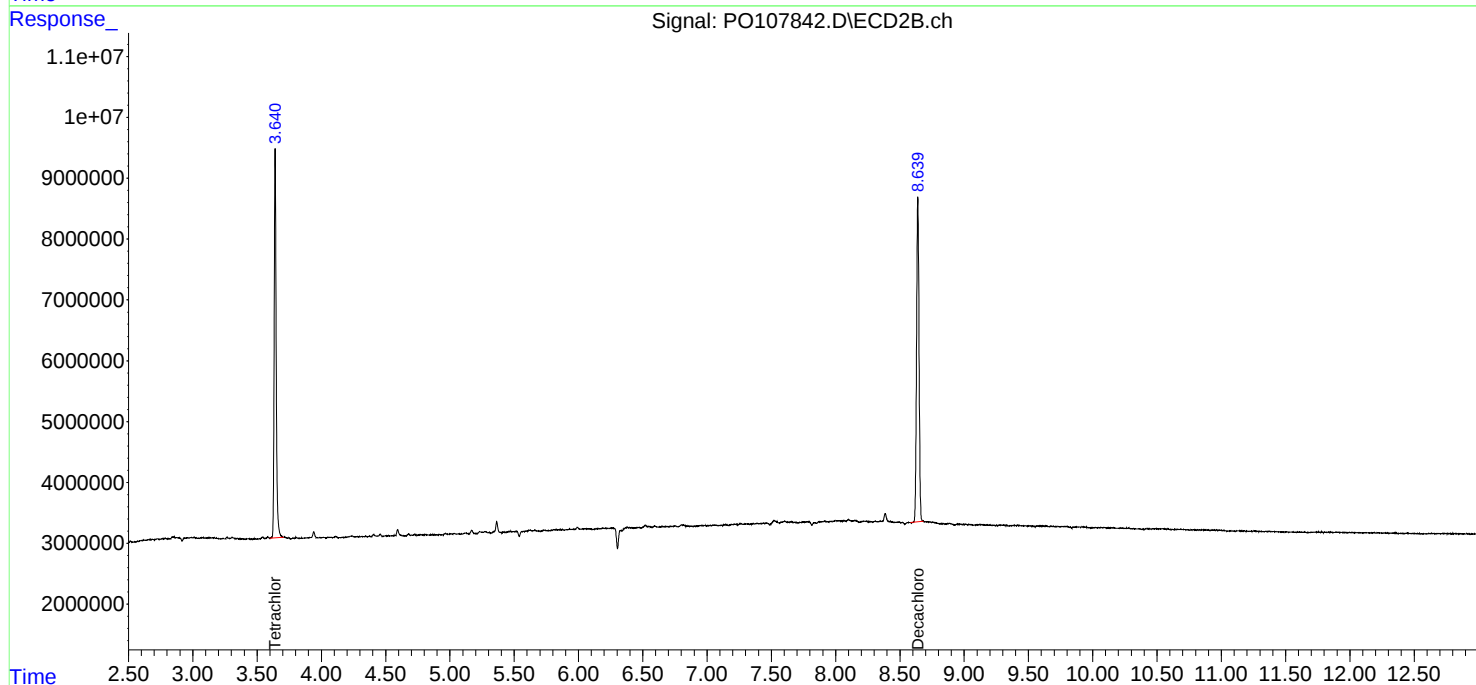
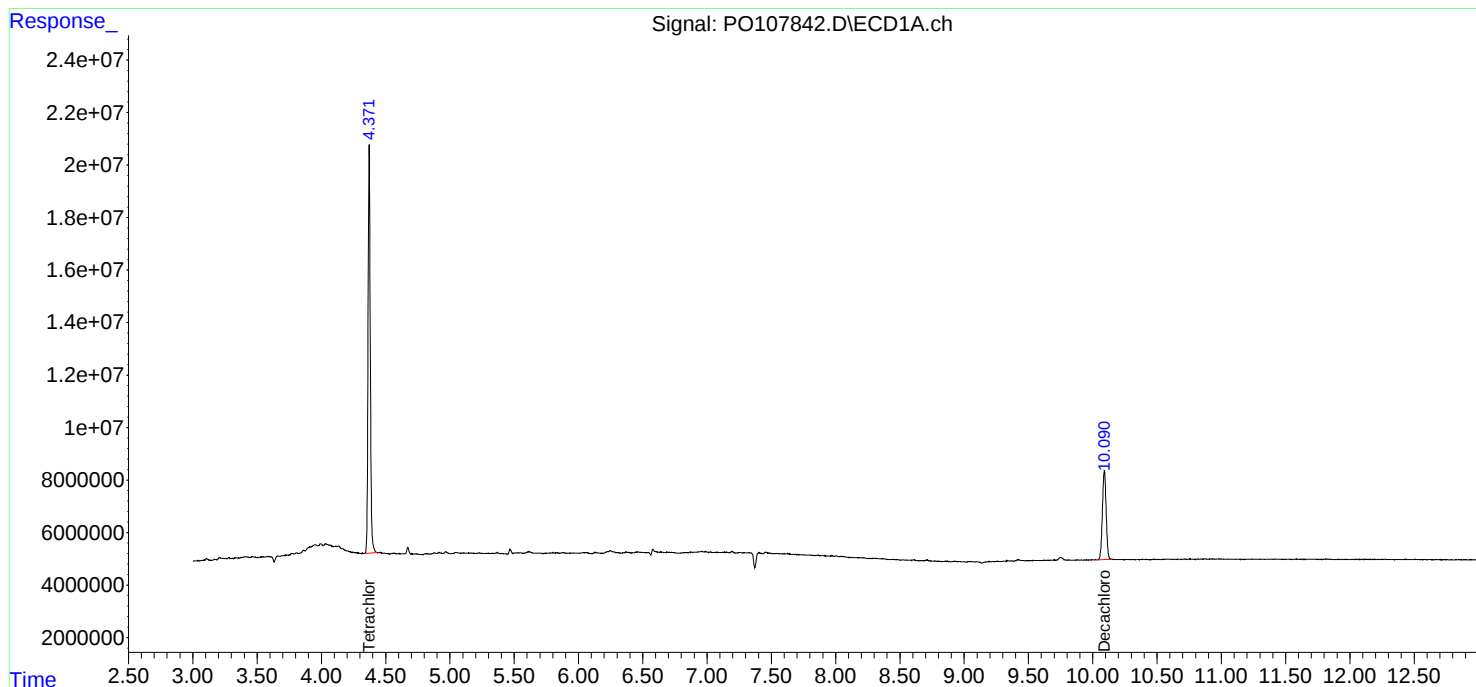
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

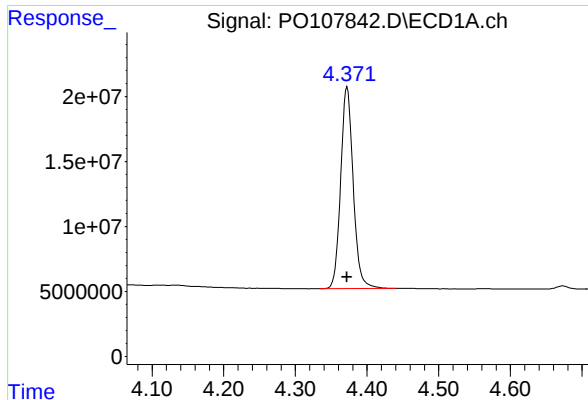
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111124\
Data File : PO107842.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 17:14
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 02:44:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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

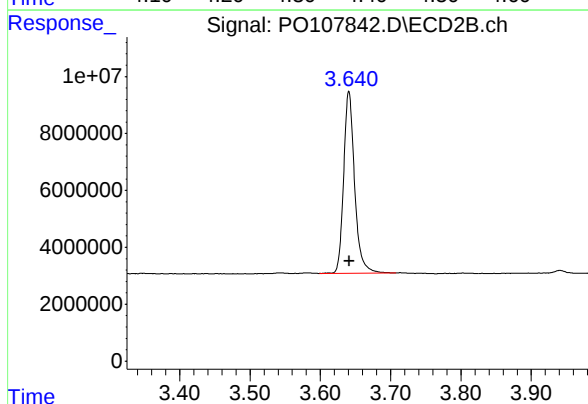




#1 Tetrachloro-m-xylene

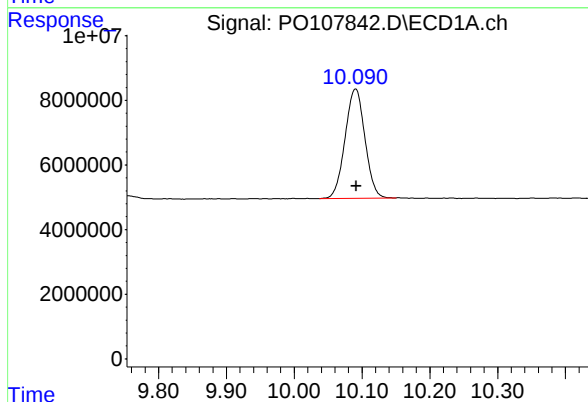
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 188766446
Conc: 21.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



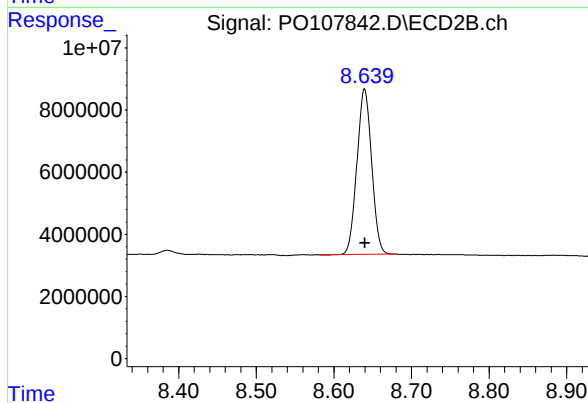
#1 Tetrachloro-m-xylene

R.T.: 3.641 min
Delta R.T.: 0.000 min
Response: 69359669
Conc: 20.65 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.091 min
Delta R.T.: 0.000 min
Response: 68801441
Conc: 23.21 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 70073981
Conc: 22.18 ng/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/13/24
Project:	BAPS North Bergen	Date Received:	11/13/24
Client Sample ID:	PIBLK-PO107916.D	SDG No.:	P4822
Lab Sample ID:	I.BLK-PO107916.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107916.D	1		11/13/24	PO111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.6		70 (60) - 130 (140)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.5		70 (60) - 130 (140)	103%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
 Data File : PO107916.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 10:53
 Operator : YP/AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 23:29:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.372	3.639	187.7E6	69212818	20.907	20.607
2) SA Decachlor...	10.083	8.634	60809707	69907521	20.513	22.129

Target Compounds

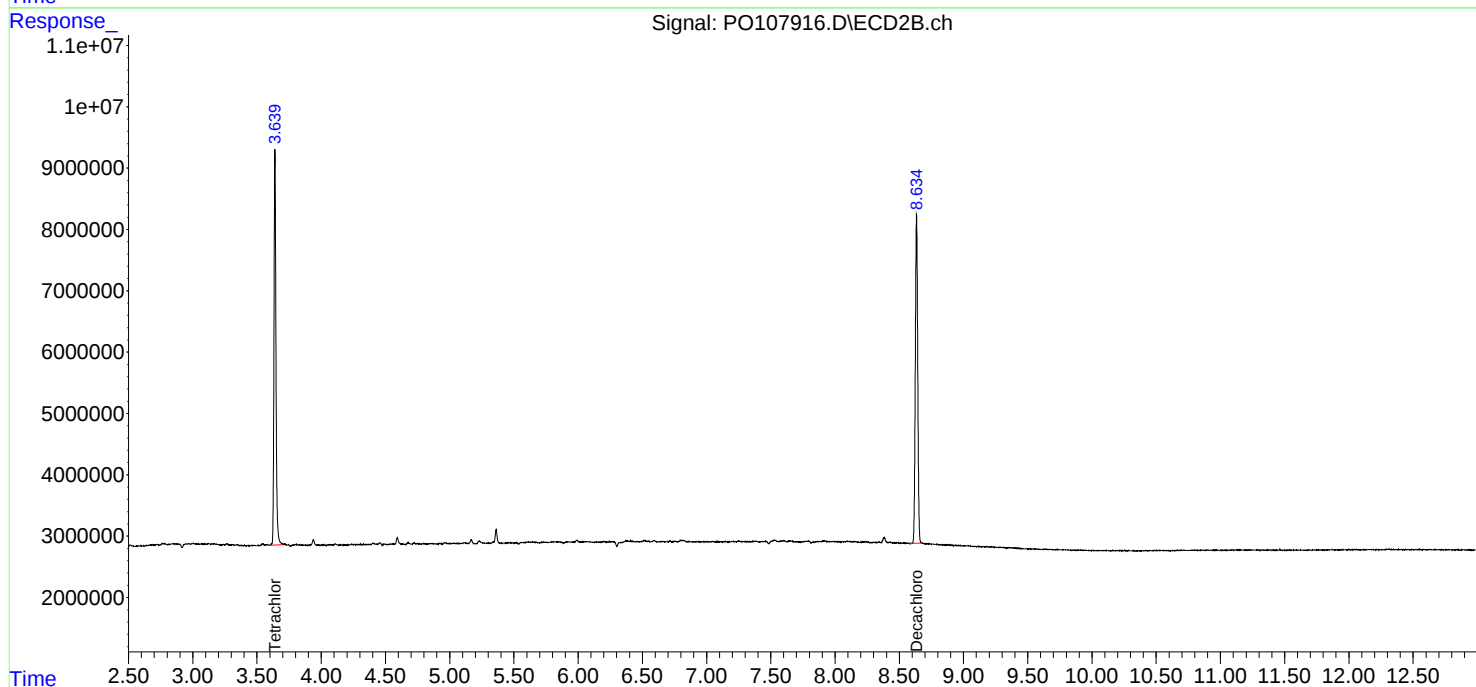
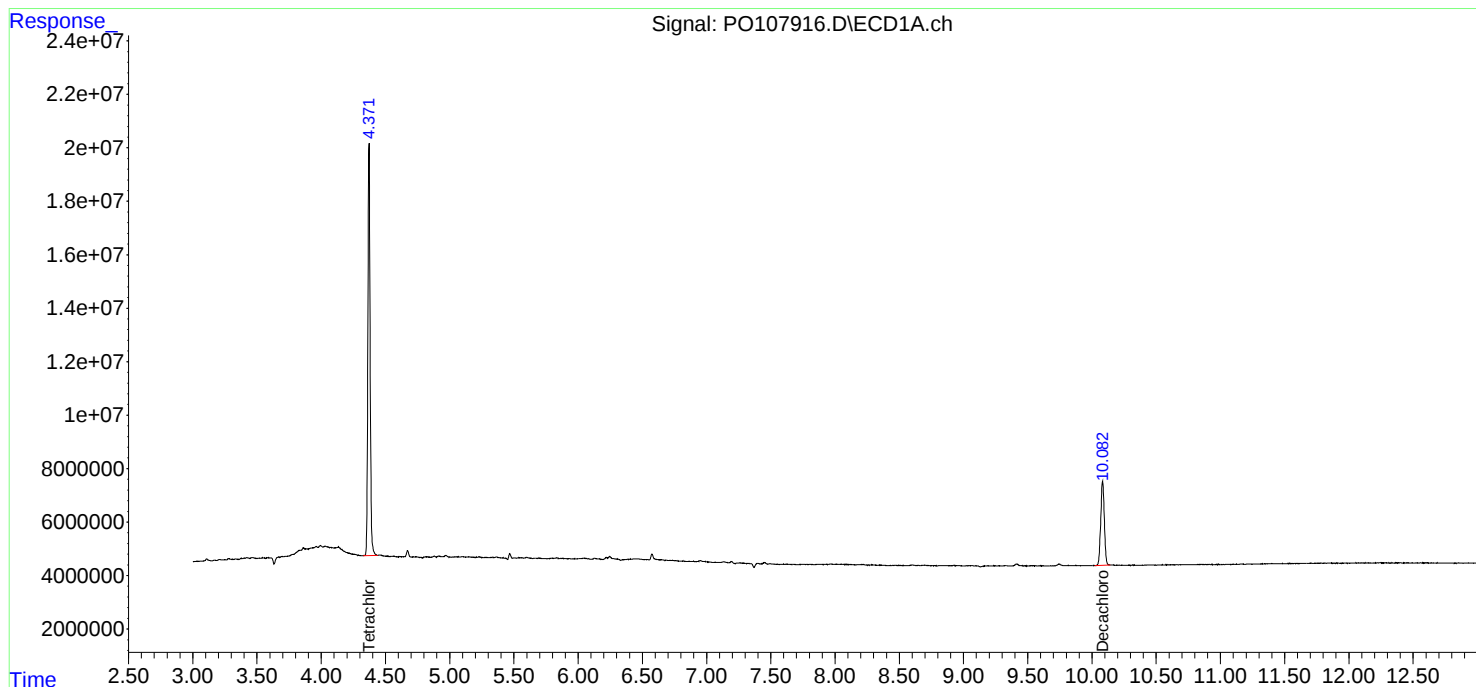
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

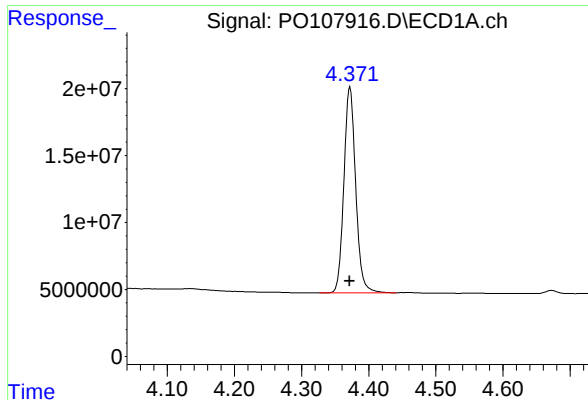
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
Data File : PO107916.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 10:53
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 23:29:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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

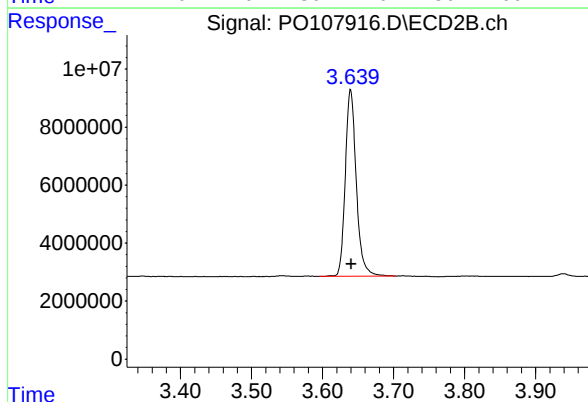




#1 Tetrachloro-m-xylene

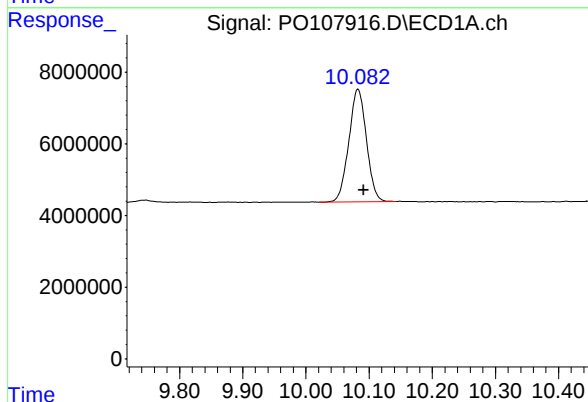
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 187664221
Conc: 20.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



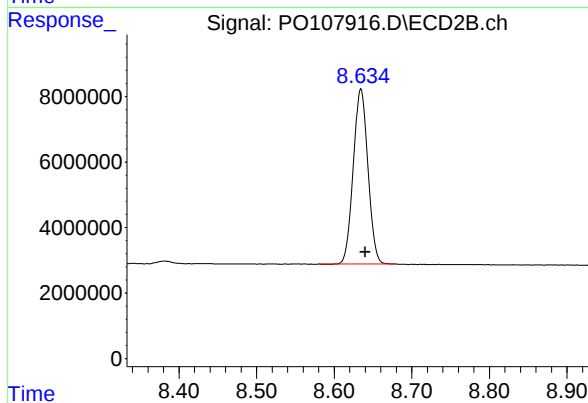
#1 Tetrachloro-m-xylene

R.T.: 3.639 min
Delta R.T.: -0.001 min
Response: 69212818
Conc: 20.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.083 min
Delta R.T.: -0.009 min
Response: 60809707
Conc: 20.51 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.006 min
Response: 69907521
Conc: 22.13 ng/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/13/24
Project:	BAPS North Bergen	Date Received:	11/13/24
Client Sample ID:	PIBLK-PO107930.D	SDG No.:	P4822
Lab Sample ID:	I.BLK-PO107930.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107930.D	1		11/13/24	PO111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		70 (60) - 130 (140)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.8		70 (60) - 130 (140)	104%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
 Data File : PO107930.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 14:59
 Operator : YP/AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 23:37:47 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.370	3.639	185.2E6	68864322	20.636	20.504
2) SA Decachlor...	10.080	8.633	61707574	68451389	20.816	21.668

Target Compounds

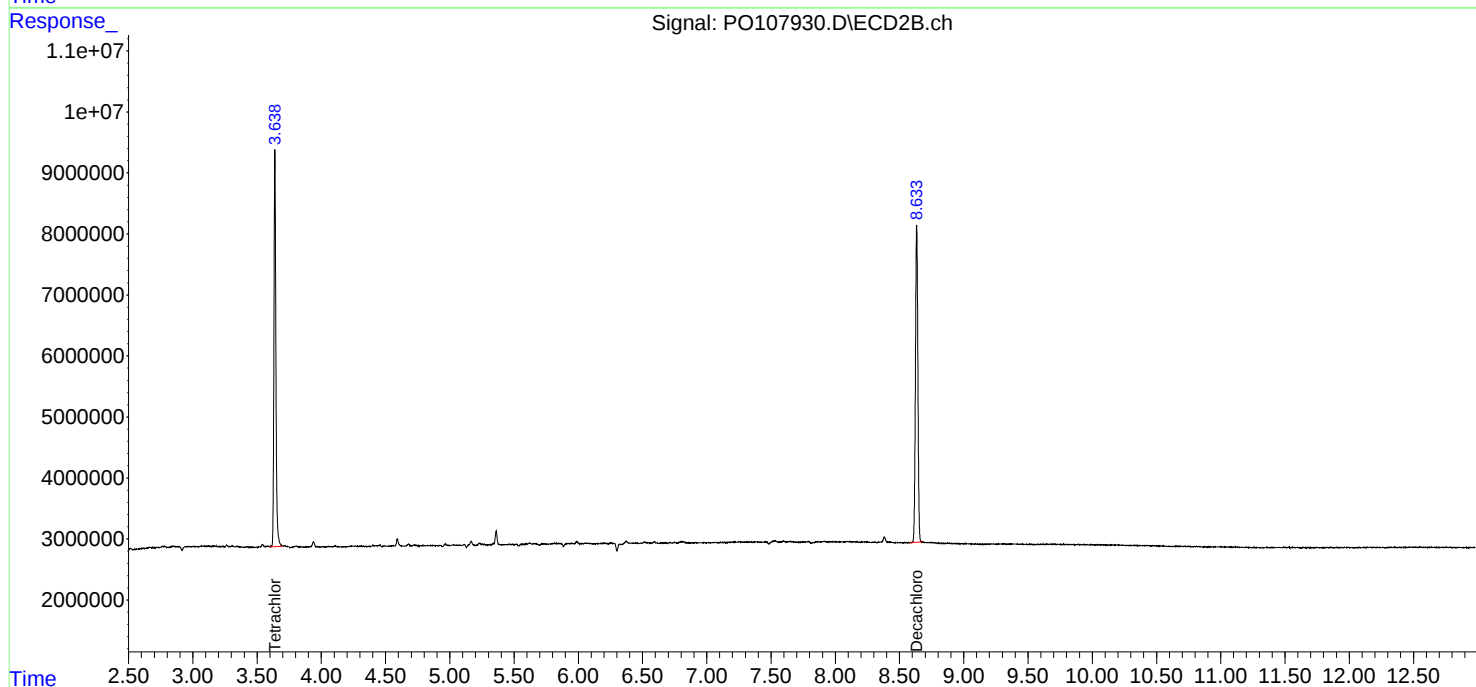
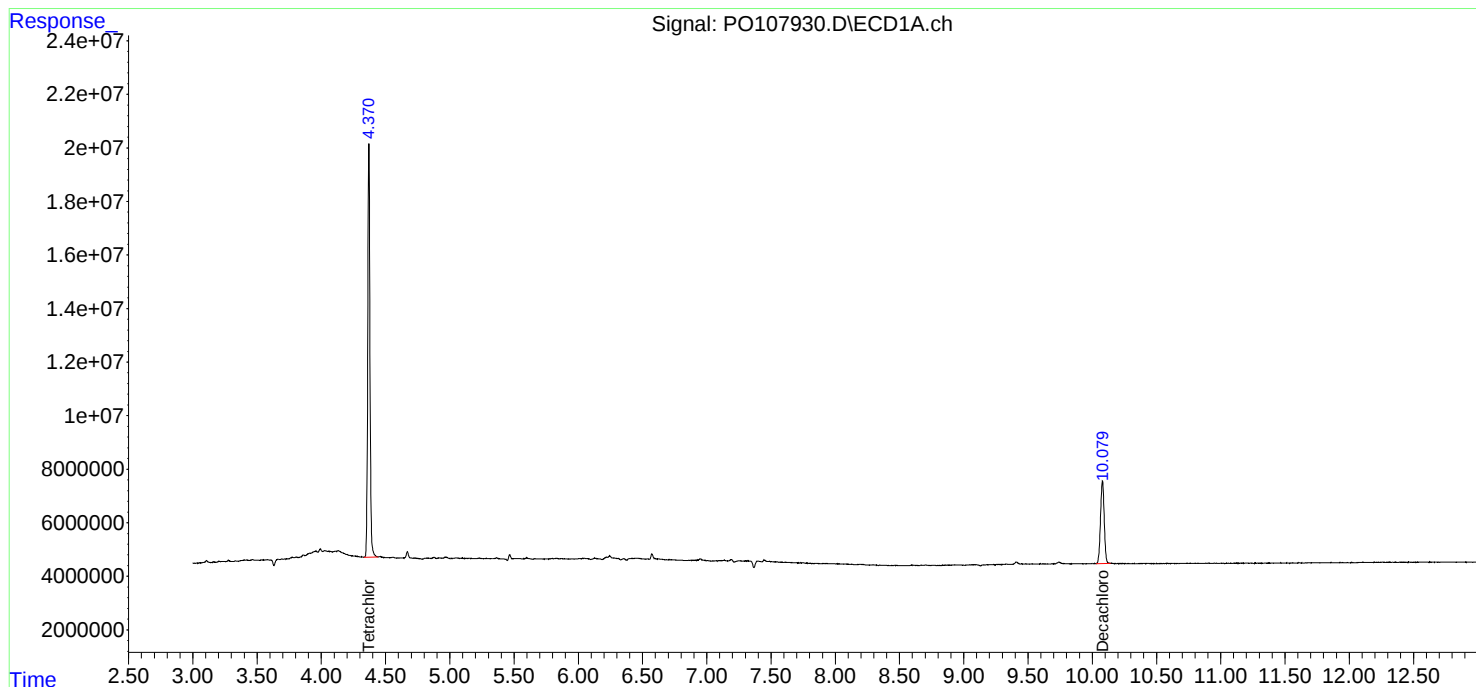
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

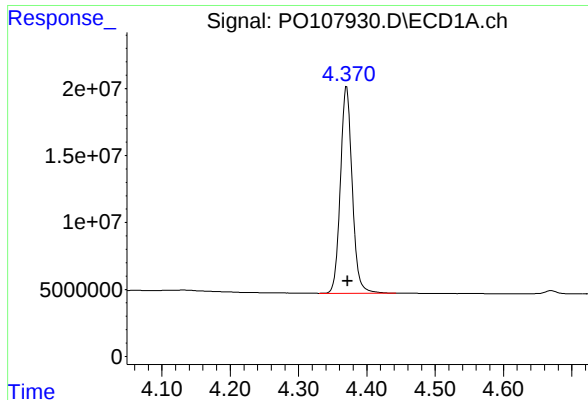
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
Data File : PO107930.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 14:59
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 23:37:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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

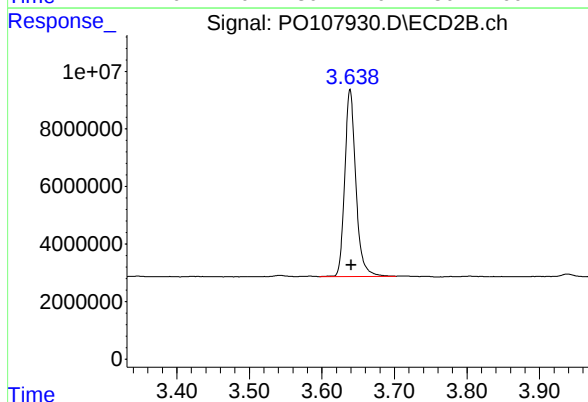




#1 Tetrachloro-m-xylene

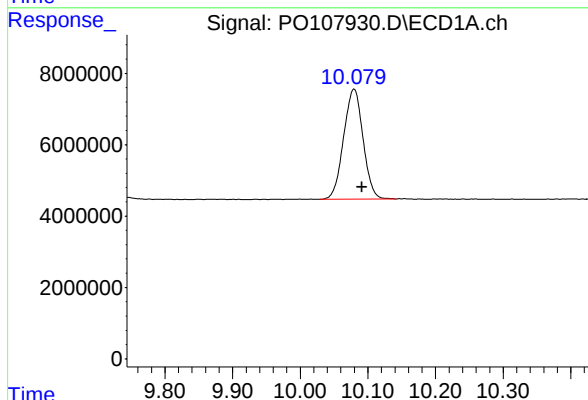
R.T.: 4.370 min
Delta R.T.: -0.002 min
Response: 185237715
Conc: 20.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



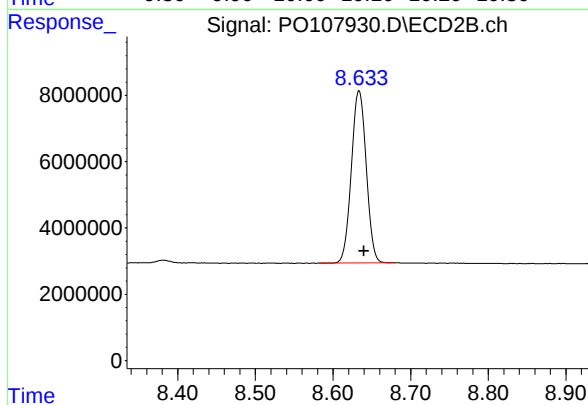
#1 Tetrachloro-m-xylene

R.T.: 3.639 min
Delta R.T.: -0.002 min
Response: 68864322
Conc: 20.50 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.080 min
Delta R.T.: -0.012 min
Response: 61707574
Conc: 20.82 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.633 min
Delta R.T.: -0.006 min
Response: 68451389
Conc: 21.67 ng/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/13/24
Project:	BAPS North Bergen	Date Received:	11/13/24
Client Sample ID:	PIBLK-PO107944.D	SDG No.:	P4822
Lab Sample ID:	I.BLK-PO107944.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107944.D	1		11/13/24	PO111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		70 (60) - 130 (140)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.5		70 (60) - 130 (140)	102%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
 Data File : PO107944.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 19:37
 Operator : YP/AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 23:46:23 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.370	3.639	185.7E6	69502696	20.686	20.694
2) SA Decachlor...	10.080	8.633	60691516	66012636	20.474	20.896

Target Compounds

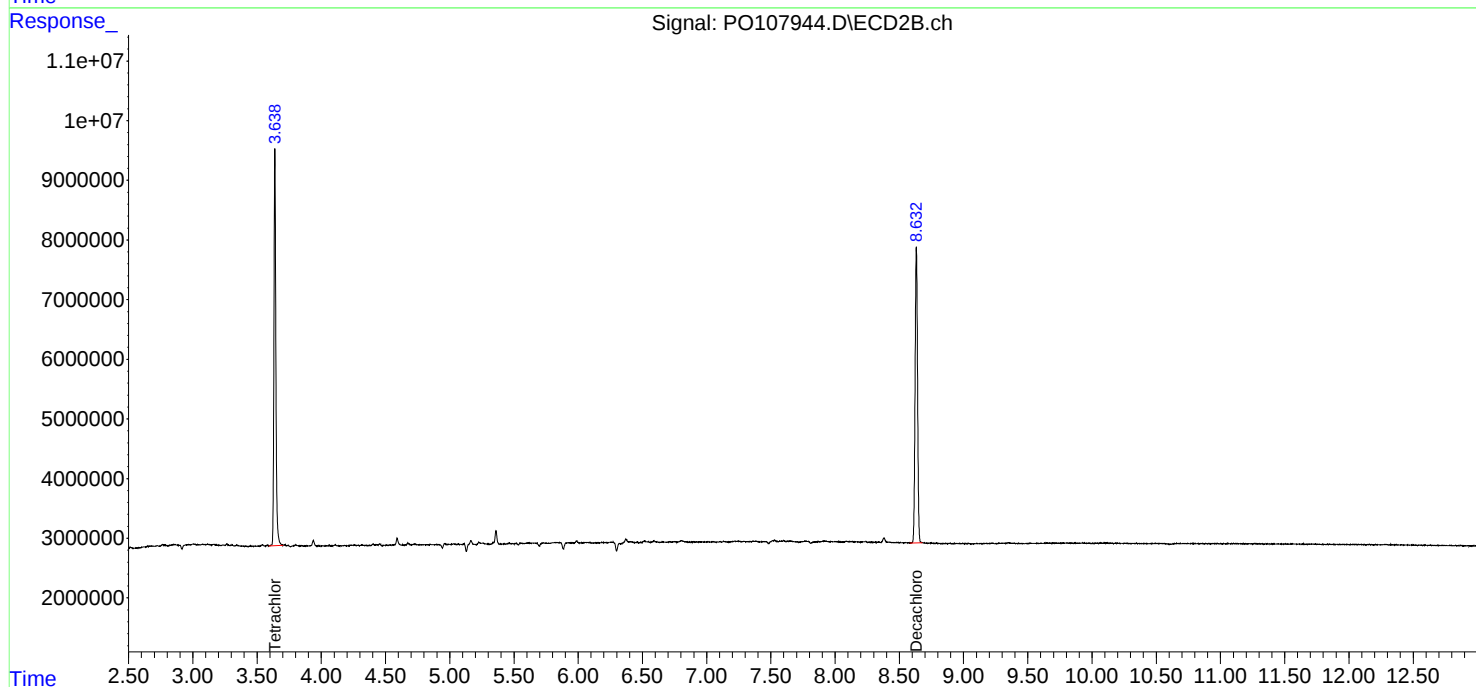
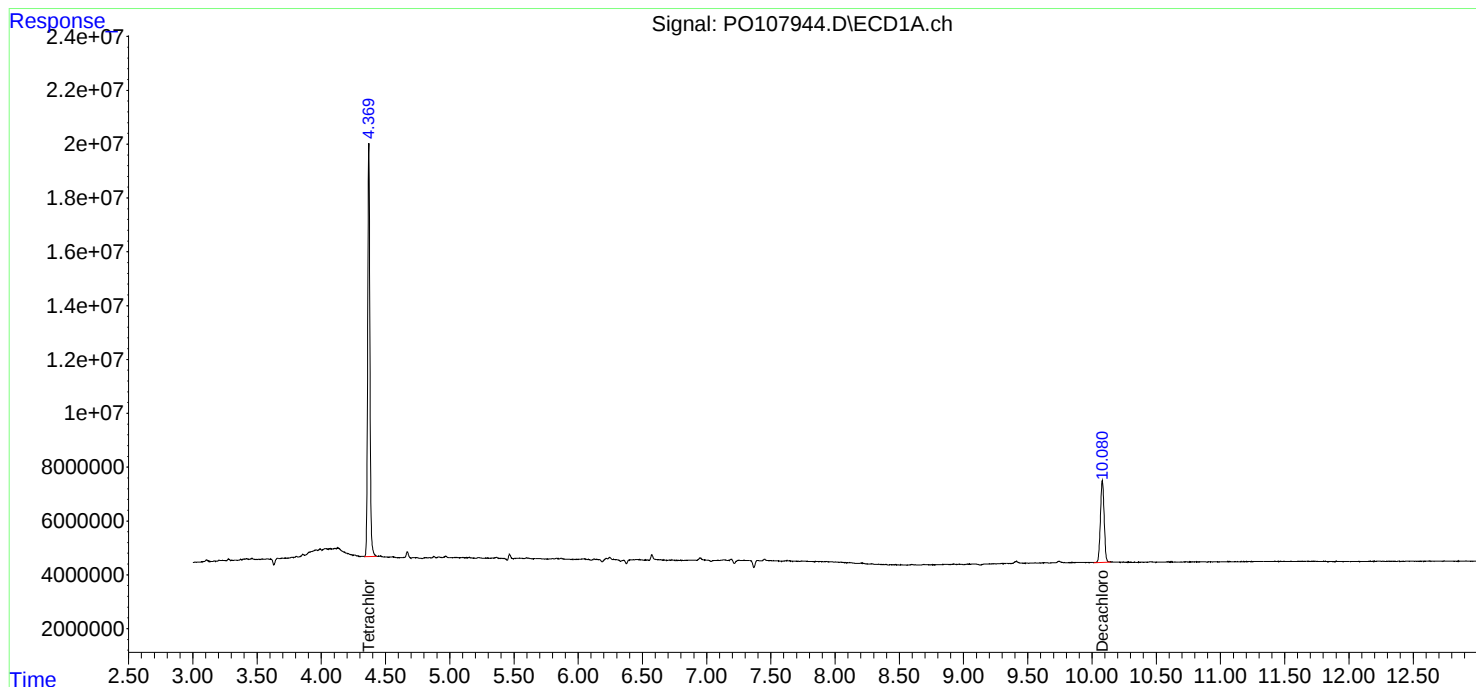
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

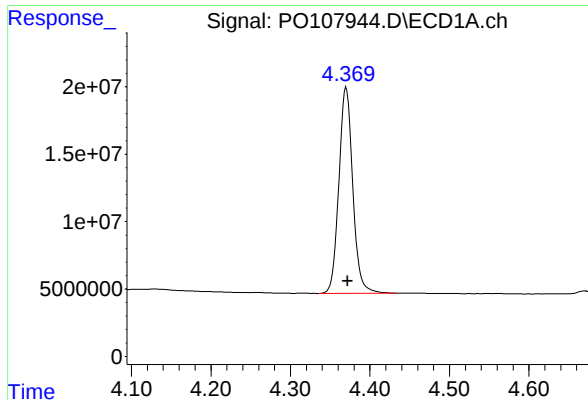
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
Data File : PO107944.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 19:37
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 23:46:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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

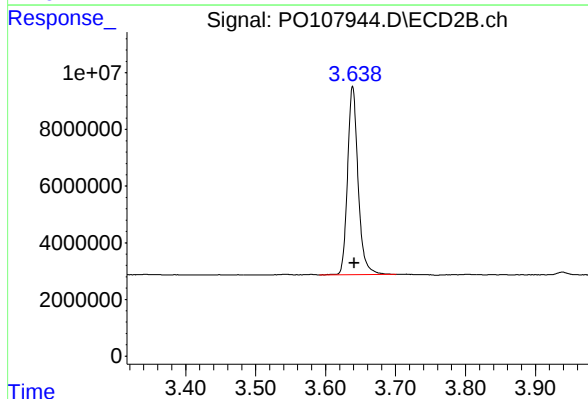




#1 Tetrachloro-m-xylene

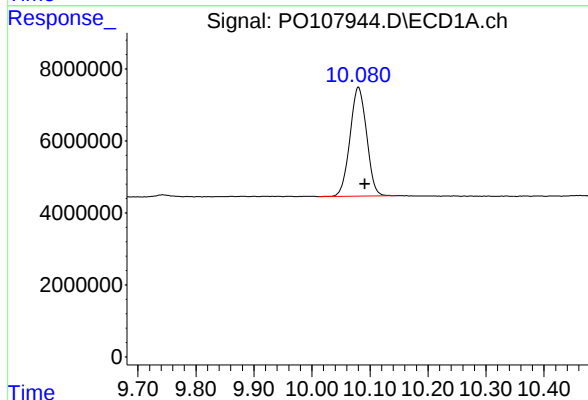
R.T.: 4.370 min
Delta R.T.: -0.002 min
Response: 185682391
Conc: 20.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



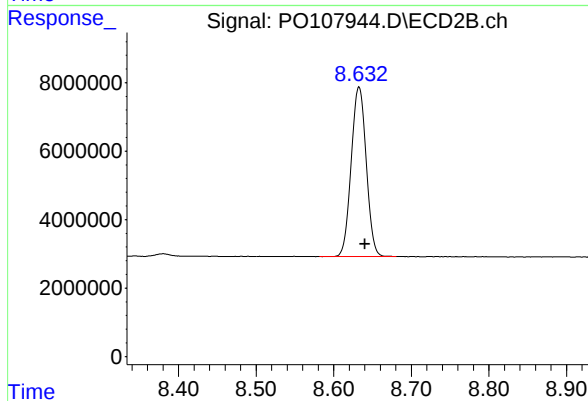
#1 Tetrachloro-m-xylene

R.T.: 3.639 min
Delta R.T.: -0.002 min
Response: 69502696
Conc: 20.69 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.080 min
Delta R.T.: -0.011 min
Response: 60691516
Conc: 20.47 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.633 min
Delta R.T.: -0.007 min
Response: 66012636
Conc: 20.90 ng/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	
Project:	BAPS North Bergen	Date Received:	
Client Sample ID:	PB164938BS	SDG No.:	P4822
Lab Sample ID:	PB164938BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107922.D	1	11/13/24 08:40	11/13/24 12:48	PB164938

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	152		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	151		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		30 (32) - 150 (144)	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.5		30 (32) - 150 (175)	102%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
 Data File : PO107922.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 12:48
 Operator : YP/AJ
 Sample : PB164938BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB164938BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 23:32:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.372	3.639	174.6E6	62174923	19.447	18.512
2) SA Decachlor...	10.081	8.634	57540195	64672196	19.411	20.471
Target Compounds						
3) L1 AR-1016-1	5.525	4.720	121.8E6	48821314	454.667	460.103
4) L1 AR-1016-2	5.548	4.739	175.7E6	68902436	452.449	464.232
5) L1 AR-1016-3	5.610	4.915	110.5E6	37069346	444.666	464.345
6) L1 AR-1016-4	5.707	4.957	88606749	28130048	454.617	455.690
7) L1 AR-1016-5	6.003	5.170	82011452	36201083	442.332	433.754
31) L7 AR-1260-1	7.134	6.201	127.8E6	73508015	445.004	477.096
32) L7 AR-1260-2	7.391	6.388	131.4E6	89874263	444.069	478.910
33) L7 AR-1260-3	7.754	6.541	80086143	84185927	348.383	479.483 #
34) L7 AR-1260-4	7.978	7.013	86580633	61981949	364.352	413.652
35) L7 AR-1260-5	8.293	7.254	142.1E6	152.3E6	367.863	418.286

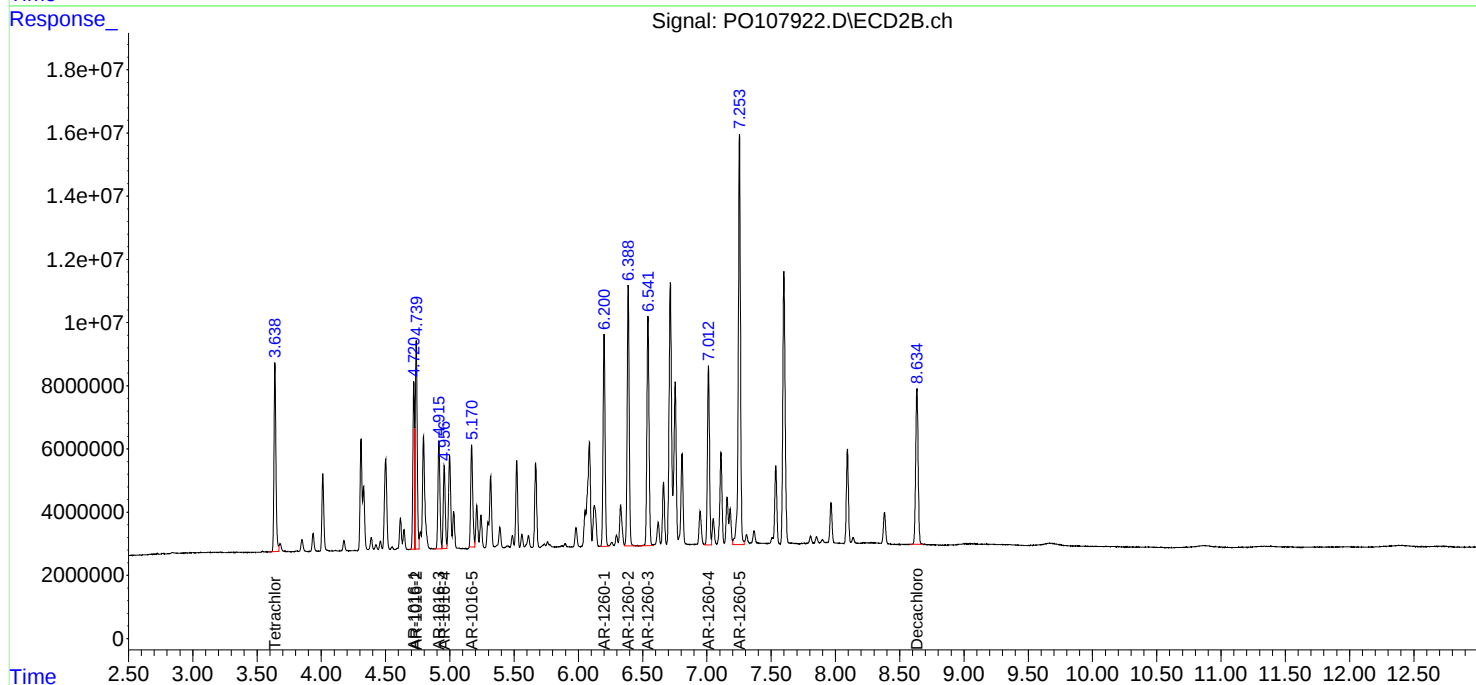
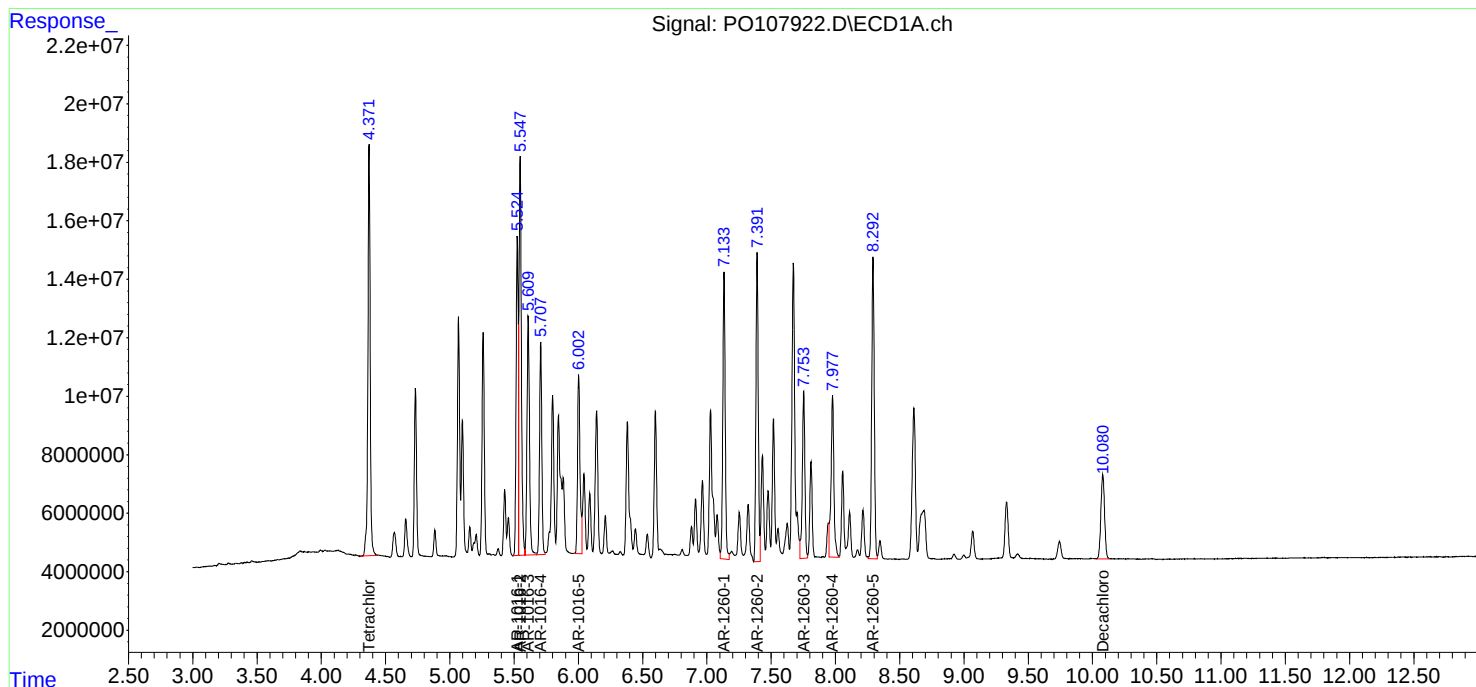
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
Data File : PO107922.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 12:48
Operator : YP/AJ
Sample : PB164938BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB164938BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 23:32:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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



Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-3MS	SDG No.:	P4822
Lab Sample ID:	P4822-06MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.4
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107934.D	1	11/13/24 08:40	11/13/24 16:06	PB164938

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	203		3.70	18.6	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.6	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.6	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.6	ug/kg
12672-29-6	Aroclor-1248	8.60	U	8.60	18.6	ug/kg
11097-69-1	Aroclor-1254	134		3.00	18.6	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.6	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.6	ug/kg
11096-82-5	Aroclor-1260	216		3.20	18.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.1		30 (32) - 150 (144)	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		30 (32) - 150 (175)	101%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
 Data File : PO107934.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 16:06
 Operator : YP/AJ
 Sample : P4822-06MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

SOIL-3MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 23:40:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.370	3.639	198.3E6	71520604	22.093	21.295
2) SA Decachlor...	10.079	8.633	59890298	62724427	20.203	19.855
Target Compounds						
3) L1 AR-1016-1	5.523	4.720	147.0E6	59419733	548.729	559.985
4) L1 AR-1016-2	5.546	4.739	211.2E6	83804709	543.875	564.637
5) L1 AR-1016-3	5.608	4.915	133.6E6	45366715	537.586	568.282
6) L1 AR-1016-4	5.706	4.957	112.0E6	35537030	574.685	575.679
7) L1 AR-1016-5	6.002	5.169	97411846	43105640	525.395	516.483
26) L6 AR-1254-1	6.380	5.521	87734415	43901876	310.519m	260.079
27) L6 AR-1254-2	6.599	5.667	92443771	45656285	221.856	303.548 #
28) L6 AR-1254-3	6.966	6.084	68063669	84854780	174.363	342.670m#
29) L6 AR-1254-4	7.251	6.297	37624929	13870776	133.465	106.568
30) L6 AR-1254-5	7.671	6.715	265.7E6	171.3E6	994.178	812.086
31) L7 AR-1260-1	7.132	6.200	164.2E6	100.6E6	571.649	653.021
32) L7 AR-1260-2	7.390	6.388	188.6E6	119.1E6	637.543	634.523
33) L7 AR-1260-3	7.752	6.541	104.3E6	108.5E6	453.886	617.927 #
34) L7 AR-1260-4	7.977	7.012	129.0E6	77453779	542.952m	516.907
35) L7 AR-1260-5	8.293	7.253	193.6E6	197.0E6	501.241	541.185

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
Data File : PO107934.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 16:06
Operator : YP/AJ
Sample : P4822-06MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

SOIL-3MS

Manual Integrations

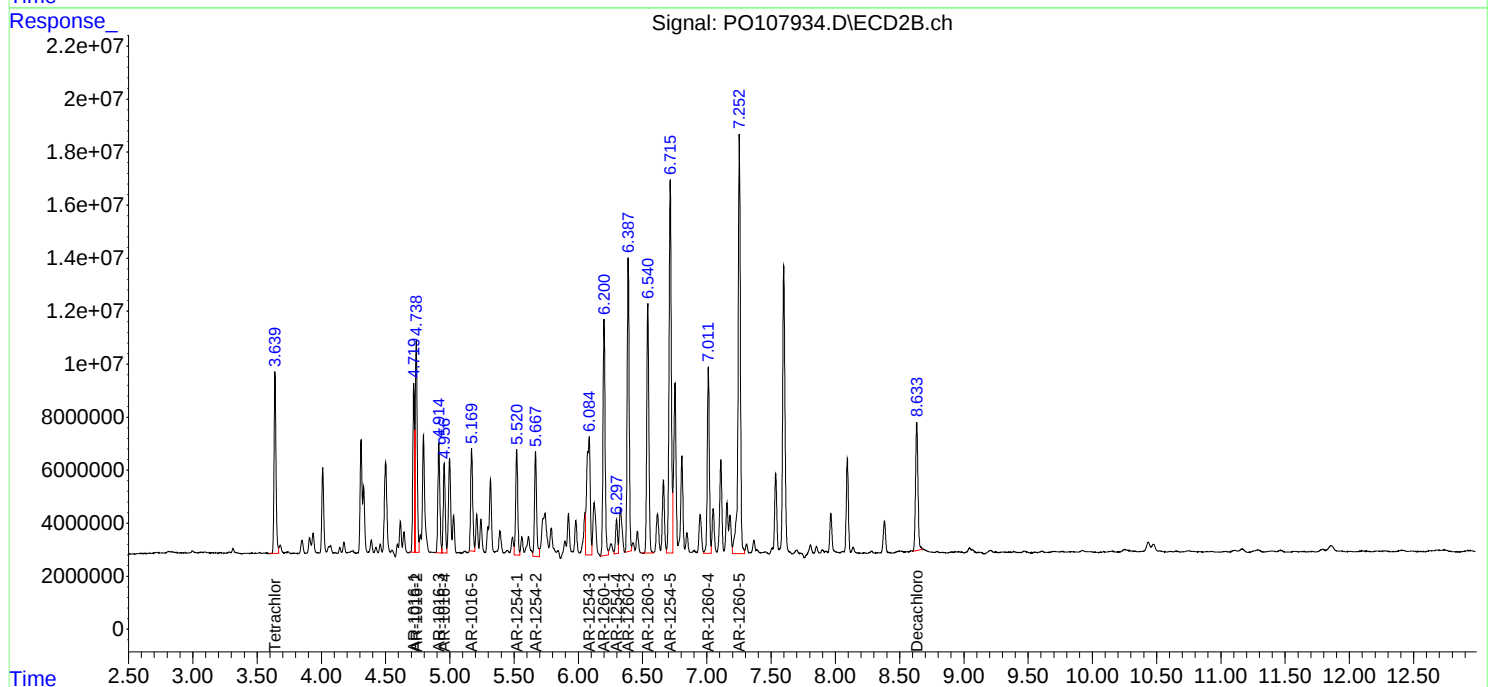
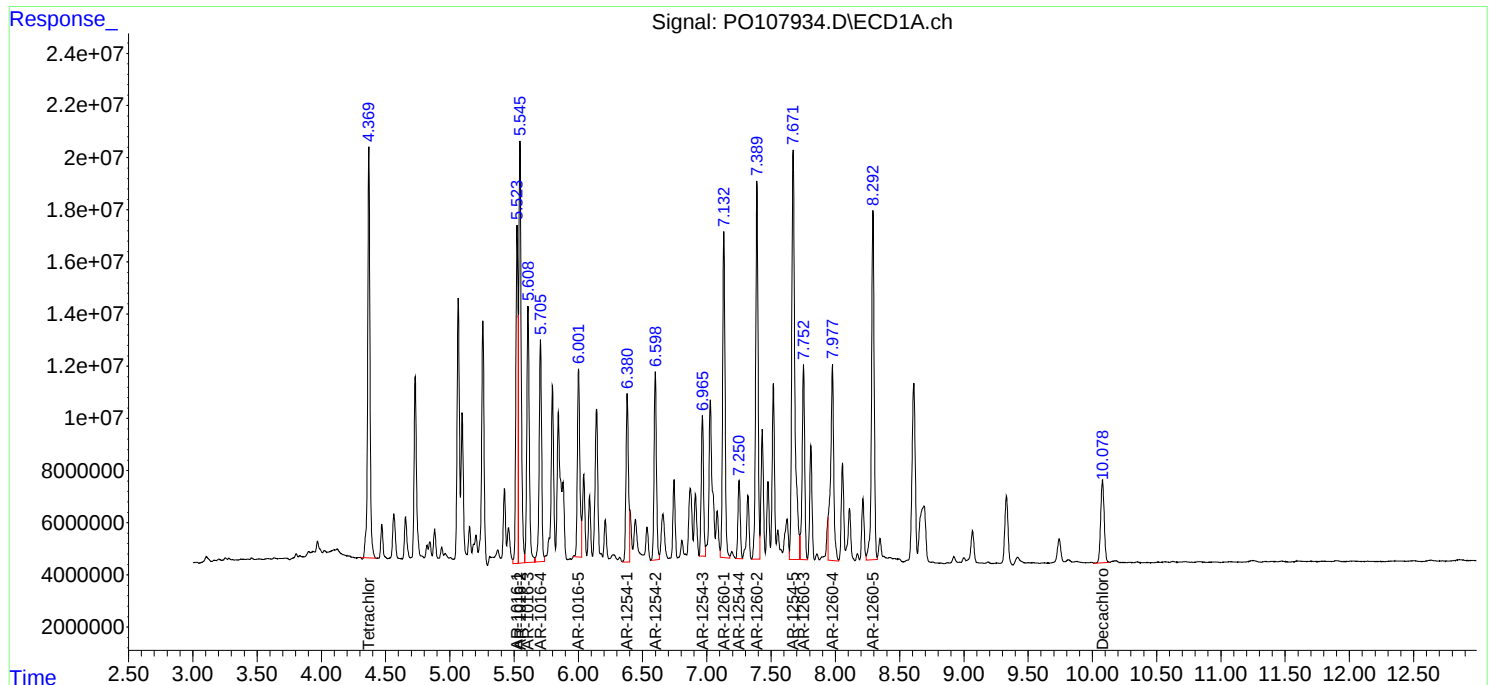
APPROVED

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 23:40:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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



Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-3MSD	SDG No.:	P4822
Lab Sample ID:	P4822-06MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.4
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107935.D	1	11/13/24 08:40	11/13/24 16:22	PB164938

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	198		3.70	18.6	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.6	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.6	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.6	ug/kg
12672-29-6	Aroclor-1248	8.60	U	8.60	18.6	ug/kg
11097-69-1	Aroclor-1254	129		3.00	18.6	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.6	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.6	ug/kg
11096-82-5	Aroclor-1260	208		3.20	18.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.2		30 (32) - 150 (144)	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.8		30 (32) - 150 (175)	99%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
 Data File : PO107935.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 16:22
 Operator : YP/AJ
 Sample : P4822-06MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

SOIL-3MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 23:40:51 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 12 01:21:40 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...	4.371	3.638	190.5E6	69976661	21.217	20.835
2) SA Decachlor...	10.082	8.633	58643489	60504102	19.783	19.152
Target Compounds						
3) L1 AR-1016-1	5.525	4.719	141.3E6	57620820	527.654	543.032
4) L1 AR-1016-2	5.547	4.738	200.2E6	81772256	515.395	550.943
5) L1 AR-1016-3	5.610	4.914	126.7E6	44362230	509.504	555.699
6) L1 AR-1016-4	5.706	4.956	105.3E6	34612439	540.415	560.701
7) L1 AR-1016-5	6.003	5.169	94934451	42061517	512.033	503.972
26) L6 AR-1254-1	6.381	5.520	84567225	42228434	299.309m	250.165
27) L6 AR-1254-2	6.600	5.667	89701931	43999346	215.276	292.532 #
28) L6 AR-1254-3	6.966	6.084	65123357	79715044	166.830	321.914m#
29) L6 AR-1254-4	7.252	6.297	36118605	12917208	128.122	99.242
30) L6 AR-1254-5	7.673	6.714	256.1E6	164.2E6	958.119	778.322
31) L7 AR-1260-1	7.134	6.200	157.6E6	97036709	548.740	629.806
32) L7 AR-1260-2	7.391	6.387	181.3E6	114.8E6	612.882	611.508
33) L7 AR-1260-3	7.753	6.540	99752540	104.2E6	433.934	593.457 #
34) L7 AR-1260-4	7.977	7.011	121.0E6	73976130	509.366m	493.698
35) L7 AR-1260-5	8.293	7.252	189.4E6	190.2E6	490.432	522.447

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111324\
Data File : PO107935.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 16:22
Operator : YP/AJ
Sample : P4822-06MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

SOIL-3MSD

Manual Integrations

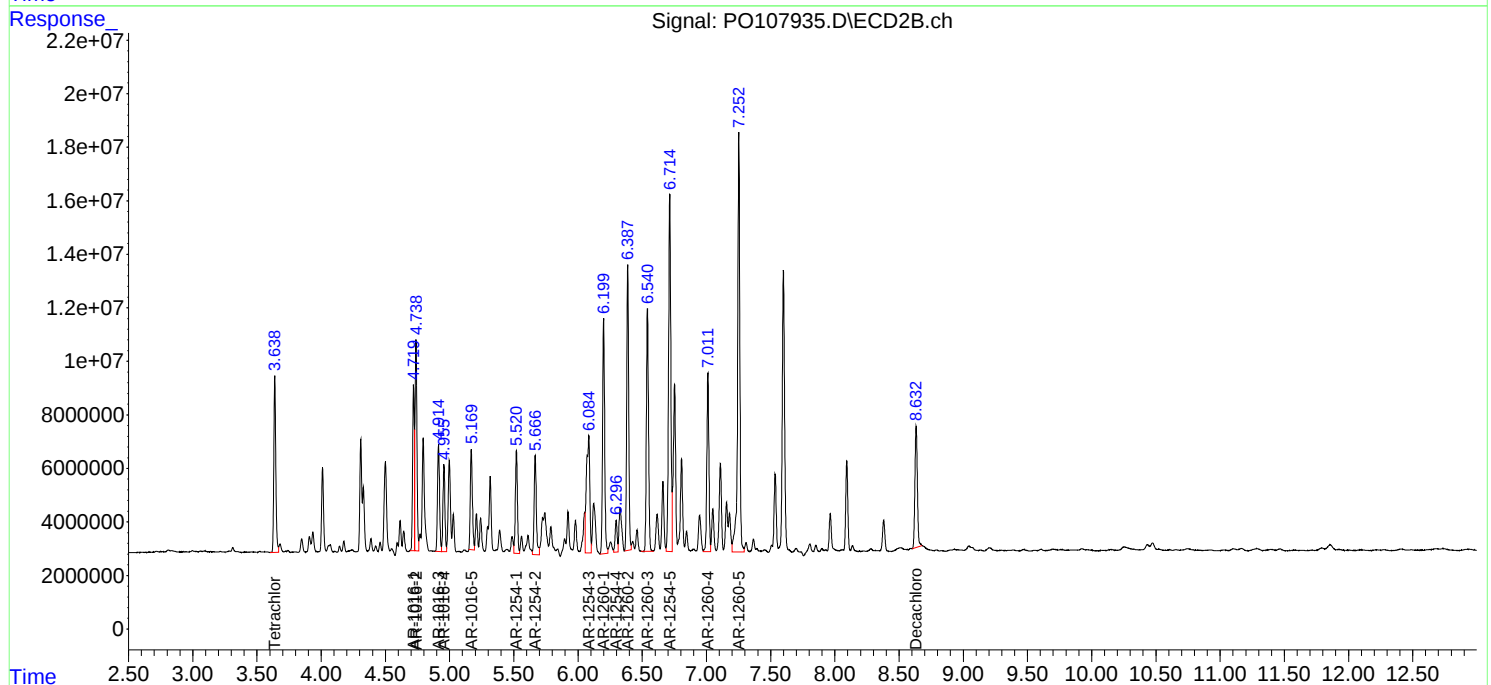
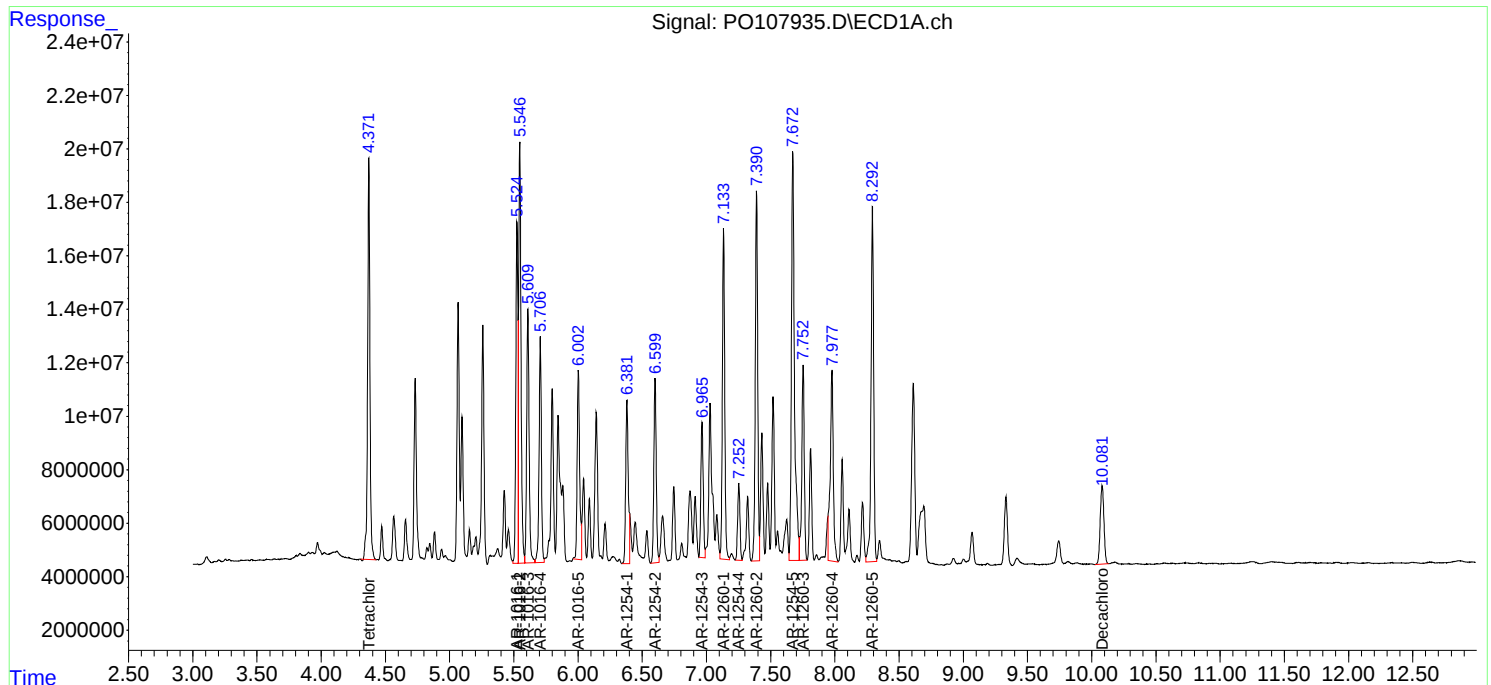
APPROVED

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 23:40:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111124.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 12 01:21:40 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



Manual Integration Report

Sequence:	PO111124	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO107847.D	AR-1260-1	yogesh	11/12/2024 9:12:05 AM	Ankita	11/12/2024 9:43:26	Peak Integrated by Software
AR1660ICC050	PO107847.D	AR-1260-1 #2	yogesh	11/12/2024 9:12:05 AM	Ankita	11/12/2024 9:43:26	Peak Integrated by Software
AR1660ICC050	PO107847.D	AR-1260-2	yogesh	11/12/2024 9:12:05 AM	Ankita	11/12/2024 9:43:26	Peak Integrated by Software
AR1660ICC050	PO107847.D	AR-1260-2 #2	yogesh	11/12/2024 9:12:05 AM	Ankita	11/12/2024 9:43:26	Peak Integrated by Software
AR1660ICC050	PO107847.D	AR-1260-3	yogesh	11/12/2024 9:12:05 AM	Ankita	11/12/2024 9:43:26	Peak Integrated by Software
AR1660ICC050	PO107847.D	AR-1260-4	yogesh	11/12/2024 9:12:05 AM	Ankita	11/12/2024 9:43:26	Peak Integrated by Software
AR1660ICC050	PO107847.D	AR-1260-5	yogesh	11/12/2024 9:12:05 AM	Ankita	11/12/2024 9:43:26	Peak Integrated by Software
AR1242ICC250	PO107853.D	AR-1242-5	yogesh	11/12/2024 9:12:07 AM	Ankita	11/12/2024 9:43:28	Peak Integrated by Software
AR1242ICC050	PO107854.D	AR-1242-5	yogesh	11/12/2024 9:12:09 AM	Ankita	11/12/2024 9:43:30	Peak Integrated by Software
AR1242ICC050	PO107854.D	AR-1242-5 #2	yogesh	11/12/2024 9:12:09 AM	Ankita	11/12/2024 9:43:30	Peak Integrated by Software
AR1248ICC050	PO107859.D	AR-1248-1	yogesh	11/12/2024 9:12:10 AM	Ankita	11/12/2024 9:43:31	Peak Integrated by Software
AR1248ICC050	PO107859.D	AR-1248-1 #2	yogesh	11/12/2024 9:12:10 AM	Ankita	11/12/2024 9:43:31	Peak Integrated by Software
AR1248ICC050	PO107859.D	AR-1248-2	yogesh	11/12/2024 9:12:10 AM	Ankita	11/12/2024 9:43:31	Peak Integrated by Software

Manual Integration Report

Sequence:

PO111124

Instrument

ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248ICC050	PO107859.D	AR-1248-3	yogesh	11/12/2024 9:12:10 AM	Ankita	11/12/2024 9:43:31	Peak Integrated by Software
AR1248ICC050	PO107859.D	AR-1248-4	yogesh	11/12/2024 9:12:10 AM	Ankita	11/12/2024 9:43:31	Peak Integrated by Software
AR1248ICC050	PO107859.D	AR-1248-4 #2	yogesh	11/12/2024 9:12:10 AM	Ankita	11/12/2024 9:43:31	Peak Integrated by Software
AR1248ICC050	PO107859.D	AR-1248-5	yogesh	11/12/2024 9:12:10 AM	Ankita	11/12/2024 9:43:31	Peak Integrated by Software
AR1248ICC050	PO107859.D	AR-1248-5 #2	yogesh	11/12/2024 9:12:10 AM	Ankita	11/12/2024 9:43:31	Peak Integrated by Software
AR1254ICC050	PO107864.D	AR-1254-1	yogesh	11/12/2024 9:12:12 AM	Ankita	11/12/2024 9:43:33	Peak Integrated by Software
AR1254ICC050	PO107864.D	AR-1254-3	yogesh	11/12/2024 9:12:12 AM	Ankita	11/12/2024 9:43:33	Peak Integrated by Software
AR1254ICC050	PO107864.D	AR-1254-4	yogesh	11/12/2024 9:12:12 AM	Ankita	11/12/2024 9:43:33	Peak Integrated by Software
AR1254ICC050	PO107864.D	AR-1254-5	yogesh	11/12/2024 9:12:12 AM	Ankita	11/12/2024 9:43:33	Peak Integrated by Software
AR1268ICC100 0	PO107866.D	AR-1268-1 #2	yogesh	11/12/2024 9:12:13 AM	Ankita	11/12/2024 9:43:34	Peak Integrated by Software
AR1268ICC750	PO107867.D	AR-1268-1 #2	yogesh	11/12/2024 9:12:15 AM	Ankita	11/12/2024 9:43:35	Peak Integrated by Software
AR1268ICC500	PO107868.D	AR-1268-1 #2	yogesh	11/12/2024 9:12:17 AM	Ankita	11/12/2024 9:43:37	Peak Integrated by Software
AR1268ICC250	PO107869.D	AR-1268-1 #2	yogesh	11/12/2024 9:12:19 AM	Ankita	11/12/2024 9:43:39	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PO111124

Instrument

ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1268ICV500	PO107875.D	AR-1268-1	yogesh	11/12/2024 9:12:20 AM	Ankita	11/12/2024 9:43:46	Peak Integrated by Software
AR1268ICV500	PO107875.D	AR-1268-1 #2	yogesh	11/12/2024 9:12:20 AM	Ankita	11/12/2024 9:43:46	Peak Integrated by Software

Manual Integration Report

Sequence:	PO111324	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4822-02	PO107931.D	AR-1254-1 #2	yogesh	11/14/2024 11:46:04 AM	Ankita	11/14/2024 11:46:21	Peak Integrated by Software
P4822-02	PO107931.D	AR-1254-2 #2	yogesh	11/14/2024 11:46:04 AM	Ankita	11/14/2024 11:46:21	Peak Integrated by Software
P4822-02	PO107931.D	AR-1254-3 #2	yogesh	11/14/2024 11:46:04 AM	Ankita	11/14/2024 11:46:21	Peak Integrated by Software
P4822-02	PO107931.D	AR-1254-4 #2	yogesh	11/14/2024 11:46:04 AM	Ankita	11/14/2024 11:46:21	Peak Integrated by Software
P4822-02	PO107931.D	AR-1254-5	yogesh	11/14/2024 11:46:04 AM	Ankita	11/14/2024 11:46:21	Peak Integrated by Software
P4822-04	PO107932.D	AR-1254-1	yogesh	11/14/2024 11:46:04 AM	Ankita	11/14/2024 11:46:22	Peak Integrated by Software
P4822-04	PO107932.D	AR-1254-1 #2	yogesh	11/14/2024 11:46:04 AM	Ankita	11/14/2024 11:46:22	Peak Integrated by Software
P4822-04	PO107932.D	AR-1254-2 #2	yogesh	11/14/2024 11:46:04 AM	Ankita	11/14/2024 11:46:22	Peak Integrated by Software
P4822-04	PO107932.D	AR-1254-5	yogesh	11/14/2024 11:46:04 AM	Ankita	11/14/2024 11:46:22	Peak Integrated by Software
P4822-06	PO107933.D	AR-1254-2 #2	yogesh	11/14/2024 11:46:07 AM	Ankita	11/14/2024 11:46:24	Peak Integrated by Software
P4822-06	PO107933.D	AR-1254-5	yogesh	11/14/2024 11:46:07 AM	Ankita	11/14/2024 11:46:24	Peak Integrated by Software
P4822-06	PO107933.D	AR-1260-4	yogesh	11/14/2024 11:46:07 AM	Ankita	11/14/2024 11:46:24	Peak Integrated by Software
P4822-06MS	PO107934.D	AR-1254-1	yogesh	11/14/2024 9:13:29 AM	Ankita	11/14/2024 11:34:18	Peak Integrated by Software

Manual Integration Report

Sequence:	PO111324	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4822-06MS	PO107934.D	AR-1254-3 #2	yogesh	11/14/2024 9:13:29 AM	Ankita	11/14/2024 11:34:18	Peak Integrated by Software
P4822-06MS	PO107934.D	AR-1260-4	yogesh	11/14/2024 9:13:29 AM	Ankita	11/14/2024 11:34:18	Peak Integrated by Software
P4822-06MSD	PO107935.D	AR-1254-1	yogesh	11/14/2024 9:13:32 AM	Ankita	11/14/2024 11:34:20	Peak Integrated by Software
P4822-06MSD	PO107935.D	AR-1254-3 #2	yogesh	11/14/2024 9:13:32 AM	Ankita	11/14/2024 11:34:20	Peak Integrated by Software
P4822-06MSD	PO107935.D	AR-1260-4	yogesh	11/14/2024 9:13:32 AM	Ankita	11/14/2024 11:34:20	Peak Integrated by Software
P4822-08	PO107936.D	AR-1254-1 #2	yogesh	11/14/2024 11:46:09 AM	Ankita	11/14/2024 11:46:26	Peak Integrated by Software
P4822-08	PO107936.D	AR-1254-2 #2	yogesh	11/14/2024 11:46:09 AM	Ankita	11/14/2024 11:46:26	Peak Integrated by Software
P4822-08	PO107936.D	AR-1254-3 #2	yogesh	11/14/2024 11:46:09 AM	Ankita	11/14/2024 11:46:26	Peak Integrated by Software
P4822-08	PO107936.D	AR-1254-5	yogesh	11/14/2024 11:46:09 AM	Ankita	11/14/2024 11:46:26	Peak Integrated by Software
P4822-08	PO107936.D	AR-1260-4	yogesh	11/14/2024 11:46:09 AM	Ankita	11/14/2024 11:46:26	Peak Integrated by Software
P4822-10	PO107937.D	AR-1254-1	yogesh	11/14/2024 11:46:13 AM	Ankita	11/14/2024 11:46:27	Peak Integrated by Software
P4822-10	PO107937.D	AR-1254-2	yogesh	11/14/2024 11:46:13 AM	Ankita	11/14/2024 11:46:27	Peak Integrated by Software
P4822-10	PO107937.D	AR-1254-5	yogesh	11/14/2024 11:46:13 AM	Ankita	11/14/2024 11:46:27	Peak Integrated by Software

Manual Integration Report

Sequence:	PO111324	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4822-10	PO107937.D	AR-1260-4	yogesh	11/14/2024 11:46:13 AM	Ankita	11/14/2024 11:46:27	Peak Integrated by Software
P4822-12	PO107938.D	AR-1254-1 #2	yogesh	11/14/2024 11:46:12 AM	Ankita	11/14/2024 11:46:29	Peak Integrated by Software
P4822-12	PO107938.D	AR-1254-2 #2	yogesh	11/14/2024 11:46:12 AM	Ankita	11/14/2024 11:46:29	Peak Integrated by Software
P4822-12	PO107938.D	AR-1254-3 #2	yogesh	11/14/2024 11:46:12 AM	Ankita	11/14/2024 11:46:29	Peak Integrated by Software
P4822-12	PO107938.D	AR-1254-5	yogesh	11/14/2024 11:46:12 AM	Ankita	11/14/2024 11:46:29	Peak Integrated by Software
P4822-12	PO107938.D	AR-1260-4	yogesh	11/14/2024 11:46:12 AM	Ankita	11/14/2024 11:46:29	Peak Integrated by Software

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO111124

Review By	yogesh	Review On	11/12/2024 9:12:35 AM
Supervise By	Ankita	Supervise On	11/12/2024 9:44:01 AM
SubDirectory	PO111124	HP Acquire Method	HP Processing Method
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#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO107841.D	11 Nov 2024 16:58	YP/AJ	Ok
2	I.BLK	PO107842.D	11 Nov 2024 17:14	YP/AJ	Ok
3	AR1660ICC1000	PO107843.D	11 Nov 2024 17:30	YP/AJ	Ok
4	AR1660ICC750	PO107844.D	11 Nov 2024 17:46	YP/AJ	Ok
5	AR1660ICC500	PO107845.D	11 Nov 2024 18:02	YP/AJ	Ok
6	AR1660ICC250	PO107846.D	11 Nov 2024 18:19	YP/AJ	Ok
7	AR1660ICC050	PO107847.D	11 Nov 2024 18:36	YP/AJ	Ok,M
8	AR1221ICC500	PO107848.D	11 Nov 2024 18:52	YP/AJ	Ok
9	AR1232ICC500	PO107849.D	11 Nov 2024 19:08	YP/AJ	Ok
10	AR1242ICC1000	PO107850.D	11 Nov 2024 19:24	YP/AJ	Ok
11	AR1242ICC750	PO107851.D	11 Nov 2024 19:40	YP/AJ	Ok
12	AR1242ICC500	PO107852.D	11 Nov 2024 19:57	YP/AJ	Ok
13	AR1242ICC250	PO107853.D	11 Nov 2024 20:13	YP/AJ	Ok,M
14	AR1242ICC050	PO107854.D	11 Nov 2024 20:30	YP/AJ	Ok,M
15	AR1248ICC1000	PO107855.D	11 Nov 2024 20:46	YP/AJ	Ok
16	AR1248ICC750	PO107856.D	11 Nov 2024 21:02	YP/AJ	Ok
17	AR1248ICC500	PO107857.D	11 Nov 2024 21:18	YP/AJ	Ok
18	AR1248ICC250	PO107858.D	11 Nov 2024 21:35	YP/AJ	Ok
19	AR1248ICC050	PO107859.D	11 Nov 2024 21:52	YP/AJ	Ok,M
20	AR1254ICC1000	PO107860.D	11 Nov 2024 22:08	YP/AJ	Ok
21	AR1254ICC750	PO107861.D	11 Nov 2024 22:24	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO111124

Review By	yogesh	Review On	11/12/2024 9:12:35 AM
Supervise By	Ankita	Supervise On	11/12/2024 9:44:01 AM
SubDirectory	PO111124	HP Acquire Method	HP Processing Method
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	PO107862.D	11 Nov 2024 22:41	YP/AJ	Ok
23	AR1254ICC250	PO107863.D	11 Nov 2024 22:57	YP/AJ	Ok
24	AR1254ICC050	PO107864.D	11 Nov 2024 23:13	YP/AJ	Ok,M
25	AR1262ICC500	PO107865.D	11 Nov 2024 23:29	YP/AJ	Ok
26	AR1268ICC1000	PO107866.D	11 Nov 2024 23:46	YP/AJ	Ok,M
27	AR1268ICC750	PO107867.D	12 Nov 2024 00:02	YP/AJ	Ok,M
28	AR1268ICC500	PO107868.D	12 Nov 2024 00:18	YP/AJ	Ok,M
29	AR1268ICC250	PO107869.D	12 Nov 2024 00:35	YP/AJ	Ok,M
30	AR1268ICC050	PO107870.D	12 Nov 2024 00:52	YP/AJ	Ok
31	PO111124ICV500	PO107871.D	12 Nov 2024 01:08	YP/AJ	Ok
32	AR1242ICV500	PO107872.D	12 Nov 2024 01:24	YP/AJ	Ok
33	AR1248ICV500	PO107873.D	12 Nov 2024 01:40	YP/AJ	Ok
34	AR1254ICV500	PO107874.D	12 Nov 2024 01:57	YP/AJ	Ok
35	AR1268ICV500	PO107875.D	12 Nov 2024 02:13	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO111324

Review By	yogesh	Review On	11/14/2024 9:14:05 AM
Supervise By	Ankita	Supervise On	11/14/2024 11:34:45 AM
SubDirectory	PO111324	HP Acquire Method	HP Processing Method PO111124
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	PO107912.D	13 Nov 2024 09:46	YP/AJ	Ok
2	AR1660CCC500	PO107913.D	13 Nov 2024 10:03	YP/AJ	Ok
3	AR1242CCC500	PO107914.D	13 Nov 2024 10:20	YP/AJ	Ok
4	AR1248CCC500	PO107915.D	13 Nov 2024 10:36	YP/AJ	Ok
5	I.BLK	PO107916.D	13 Nov 2024 10:53	YP/AJ	Ok
6	PB164906BL	PO107917.D	13 Nov 2024 11:10	YP/AJ	Not Ok
7	P4799-10	PO107918.D	13 Nov 2024 11:27	YP/AJ	Ok,M
8	P4799-14	PO107919.D	13 Nov 2024 11:44	YP/AJ	Ok,M
9	P4799-18	PO107920.D	13 Nov 2024 12:00	YP/AJ	Ok,M
10	PB164938BL	PO107921.D	13 Nov 2024 12:31	YP/AJ	Ok
11	PB164938BS	PO107922.D	13 Nov 2024 12:48	YP/AJ	Ok
12	P4820-01	PO107923.D	13 Nov 2024 13:04	YP/AJ	Ok
13	P4821-01	PO107924.D	13 Nov 2024 13:20	YP/AJ	Ok
14	P4821-05	PO107925.D	13 Nov 2024 13:37	YP/AJ	Ok
15	AR1660CCC500	PO107926.D	13 Nov 2024 13:54	YP/AJ	Ok
16	AR1242CCC500	PO107927.D	13 Nov 2024 14:10	YP/AJ	Ok
17	AR1248CCC500	PO107928.D	13 Nov 2024 14:26	YP/AJ	Ok
18	AR1254CCC500	PO107929.D	13 Nov 2024 14:42	YP/AJ	Ok
19	I.BLK	PO107930.D	13 Nov 2024 14:59	YP/AJ	Ok
20	P4822-02	PO107931.D	13 Nov 2024 15:16	YP/AJ	Ok,M
21	P4822-04	PO107932.D	13 Nov 2024 15:32	YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO111324

Review By	yogesh	Review On	11/14/2024 9:14:05 AM
Supervise By	Ankita	Supervise On	11/14/2024 11:34:45 AM
SubDirectory	PO111324	HP Acquire Method	HP Processing Method PO111124
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	P4822-06	PO107933.D	13 Nov 2024 15:49	YP/AJ	Ok,M
23	P4822-06MS	PO107934.D	13 Nov 2024 16:06	YP/AJ	Ok,M
24	P4822-06MSD	PO107935.D	13 Nov 2024 16:22	YP/AJ	Ok,M
25	P4822-08	PO107936.D	13 Nov 2024 16:39	YP/AJ	Ok,M
26	P4822-10	PO107937.D	13 Nov 2024 16:56	YP/AJ	Ok,M
27	P4822-12	PO107938.D	13 Nov 2024 17:13	YP/AJ	Ok,M
28	P4823-01	PO107939.D	13 Nov 2024 17:30	YP/AJ	Ok,M
29	AR1660CCC500	PO107940.D	13 Nov 2024 18:31	YP/AJ	Ok
30	AR1242CCC500	PO107941.D	13 Nov 2024 18:48	YP/AJ	Ok
31	AR1248CCC500	PO107942.D	13 Nov 2024 19:04	YP/AJ	Ok
32	AR1254CCC500	PO107943.D	13 Nov 2024 19:21	YP/AJ	Ok
33	I.BLK	PO107944.D	13 Nov 2024 19:37	YP/AJ	Ok
34	P4813-01	PO107945.D	13 Nov 2024 19:54	YP/AJ	Ok,M
35	P4813-04	PO107946.D	13 Nov 2024 20:11	YP/AJ	Ok,M
36	P4812-03	PO107947.D	13 Nov 2024 20:42	YP/AJ	Ok,M
37	PB164937BL	PO107948.D	13 Nov 2024 21:13	YP/AJ	Ok
38	PB164937BS	PO107949.D	13 Nov 2024 21:30	YP/AJ	Ok
39	PB164937BSD	PO107950.D	13 Nov 2024 21:46	YP/AJ	Ok
40	P4819-01	PO107951.D	13 Nov 2024 22:02	YP/AJ	Ok,M
41	AR1660CCC500	PO107952.D	13 Nov 2024 23:03	YP/AJ	Ok
42	AR1242CCC500	PO107953.D	13 Nov 2024 23:20	YP/AJ	Ok
43	AR1248CCC500	PO107954.D	13 Nov 2024 23:37	YP/AJ	Ok
44	AR1254CCC500	PO107955.D	13 Nov 2024 23:54	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO111324

Review By	yogesh	Review On	11/14/2024 9:14:05 AM
Supervise By	Ankita	Supervise On	11/14/2024 11:34:45 AM
SubDirectory	PO111324	HP Acquire Method	HP Processing Method PO111124
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			

45	I.BLK	PO107956.D	14 Nov 2024 00:11	YP/AJ	Ok
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M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO111124

Review By	yogesh	Review On	11/12/2024 9:12:35 AM
Supervise By	Ankita	Supervise On	11/12/2024 9:44:01 AM
SubDirectory	PO111124	HP Acquire Method	HP Processing Method
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	HEXANE	HEXANE	PO107841.D	11 Nov 2024 16:58		YP/AJ	Ok
2	I.BLK	I.BLK	PO107842.D	11 Nov 2024 17:14		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO107843.D	11 Nov 2024 17:30		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO107844.D	11 Nov 2024 17:46		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO107845.D	11 Nov 2024 18:02		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO107846.D	11 Nov 2024 18:19		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO107847.D	11 Nov 2024 18:36		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO107848.D	11 Nov 2024 18:52		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO107849.D	11 Nov 2024 19:08		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO107850.D	11 Nov 2024 19:24		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO107851.D	11 Nov 2024 19:40		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO107852.D	11 Nov 2024 19:57		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO107853.D	11 Nov 2024 20:13		YP/AJ	Ok,M
14	AR1242ICC050	AR1242ICC050	PO107854.D	11 Nov 2024 20:30		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO107855.D	11 Nov 2024 20:46		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO107856.D	11 Nov 2024 21:02		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO107857.D	11 Nov 2024 21:18		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO107858.D	11 Nov 2024 21:35		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO111124

Review By	yogesh	Review On	11/12/2024 9:12:35 AM
Supervise By	Ankita	Supervise On	11/12/2024 9:44:01 AM
SubDirectory	PO111124	HP Acquire Method	HP Processing Method
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	PO107859.D	11 Nov 2024 21:52		YP/AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PO107860.D	11 Nov 2024 22:08		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO107861.D	11 Nov 2024 22:24		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO107862.D	11 Nov 2024 22:41		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO107863.D	11 Nov 2024 22:57		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO107864.D	11 Nov 2024 23:13		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO107865.D	11 Nov 2024 23:29		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO107866.D	11 Nov 2024 23:46		YP/AJ	Ok,M
27	AR1268ICC750	AR1268ICC750	PO107867.D	12 Nov 2024 00:02		YP/AJ	Ok,M
28	AR1268ICC500	AR1268ICC500	PO107868.D	12 Nov 2024 00:18		YP/AJ	Ok,M
29	AR1268ICC250	AR1268ICC250	PO107869.D	12 Nov 2024 00:35		YP/AJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PO107870.D	12 Nov 2024 00:52		YP/AJ	Ok
31	PO111124ICV500	ICVPO111124	PO107871.D	12 Nov 2024 01:08		YP/AJ	Ok
32	AR1242ICV500	ICVPO111124AR1242	PO107872.D	12 Nov 2024 01:24		YP/AJ	Ok
33	AR1248ICV500	ICVPO111124AR1248	PO107873.D	12 Nov 2024 01:40		YP/AJ	Ok
34	AR1254ICV500	ICVPO111124AR1254	PO107874.D	12 Nov 2024 01:57		YP/AJ	Ok
35	AR1268ICV500	ICVPO111124AR1268	PO107875.D	12 Nov 2024 02:13		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO111324

Review By	yogesh	Review On	11/14/2024 9:14:05 AM
Supervise By	Ankita	Supervise On	11/14/2024 11:34:45 AM
SubDirectory	PO111324	HP Acquire Method	HP Processing Method PO111124
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	HEXANE	HEXANE	PO107912.D	13 Nov 2024 09:46		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO107913.D	13 Nov 2024 10:03		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO107914.D	13 Nov 2024 10:20		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO107915.D	13 Nov 2024 10:36		YP/AJ	Ok
5	I.BLK	I.BLK	PO107916.D	13 Nov 2024 10:53		YP/AJ	Ok
6	PB164906BL	PB164906BL	PO107917.D	13 Nov 2024 11:10	already analyze	YP/AJ	Not Ok
7	P4799-10	WC-TA1-01-C	PO107918.D	13 Nov 2024 11:27		YP/AJ	Ok,M
8	P4799-14	WC-TA1-02-C	PO107919.D	13 Nov 2024 11:44		YP/AJ	Ok,M
9	P4799-18	WC-TA1-03-C	PO107920.D	13 Nov 2024 12:00		YP/AJ	Ok,M
10	PB164938BL	PB164938BL	PO107921.D	13 Nov 2024 12:31		YP/AJ	Ok
11	PB164938BS	PB164938BS	PO107922.D	13 Nov 2024 12:48		YP/AJ	Ok
12	P4820-01	CO-SIAC-20	PO107923.D	13 Nov 2024 13:04		YP/AJ	Ok
13	P4821-01	BP-F-24	PO107924.D	13 Nov 2024 13:20		YP/AJ	Ok
14	P4821-05	BP-F-2	PO107925.D	13 Nov 2024 13:37		YP/AJ	Ok
15	AR1660CCC500	AR1660CCC500	PO107926.D	13 Nov 2024 13:54		YP/AJ	Ok
16	AR1242CCC500	AR1242CCC500	PO107927.D	13 Nov 2024 14:10		YP/AJ	Ok
17	AR1248CCC500	AR1248CCC500	PO107928.D	13 Nov 2024 14:26		YP/AJ	Ok
18	AR1254CCC500	AR1254CCC500	PO107929.D	13 Nov 2024 14:42		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO111324

Review By	yogesh	Review On	11/14/2024 9:14:05 AM
Supervise By	Ankita	Supervise On	11/14/2024 11:34:45 AM
SubDirectory	PO111324	HP Acquire Method	HP Processing Method PO111124
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	I.BLK	I.BLK	PO107930.D	13 Nov 2024 14:59		YP/AJ	Ok
20	P4822-02	SOIL-1	PO107931.D	13 Nov 2024 15:16	AR1254 Hit, AR1260 Hit	YP/AJ	Ok,M
21	P4822-04	SOIL-2	PO107932.D	13 Nov 2024 15:32	AR1254 Hit, AR1260 Hit	YP/AJ	Ok,M
22	P4822-06	SOIL-3	PO107933.D	13 Nov 2024 15:49	AR1254 Hit, AR1260 Hit	YP/AJ	Ok,M
23	P4822-06MS	SOIL-3MS	PO107934.D	13 Nov 2024 16:06		YP/AJ	Ok,M
24	P4822-06MSD	SOIL-3MSD	PO107935.D	13 Nov 2024 16:22		YP/AJ	Ok,M
25	P4822-08	SOIL-4	PO107936.D	13 Nov 2024 16:39	AR1254 Hit, AR1260 Hit	YP/AJ	Ok,M
26	P4822-10	SOIL-5	PO107937.D	13 Nov 2024 16:56	AR1254 Hit, AR1260 Hit	YP/AJ	Ok,M
27	P4822-12	SOIL-6	PO107938.D	13 Nov 2024 17:13	AR1254 Hit, AR1260 Hit	YP/AJ	Ok,M
28	P4823-01	MH-4	PO107939.D	13 Nov 2024 17:30		YP/AJ	Ok,M
29	AR1660CCC500	AR1660CCC500	PO107940.D	13 Nov 2024 18:31		YP/AJ	Ok
30	AR1242CCC500	AR1242CCC500	PO107941.D	13 Nov 2024 18:48		YP/AJ	Ok
31	AR1248CCC500	AR1248CCC500	PO107942.D	13 Nov 2024 19:04		YP/AJ	Ok
32	AR1254CCC500	AR1254CCC500	PO107943.D	13 Nov 2024 19:21		YP/AJ	Ok
33	I.BLK	I.BLK	PO107944.D	13 Nov 2024 19:37		YP/AJ	Ok
34	P4813-01	416	PO107945.D	13 Nov 2024 19:54		YP/AJ	Ok,M
35	P4813-04	419	PO107946.D	13 Nov 2024 20:11		YP/AJ	Ok,M
36	P4812-03	270	PO107947.D	13 Nov 2024 20:42		YP/AJ	Ok,M
37	PB164937BL	PB164937BL	PO107948.D	13 Nov 2024 21:13		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO111324

Review By	yogesh	Review On	11/14/2024 9:14:05 AM
Supervise By	Ankita	Supervise On	11/14/2024 11:34:45 AM
SubDirectory	PO111324	HP Acquire Method	HP Processing Method PO111124
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			

38	PB164937BS	PB164937BS	PO107949.D	13 Nov 2024 21:30		YP/AJ	Ok
39	PB164937BSD	PB164937BSD	PO107950.D	13 Nov 2024 21:46		YP/AJ	Ok
40	P4819-01	1594	PO107951.D	13 Nov 2024 22:02		YP/AJ	Ok,M
41	AR1660CCC500	AR1660CCC500	PO107952.D	13 Nov 2024 23:03		YP/AJ	Ok
42	AR1242CCC500	AR1242CCC500	PO107953.D	13 Nov 2024 23:20		YP/AJ	Ok
43	AR1248CCC500	AR1248CCC500	PO107954.D	13 Nov 2024 23:37		YP/AJ	Ok
44	AR1254CCC500	AR1254CCC500	PO107955.D	13 Nov 2024 23:54		YP/AJ	Ok
45	I.BLK	I.BLK	PO107956.D	14 Nov 2024 00:11		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/13/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:45
In Date: 11/12/2024
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: 11/13/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133408

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
P4810-01	WASTE	1	1.15	8.80	9.95	8.23	80.5	
P4810-02	VOC	2	1.15	8.82	9.97	8.65	85.0	
P4810-03	1	3	1.15	8.43	9.58	7.84	79.4	
P4810-04	2	4	1.16	8.80	9.96	8.41	82.4	
P4810-05	3	5	1.16	8.51	9.67	8.17	82.4	
P4810-06	4	6	1.15	8.82	9.97	8.46	82.9	
P4810-07	5	7	1.16	8.45	9.61	8.2	83.3	
P4820-01	CO-SIAC-20	8	1.18	8.42	9.6	9.41	97.7	
P4821-01	BP-F-24	9	1.19	8.57	9.76	8.77	88.4	
P4821-02	BP-F-24-EPH	10	1.15	8.52	9.67	8.62	87.7	
P4821-03	BP-F-24-VOC	11	1.12	8.76	9.88	8.83	88.0	
P4821-05	BP-F-2	12	1.16	8.51	9.67	8.7	88.6	
P4821-06	BP-F-2-EPH	13	1.15	8.81	9.96	9.28	92.3	
P4821-07	BP-F-2-VOC	14	1.12	8.75	9.87	8.77	87.4	
P4822-01	SOIL-1	18	1.16	8.48	9.64	9.14	94.1	
P4822-02	SOIL-1	19	1.15	8.50	9.65	9.00	92.4	
P4822-03	SOIL-2	20	1.18	8.57	9.75	9.05	91.8	
P4822-04	SOIL-2	21	1.15	8.74	9.89	8.99	89.7	
P4822-05	SOIL-3	22	1.13	8.39	9.52	8.89	92.5	
P4822-06	SOIL-3	23	1.16	8.69	9.85	9.1	91.4	
P4822-07	SOIL-4	24	1.17	8.50	9.67	9.12	93.5	
P4822-08	SOIL-4	25	1.14	8.62	9.76	9.15	92.9	
P4822-09	SOIL-5	26	1.11	8.77	9.88	8.91	88.9	
P4822-10	SOIL-5	27	1.16	8.63	9.79	9.06	91.5	
P4822-11	SOIL-6	28	1.17	8.60	9.77	8.71	87.7	
P4822-12	SOIL-6	29	1.13	8.70	9.83	9.07	91.3	
P4823-01	MH-4	15	1.15	8.64	9.79	8.86	89.2	
P4823-02	MH-4-EPH	16	1.17	8.54	9.71	8.88	90.3	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/13/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:45
In Date: 11/12/2024
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: 11/13/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133408

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
P4823-03	MH-4-VOC	17	1.17	8.58	9.75	8.72	88.0	

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

WORKLIST(Hardcopy Internal Chain)

JB133408

WorkList Name : %1-111224

WorkList ID : 185348

Department : Wet-Chemistry

Date : 11-12-2024 08:02:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4810-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4820-01	CO-SIAC-20	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4821-01	BP-F-24	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/12/2024	Chemtech -SO
P4821-02	BP-F-24-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4821-03	BP-F-24-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4821-05	BP-F-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4821-06	BP-F-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4821-07	BP-F-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4822-01	SOIL-1	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-02	SOIL-1	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-03	SOIL-2	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-04	SOIL-2	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-05	SOIL-3	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-06	SOIL-3	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-07	SOIL-4	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO

Date/Time 11-12-24 15:35

Raw Sample Received by: JB WLC

Raw Sample Relinquished by: JB WLC

Date/Time 11-12-24

Raw Sample Received by: JB WLC

Raw Sample Relinquished by: JB WLC

WORKLIST(Hardcopy Internal Chain)

1333408

WorkList Name : %1-111224

WorkList ID : 185348

Department : Wet-Chemistry

Date : 11-12-2024 08:02:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4822-08	SOIL-4	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-09	SOIL-5	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-10	SOIL-5	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-11	SOIL-6	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-12	SOIL-6	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4823-01	MH-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/12/2024	Chemtech -SO
P4823-02	MH-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/12/2024	Chemtech -SO
P4823-03	MH-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/12/2024	Chemtech -SO

Date/Time 11-12-24 15:35
Raw Sample Received by: SS WOL
Raw Sample Relinquished by: BS CETA- (CCH)

Date/Time 11-12-24 17:00
Raw Sample Received by: BS CETA- (CCH)
Raw Sample Relinquished by: SS WOL

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Welgh By: RJ

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 11/13/2024

Extraction Start Time : 08:40

Extraction End Date : 11/13/2024

Extraction End Time : 11:40

Concentration By: EH

Supervisor By : rajesh

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

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

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane	N/A	E3826
Baked Na2SO4	N/A	EP2557
H2SO4 1:1	N/A	EP2548
Sand	N/A	E2865
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/13/24	RJ (Eet-105)	AJ (EET) PCA Lab
# 11:45	Preparation Group	Analysis Group

11/13

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/13/2024

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164938BL	ABLK938	PCB	30.02	N/A	ritesh	Evelyn	10			U7-1
PB164938BS	ALCS938	PCB	30.01	N/A	ritesh	Evelyn	10			2
P4820-01	CO-SIAC-20	PCB	30.05	N/A	ritesh	Evelyn	10	D	Small Partical	3
P4821-01	BP-F-24	PCB	30.09	N/A	ritesh	Evelyn	10	D		4
P4821-05	BP-F-2	PCB	30.07	N/A	ritesh	Evelyn	10	D		5
P4822-02	SOIL-1	PCB	30.06	N/A	ritesh	Evelyn	10	D		6
P4822-04	SOIL-2	PCB	30.05	N/A	ritesh	Evelyn	10	D		U5-1
P4822-06	SOIL-3	PCB	30.03	N/A	ritesh	Evelyn	10	D		2
P4822-06MS	SOIL-3MS	PCB	30.01	N/A	ritesh	Evelyn	10	D		3
P4822-06MS D	SOIL-3MSD	PCB	30.03	N/A	ritesh	Evelyn	10	D		4
P4822-08	SOIL-4	PCB	30.09	N/A	ritesh	Evelyn	10	D		5
P4822-10	SOIL-5	PCB	30.05	N/A	ritesh	Evelyn	10	D		6
P4822-12	SOIL-6	PCB	30.04	N/A	ritesh	Evelyn	10	D		U6-1
P4823-01	MH-4	PCB	30.06	N/A	ritesh	Evelyn	10	D		2

* Extracts relinquished on the same date as received.



603309

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4823P WorkList ID : 185395 Department : Extraction Date : 11-13-2024 08:36:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4820-01	CO-SIAC-20	Solid	PCB	Cool 4 deg C	PSEG03	L21	11/12/2024	8082A
P4821-01	BP-F-24	Solid	PCB	Cool 4 deg C	PSEG03	L31	11/12/2024	8082A
P4821-05	BP-F-2	Solid	PCB	Cool 4 deg C	PSEG03	L31	11/12/2024	8082A
P4822-02	SOIL-1	Solid	PCB	Cool 4 deg C	BAPS03	L21	11/12/2024	8082A
P4822-04	SOIL-2	Solid	PCB	Cool 4 deg C	BAPS03	L21	11/12/2024	8082A
P4822-06	SOIL-3	Solid	PCB	Cool 4 deg C	BAPS03	L21	11/12/2024	8082A
P4822-08	SOIL-4	Solid	PCB	Cool 4 deg C	BAPS03	L21	11/12/2024	8082A
P4822-10	SOIL-5	Solid	PCB	Cool 4 deg C	BAPS03	L21	11/12/2024	8082A
P4822-12	SOIL-6	Solid	PCB	Cool 4 deg C	BAPS03	L21	11/12/2024	8082A
P4823-01	MH-4	Solid	PCB	Cool 4 deg C	PSEG03	L21	11/12/2024	8082A

Date/Time 11/13/24 8:37
Raw Sample Received by: RT (Set Lab) [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 11/13/24
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: RT (Set Lab)

Prep Standard - Chemical Standard Summary

Order ID : P4822

Test : PCB

Prepbatch ID : PB164938,

Sequence ID/Qc Batch ID: PO111324,

Standard ID :

EP2548,EP2557,PP23640,PP23733,PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775,PP23776,PP23777,PP23778,PP23779,PP23780,PP23781,PP23782,PP23783,PP23784,PP23785,PP23786,PP23787,PP23788,PP23789,PP23790,PP23858,PP23946,PP23947,

Chemical ID :

E2865,E3551,E3788,E3804,E3805,E3815,E3825,E3826,M5178,P10483,P10500,P11507,P11512,P11521,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12946,P12947,P12957,P13033,P13350,P13351,P13372,W3112,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	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>
3923	Baked Sodium Sulfate	EP2557	11/10/2024	01/03/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Rajesh Parikh 11/10/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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>
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP23640	09/09/2024	01/12/2025	Ankita Jodhani	None	None	Yogesh Patel
								09/10/2024

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP23858	10/14/2024	04/04/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/14/2024

FROM 1.00000ml of P13351 + 999.00000ml of E3815 = Final Quantity: 1000.000 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

CHEMICAL RECEIPT LOG BOOK

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

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/04/2025	10/04/2024 / Rajesh	10/04/2024 / Rajesh	E3815

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

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-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	01/12/2025	07/12/2024 / Abdul	12/20/2023 / Yogesh	P12946

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12947

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc	90165 / Aroclor 1262	112322	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P13033

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/14/2025	10/14/2024 / Abdul	04/22/2024 / Abdul	P13351

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	04/03/2025	10/03/2024 / Ankita	05/02/2024 / Ankita	P13372

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

Sand
Purified
Washed and Ignited



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

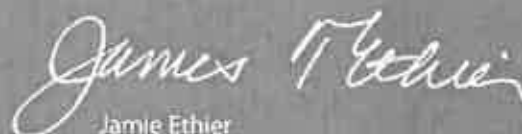
Certificate of Analysis

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

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

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

E 2865


Jamie Ethier
Vice President Global Quality

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

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



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

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

CERTIFICATE OF ANALYSIS

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

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

COMMENTS

QC: PhC Irma Belmares

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

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

RC-02-01, Ed. 3

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

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

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

Recd by RP on 8/13/24

E 3788

Ken Koehnlein
Sr. Manager, Quality Assurance

Acetone
CMOS

avantor™



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

>>> Continued on page 2 >>>

E 3804

Acetone
CMOS

 **avantor™**



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

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

>>> Continued on page 3 >>>

Acetone
CMOS

 **avantor™**



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

Test	Specification	Result
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For Microelectronic Use

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



Michelle Bales
Sr. Manager, Quality Assurance

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

avantor™



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

Certificate of Analysis

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

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

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

Recd. by RP on 9/25/24

E 3805

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date: 2027-05-24
Revision No.: 0

Certificate of Analysis

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

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

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor Performance Materials, LLC

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

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

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:

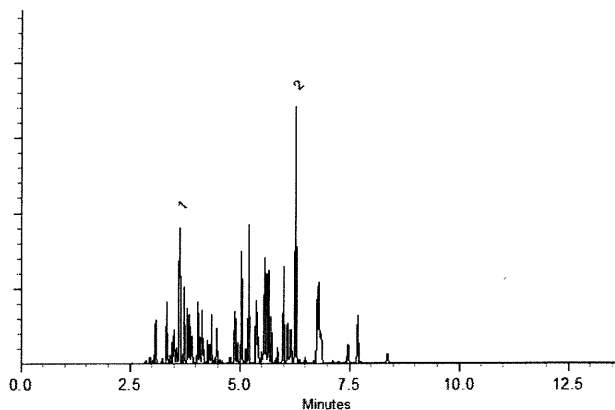
250°C

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:

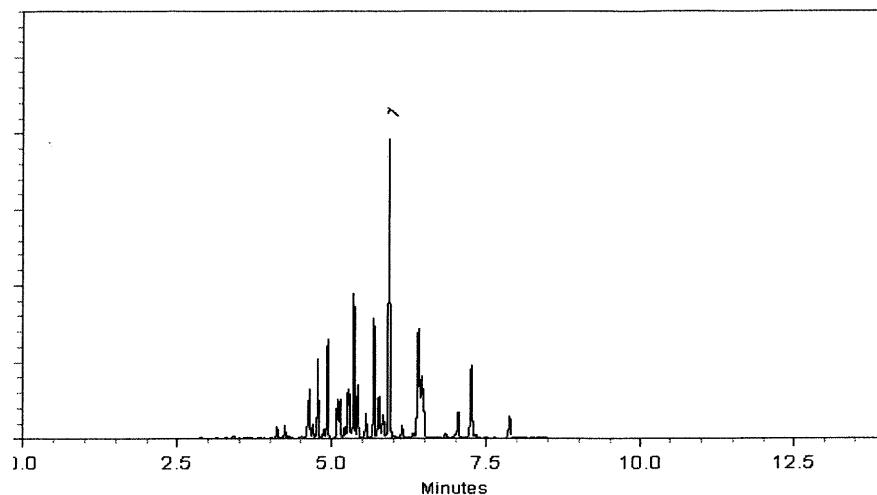
250°C

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

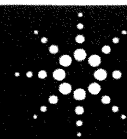
Balance: B707717271

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
↓
P11507A7
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

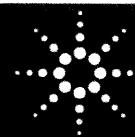
www.agilent.com/quality/

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.

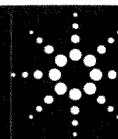
P11508

↓
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.

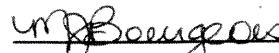
Expiration of Certification:

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 CAS # 11104-28-2 (Lot 10210500) Purity ----%	1,002.0 µg/mL	+/- 5.9516 µg/mL Gravimetric +/- 31.7706 µg/mL Unstressed +/- 41.4958 µg/mL Stressed

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

P 11578
↓
P 11582 / (S)

AR
04/30/22

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

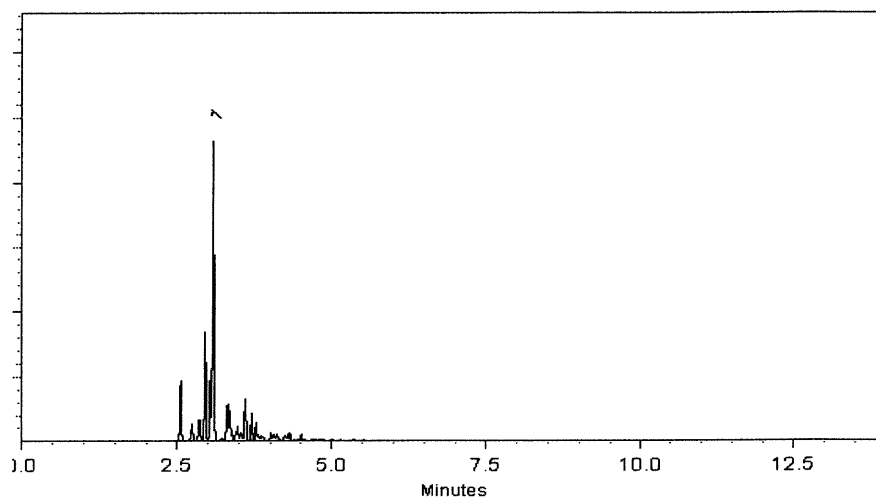
Carrier Gas:
helium-constant pressure 20 psi.

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

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 16-Aug-2021 Balance: B442140311

Marlene Cowan
Marlene Cowan - Operations Tech I

Date Passed: 18-Aug-2021

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

P11578
↓
P11582 / (S)

AR
04/30/22



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

CERTIFIED VALUES

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

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

P11583
↓
P11587 / (S)

AR
04/30/22

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

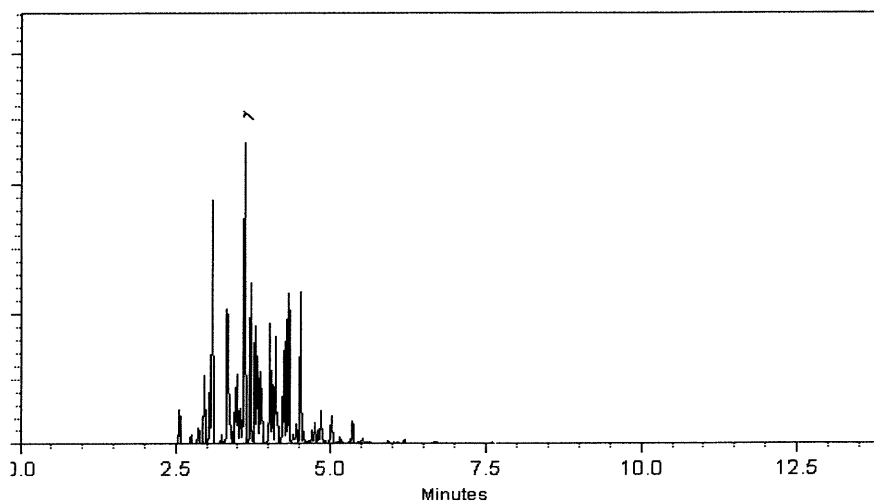
Carrier Gas:
helium-constant pressure 20 psi.

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

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 13-Jun-2021

Balance: B442140311

Alexis Shelow
Alexis Shelow - Operations Tech I

Date Passed: 16-Jun-2021

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

P11583
↓
P11587

AR
04/30/22



CERTIFIED REFERENCE MATERIAL

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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. : 32011 Lot No.: A0175403
Description : Aroclor® 1254 Standard
Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : November 30, 2027 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1254 CAS # 11097-69-1 (Lot 124-191-B) Purity ----%	1,000.7 µg/mL	+/- 5.9437 µg/mL Gravimetric +/- 31.7284 µg/mL Unstressed +/- 41.4406 µg/mL Stressed

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

P11588
↓
P11592 / (S)

AR
04/30/2022

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

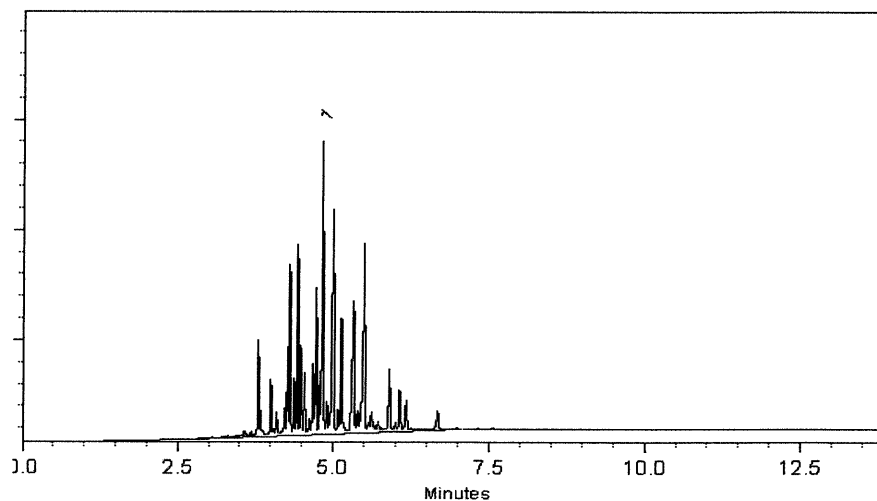
250°C

Det. Temp:

300°C

Det. Type:

ECD



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

Cathleen Soltis

Cathleen Soltis - Mix Technician

Date Mixed: 15-Aug-2021

Balance: 1128360905

Alexis Shelow

Alexis Shelow - Operations Tech I

Date Passed: 17-Aug-2021

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

P11588
↓
P11592 / (5)

AR
04/30/22



CERTIFIED REFERENCE MATERIAL

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

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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32410 Lot No.: A0181782
Description : Aroclor® 1268 Standard
Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : May 31, 2028 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1268 CAS # 11100-14-4 Purity ----%	1,001.4 µg/mL (Lot 10947000)	+/- 5.9480 µg/mL Gravimetric +/- 31.7516 µg/mL Unstressed +/- 41.4710 µg/mL Stressed

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

P 11593
↓
P 11597
⑤

UAR
04/30/2022

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

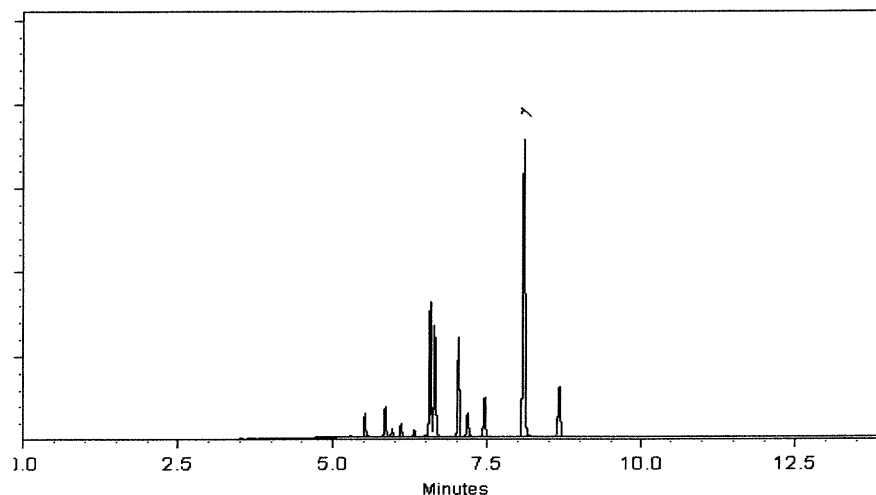
250°C

Det. Temp:

300°C

Det. Type:

ECD



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

Penelope S. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 14-Feb-2022

Balance: 1128360905

Clara Windle

Clara Windle - Operations Technician I

Date Passed: 17-Feb-2022

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

P 11593 / (5)
↓
P 11597
A
04/30/2022



CERTIFIED WEIGHT REPORT

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

Solvent(
Aceton

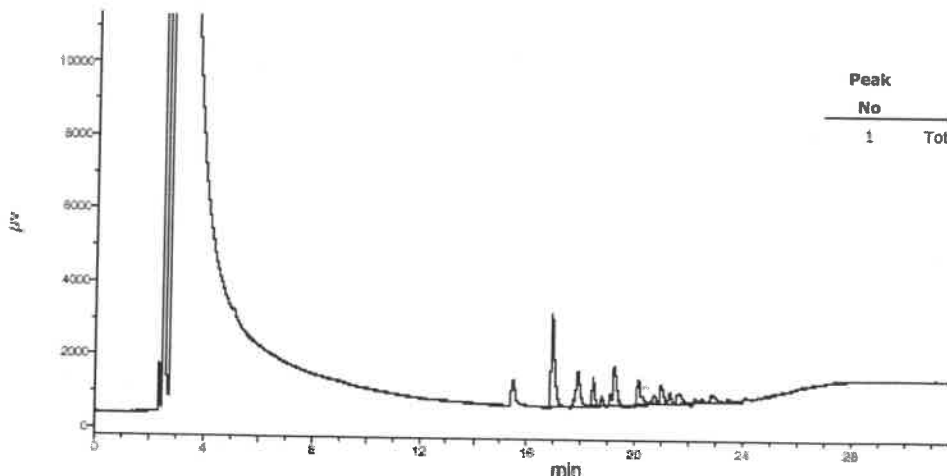
Weight(s) shown below were combined and diluted to (mL): **100.0**
 5E-05 Balance Uncertainty
 0.057 Flask Uncertainty

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

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

Comments

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





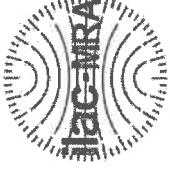
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description: Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

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

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

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

p12928

→

p12932

AJ

12/27/23

CERTIFIED VALUES

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

Solvent: Hexane

CAS # 110-54-3

Purity 99%

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

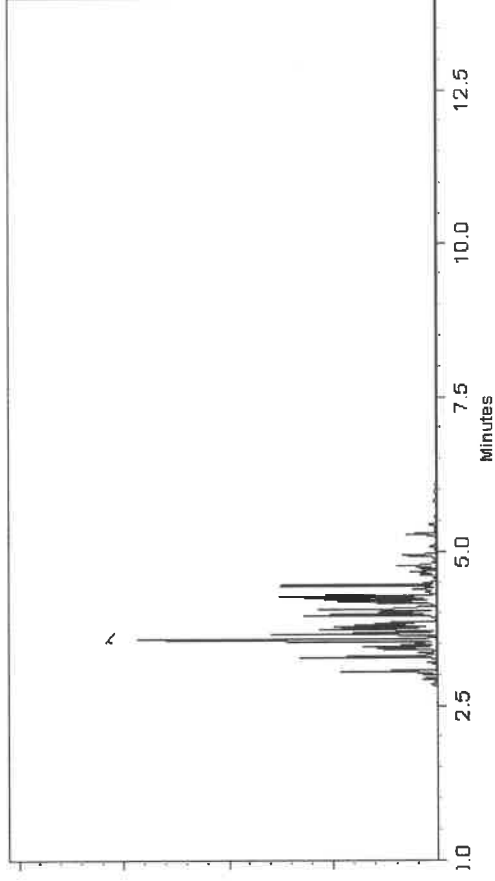
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2ul



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

Russ Boothamer

Russ Boothamer - Operations Technician I

Date Mixed: 26-Oct-2023

Balance Serial #

B442140311

Jennifer Polino

Jennifer Polino - Operations Tech III - ARM QC

Date Passed: 06-Nov-2023

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



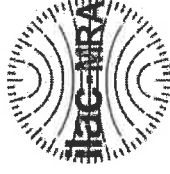
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description: Aroclor® 1248 Standard

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

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

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

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

P1219697
P1219697
A1
12104123

CERTIFIED VALUES

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

Solvent: Hexane

CAS # 110-54-3

Purity 99%

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

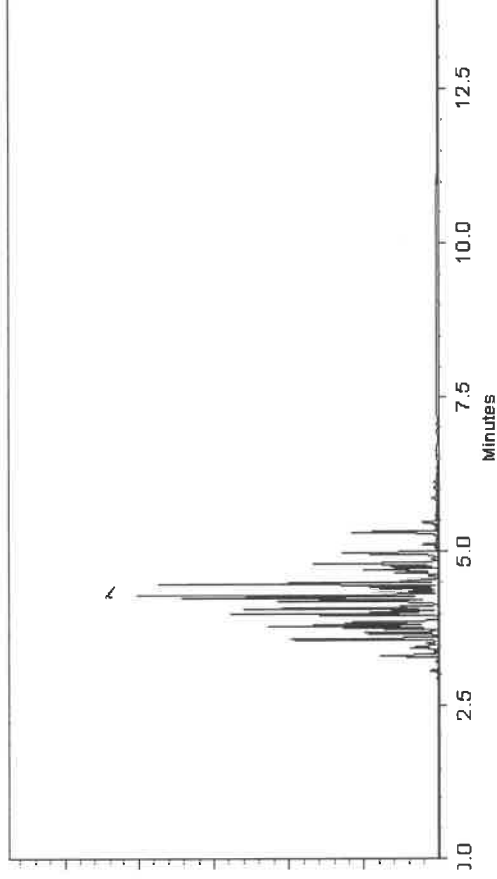
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2ul



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

[Signature]
Laith Clemente - Operations Technician I

Date Mixed: 03-Oct-2023

Balance Serial # 1128360905

[Signature]
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Oct-2023

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



Certified Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number:
20064

Solvent(s):
Hexane

Lot#
273615

Lot Number:
022023

CLP PCB'S - Aroclor Mix

Description:
Aroclors 1016 & 1260

022033

Expiration Date:
Ambient (20 °C)

5E-05 Balance Uncertainty

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

0.010 Flask Uncertainty

Nominal Concentration (µg/mL):
1000

6UTB

NIST Test ID#:
20064

022023

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

200.0

Formulated By:
Benson Chan

022023

Reviewed By:
Pedro L. Rentas

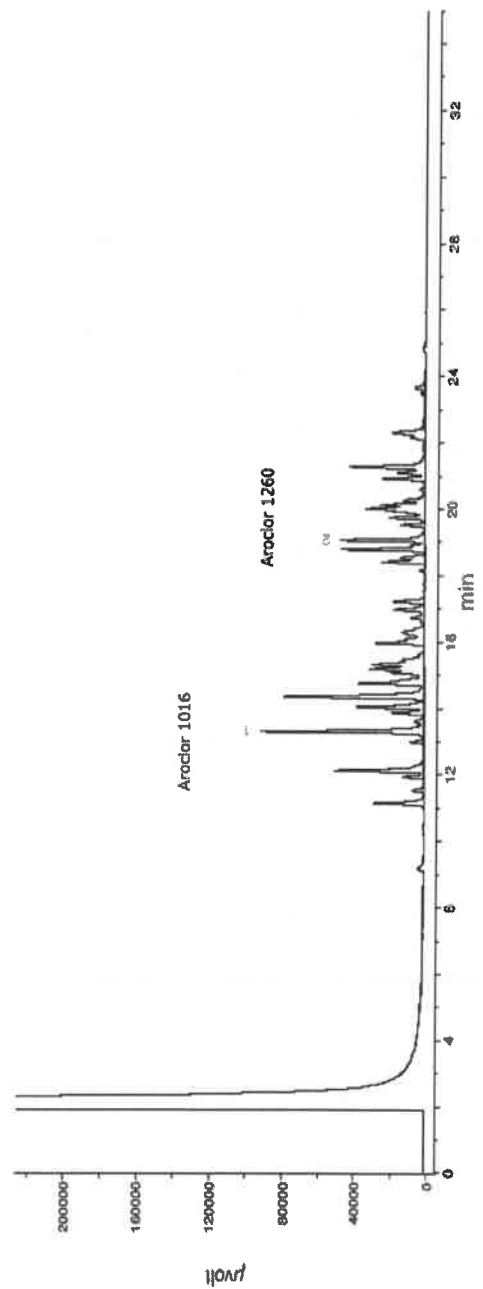
022023

PR2946 7/18
↓
12/20/23
PR2955

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	11096-82-5	0.5mg/m3	orl-rat 1315mg/kg

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

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





Certified Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number:
20084

Lot Number:
022023

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

Expiration Date:
022033

Recommended Storage:
Ambient (20 °C)

Nominal Concentration (µg/mL):
1000

NIST Test ID#:
6UTB

Solvent(s):
Hexane

Lot#
273615

Formulated By:
Benson Chan

Reviewed By:
Pedro L. Rentas

DATE
022023

DATE
022023

5E-05 Balance Uncertainty
0.010 Flask Uncertainty

Nominal Conc (µg/mL):
200.0

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

Part Number:
20084

Lot Number:
022023

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

Expiration Date:
022033

Recommended Storage:
Ambient (20 °C)

Nominal Concentration (µg/mL):
1000

NIST Test ID#:
6UTB

Solvent(s):
Hexane

Lot#
273615

Formulated By:
Benson Chan

Reviewed By:
Pedro L. Rentas

DATE
022023

DATE
022023

5E-05 Balance Uncertainty
0.010 Flask Uncertainty

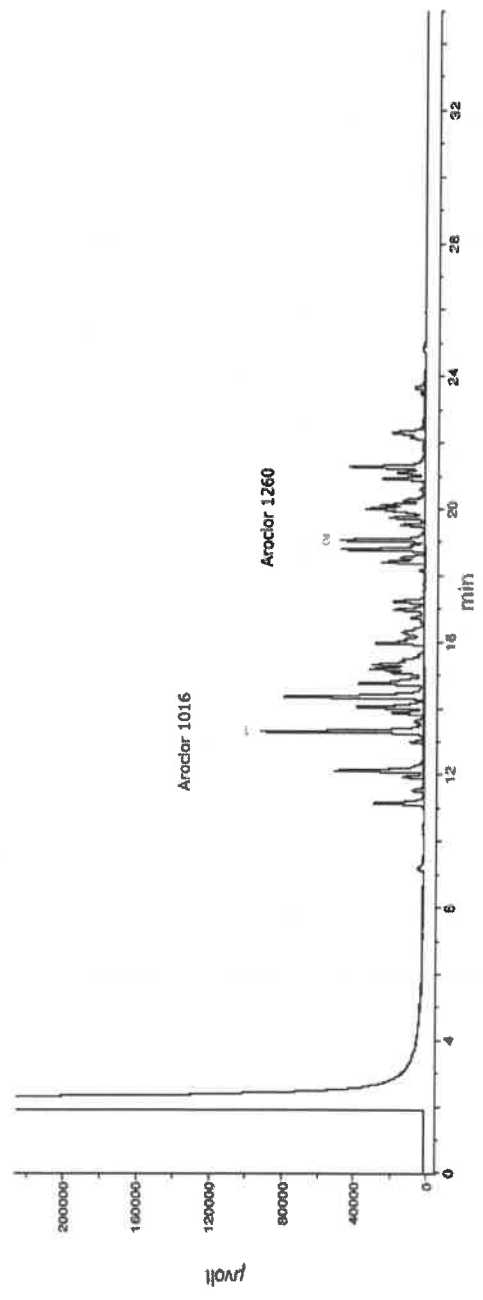
Nominal Conc (µg/mL):
200.0

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

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

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

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





CERTIFIED 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)

LDSO

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)

LDSO

Formulated By: Anthony Mahoney

121823

DATE

Reviewed By: Pedro L. Rentas

121823

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121823

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DATE

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DATE

Reviewed By: Pedro L. Rentas

121823

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Formulated By: Anthony Mahoney

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121823

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11097-69-1

0.5mg/m3 (skin)

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DATE

Reviewed By: Pedro L. Rentas

121823

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OSHA PEL (TWA)

LDSO

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)

LDSO

Formulated By: Anthony Mahoney

1218



CERTIFIED WEIGHT REPORT

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

Solvent(s): Hexane
Lot# 273615

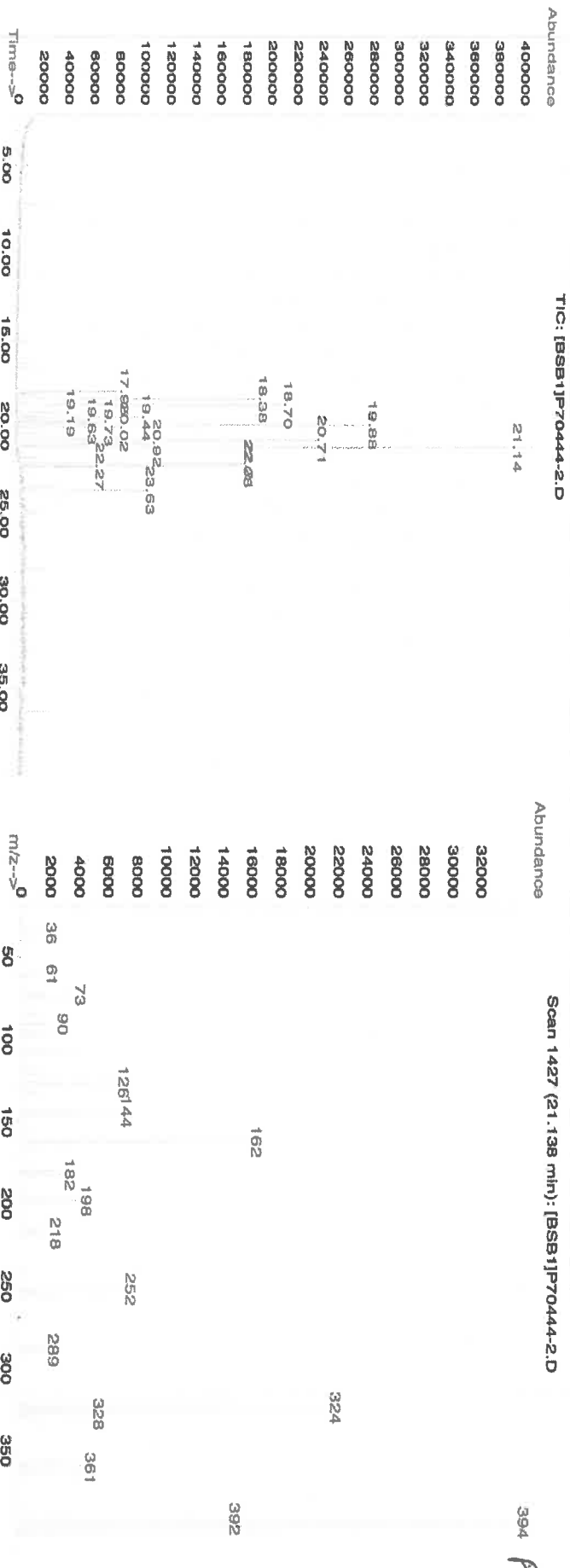
SE-05 Balance Uncertainty
0.005 Flask Uncertainty

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

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
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1. Atrocior 1262 444 W-130-05 1000 100 0.2 0.05003 0.05016 1002.7 4.5 37324-23-5 N/A or-ral 11300mg/kg

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



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

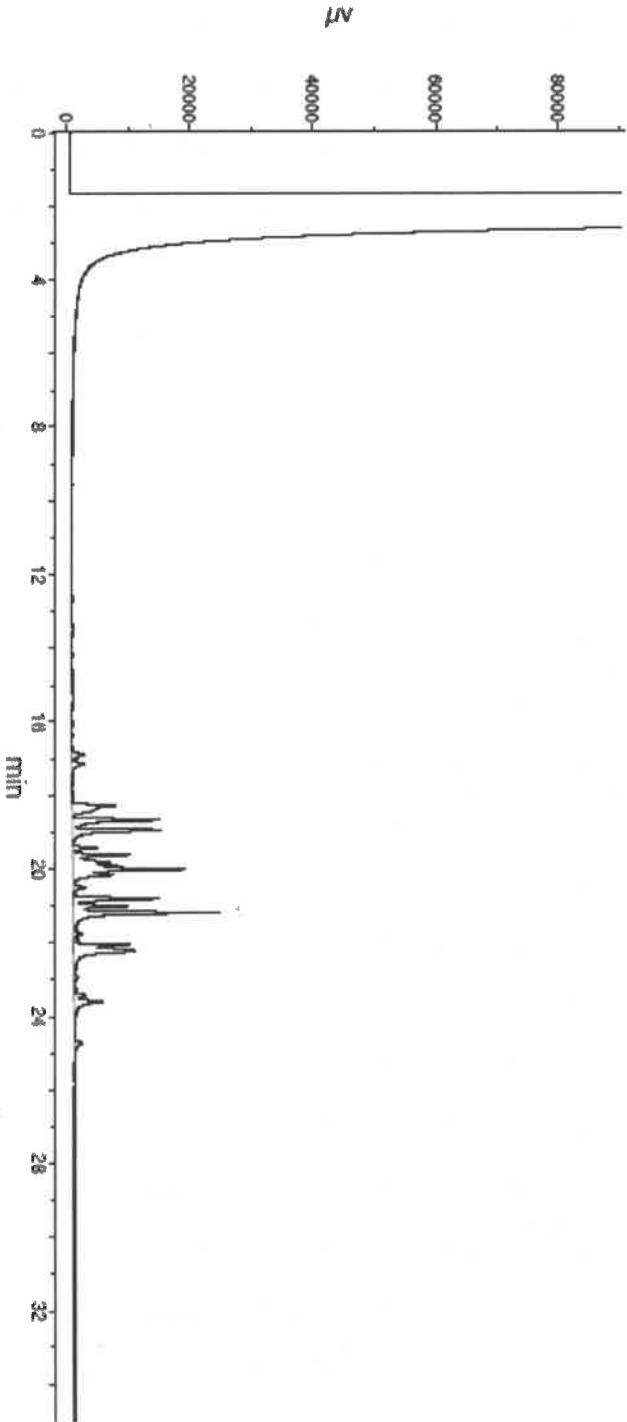


Run 20, "P90165 L112322 [1000µg/mL in hexane]"

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

Comments

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





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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

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

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DAUF
04/25/2024

CERTIFIED VALUES

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

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

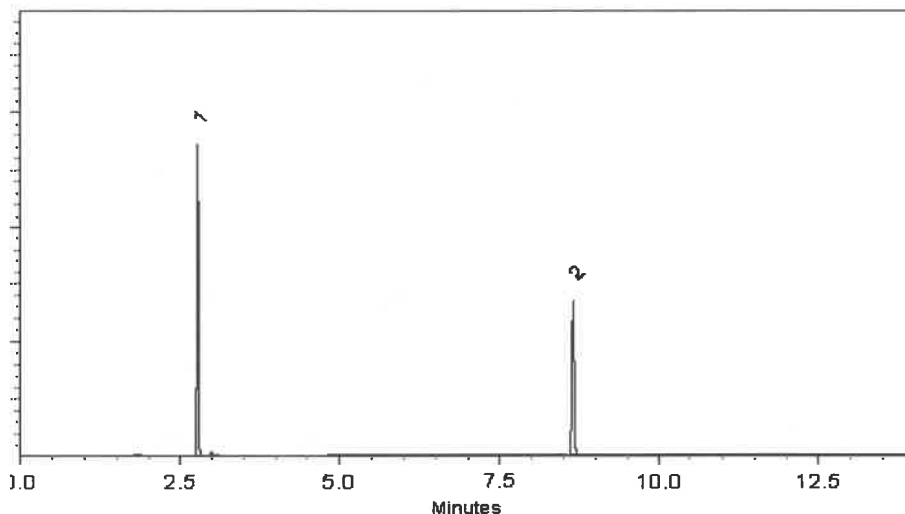
ECD

Split Vent:

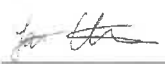
10 ml/min.

Inj. Vol

1µl

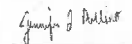


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

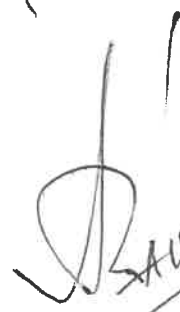
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

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SAUF
04/25/2025



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

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

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

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

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

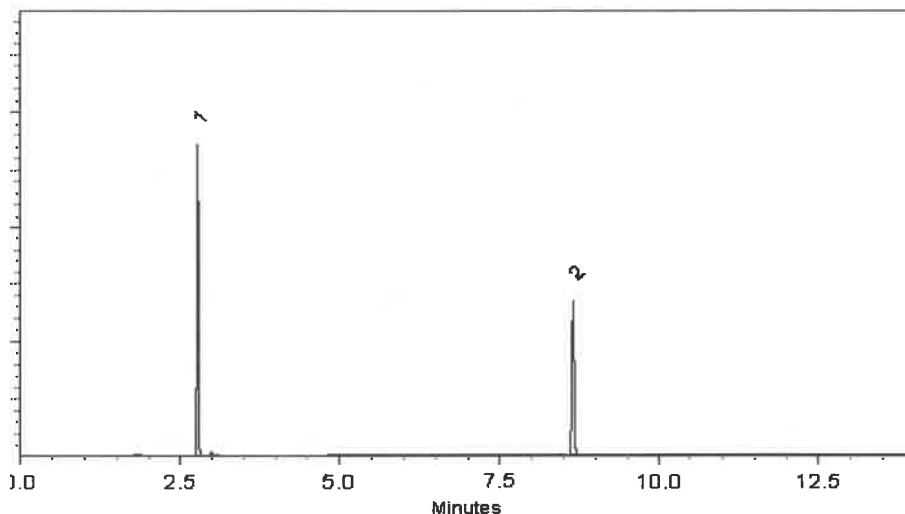
ECD

Split Vent:

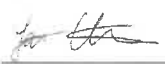
10 ml/min.

Inj. Vol

1µl

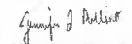


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

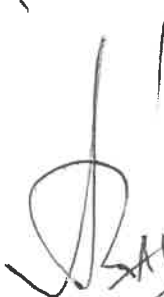
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

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04/25/2025



ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Aroclor 1221 Standard
Product Number: PP-292-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006783205
Lot Issue Date: 20-Feb-2024
Expiration Date: 31-Mar-2032

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
Aroclor 1221	100.3 ±	0.5 µg/mL	011104-28-2	NT01017

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

Description:

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

Traceability:

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

Homogeneity:

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

Instructions for Use:

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

Safety:

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

Intended Use:

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

Expiration of Certification:

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

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P13343

Page: 1 of 2

CSD-QA-015.2

ISO 17025

Cert No. AT-1937

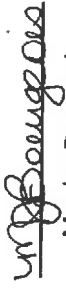
250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality



Maintenance of Certification:

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

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034
Cert No. AR-1936

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

Page: 2 of 2

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

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



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. **P4822**
QUOTE NO.
COC Number **2040631**

CLIENT INFORMATION

COMPANY: **BAPS** REPORT TO BE SENT TO:
ADDRESS: **2000 Tonnelle Ave**
CITY **North Bergen** STATE: **NJ** ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **BAPS Tonnelle Ave**
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

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

VOC-TCL VOC-10
EPH
TCL+30/TAL

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E/P	E	E							← Specify Preservatives	
1.	Soil-1	soil		X	11-24	1112	5	X	X								A-HCl	D-NaOH
2.	Soil-1		X			1120	4				X						B-HNO3	E-ICE
3.	Soil-2			X		1134	5	X	X								C-H2SO4	F-OTHER
4.	Soil-2		X			1141	4				X							
5.	Soil-3			X		1151	5	X	X									
6.	Soil-3		X			1159	4				X							
7.	Soil-4			X		1210	5	X	X									
8.	Soil-4		X			1218	4				X							
9.	Soil-5			Y		1230	5	X	X									
10.	Soil-5		X			1238	4				X							

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

RELINQUISHED BY SAMPLER: 1. JT	DATE/TIME: 11-12-24	RECEIVED BY: 1.	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.8 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3. JT	DATE/TIME: 11-12-24	RECEIVED BY: 3.	Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling
Shipment Complete
☐ YES ☐ NO

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number 2040632

P4822

CLIENT INFORMATION

COMPANY: BAPS REPORT TO BE SENT TO:

ADDRESS: 2000 Tonnelle Ave

CITY North Bergen STATE: NJ ZIP:

ATTENTION:

PHONE:

FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: BAPS Tonnelle Ave

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE:

FAX:

CLIENT BILLING INFORMATION

BILL TO:

PO#:

ADDRESS:

CITY

STATE:

ZIP:

ATTENTION:

PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*

HARDCOPY (DATA PACKAGE): _____ DAYS*

EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

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

1 VOC-TCL VOA-10
2 EPH
3 TCL+30/TAL

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	Soil-6	Soil		X	11/24	1245	5	X	X								
2.	Soil-6	I	X		11/24	1253	4			X							
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:

DATE/TIME: 1310

RECEIVED BY:

1. IT

11/24

1.

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

2.

2.

RELINQUISHED BY SAMPLER:

DATE/TIME: 1420

RECEIVED BY:

3. IT

11/24

3.

Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP

3.8 °C

Comments:

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other

CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete

☐ YES ☐ NO

Environmental Laboratory

Project Name: BAPS Tonnelle
Ave

Sampler Name: JT

AVE

Service Order #:

Work Order #:

Labor WBS#:

Facility/Size:

Site Address: 2000 Towell

Arrive time: 1030

Site Address:

Ave, North Bergen NJ

Depart Time: 1310

Waste Stream (circle one): drum / roll-off / snail pile / (n-sift) / linear construction / free track

Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Deaths: NA

Dimensions/cy: 154 x (~50) x (~15)

Temp (range): 3.8 °C

PID Readings (range):

PPM

Odor: Y / (N)

Color: Y / N

Sample Description:

Sample Description: Sandy Rocky soil, woodchips present

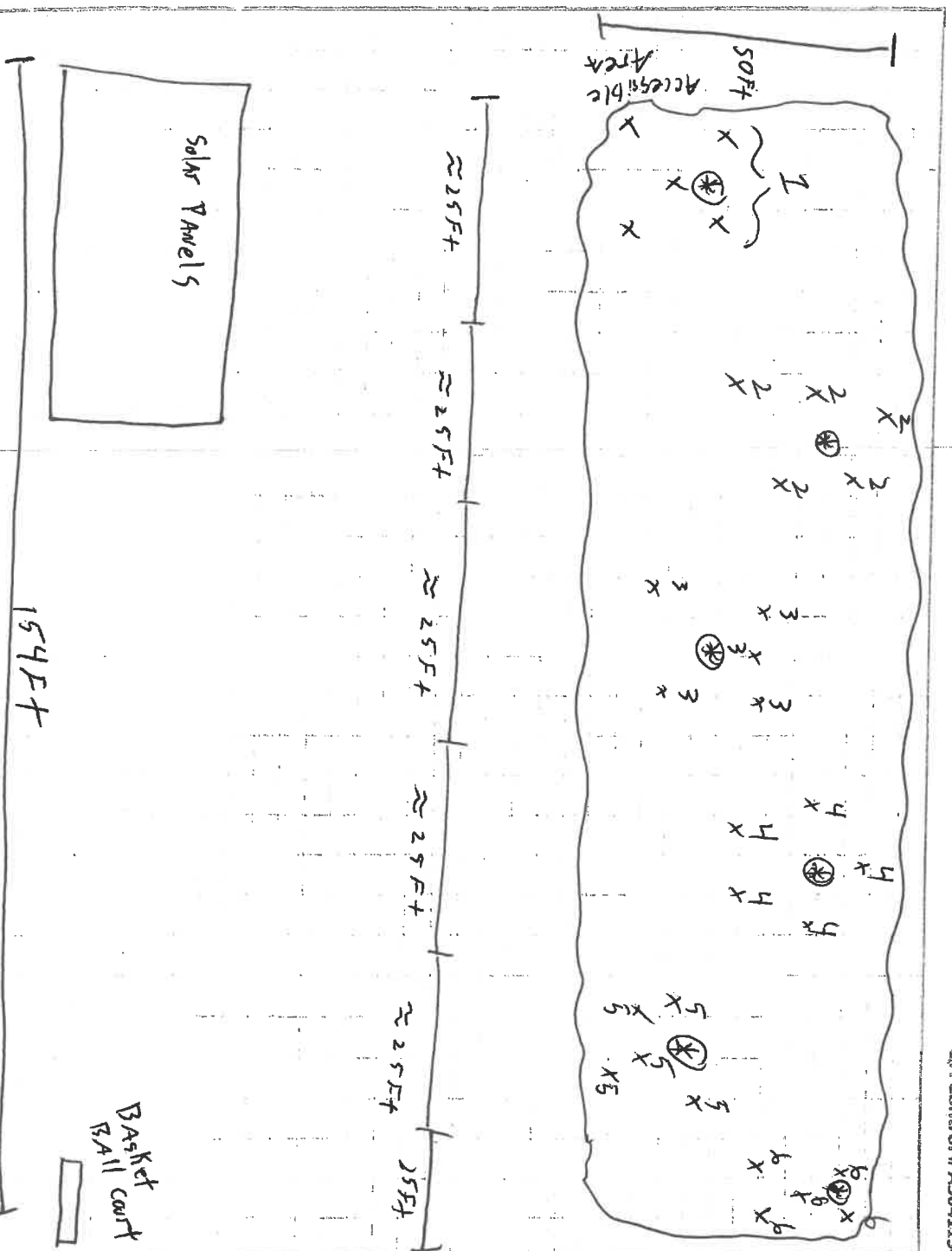
Field Observations: Large hill back of parking lot

Field Observations:

Large hill back of parking lot

Grid/Area Composite Map:

QA Control # A3041134



Sampler Signature: JT

Supervisor Review/Date:

Client Signature: _____

Notes/Times Assigned - 21 - 21.



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

Laboratory Certification

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4822	BAPS03	Order Date : 11/12/2024 1:54:09 PM	Project Mgr :
Client Name : BAPS North Bergen		Project Name : BAPS North Bergen	Report Type : Level 1
Client Contact : Rakesh Patel		Receive DateTime : 11/12/2024 2:20:00 PM	EDD Type : EXCEL NJCLEANUP
Invoice Name : BAPS North Bergen		Purchase Order :	Hard Copy Date :
Invoice Contact : Rakesh Patel			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4822-01	SOIL-1	Solid	11/12/2024	11:12					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-03	SOIL-2	Solid	11/12/2024	11:34					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-05	SOIL-3	Solid	11/12/2024	11:51					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-07	SOIL-4	Solid	11/12/2024	12:10					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-09	SOIL-5	Solid	11/12/2024	12:30					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-11	SOIL-6	Solid	11/12/2024	12:45					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4822 BAPS03

Order Date : 11/12/2024 1:54:09 PM

Project Mgr :

Client Name : BAPS North Bergen

Project Name : BAPS North Bergen

Report Type : Level 1

Client Contact : Rakesh Patel

Receive DateTime : 11/12/2024 2:20:00 PM

EDD Type : EXCEL NJCLEANUP

Invoice Name : BAPS North Bergen

Purchase Order :

Hard Copy Date :

Invoice Contact : Rakesh Patel

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
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Relinquished By : IT

Date / Time : 11.12.24/1440

Received By : [Signature]

Date / Time : 11/12/24

3:00 PM

Storage Area : VOA Refridgerator Room