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Cover Page

Order ID : Q1523

Project ID : 540 Degraw St, Brooklyn, NY - E9309

Client : ENTACT

Lab Sample Number	Client Sample Number
Q1523-01	WC-A1-01-G
Q1523-02	WC-A1-01-C
Q1523-03	WC-A1-01-C
Q1523-04	WC-A1-02-G
Q1523-05	WC-A1-02-C
Q1523-06	WC-A1-02-C
Q1523-07	WC-A1-01-C
Q1523-08	WC-A1-02-C

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: 3/22/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

ENTACT
Project Name: 540 Degraw St, Brooklyn, NY - E9309
Project # N/A
Chemtech Project # Q1523
Test Name: PCB

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 03/07/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, Corrosivity, Ignitability, Oil and Grease, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TCLPMetals Group2, TS and TVS. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

E. Additional Comments:
The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:

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

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

Signature_____

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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 is 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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1523**

	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: **SOHIL JODHANI** **Date:** **03/22/2025**

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LAB CHRONICLE

OrderID:	Q1523	**OrderDate:**	3/7/2025 10:35:00 AM
Client:	ENTACT	**Project:**	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	**Location:**	I31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1523-02	**WC-A1-01-C**	**SOIL**			**03/06/25**			**03/07/25**
			PCB	8082A		03/10/25	03/10/25	
Q1523-03	**WC-A1-01-C**	**TCLP**			**03/06/25**			**03/07/25**
			TCLP Herbicide	8151A		03/11/25	03/12/25	
			TCLP Pesticide	8081B		03/11/25	03/12/25	
Q1523-05	**WC-A1-02-C**	**SOIL**			**03/06/25**			**03/07/25**
			PCB	8082A		03/10/25	03/10/25	
Q1523-06	**WC-A1-02-C**	**TCLP**			**03/06/25**			**03/07/25**
			TCLP Herbicide	8151A		03/11/25	03/12/25	
			TCLP Pesticide	8081B		03/11/25	03/12/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1523 **Order ID:** Q1523

Client: ENTACT **Project ID:** 540 Degraw St, Brooklyn, NY - E9309

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q1523

Client: ENTACT

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP069995.D	PIBLK-PP069995.D	Tetrachloro-m-xylene	1	20	21.9	109		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.8	109		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.1	110		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.6	108		70 (60)	130 (140)
I.BLK-PP070394.D	PIBLK-PP070394.D	Tetrachloro-m-xylene	1	20	20.8	104		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	19.6	98		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	21.4	107		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.4	102		70 (60)	130 (140)
PB167043BL	PB167043BL	Tetrachloro-m-xylene	1	20	22.4	112		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.2	101		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.6	108		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.0	100		30 (32)	150 (175)
PB167043BS	PB167043BS	Tetrachloro-m-xylene	1	20	23.3	116		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.7	104		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.7	108		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.4	102		30 (32)	150 (175)
Q1523-02	WC-A1-01-C	Tetrachloro-m-xylene	1	20	22.7	114		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	15.8	79		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	12.1	61		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	15.3	76		30 (32)	150 (175)
Q1523-02MS	WC-A1-01-CMS	Tetrachloro-m-xylene	1	20	21.3	107		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	16.3	81		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	13.5	68		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	13.8	69		30 (32)	150 (175)
Q1523-02MSD	WC-A1-01-CMSD	Tetrachloro-m-xylene	1	20	22.4	112		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	16.1	81		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	13.1	65		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	15.3	77		30 (32)	150 (175)
Q1523-05	WC-A1-02-C	Tetrachloro-m-xylene	1	20	20.0	100		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	15.4	77		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	13.3	66		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	14.2	71		30 (32)	150 (175)
I.BLK-PP070409.D	PIBLK-PP070409.D	Tetrachloro-m-xylene	1	20	21.1	105		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	20.2	101		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	21.4	107		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.1	106		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1523

Client: ENTACT

Analytical Method: 8082A **DataFile :** PP070398.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**WC-A1-01-CMS**											
Q1523-02MS	AR1016	211.6	0	168	ug/kg	79				40 (55)	140 (146)	
	AR1260	211.6	0	167	ug/kg	79				40 (31)	140 (146)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1523

Client: ENTACT

Analytical Method: 8082A **DataFile :** PP070399.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**WC-A1-01-CMSD**											
Q1523-02MSD	AR1016	212	0	160	ug/kg	75		5		40 (55)	140 (146)	30 (20)
	AR1260	212	0	168	ug/kg	79		0		40 (31)	140 (146)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1523

Client: ENTACT

Analytical Method: 8082A **Datafile :** PP070396.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167043BS	AR1016	166.6	167	ug/kg	100				40 (71)	140 (120)	
	AR1260	166.6	155	ug/kg	93				40 (65)	140 (130)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167043BL

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q1523 SAS No.: Q1523 SDG NO.: Q1523

Lab Sample ID: PB167043BL Lab File ID: PP070395.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 03/10/2025

Date Analyzed (1): 03/10/2025 Date Analyzed (2): 03/10/2025

Time Analyzed (1): 13:28 Time Analyzed (2): 13:28

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB167043BS	PB167043BS	PP070396.D	03/10/2025	03/10/2025
WC-A1-01-C	Q1523-02	PP070397.D	03/10/2025	03/10/2025
WC-A1-01-CMS	Q1523-02MS	PP070398.D	03/10/2025	03/10/2025
WC-A1-01-CMSD	Q1523-02MSD	PP070399.D	03/10/2025	03/10/2025
WC-A1-02-C	Q1523-05	PP070400.D	03/10/2025	03/10/2025

COMMENTS:

SAMPLE DATA

Raw Data: **PP070397.D**

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Report of Analysis

Client:	ENTACT	Date Collected:	03/06/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	03/07/25
Client Sample ID:	WC-A1-01-C	SDG No.:	Q1523
Lab Sample ID:	Q1523-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	78.6 Decanted:
Sample Wt/Vol:	30.05 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
PP070397.D	1	03/10/25 08:35	03/10/25 14:01	PB167043

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.30	U	4.30	21.6	ug/kg
11104-28-2	Aroclor-1221	8.10	U	8.10	21.6	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	21.6	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	21.6	ug/kg
12672-29-6	Aroclor-1248	10.0	U	10.0	21.6	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	21.6	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	21.6	ug/kg
11100-14-4	Aroclor-1268	4.40	U	4.40	21.6	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	21.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.7		30 (32) - 150 (144)	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.8		30 (32) - 150 (175)	79%	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

Quantitation Report (QT Reviewed)

Sample Results: **PP070397.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070397.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 14:01
Operator : YP\AJ
Sample : Q1523-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
WC-A1-01-C

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/11/2025
Supervised By :Ankita Jodhani 03/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 14:31:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.515	3.827	33312428	11578497	22.698m	12.111 #
2)	SA Decachlor...	10.246	8.877	17986851	16529339	15.791	15.247
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070397.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 14:01
Operator : YP\AJ
Sample : Q1523-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

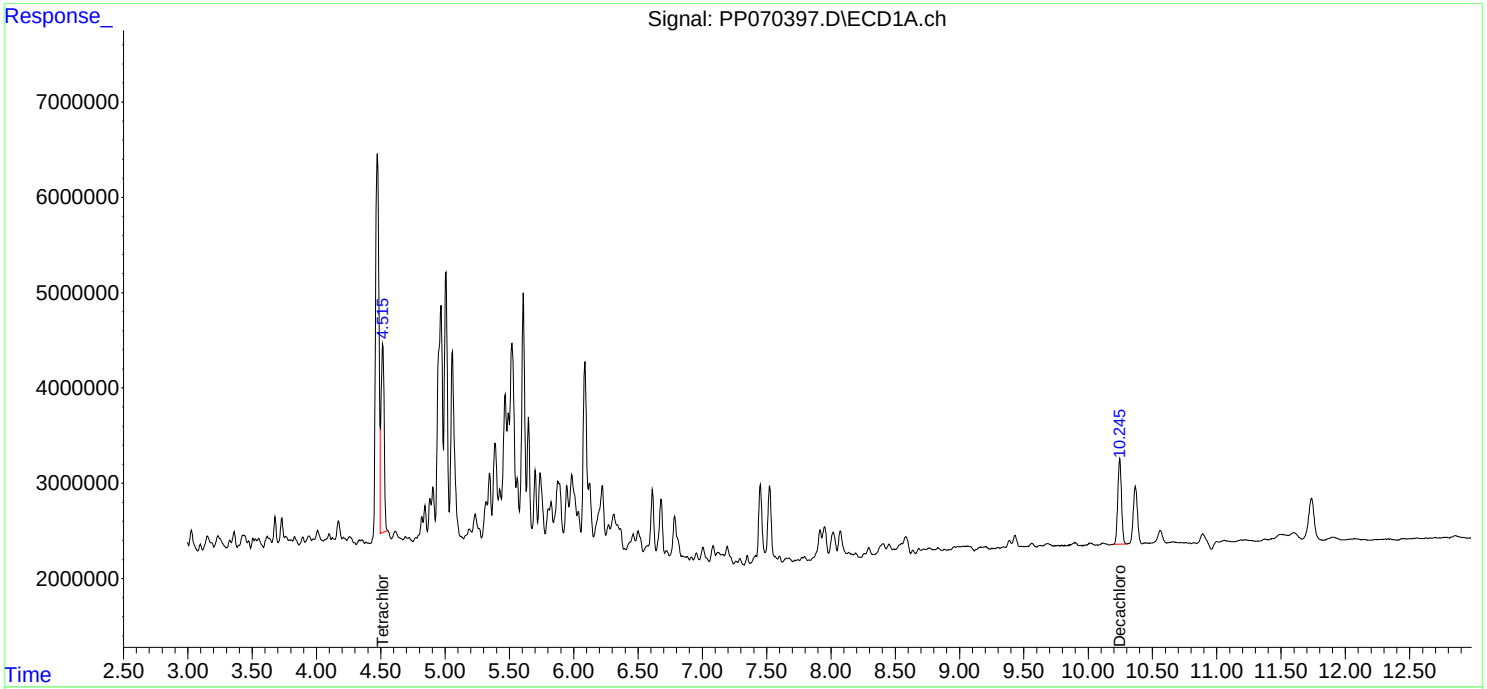
Instrument :
ECD_P
ClientSampleId :
WC-A1-01-C

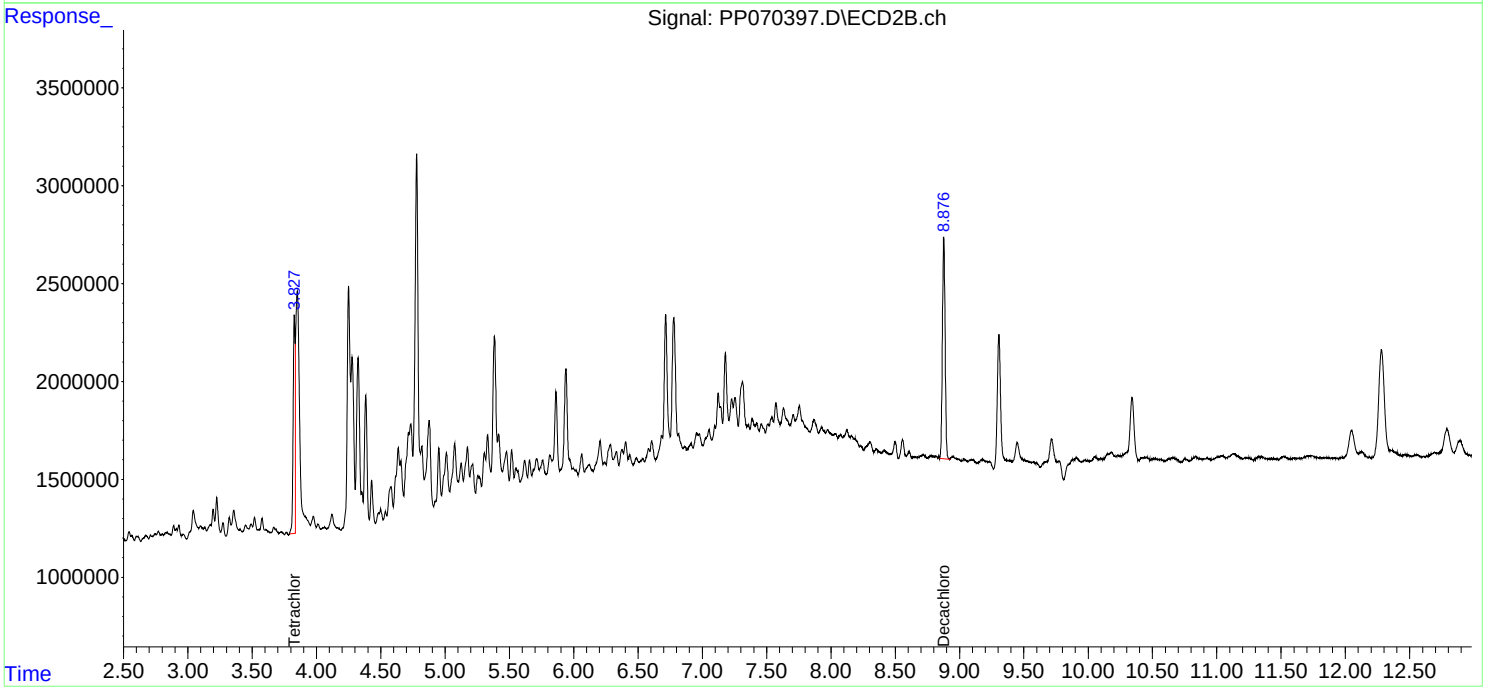
Manual Integrations APPROVED

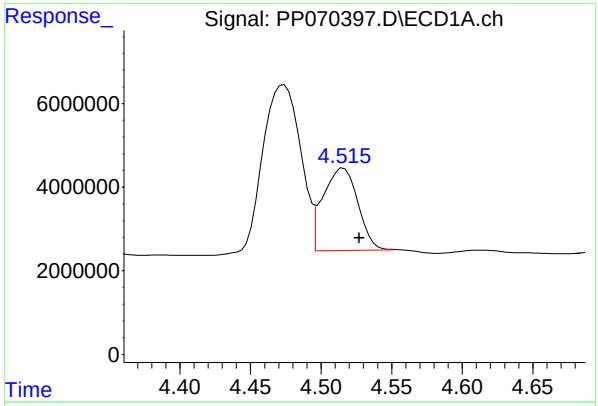
Reviewed By :Yogesh Patel 03/11/2025
Supervised By :Ankita Jodhani 03/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 14:31:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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







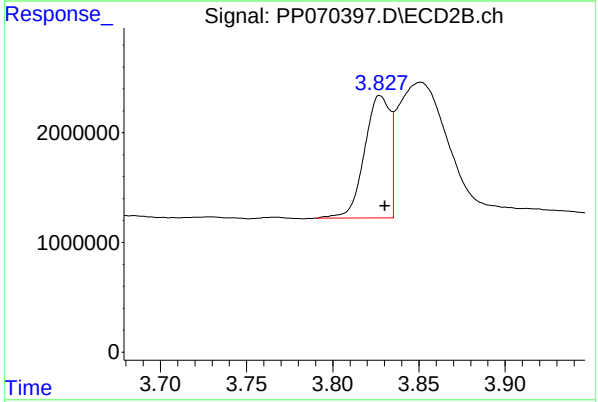
#1 Tetrachloro-m-xylene

R.T.: 4.515 min
Delta R.T.: -0.012 min
Response: 33312428
Conc: 22.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
WC-A1-01-C

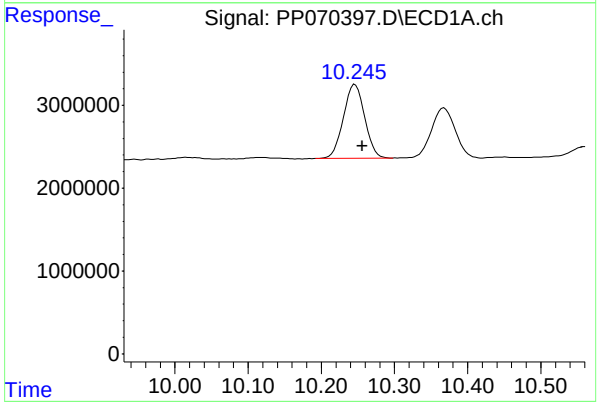
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/11/2025
Supervised By :Ankita Jodhani 03/11/2025



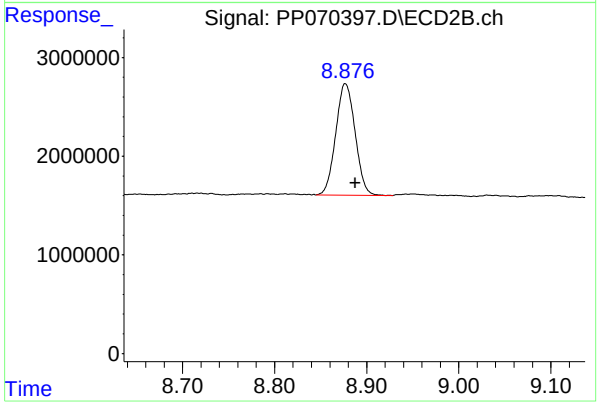
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: -0.003 min
Response: 11578497
Conc: 12.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.246 min
Delta R.T.: -0.010 min
Response: 17986851
Conc: 15.79 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.877 min
Delta R.T.: -0.011 min
Response: 16529339
Conc: 15.25 ng/ml

Raw Data: **PP070400.D**

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Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	03/06/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	03/07/25
Client Sample ID:	WC-A1-02-C	SDG No.:	Q1523
Lab Sample ID:	Q1523-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	78 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
PP070400.D	1	03/10/25 08:35	03/10/25 14:49	PB167043

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.30	U	4.30	21.8	ug/kg
11104-28-2	Aroclor-1221	8.20	U	8.20	21.8	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	21.8	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	21.8	ug/kg
12672-29-6	Aroclor-1248	10.1	U	10.1	21.8	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	21.8	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	21.8	ug/kg
11100-14-4	Aroclor-1268	4.40	U	4.40	21.8	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	21.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.0		30 (32) - 150 (144)	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.4		30 (32) - 150 (175)	77%	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

Quantitation Report (QT Reviewed)

Sample Results: **PP070400.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070400.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 14:49
Operator : YP\AJ
Sample : Q1523-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
WC-A2-02-C

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/11/2025
Supervised By :Ankita Jodhani 03/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 15:34:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.521	3.829	29400771	12674797	20.033m	13.258 #
2)	SA Decachlor...	10.252	8.879	17523607	15398920	15.385	14.204
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070400.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 14:49
Operator : YP\AJ
Sample : Q1523-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

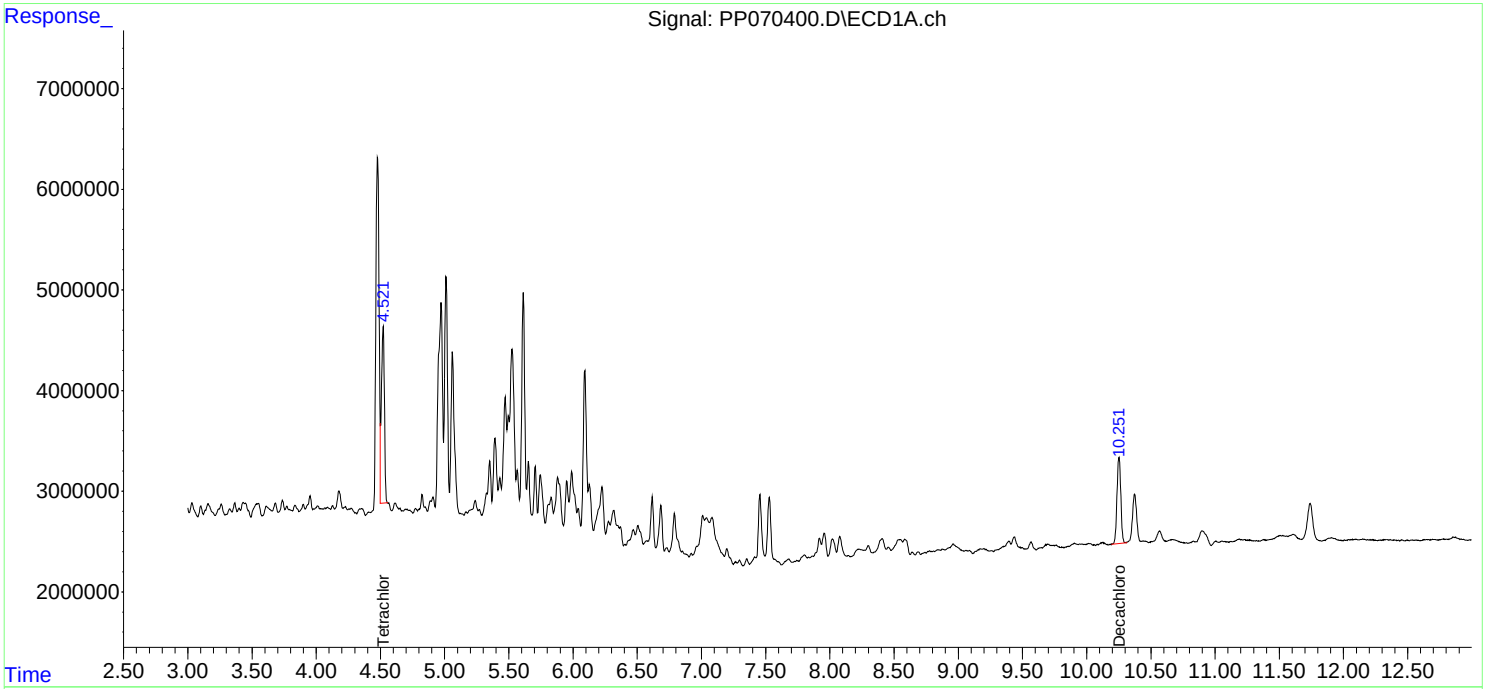
Instrument :
ECD_P
ClientSampleId :
WC-A2-02-C

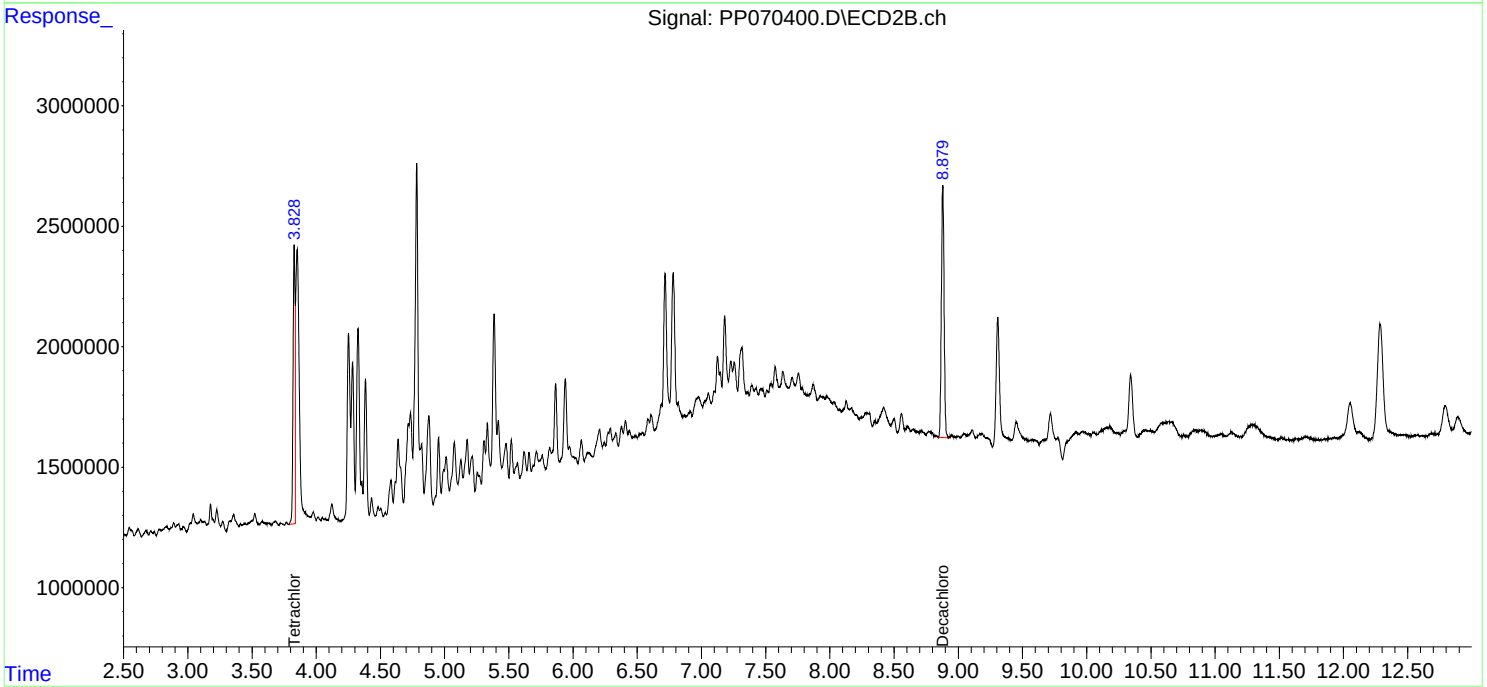
Manual Integrations APPROVED

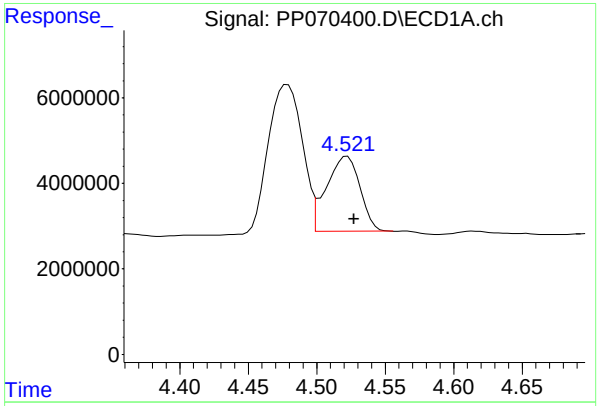
Reviewed By :Yogesh Patel 03/11/2025
Supervised By :Ankita Jodhani 03/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 15:34:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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







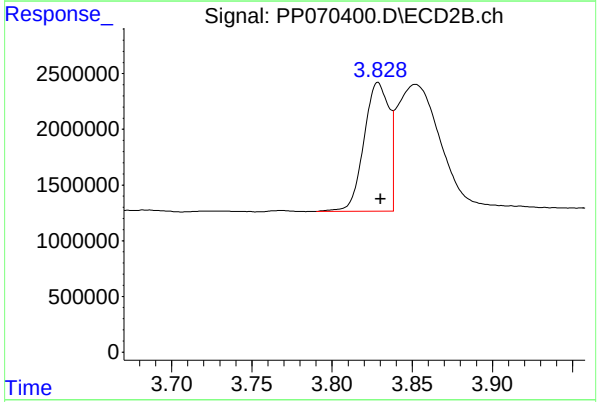
#1 Tetrachloro-m-xylene

R.T.: 4.521 min
Delta R.T.: -0.006 min
Response: 29400771
Conc: 20.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
WC-A2-02-C

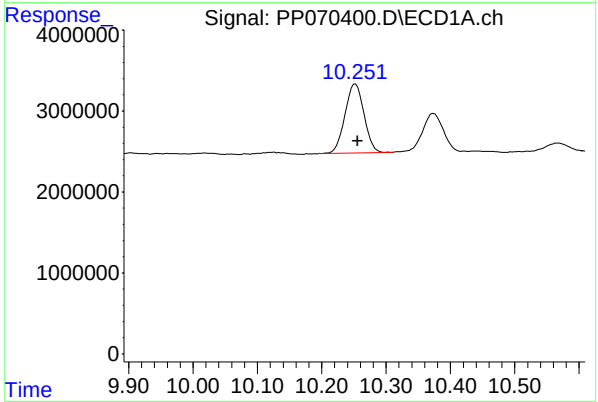
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/11/2025
Supervised By :Ankita Jodhani 03/11/2025



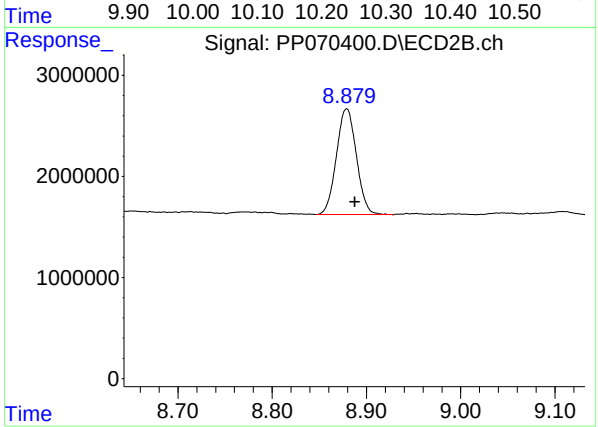
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.002 min
Response: 12674797
Conc: 13.26 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.004 min
Response: 17523607
Conc: 15.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.879 min
Delta R.T.: -0.009 min
Response: 15398920
Conc: 14.20 ng/ml

CALIBRATION SUMMARY

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM **Case No.:** Q1523 **SAS No.:** Q1523 **SDG NO.:** Q1523

Instrument ID: ECD_P **Calibration Date(s):** 02/24/2025 02/24/2025

Calibration Times: 14:59 22:17

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

LAB FILE ID: RT 1000 = PP069996.D RT 750 = PP069997.D

RT 500 = PP069998.D RT 250 = PP069999.D RT 050 = PP070000.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1016-2	(2)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1016-3	(3)	5.76	5.76	5.77	5.76	5.76	5.76	5.66	5.86
Aroclor-1016-4	(4)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1016-5	(5)	6.15	6.15	6.16	6.15	6.15	6.15	6.05	6.25
Aroclor-1260-1	(1)	7.27	7.27	7.28	7.27	7.28	7.27	7.17	7.37
Aroclor-1260-2	(2)	7.52	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Aroclor-1260-3	(3)	7.88	7.89	7.89	7.88	7.89	7.89	7.79	7.99
Aroclor-1260-4	(4)	8.11	8.11	8.11	8.11	8.11	8.11	8.01	8.21
Aroclor-1260-5	(5)	8.43	8.43	8.43	8.43	8.43	8.43	8.33	8.53
Decachlorobiphenyl		10.25	10.26	10.26	10.25	10.26	10.25	10.15	10.35
Tetrachloro-m-xylene		4.52	4.53	4.53	4.52	4.53	4.53	4.43	4.63
Aroclor-1242-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1242-2	(2)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1242-3	(3)	5.76	5.76	5.77	5.76	5.76	5.76	5.66	5.86
Aroclor-1242-4	(4)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1242-5	(5)	6.59	6.59	6.59	6.59	6.59	6.59	6.49	6.69
Decachlorobiphenyl		10.26	10.25	10.26	10.25	10.26	10.26	10.16	10.36
Tetrachloro-m-xylene		4.53	4.52	4.53	4.53	4.53	4.53	4.43	4.63
Aroclor-1248-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1248-2	(2)	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
Aroclor-1248-3	(3)	6.15	6.16	6.15	6.15	6.15	6.15	6.05	6.25
Aroclor-1248-4	(4)	6.55	6.56	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1248-5	(5)	6.59	6.59	6.59	6.59	6.59	6.59	6.49	6.69
Decachlorobiphenyl		10.26	10.26	10.26	10.26	10.25	10.26	10.16	10.36
Tetrachloro-m-xylene		4.53	4.53	4.53	4.53	4.52	4.53	4.43	4.63
Aroclor-1254-1	(1)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1254-2	(2)	6.75	6.74	6.75	6.75	6.74	6.75	6.65	6.85
Aroclor-1254-3	(3)	7.11	7.11	7.11	7.11	7.11	7.11	7.01	7.21
Aroclor-1254-4	(4)	7.39	7.39	7.39	7.39	7.39	7.39	7.29	7.49
Aroclor-1254-5	(5)	7.81	7.80	7.81	7.81	7.81	7.81	7.71	7.91
Decachlorobiphenyl		10.26	10.25	10.26	10.26	10.26	10.26	10.16	10.36
Tetrachloro-m-xylene		4.53	4.52	4.53	4.53	4.52	4.53	4.43	4.63
Aroclor-1268-1	(1)	8.74	8.75	8.75	8.74	8.75	8.75	8.65	8.85
Aroclor-1268-2	(2)	8.84	8.84	8.84	8.84	8.84	8.84	8.74	8.94
Aroclor-1268-3	(3)	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
Aroclor-1268-4	(4)	9.49	9.49	9.49	9.49	9.49	9.49	9.39	9.59
Aroclor-1268-5	(5)	9.91	9.91	9.91	9.91	9.91	9.91	9.81	10.01

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.25	10.25	10.26	10.25	10.26	10.25	10.15	10.35
Tetrachloro-m-xylene	4.52	4.53	4.53	4.52	4.53	4.53	4.43	4.63

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM **Case No.:** Q1523 **SAS No.:** Q1523 **SDG NO.:** Q1523

Instrument ID: ECD_P **Calibration Date(s):** 02/24/2025 02/24/2025

Calibration Times: 14:59 22:17

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

LAB FILE ID: RT 1000 = PP069996.D RT 750 = PP069997.D

RT 500 = PP069998.D RT 250 = PP069999.D RT 050 = PP070000.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-2	(2)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1016-3	(3)	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1016-4	(4)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1016-5	(5)	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Aroclor-1260-1	(1)	6.41	6.41	6.41	6.41	6.41	6.41	6.31	6.51
Aroclor-1260-2	(2)	6.60	6.60	6.60	6.60	6.60	6.60	6.50	6.70
Aroclor-1260-3	(3)	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Aroclor-1260-4	(4)	7.23	7.23	7.23	7.23	7.23	7.23	7.13	7.33
Aroclor-1260-5	(5)	7.47	7.47	7.47	7.47	7.47	7.47	7.37	7.57
Decachlorobiphenyl		8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1242-1	(1)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-2	(2)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1242-3	(3)	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1242-4	(4)	5.20	5.20	5.20	5.20	5.20	5.20	5.10	5.30
Aroclor-1242-5	(5)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Decachlorobiphenyl		8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1248-1	(1)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1248-2	(2)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-3	(3)	5.20	5.20	5.20	5.20	5.20	5.20	5.10	5.30
Aroclor-1248-4	(4)	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Aroclor-1248-5	(5)	5.77	5.77	5.77	5.77	5.77	5.77	5.67	5.87
Decachlorobiphenyl		8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1254-1	(1)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Aroclor-1254-2	(2)	5.88	5.88	5.88	5.88	5.87	5.88	5.78	5.98
Aroclor-1254-3	(3)	6.28	6.28	6.28	6.28	6.28	6.28	6.18	6.38
Aroclor-1254-4	(4)	6.51	6.51	6.51	6.51	6.51	6.51	6.41	6.61
Aroclor-1254-5	(5)	6.93	6.93	6.93	6.93	6.93	6.93	6.83	7.03
Decachlorobiphenyl		8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1268-1	(1)	7.75	7.75	7.75	7.75	7.75	7.75	7.65	7.85
Aroclor-1268-2	(2)	7.81	7.82	7.82	7.81	7.81	7.81	7.71	7.91
Aroclor-1268-3	(3)	8.02	8.02	8.02	8.02	8.02	8.02	7.92	8.12
Aroclor-1268-4	(4)	8.32	8.32	8.32	8.31	8.32	8.32	8.22	8.42
Aroclor-1268-5	(5)	8.62	8.62	8.62	8.62	8.62	8.62	8.52	8.72

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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Tetrachloro-m-xylene	3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93

Raw Data

Alliance TECHNICAL GROUP

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM **Case No.:** Q1523 **SAS No.:** Q1523 **SDG NO.:** Q1523

Instrument ID: ECD_P **Calibration Date(s):** 02/24/2025 02/24/2025

Calibration Times: 14:59 22:17

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

LAB FILE ID: **CF 1000 =** PP069996.D **CF 750 =** PP069997.D

CF 500 = PP069998.D **CF 250 =** PP069999.D **CF 050 =** PP070000.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	45557625	47855512	49968516	54800208	50948980	49826168	7
Aroclor-1016-2	(2)	66706952	67781012	72991154	76640772	69769920	70777962	6
Aroclor-1016-3	(3)	40794671	44579197	45146958	47844192	41247180	43922440	7
Aroclor-1016-4	(4)	33978080	35043389	37559532	39668600	35057220	36261364	6
Aroclor-1016-5	(5)	31514906	31680175	34068042	35364724	35064900	33538549	5
Aroclor-1260-1	(1)	54823994	55486535	59388846	62695304	59405260	58359988	6
Aroclor-1260-2	(2)	73383444	75987972	80712800	85961116	92581060	81725278	9
Aroclor-1260-3	(3)	59489338	60560020	64011918	67792592	61951460	62761066	5
Aroclor-1260-4	(4)	58704582	59596489	63141360	67201512	68361020	63400993	7
Aroclor-1260-5	(5)	124764910	128178828	134805260	140592412	127581700	131184622	5
Decachlorobiphenyl		1071742430	1139629213	1165555660	1227723520	1090515400	1139033245	5
Tetrachloro-m-xylene		1433727050	1435859520	1533424440	1590932200	1344174400	1467623522	7
Aroclor-1242-1	(1)	38359202	40766156	41566668	47963164	43620760	42455190	9
Aroclor-1242-2	(2)	56757612	55666953	60328714	62664932	52294440	57542530	7
Aroclor-1242-3	(3)	34692482	36785992	38528310	46539712	33080140	37925327	14
Aroclor-1242-4	(4)	28738709	28291829	32018112	32372976	27652280	29814781	7
Aroclor-1242-5	(5)	32588629	32785485	35429746	39255208	36117200	35235254	8
Decachlorobiphenyl		1021050090	1049520227	1099648880	1125224680	979176800	1054924135	6
Tetrachloro-m-xylene		1392047690	1350066600	1467421460	1456806320	1242599600	1381788334	7
Aroclor-1248-1	(1)	29585124	31433301	32559076	36305496	33667780	32710155	8
Aroclor-1248-2	(2)	39473771	42013749	42864276	46958912	39450360	42152214	7
Aroclor-1248-3	(3)	43926772	44170904	46948106	50004072	40811360	45172243	8
Aroclor-1248-4	(4)	53918087	55655911	58640506	66304332	60297700	58963307	8
Aroclor-1248-5	(5)	51833391	52919351	56894804	67563228	56719440	57186043	11
Decachlorobiphenyl		1044729320	1067835560	1119982260	1186291160	1031748600	1090117380	6
Tetrachloro-m-xylene		1393266240	1426265507	1481945040	1527838200	1310175600	1427898117	6
Aroclor-1254-1	(1)	51156577	57570420	60622162	67008468	47144000	56700325	14
Aroclor-1254-2	(2)	78872042	81254612	86985854	93340172	97974740	87685484	9
Aroclor-1254-3	(3)	79973406	82322503	87641586	92940192	102754200	89126377	10
Aroclor-1254-4	(4)	66856800	68050653	73453394	76814612	87380160	74511124	11
Aroclor-1254-5	(5)	65315189	68448207	69620926	72356948	60070200	67162294	7
Decachlorobiphenyl		1075591380	1094765307	1221801800	1207489520	1097348200	1139399241	6
Tetrachloro-m-xylene		1443804100	1475957520	1555264320	1605313440	1392239200	1494515716	6
Aroclor-1268-1	(1)	188433469	184749517	193628348	206851508	186804180	192093404	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	162697797	159627413	168307400	177293676	160000200	165585297	4
Aroclor-1268-3	(3)	141621356	137143849	145386650	153273656	140094780	143504058	4
Aroclor-1268-4	(4)	63392961	60284985	64357574	66970196	60240320	63049207	5
Aroclor-1268-5	(5)	414016384	401287087	418333378	444189832	401775920	415920520	4
Decachlorobiphenyl		1839528480	1828279133	1916502300	2031355480	1847859400	1892704959	4
Tetrachloro-m-xylene		1501238100	1376017987	1532711540	1621137720	1417123400	1489645749	7

Raw Data

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM **Case No.:** Q1523 **SAS No.:** Q1523 **SDG NO.:** Q1523

Instrument ID: ECD_P **Calibration Date(s):** 02/24/2025 02/24/2025

Calibration Times: 14:59 22:17

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

LAB FILE ID: **CF 1000 =** PP069996.D **CF 750 =** PP069997.D

CF 500 = PP069998.D **CF 250 =** PP069999.D **CF 050 =** PP070000.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	29885830	30191223	33586918	36186236	37142680	33398577	10
Aroclor-1016-2	(2)	42247324	42370143	46984138	50510676	50858960	46594248	9
Aroclor-1016-3	(3)	23325129	22666977	25816242	27757500	25596220	25032414	8
Aroclor-1016-4	(4)	18421261	17991491	20585360	22152124	21203180	20070683	9
Aroclor-1016-5	(5)	23822938	23028484	26536406	28616852	27728040	25946544	9
Aroclor-1260-1	(1)	44977992	45171227	49550340	56779968	51216800	49539265	10
Aroclor-1260-2	(2)	59688698	59926561	64720792	71640216	71124240	65420101	9
Aroclor-1260-3	(3)	52251359	51461445	57261004	62988144	77648420	60322074	18
Aroclor-1260-4	(4)	44361395	45109507	48615116	51524344	54726600	48867392	9
Aroclor-1260-5	(5)	111484150	113477796	119592622	125243744	126075940	119174850	6
Decachlorobiphenyl		984571270	1029317907	1118262220	1135932120	1152437600	1084104223	7
Tetrachloro-m-xylene		879784240	907640400	952717360	1058760600	981262000	956032920	7
Aroclor-1242-1	(1)	25489035	24475017	27848416	27117444	28407820	26667546	6
Aroclor-1242-2	(2)	35977820	35199769	38539928	39076044	37212540	37201220	4
Aroclor-1242-3	(3)	19863858	18273261	20997152	20082888	19211500	19685732	5
Aroclor-1242-4	(4)	18777771	17922656	19968364	21100536	20505160	19654897	7
Aroclor-1242-5	(5)	24360224	22407967	26366090	27368000	23855560	24871568	8
Decachlorobiphenyl		899284040	984619373	1017502000	1027377360	962336000	978223755	5
Tetrachloro-m-xylene		920809800	854904253	959106780	929536920	894966400	911864831	4
Aroclor-1248-1	(1)	19339318	20312839	22158310	22596092	21441940	21169700	6
Aroclor-1248-2	(2)	25841628	26874321	28982946	30984640	28578600	28252427	7
Aroclor-1248-3	(3)	26866525	28025000	30088164	32810700	30987640	29755606	8
Aroclor-1248-4	(4)	31739244	33065895	35285822	36808472	38827540	35145395	8
Aroclor-1248-5	(5)	32923317	34190145	36090288	38291344	39345240	36168067	7
Decachlorobiphenyl		999826530	1002616133	1003875200	1054961080	1165261200	1045308029	7
Tetrachloro-m-xylene		903111320	931293867	957405100	986258320	972075400	950028801	3
Aroclor-1254-1	(1)	50279933	51640439	55752488	60013056	55160920	54569367	7
Aroclor-1254-2	(2)	44271421	45567105	49578352	53549416	50761380	48745535	8
Aroclor-1254-3	(3)	70979950	72598121	78881282	84287020	72336540	75816583	7
Aroclor-1254-4	(4)	50771725	50149405	54249580	57298592	44830820	51460024	9
Aroclor-1254-5	(5)	64408865	66088107	72696700	75630908	59021560	67569228	10
Decachlorobiphenyl		963124600	1013018133	1145558760	1245512000	1148271200	1103096939	10
Tetrachloro-m-xylene		957176240	952284093	991535260	1081903280	978837400	992347255	5
Aroclor-1268-1	(1)	160284327	157759444	159569126	170516088	180615940	165748985	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	139528496	137224495	137304354	146542344	164608100	145041558	8
Aroclor-1268-3	(3)	118669811	115934707	120470364	129761704	127485360	122464389	5
Aroclor-1268-4	(4)	50956768	50155827	52914114	57814536	54084040	53185057	6
Aroclor-1268-5	(5)	345492428	353062379	344150492	366619864	366772500	355219533	3
Decachlorobiphenyl		1574839450	1670989493	1686779340	1791292760	1882315600	1721243329	7
Tetrachloro-m-xylene		969499550	855552893	995885280	1076293640	1034726400	986391553	8

Raw Data

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ENTA05

Lab Code: CHEM **Case No.:** Q1523 **SAS No.:** Q1523 **SDG NO.:** Q1523

Instrument ID: ECD_P **Date(s) Analyzed:** 02/24/2025 02/24/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.73	4.63	4.83	18915900
		2	4.81	4.71	4.91	14591600
		3	4.89	4.79	4.99	43158200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.89	4.79	4.99	32884000
		2	5.42	5.32	5.52	16260200
		3	5.70	5.60	5.80	34867200
		4	5.86	5.76	5.96	17799400
		5	5.95	5.85	6.05	12607200
Aroclor-1262	500	1	8.11	8.01	8.21	80729000
		2	8.43	8.33	8.53	161087000
		3	8.75	8.65	8.85	110612000
		4	8.84	8.74	8.94	83914000
		5	9.49	9.39	9.59	58804600

Raw Data

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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ENTA05

Lab Code: CHEM **Case No.:** Q1523 **SAS No.:** Q1523 **SDG NO.:** Q1523

Instrument ID: ECD_P **Date(s) Analyzed:** 02/24/2025 02/24/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.04	3.94	4.14	13421200
		2	4.13	4.03	4.23	10166200
		3	4.21	4.11	4.31	30359600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.21	4.11	4.31	22742000
		2	4.94	4.84	5.04	22833200
		3	5.12	5.02	5.22	12024000
		4	5.20	5.10	5.30	10865300
		5	5.37	5.27	5.47	11305400
Aroclor-1262	500	1	6.97	6.87	7.07	83475400
		2	7.23	7.13	7.33	66291000
		3	7.75	7.65	7.85	60580400
		4	7.81	7.71	7.91	105474000
		5	8.32	8.22	8.42	51930200

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP069996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 14:59
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:02:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.523	3.829	143.4E6	87978424	93.498	92.345
2) SA	Decachlor...	10.252	8.887	107.2E6	98457127	91.951	88.045
	Target Compounds						
3) L1	AR-1016-1	5.675	4.919	45557625	29885830	911.727	889.806
4) L1	AR-1016-2	5.697	4.938	66706952	42247324	913.905	899.183
5) L1	AR-1016-3	5.760	5.115	40794671	23325129	903.597	903.506
6) L1	AR-1016-4	5.857	5.157	33978080	18421261	904.646	894.872
7) L1	AR-1016-5	6.150	5.373	31514906	23822938	925.058	897.745
31) L7	AR-1260-1	7.270	6.411	54823994	44977992	923.136	907.723
32) L7	AR-1260-2	7.524	6.598	73383444	59688698	909.192	922.249
33) L7	AR-1260-3	7.882	6.752	59489338	52251359	929.348	912.512
34) L7	AR-1260-4	8.107	7.225	58704582	44361395	929.733	912.502
35) L7	AR-1260-5	8.427	7.466	124.8E6	111.5E6	925.520	932.199

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

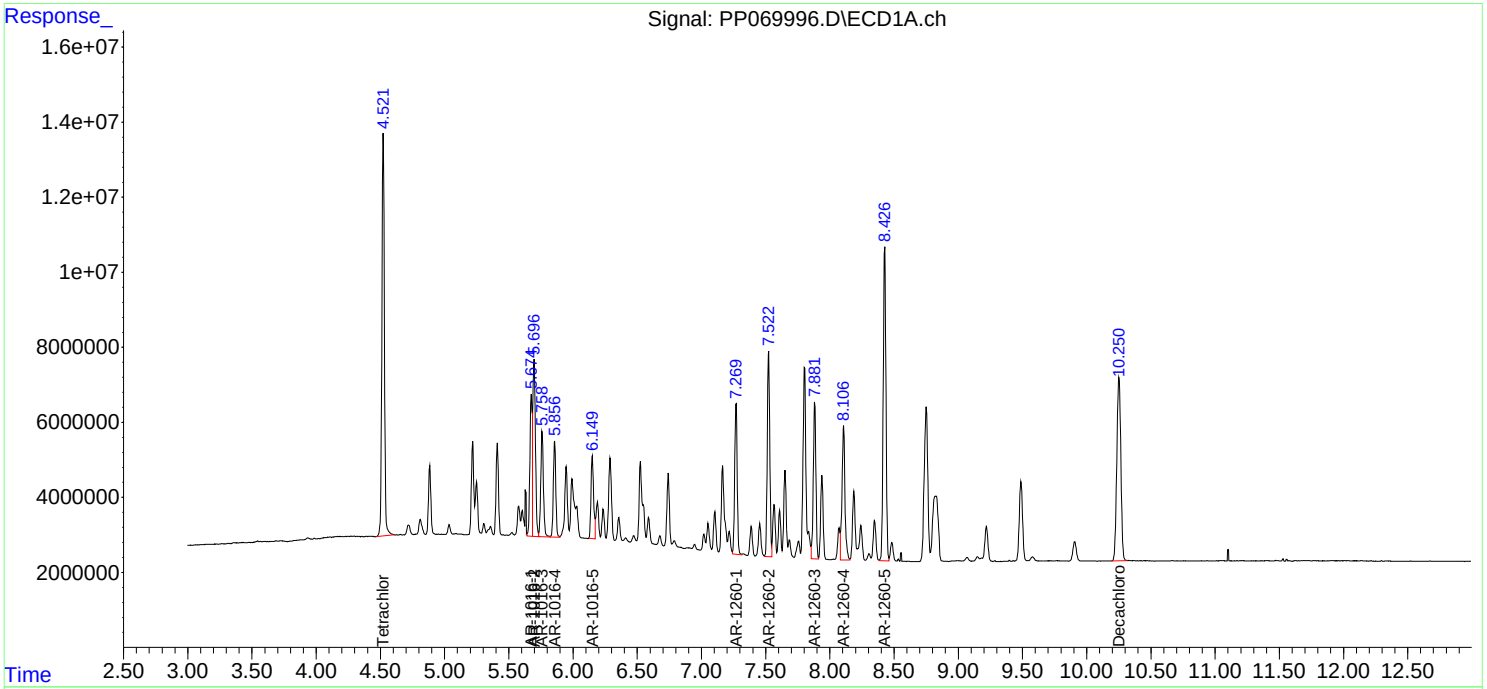
ICAL Form

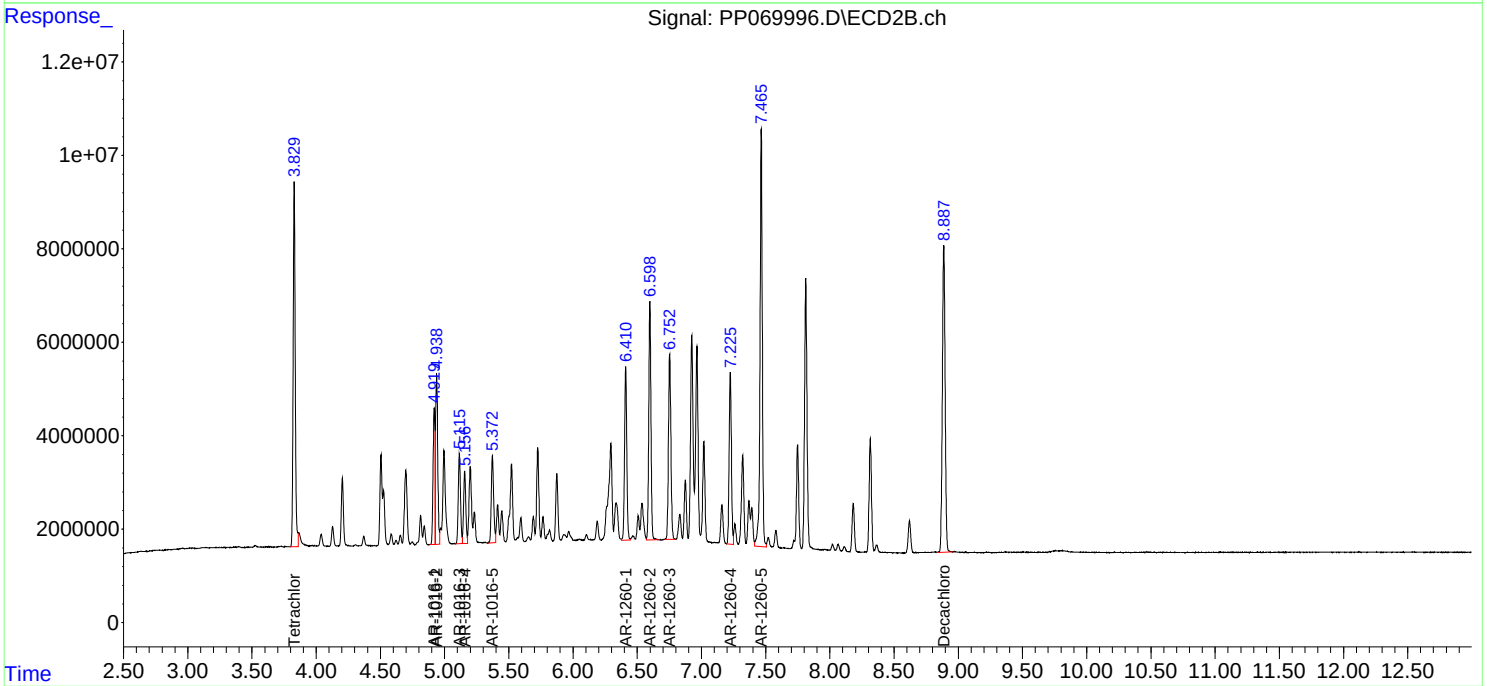
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP069996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 14:59
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:02:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP069997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 15:15
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:03:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.527	3.829	107.7E6	68073030	70.228	71.451
2)	SA Decachlor...	10.255	8.888	85472191	77198843	73.332	69.035
	Target Compounds						
3)	L1 AR-1016-1	5.680	4.919	35891634	22643417	718.285	674.174
4)	L1 AR-1016-2	5.702	4.938	50835759	31777607	696.465	676.348
5)	L1 AR-1016-3	5.764	5.116	33434398	17000233	740.568	658.509
6)	L1 AR-1016-4	5.861	5.158	26282542	13493618	699.757	655.496
7)	L1 AR-1016-5	6.154	5.373	23760131	17271363	697.432	650.855
31)	L7 AR-1260-1	7.274	6.411	41614901	33878420	700.719	683.717
32)	L7 AR-1260-2	7.528	6.599	56990979	44944921	706.096	694.443
33)	L7 AR-1260-3	7.886	6.752	45420015	38596084	709.556	674.038
34)	L7 AR-1260-4	8.111	7.225	44697367	33832130	707.894	695.918
35)	L7 AR-1260-5	8.431	7.466	96134121	85108347	713.133	711.652

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

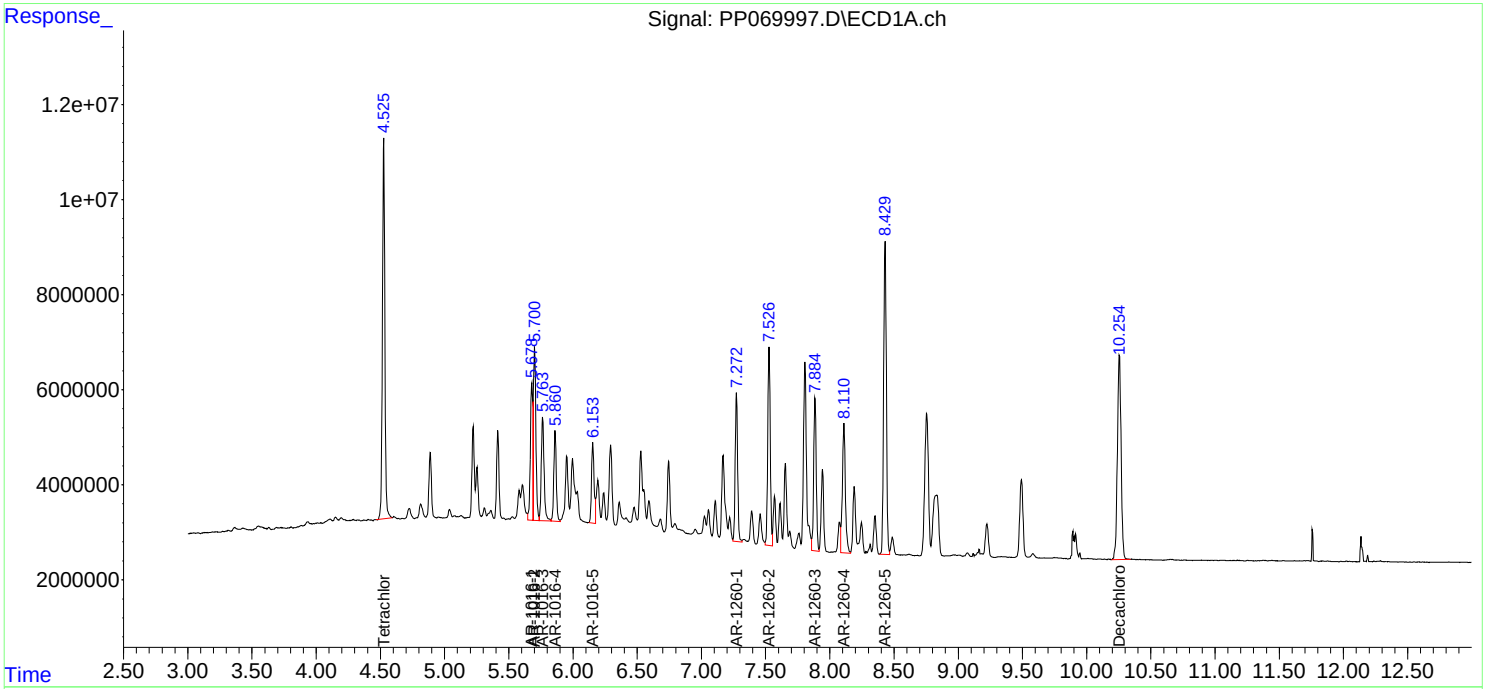
ICAL Form

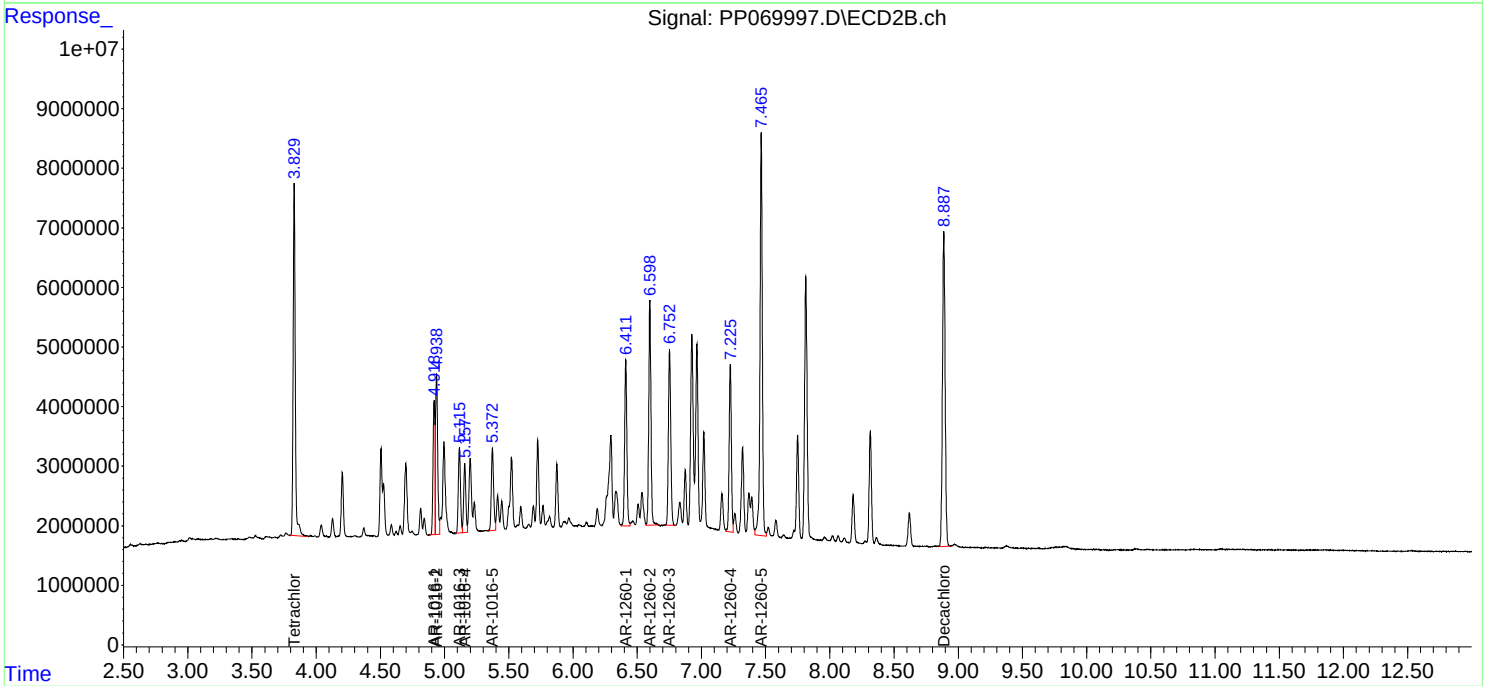
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP069997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 15:15
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:03:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP069998.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 15:32
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:03:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.527	3.830	76671222	47635868	50.000	50.000
2)	SA Decachlor...	10.256	8.888	58277783	55913111	50.000	50.000
	Target Compounds						
3)	L1 AR-1016-1	5.681	4.920	24984258	16793459	500.000	500.000
4)	L1 AR-1016-2	5.702	4.939	36495577	23492069	500.000	500.000
5)	L1 AR-1016-3	5.765	5.117	22573479	12908121	500.000	500.000
6)	L1 AR-1016-4	5.862	5.158	18779766	10292680	500.000	500.000
7)	L1 AR-1016-5	6.156	5.373	17034021	13268203	500.000	500.000
31)	L7 AR-1260-1	7.275	6.412	29694423	24775170	500.000	500.000
32)	L7 AR-1260-2	7.529	6.600	40356400	32360396	500.000	500.000
33)	L7 AR-1260-3	7.888	6.754	32005959	28630502	500.000	500.000
34)	L7 AR-1260-4	8.112	7.226	31570680	24307558	500.000	500.000
35)	L7 AR-1260-5	8.433	7.467	67402630	59796311	500.000	500.000

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

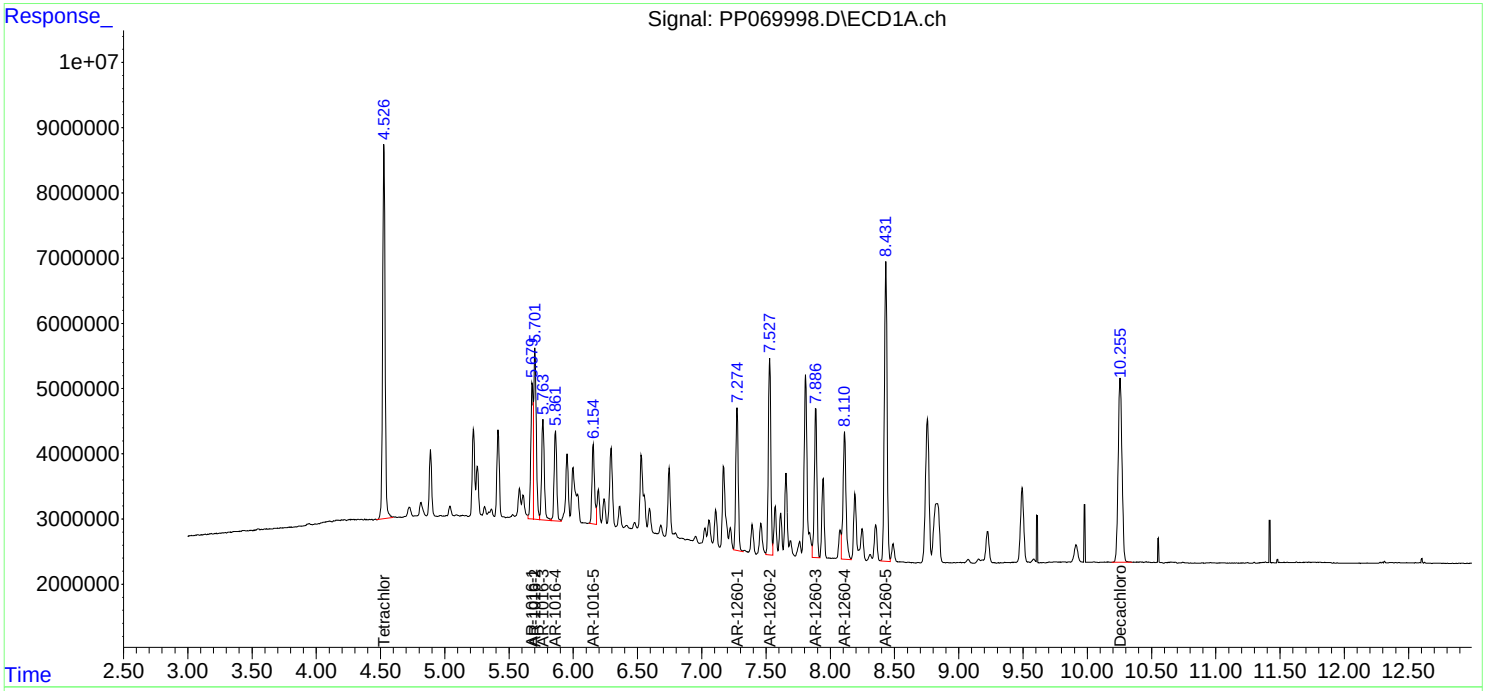
ICAL Form

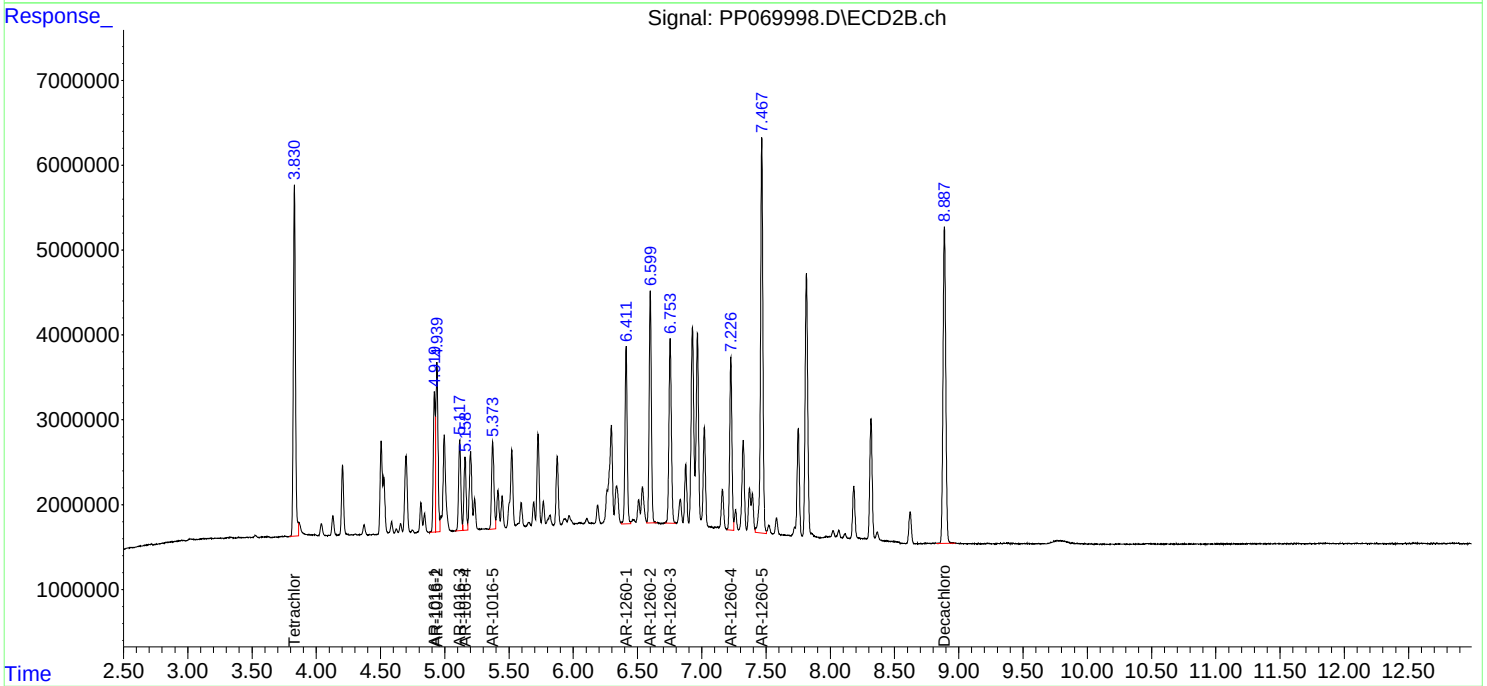
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP069998.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 15:32
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:03:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP069999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 15:48
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:03:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound		RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds							
1)	SA	Tetrachlo...	4.524	3.830	39773305	26469015	25.938	27.783
2)	SA	Decachlor...	10.253	8.889	30693088	28398303	26.333	25.395
	Target Compounds							
3)	L1	AR-1016-1	5.677	4.921	13700052	9046559	274.174	269.348
4)	L1	AR-1016-2	5.699	4.940	19160193	12627669	262.500	268.765
5)	L1	AR-1016-3	5.761	5.117	11961048	6939375	264.936	268.799
6)	L1	AR-1016-4	5.858	5.159	9917150	5538031	264.038	269.028
7)	L1	AR-1016-5	6.152	5.374	8841181	7154213	259.515	269.600
31)	L7	AR-1260-1	7.271	6.412	15673826	14194992	263.919	286.476
32)	L7	AR-1260-2	7.525	6.600	21490279	17910054	266.256	276.728
33)	L7	AR-1260-3	7.883	6.754	16948148	15747036	264.766	275.005
34)	L7	AR-1260-4	8.108	7.226	16800378	12881086	266.076	264.961
35)	L7	AR-1260-5	8.429	7.467	35148103	31310936	260.732	261.813

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

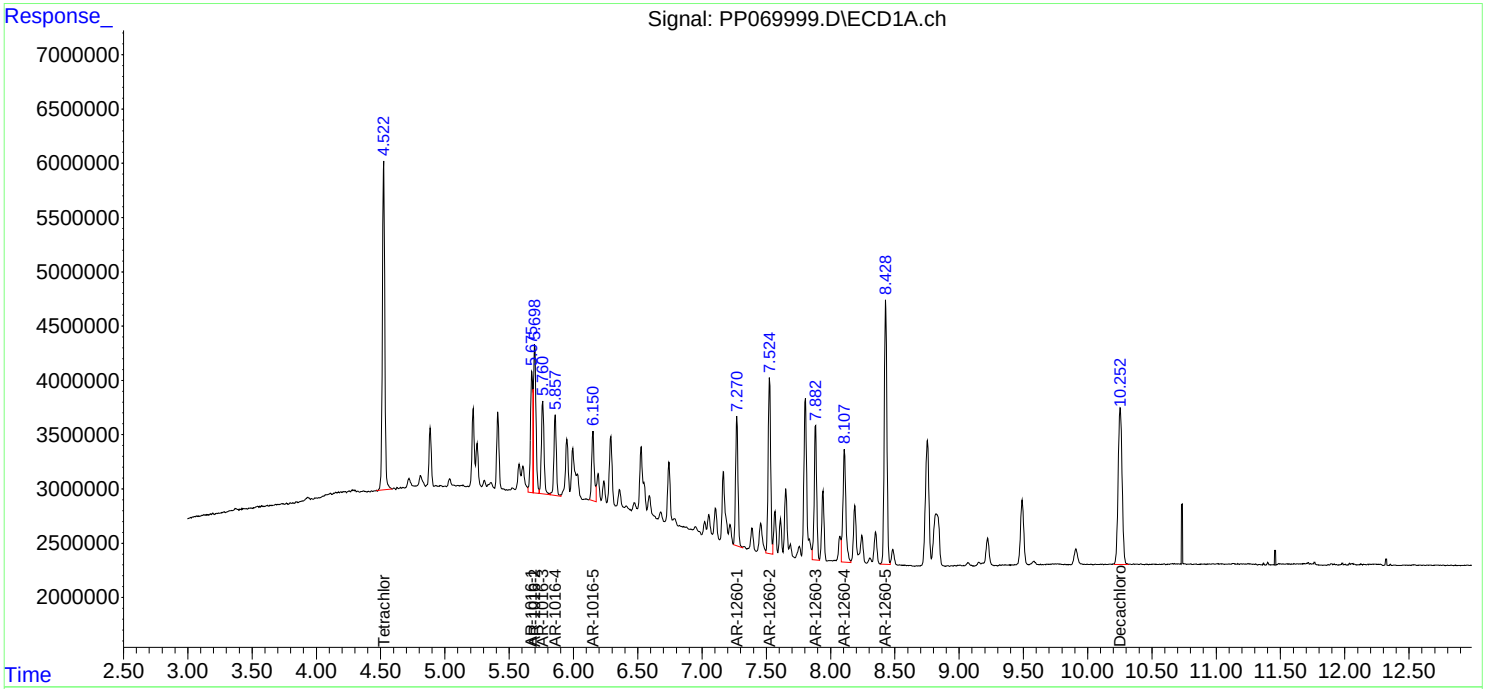
ICAL Form

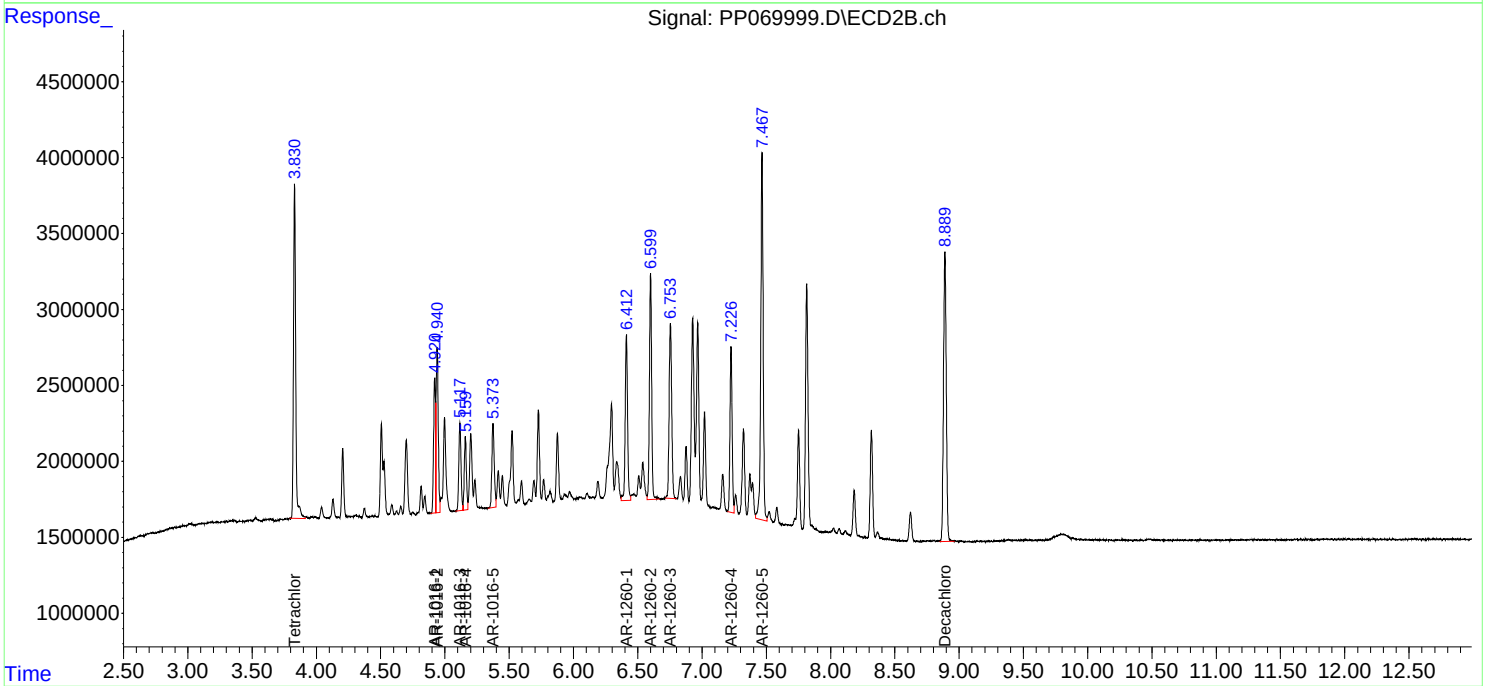
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP069999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 15:48
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:03:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 16:04
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:04:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.527	3.829	6720872	4906310	4.383	5.150
2)	SA Decachlor...	10.255	8.888	5452577	5762188	4.678	5.153
	Target Compounds						
3)	L1 AR-1016-1	5.679	4.919	2547449	1857134	50.981m	55.293m
4)	L1 AR-1016-2	5.701	4.939	3488496	2542948	47.793m	54.124
5)	L1 AR-1016-3	5.763	5.116	2062359	1279811	45.681m	49.574m
6)	L1 AR-1016-4	5.862	5.157	1752861	1060159	46.669m	51.501
7)	L1 AR-1016-5	6.154	5.373	1753245	1386402	51.463m	52.245
31)	L7 AR-1260-1	7.275	6.411	2970263	2560840	50.014	51.682m
32)	L7 AR-1260-2	7.529	6.598	4629053	3556212	57.352	54.947m
33)	L7 AR-1260-3	7.887	6.752	3097573	3882421	48.391	67.802m#
34)	L7 AR-1260-4	8.112	7.225	3418051	2736330	54.133	56.286
35)	L7 AR-1260-5	8.432	7.466	6379085	6303797	47.321	52.711

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 16:04
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

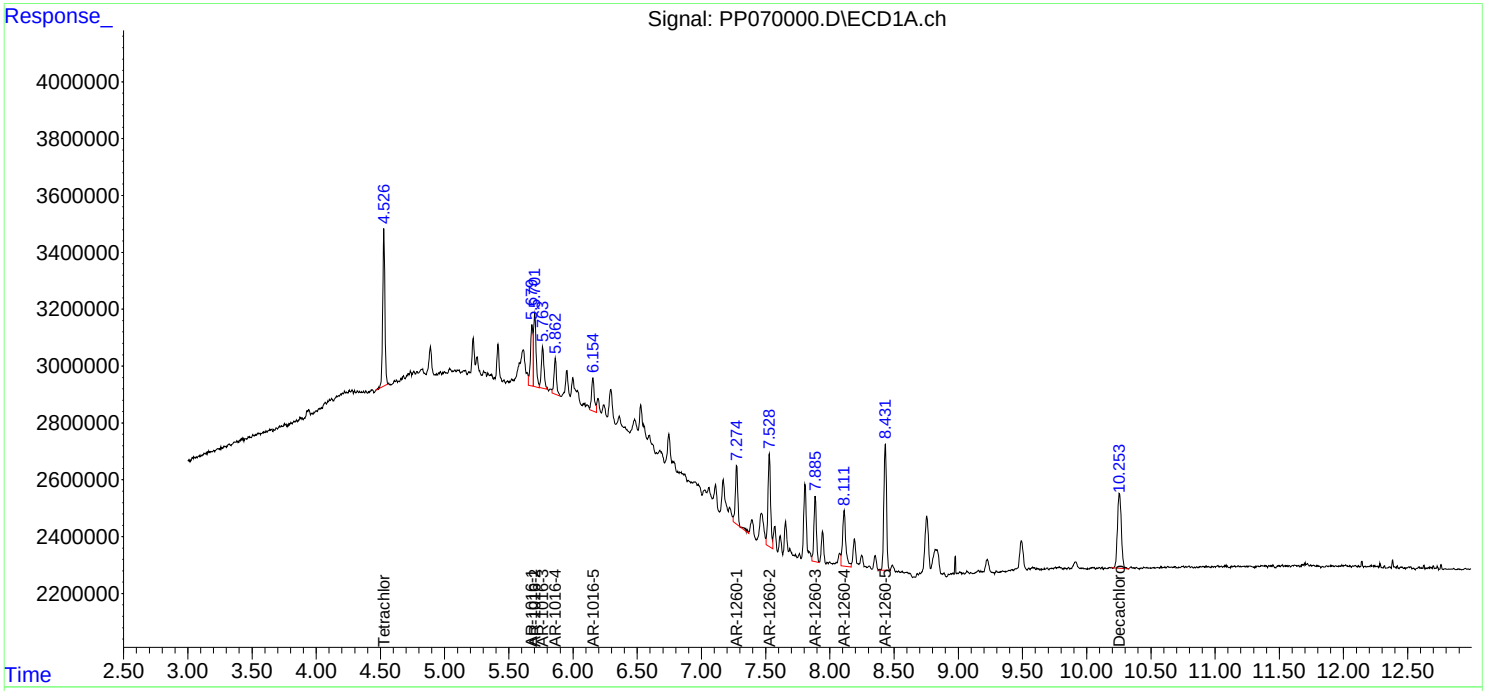
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

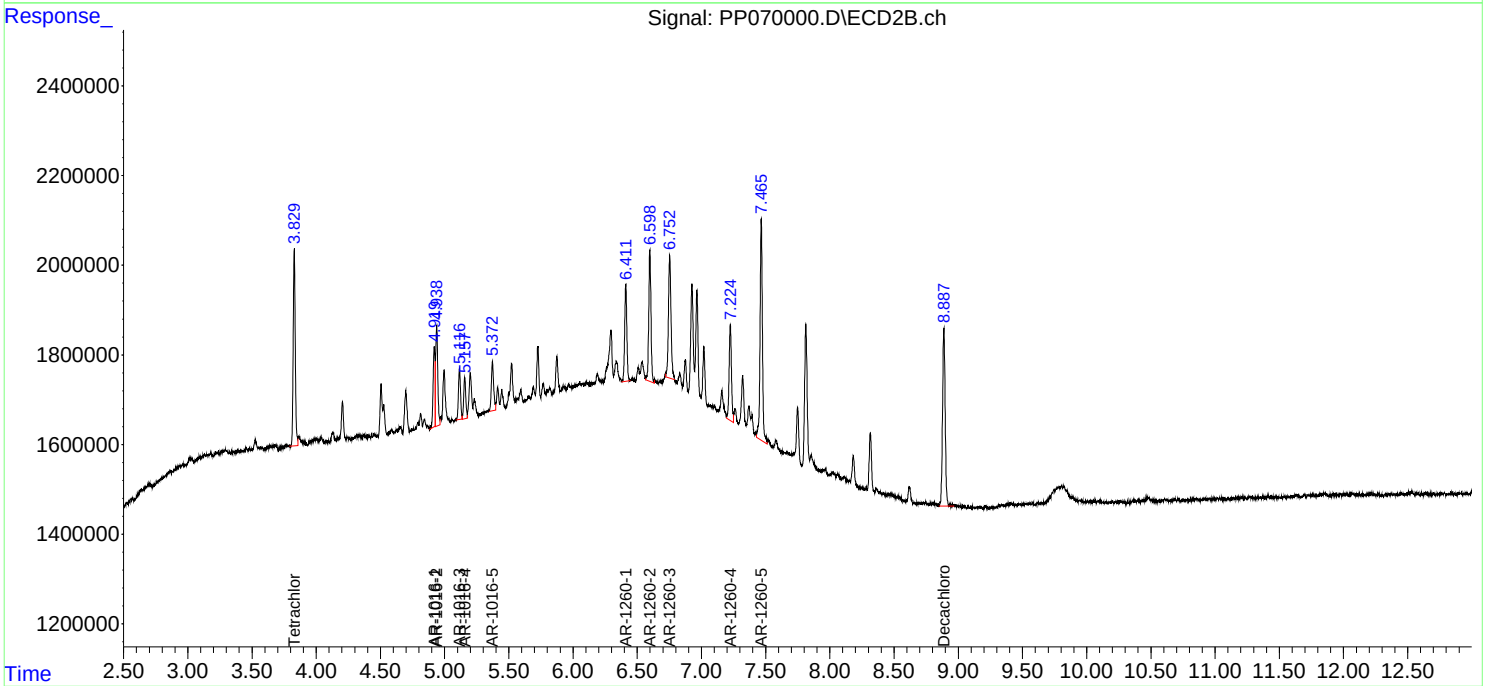
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:04:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 16:20
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:16:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:15:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.830	81453238	49492221	50.000	50.000
2)	SA Decachlor...	10.252	8.888	58909122	52524520	49.997m	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.725	4.042	9457952	6710580	500.000	500.000
9)	L2 AR-1221-2	4.811	4.128	7295806	5083087	500.000	500.000
10)	L2 AR-1221-3	4.887	4.205	21579125	15179779	500.000	500.000

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 16:20
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

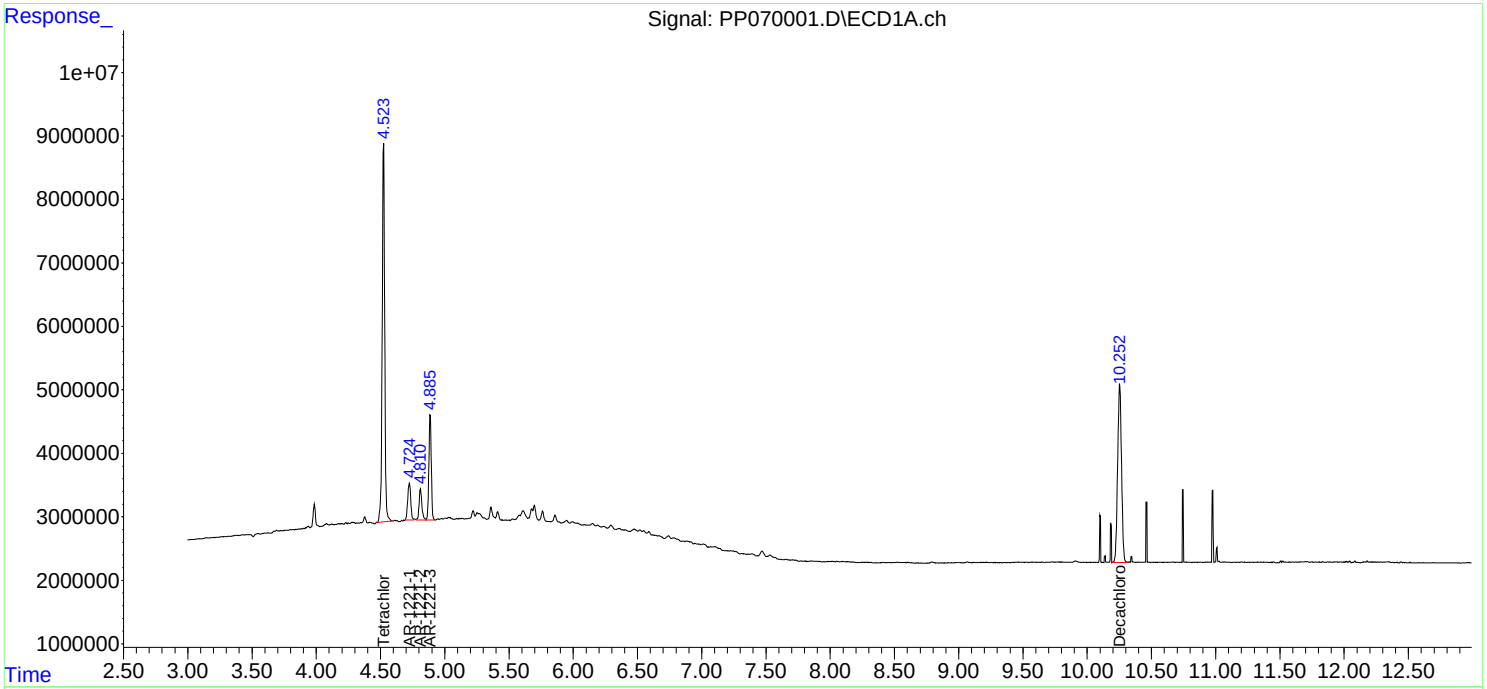
Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

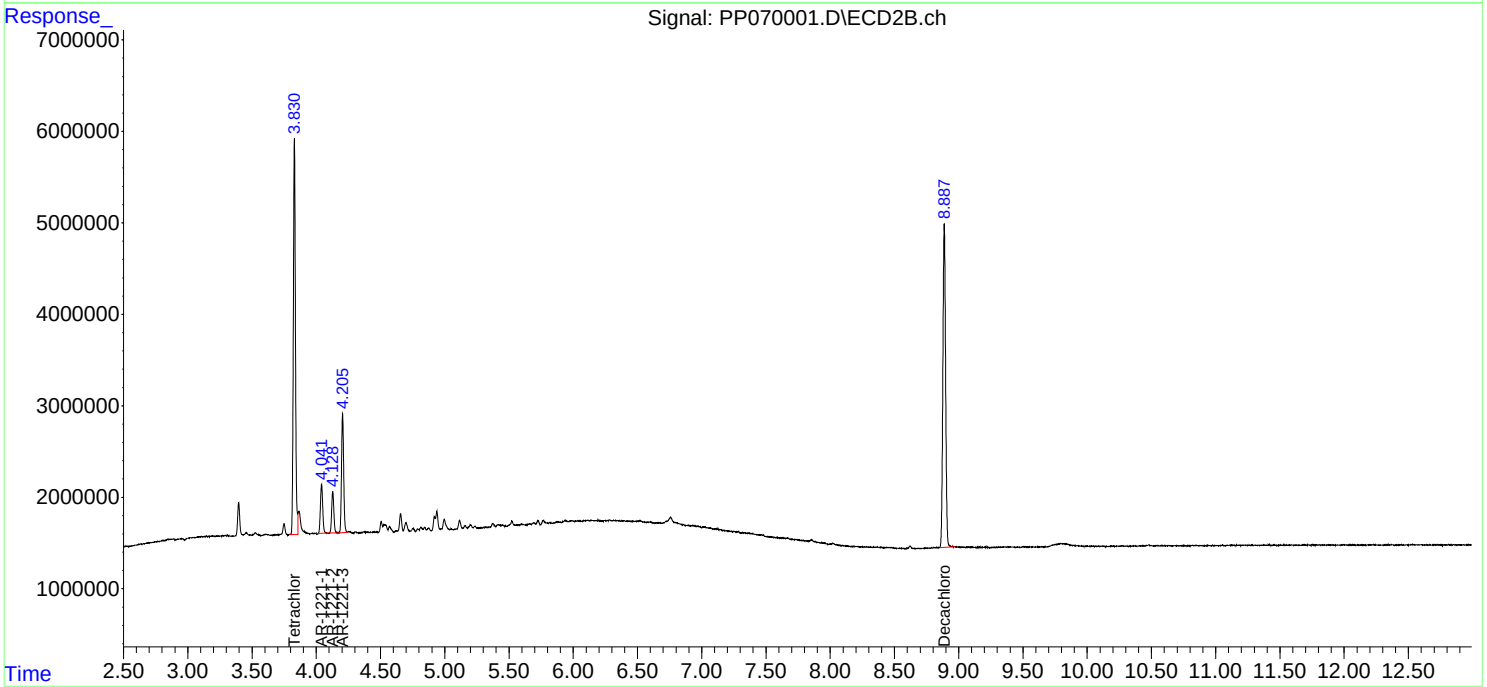
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:16:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:15:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 16:37
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:18:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:18:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.528	3.831	74595967	45088285	50.000	50.000
2)	SA Decachlor...	10.257	8.889	55583669	48961388	50.000	50.000
	Target Compounds						
11)	L3 AR-1232-1	4.890	4.205	16441958	11371033	500.000	500.000
12)	L3 AR-1232-2	5.416	4.940	8130106	11416637	500.000	500.000
13)	L3 AR-1232-3	5.703	5.117	17433579	6011988	500.000	500.000
14)	L3 AR-1232-4	5.863	5.202	8899724	5432664	500.000	500.000
15)	L3 AR-1232-5	5.953	5.374	6303594	5652705	500.000	500.000

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

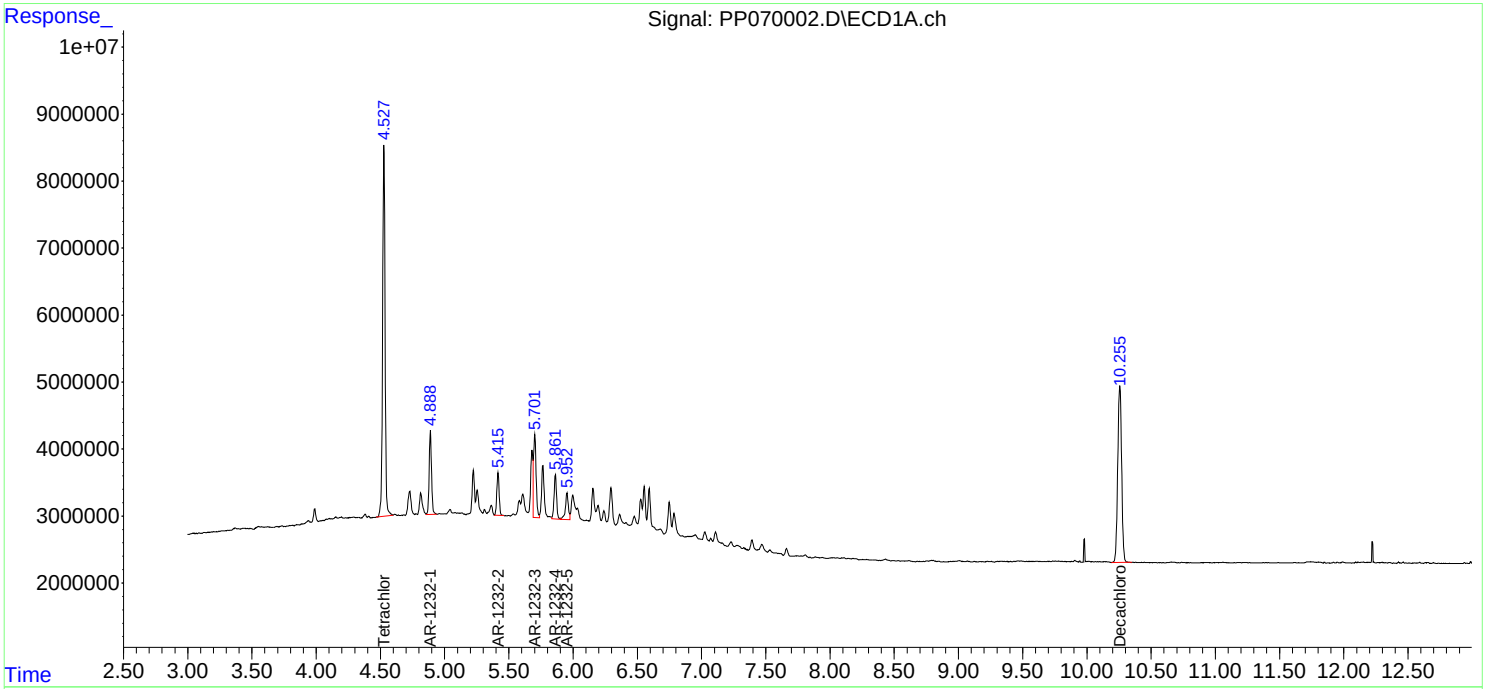
ICAL Form

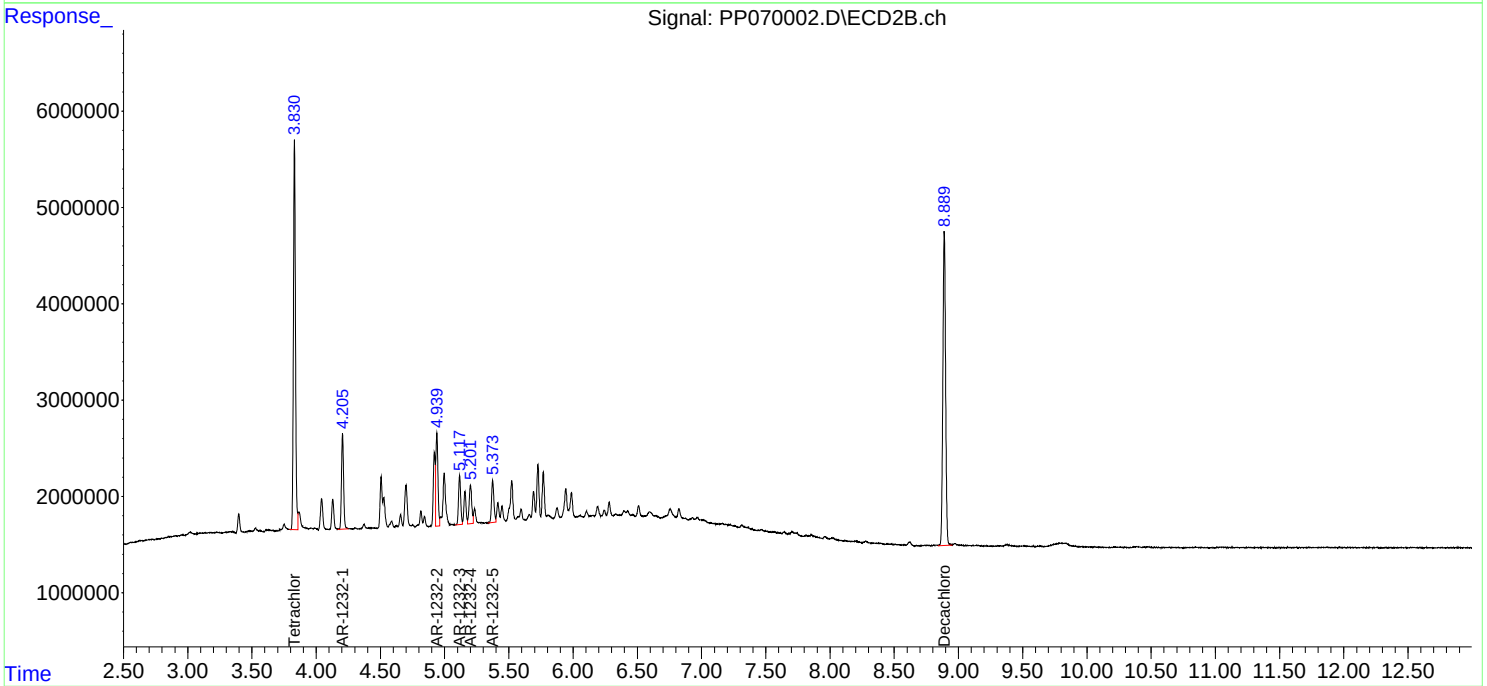
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 16:37
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:18:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:18:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 16:53
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:23:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.526	3.830	139.2E6	92080980	94.864	96.007
2)	SA Decachlor...	10.257	8.889	102.1E6	89928404	92.852	88.382
	Target Compounds						
16)	L4 AR-1242-1	5.679	4.920	38359202	25489035	922.836	915.278
17)	L4 AR-1242-2	5.701	4.939	56757612	35977820	940.806	933.521
18)	L4 AR-1242-3	5.764	5.116	34692482	19863858	900.441	946.026
19)	L4 AR-1242-4	5.861	5.201	28738709	18777771	897.577	940.376
20)	L4 AR-1242-5	6.592	5.726	32588629	24360224	919.810	923.923

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

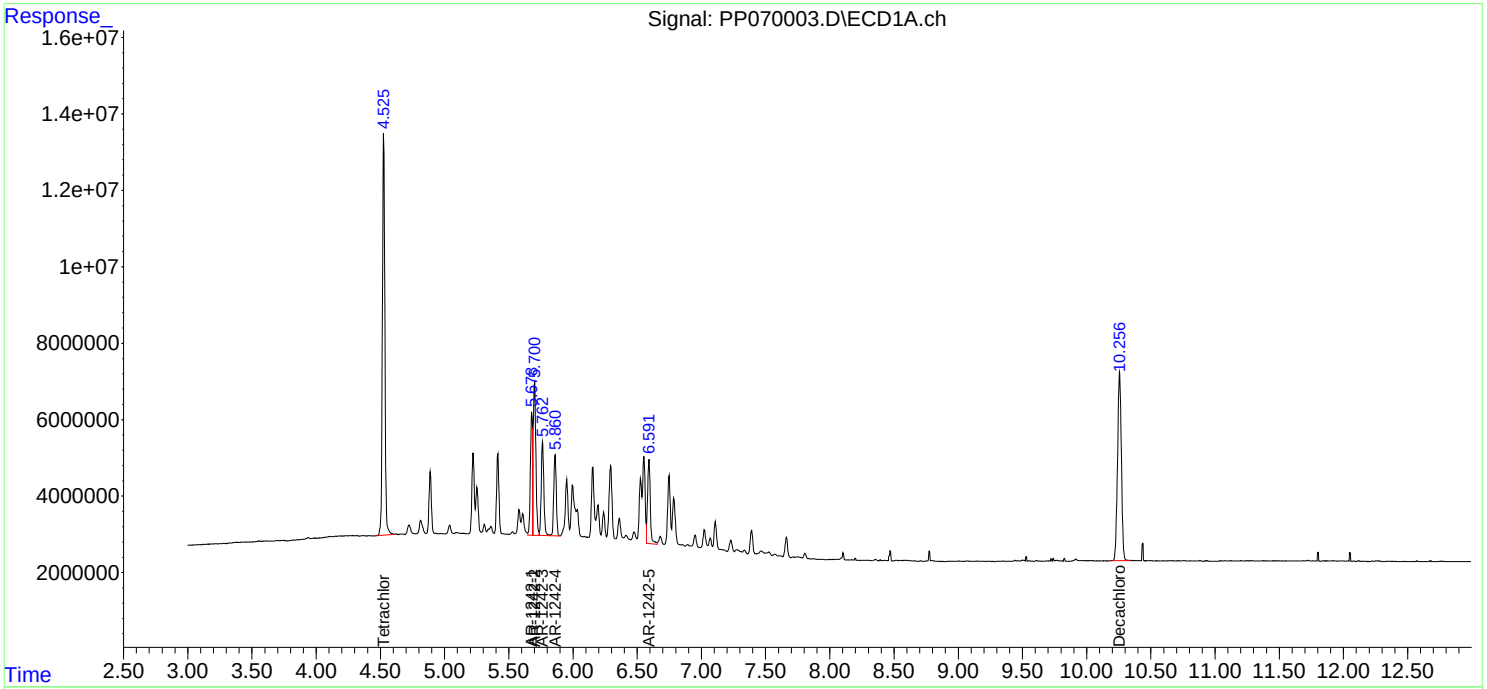
ICAL Form

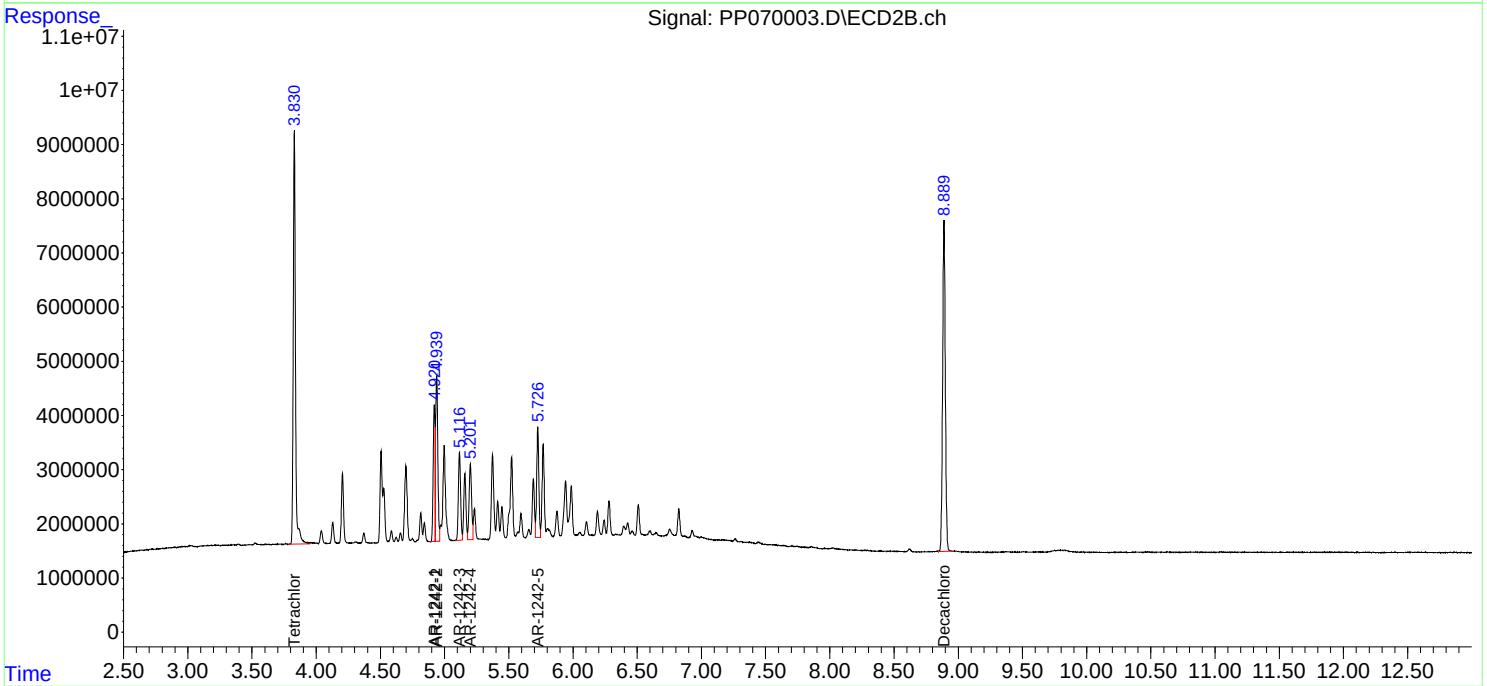
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 16:53
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:23:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 17:09
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:24:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.829	101.3E6	64117819	69.002	66.852
2)	SA Decachlor...	10.252	8.887	78714017	73846453	71.581	72.576
	Target Compounds						
16)	L4 AR-1242-1	5.676	4.919	30574617	18356263	735.556	659.149
17)	L4 AR-1242-2	5.698	4.938	41750215	26399827	692.045	684.999
18)	L4 AR-1242-3	5.761	5.115	27589494	13704946	716.084	652.705
19)	L4 AR-1242-4	5.858	5.200	21218872	13441992	662.715	673.164
20)	L4 AR-1242-5	6.587	5.725	24589114	16805975	694.025m	637.409

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 17:09
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

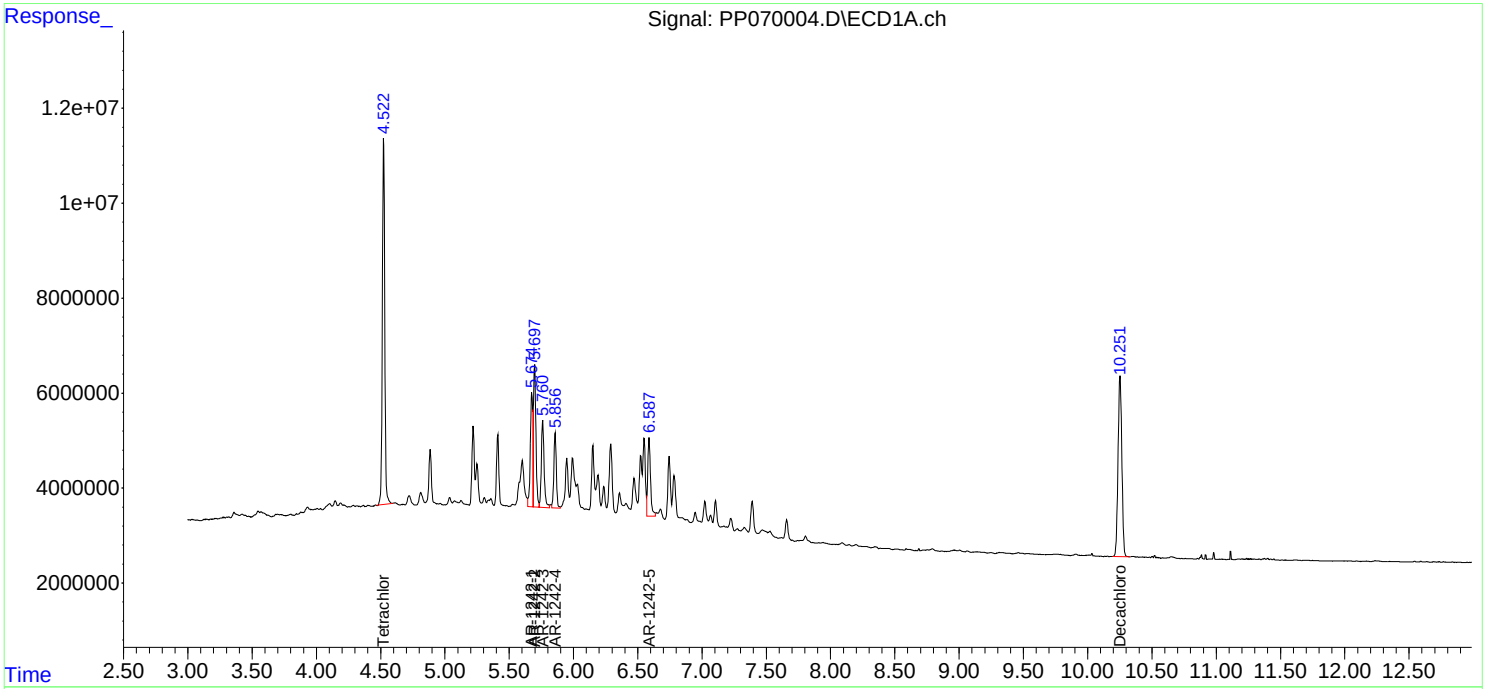
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

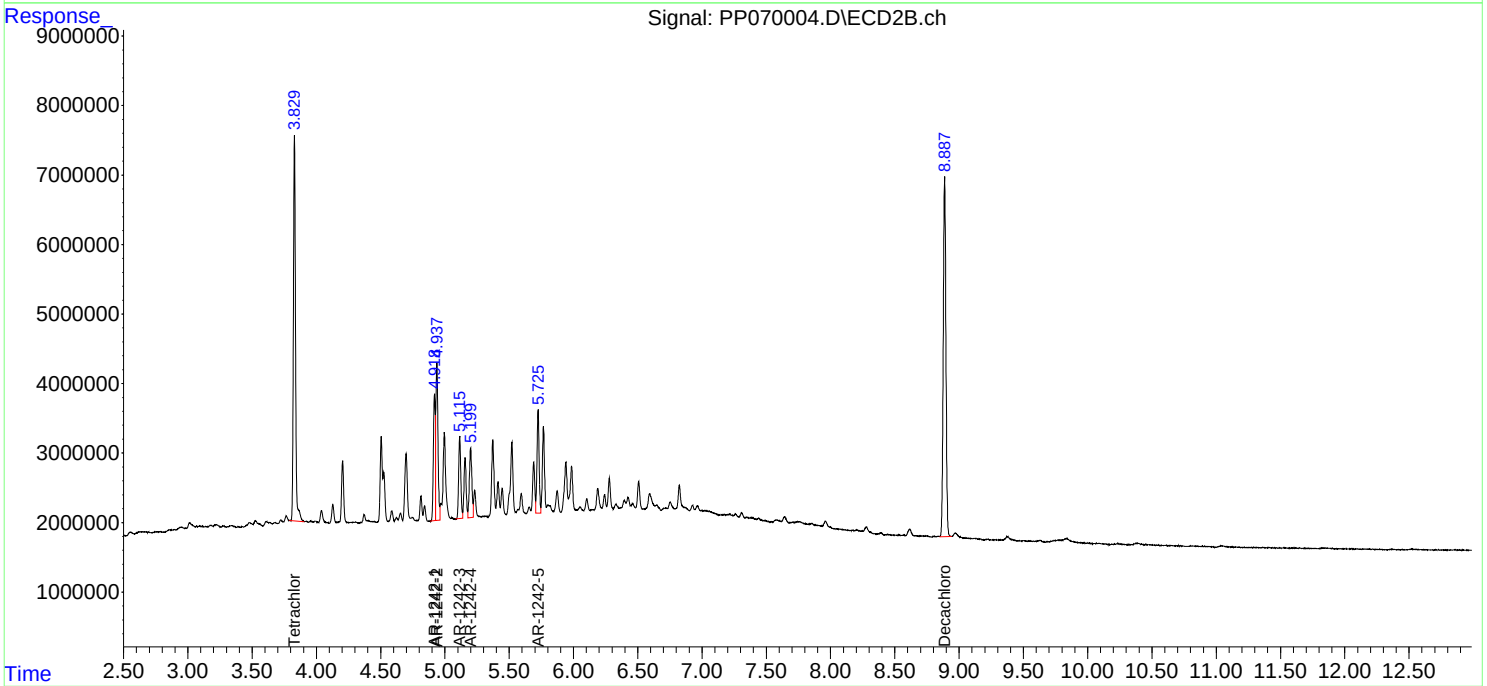
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:24:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 17:25
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:24:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.528	3.831	73371073	47955339	50.000	50.000
2)	SA Decachlor...	10.257	8.889	54982444	50875100	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	5.681	4.921	20783334	13924208	500.000	500.000
17)	L4 AR-1242-2	5.702	4.940	30164357	19269964	500.000	500.000
18)	L4 AR-1242-3	5.765	5.117	19264155	10498576	500.000	500.000
19)	L4 AR-1242-4	5.862	5.202	16009056	9984182	500.000	500.000
20)	L4 AR-1242-5	6.593	5.727	17714873	13183045	500.000	500.000

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

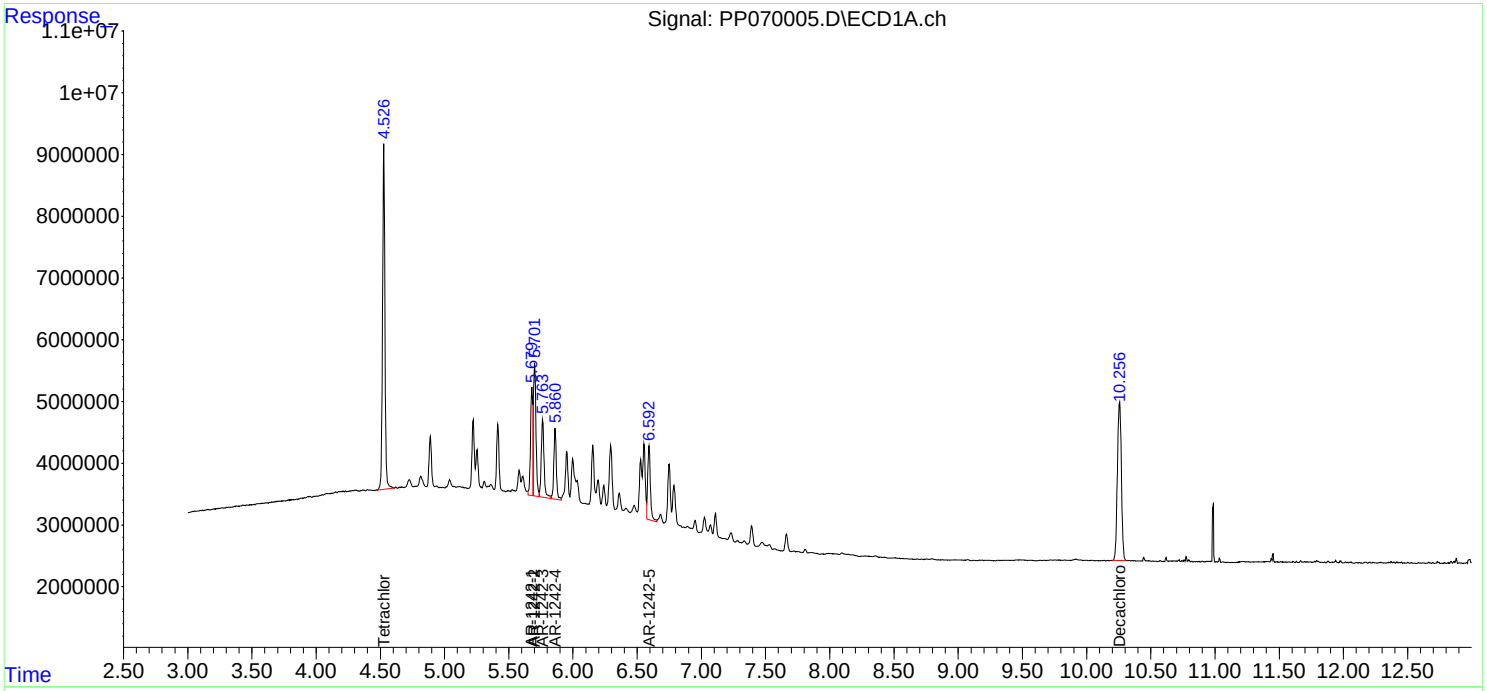
ICAL Form

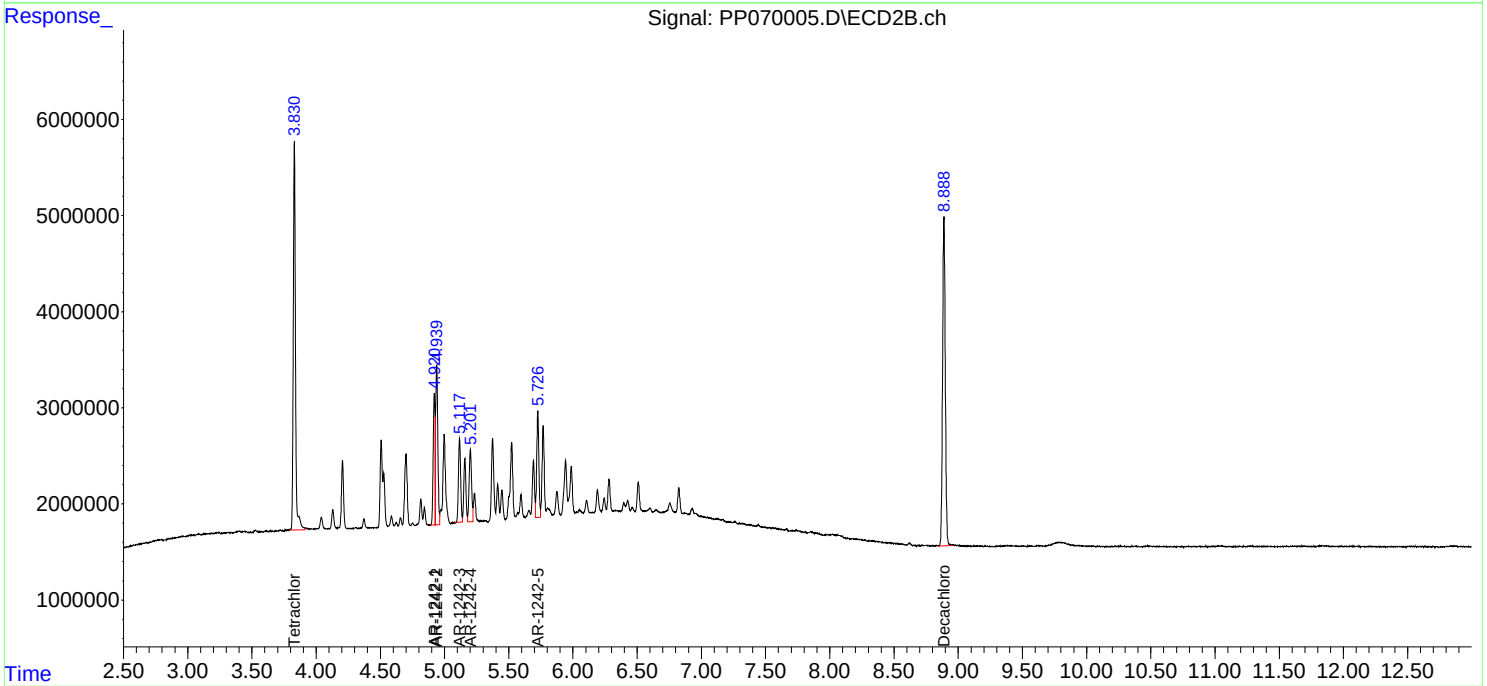
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 17:25
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:24:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 17:42
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:24:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.829	36420158	23238423	24.819	24.229
2)	SA Decachlor...	10.254	8.888	28130617	25684434	25.581	25.243
	Target Compounds						
16)	L4 AR-1242-1	5.678	4.919	11990791	6779361	288.471	243.438
17)	L4 AR-1242-2	5.700	4.938	15666233	9769011	259.681	253.478
18)	L4 AR-1242-3	5.762	5.116	11634928	5020722	301.984	239.114
19)	L4 AR-1242-4	5.859	5.200	8093244	5275134	252.771	264.175
20)	L4 AR-1242-5	6.589	5.726	9813802	6842000	276.993m	259.500

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 17:42
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

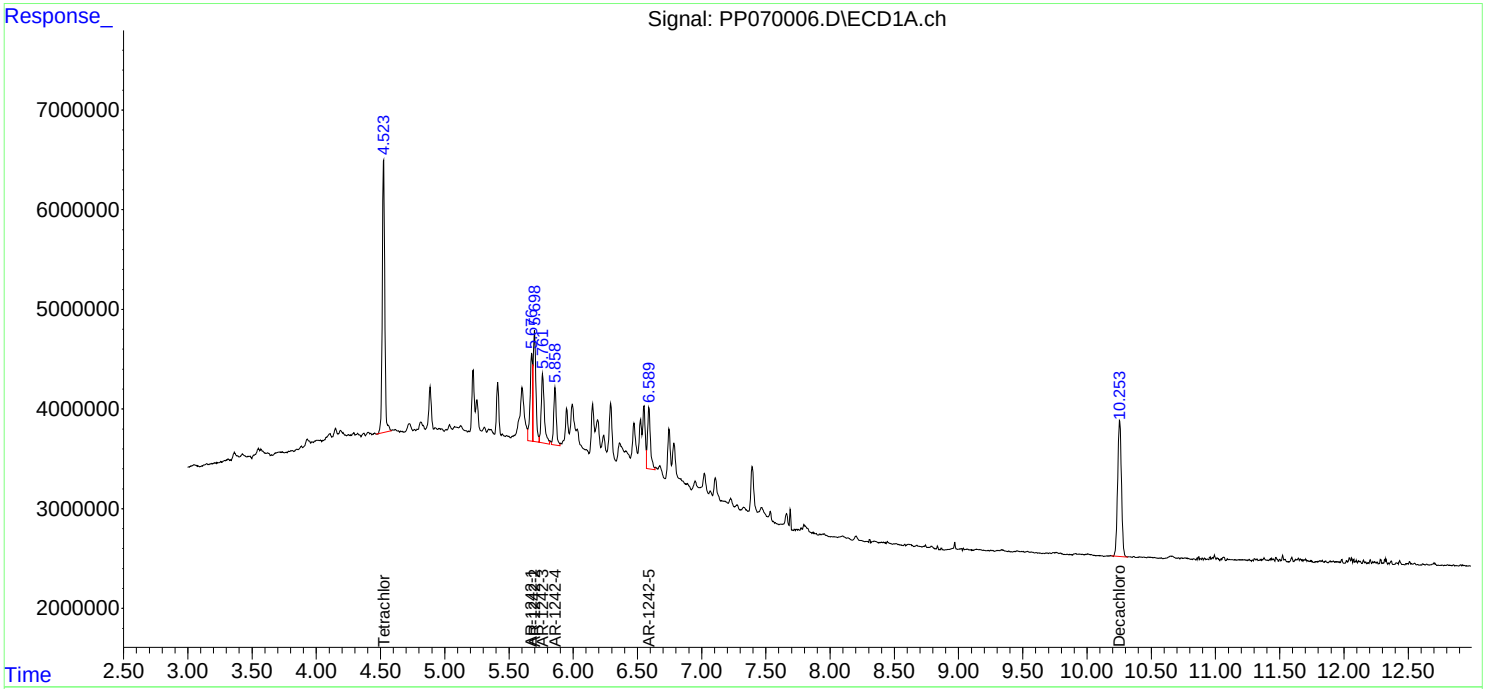
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

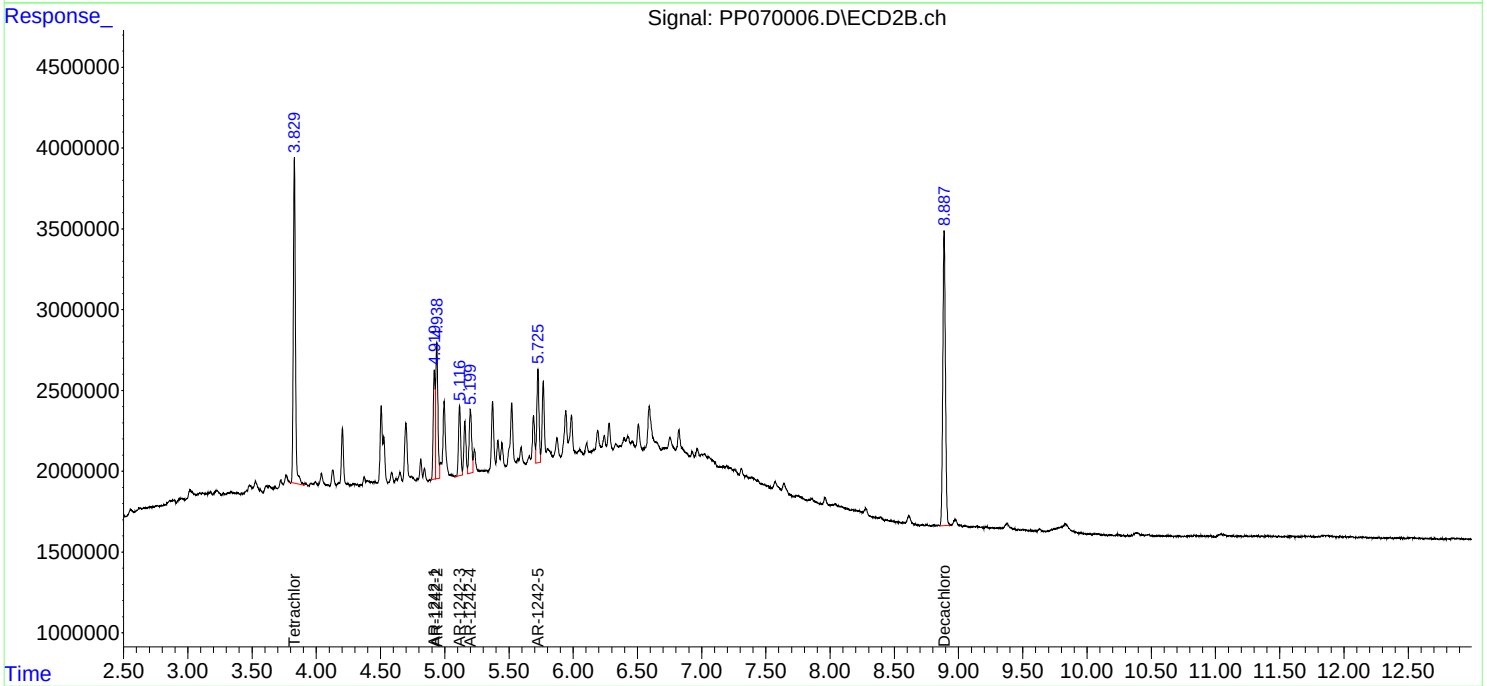
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:24:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 17:58
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:25:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.527	3.830	6212998	4474832	4.234	4.666
2)	SA Decachlor...	10.256	8.887	4895884	4811680	4.452	4.729
	Target Compounds						
16)	L4 AR-1242-1	5.677	4.920	2181038	1420391	52.471m	51.004
17)	L4 AR-1242-2	5.699	4.939	2614722	1860627	43.341m	48.278
18)	L4 AR-1242-3	5.763	5.117	1654007	960575	42.930m	45.748
19)	L4 AR-1242-4	5.859	5.201	1382614	1025258	43.182m	51.344
20)	L4 AR-1242-5	6.591	5.726	1805860	1192778	50.970m	45.239

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 17:58
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

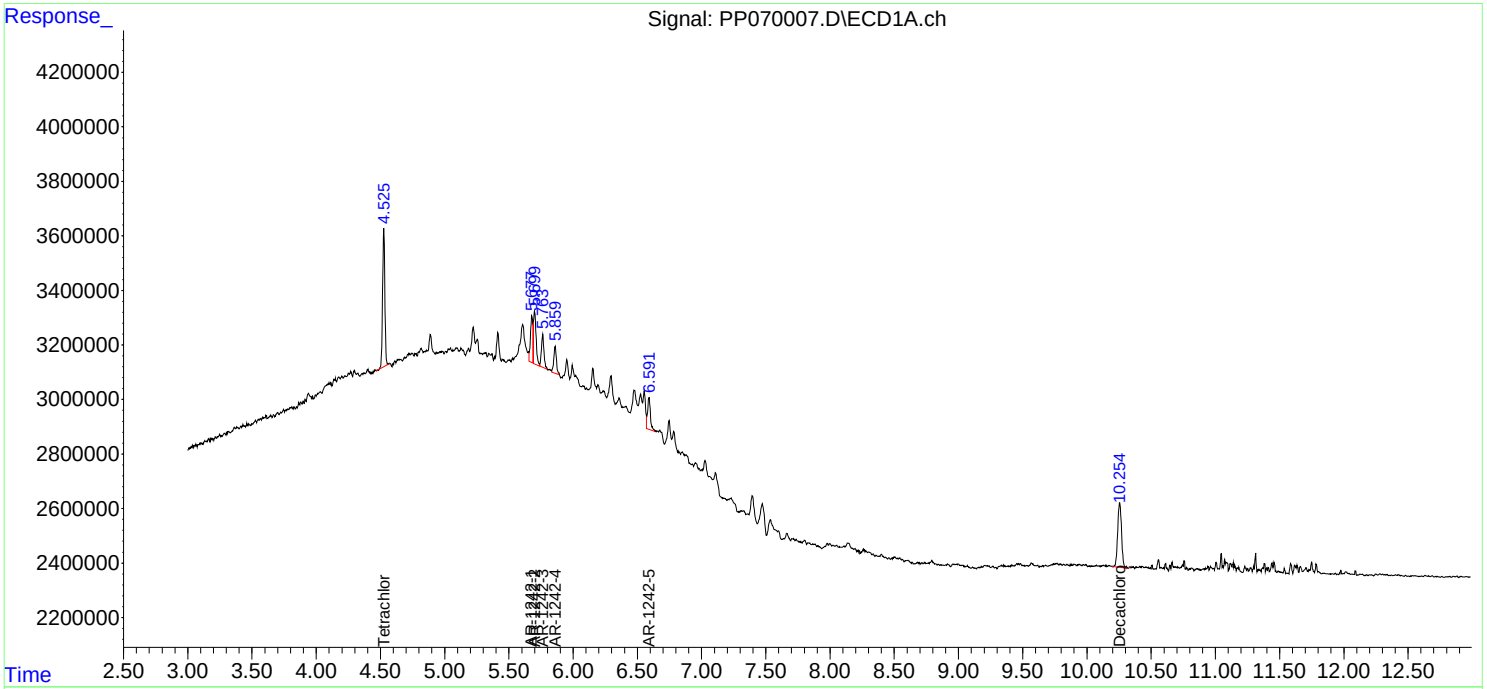
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

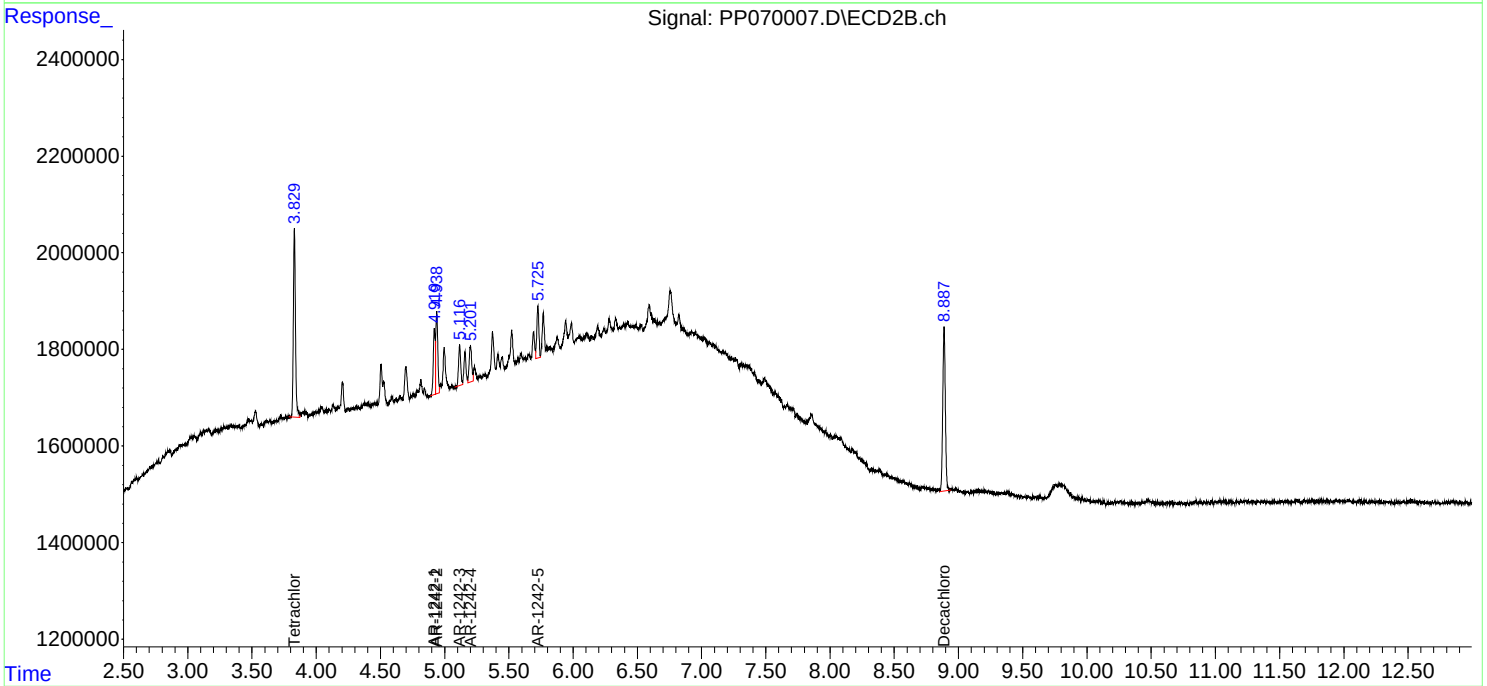
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:25:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 18:14
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:36:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:36:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.527	3.830	139.3E6	90311132	94.016	94.329
2)	SA Decachlor...	10.255	8.888	104.5E6	99982653	93.281	99.597
	Target Compounds						
21)	L5 AR-1248-1	5.680	4.920	29585124	19339318	908.660	872.779
22)	L5 AR-1248-2	5.952	5.159	39473771	25841628	920.901	891.615
23)	L5 AR-1248-3	6.154	5.201	43926772	26866525	935.645	892.927
24)	L5 AR-1248-4	6.553	5.374	53918087	31739244	919.468	899.490
25)	L5 AR-1248-5	6.592	5.768	51833391	32923317	911.039	912.249

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

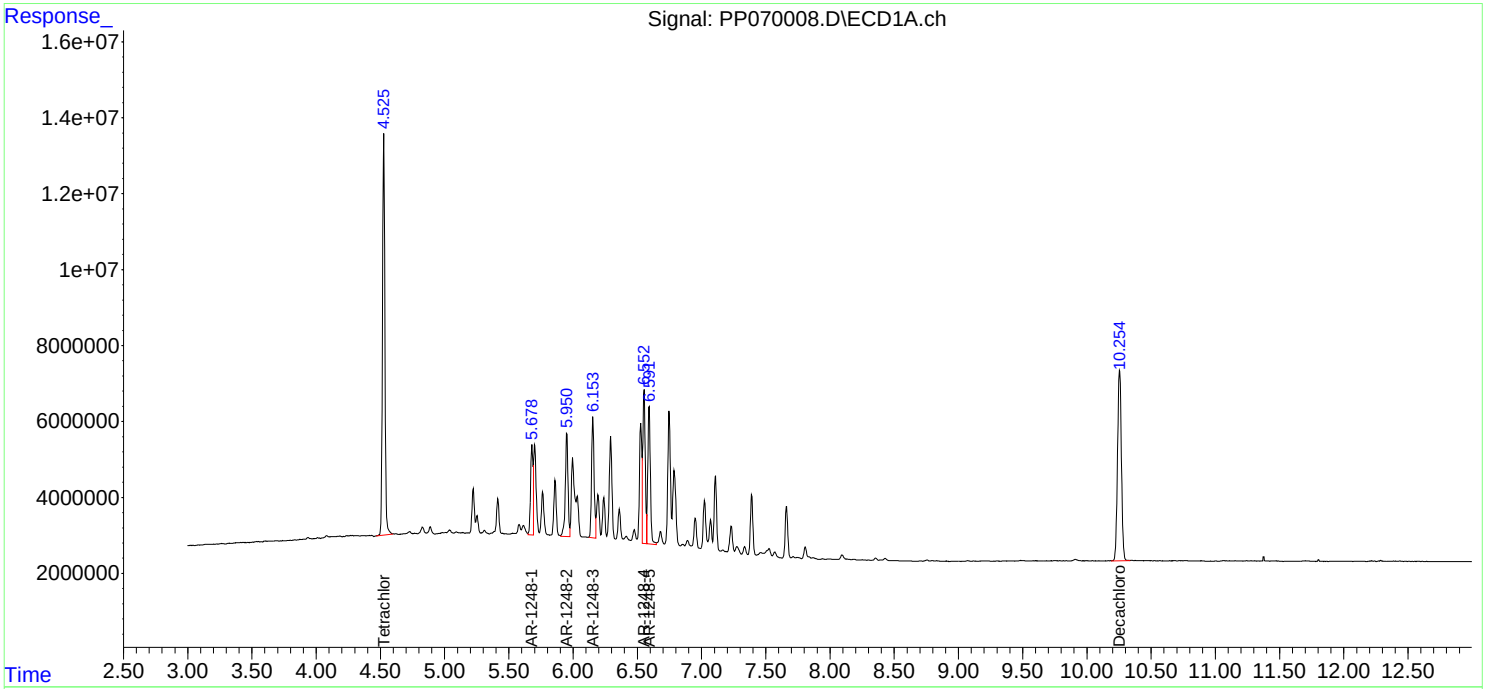
ICAL Form

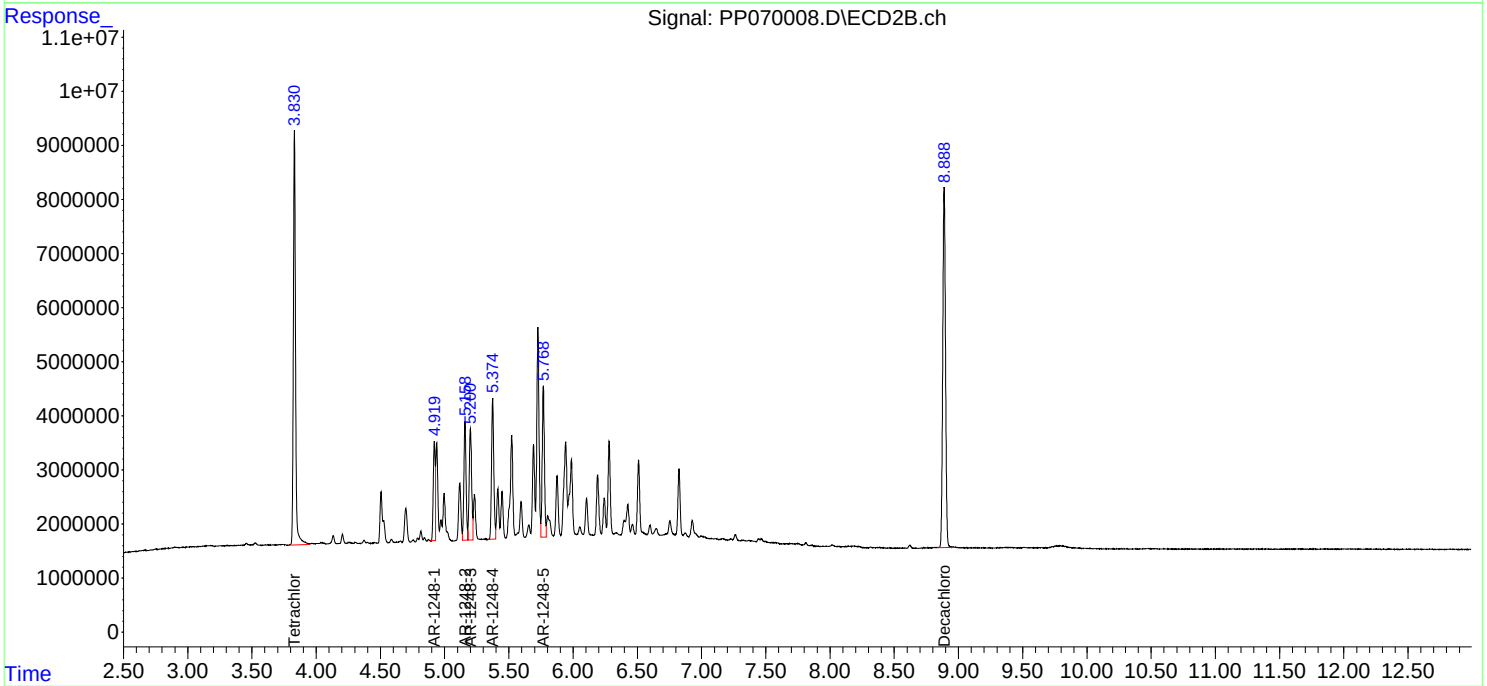
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 18:14
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:36:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:36:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 18:30
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:37:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:36:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.528	3.830	107.0E6	69847040	72.182	72.955
2)	SA Decachlor...	10.257	8.888	80087667	75196210	71.508	74.906
	Target Compounds						
21)	L5 AR-1248-1	5.680	4.920	23574976	15234629	724.068	687.536
22)	L5 AR-1248-2	5.953	5.158	31510312	20155741	735.118	695.435
23)	L5 AR-1248-3	6.156	5.201	33128178	21018750	705.634	698.572
24)	L5 AR-1248-4	6.555	5.373	41741933	24799421	711.828	702.815
25)	L5 AR-1248-5	6.594	5.768	39689513	25642609	697.595	710.513

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

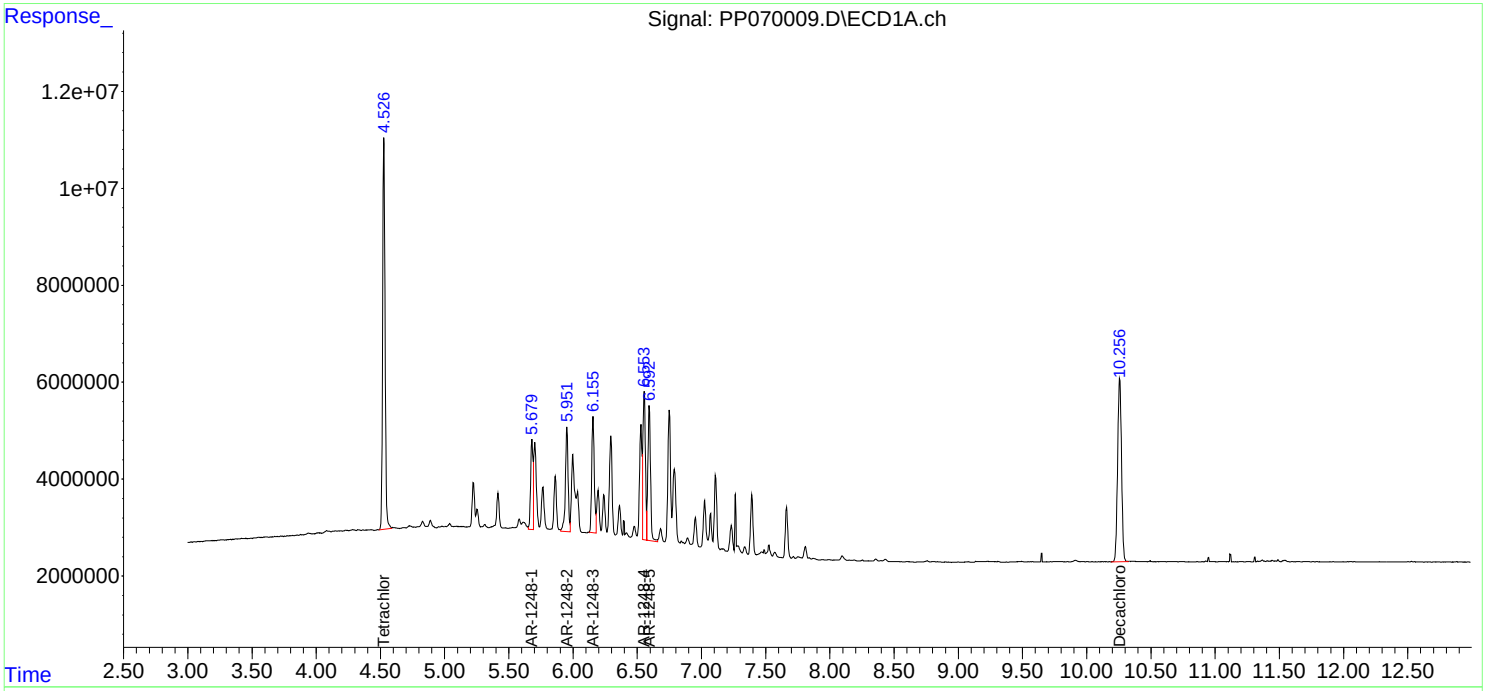
ICAL Form

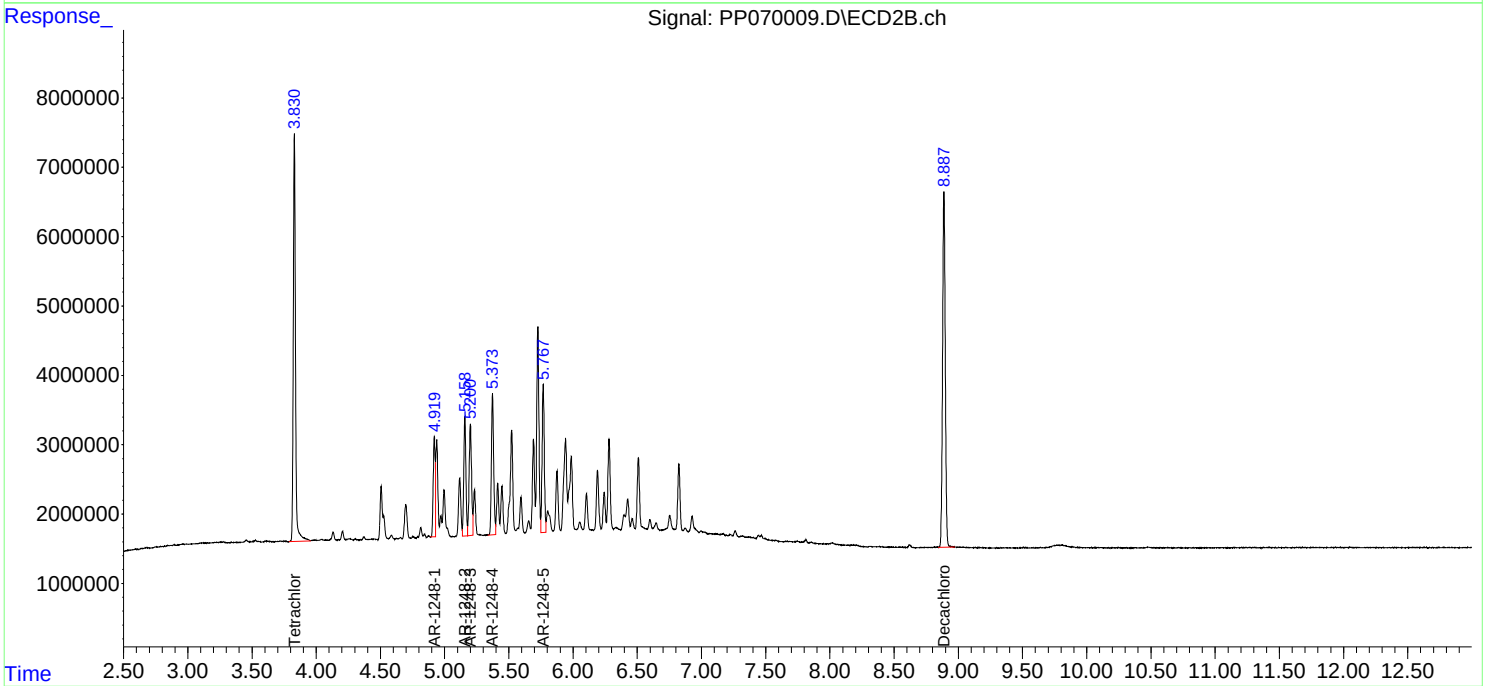
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 18:30
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:37:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:36:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 18:46
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:37:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:36:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.830	74097252	47870255	50.000	50.000
2)	SA Decachlor...	10.255	8.889	55999113	50193760	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	5.678	4.920	16279538	11079155	500.000	500.000
22)	L5 AR-1248-2	5.950	5.158	21432138	14491473	500.000	500.000
23)	L5 AR-1248-3	6.153	5.201	23474053	15044082	500.000	500.000
24)	L5 AR-1248-4	6.552	5.373	29320253	17642911	500.000	500.000
25)	L5 AR-1248-5	6.591	5.768	28447402	18045144	500.000	500.000

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

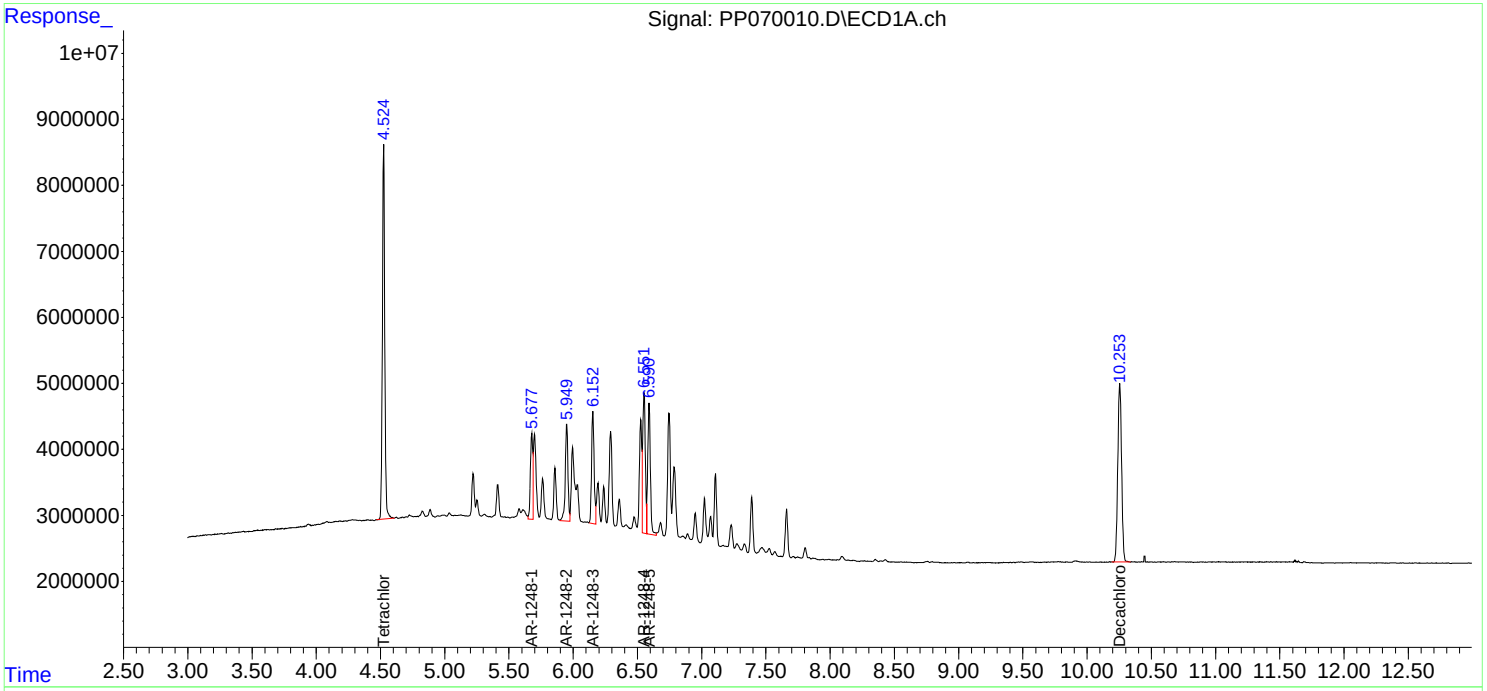
ICAL Form

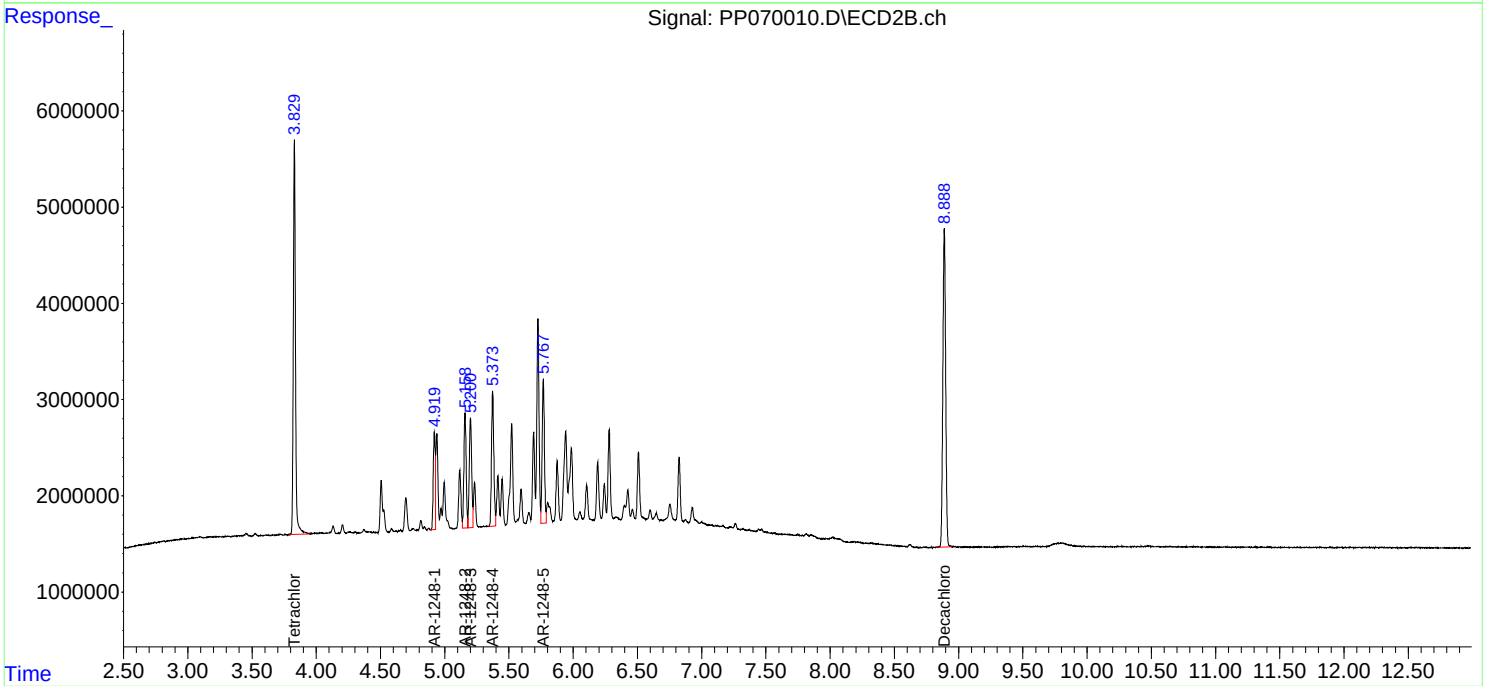
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 18:46
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:37:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:36:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 19:03
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 03:54:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 03:54:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.527	3.830	38195955	24656458	27.360	25.558
2)	SA Decachlor...	10.256	8.888	29657279	26374027	27.566	24.318
	Target Compounds						
21)	L5 AR-1248-1	5.679	4.919	9076374	5649023	274.099	259.128
22)	L5 AR-1248-2	5.952	5.158	11739728	7746160	285.240	269.144
23)	L5 AR-1248-3	6.154	5.200	12501018	8202675	284.893	268.606
24)	L5 AR-1248-4	6.553	5.373	16576083	9202118	278.734	248.325
25)	L5 AR-1248-5	6.592	5.767	16890807	9572836	297.336	253.802

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

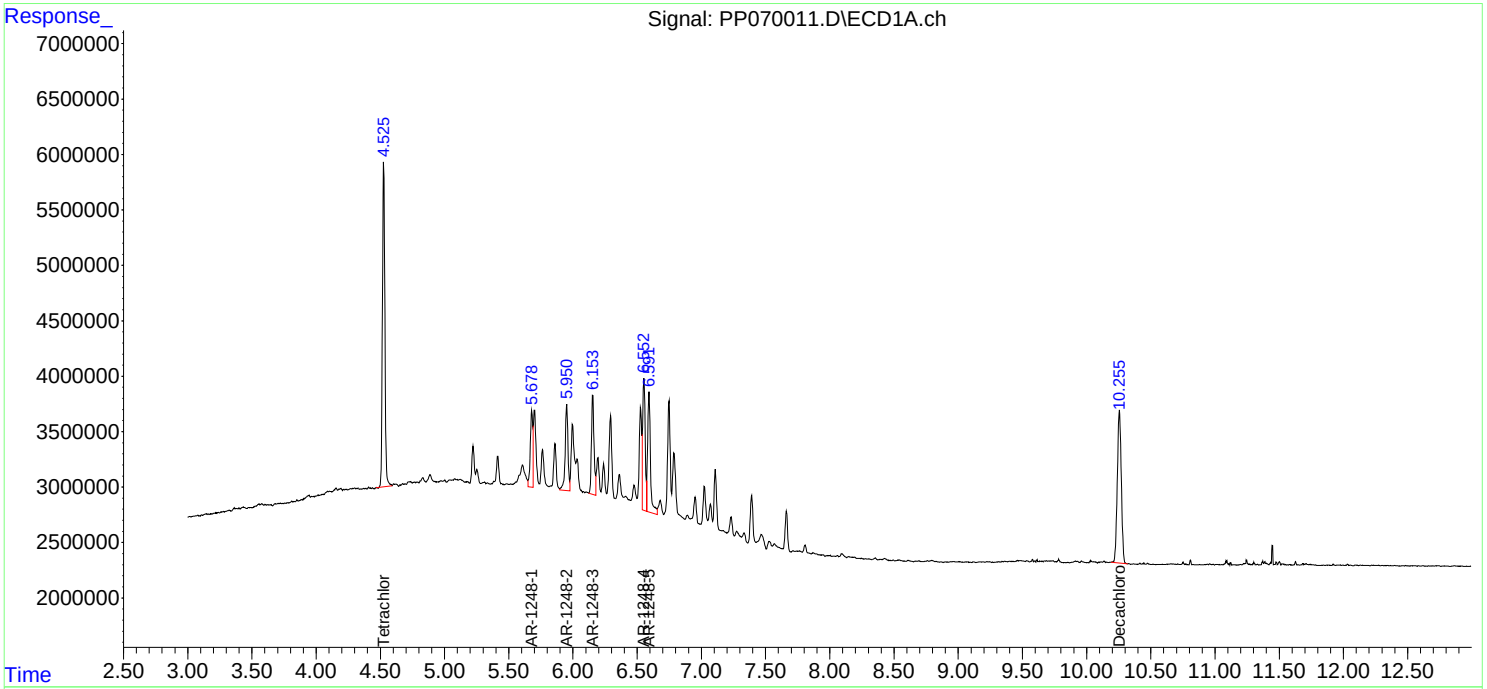
ICAL Form

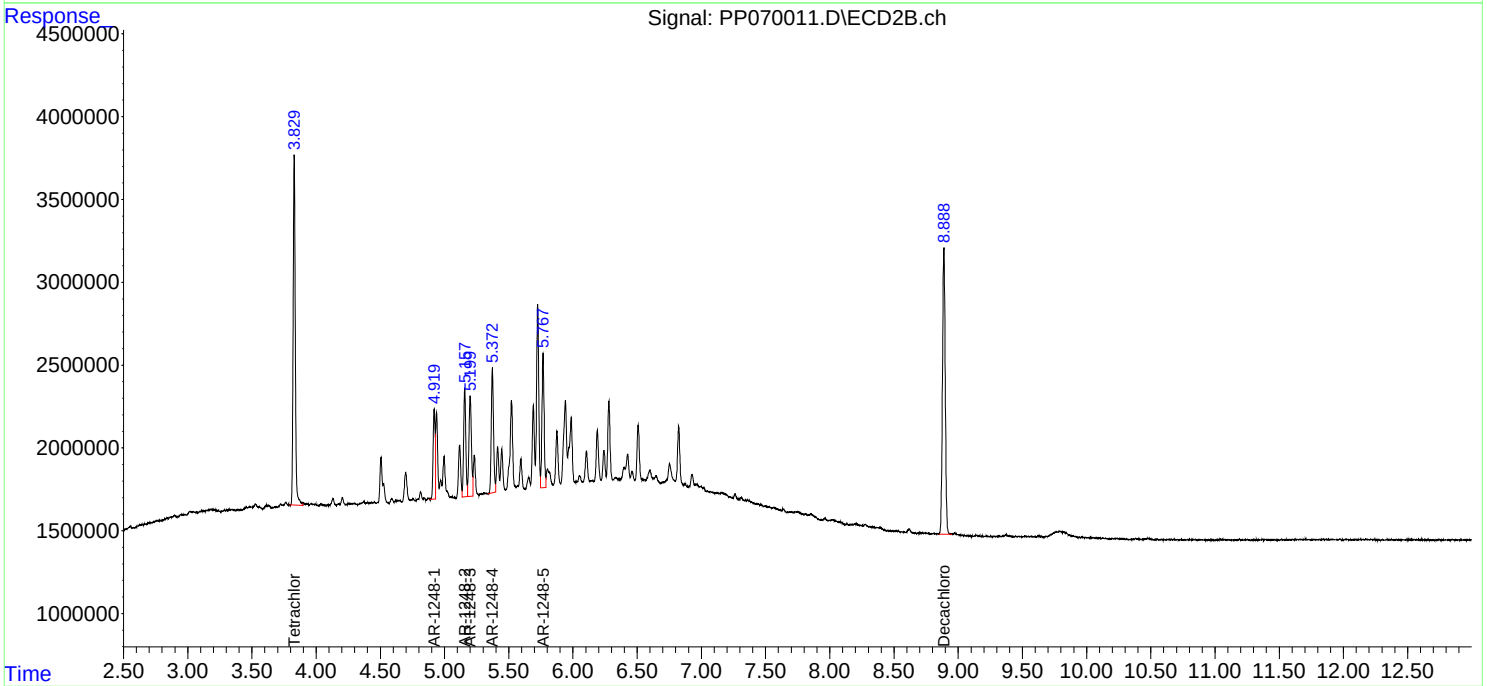
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 19:03
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 03:54:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 03:54:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 19:19
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 03:52:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 02:46:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.523	3.830	6550878	4860377	4.420	5.077
2)	SA Decachlor...	10.252	8.889	5158743	5826306	4.606	5.804 #
	Target Compounds						
21)	L5 AR-1248-1	5.675	4.919	1683389	1072097	51.703m	48.384
22)	L5 AR-1248-2	5.946	5.158	1972518	1428930	46.018m	49.302
23)	L5 AR-1248-3	6.149	5.201	2040568	1549382	43.464m	51.495
24)	L5 AR-1248-4	6.548	5.373	3014885	1941377	51.413m	55.019
25)	L5 AR-1248-5	6.588	5.768	2835972	1967262	49.846m	54.509

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 19:19
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

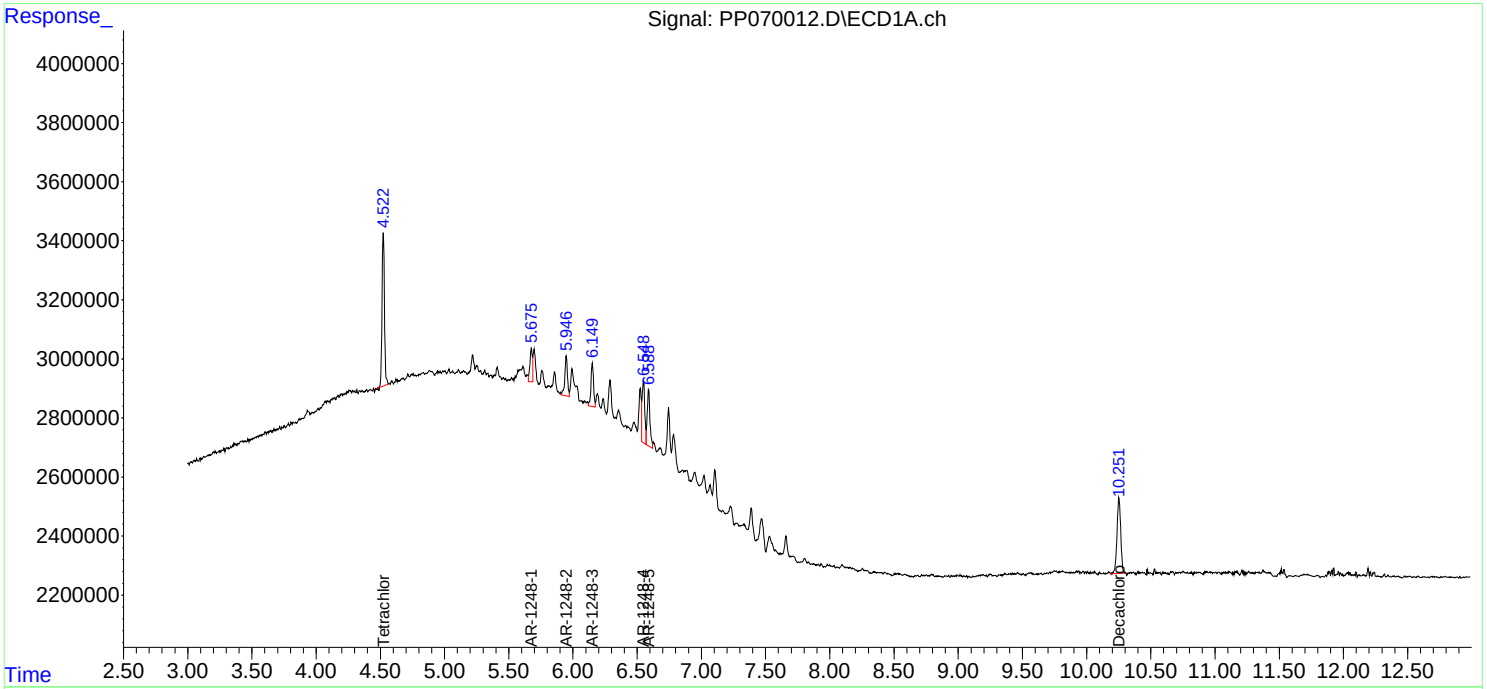
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

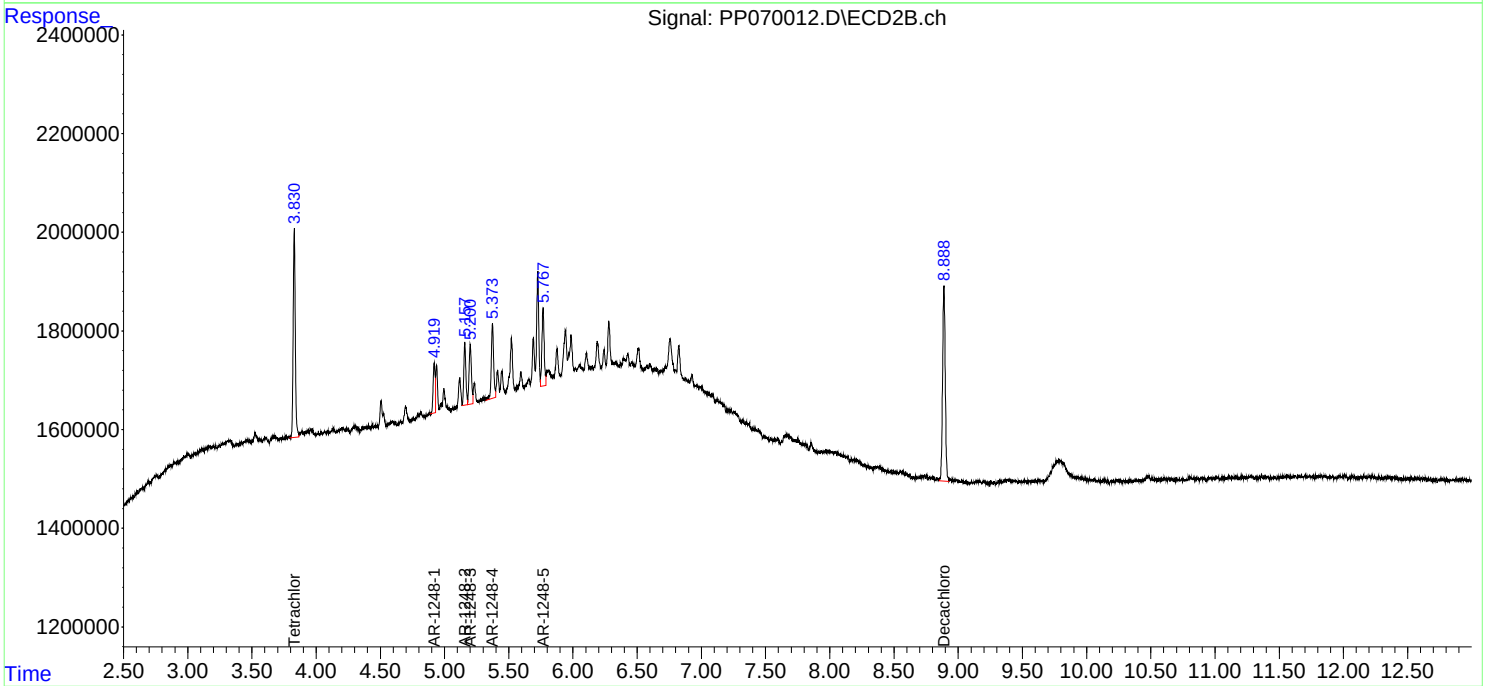
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 03:52:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 02:46:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 19:35
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:01:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.527	3.830	144.4E6	95717624	92.833	96.535
2)	SA Decachlor...	10.257	8.888	107.6E6	96312460	88.033	84.075
	Target Compounds						
26)	L6 AR-1254-1	6.529	5.726	51156577	50279933	843.859m	901.842
27)	L6 AR-1254-2	6.747	5.875	78872042	44271421	906.723	892.959
28)	L6 AR-1254-3	7.110	6.280	79973406	70979950	912.505	899.833
29)	L6 AR-1254-4	7.392	6.508	66856800	50771725	910.193	935.892
30)	L6 AR-1254-5	7.809	6.927	65315189	64408865	938.155	885.994

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 19:35
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

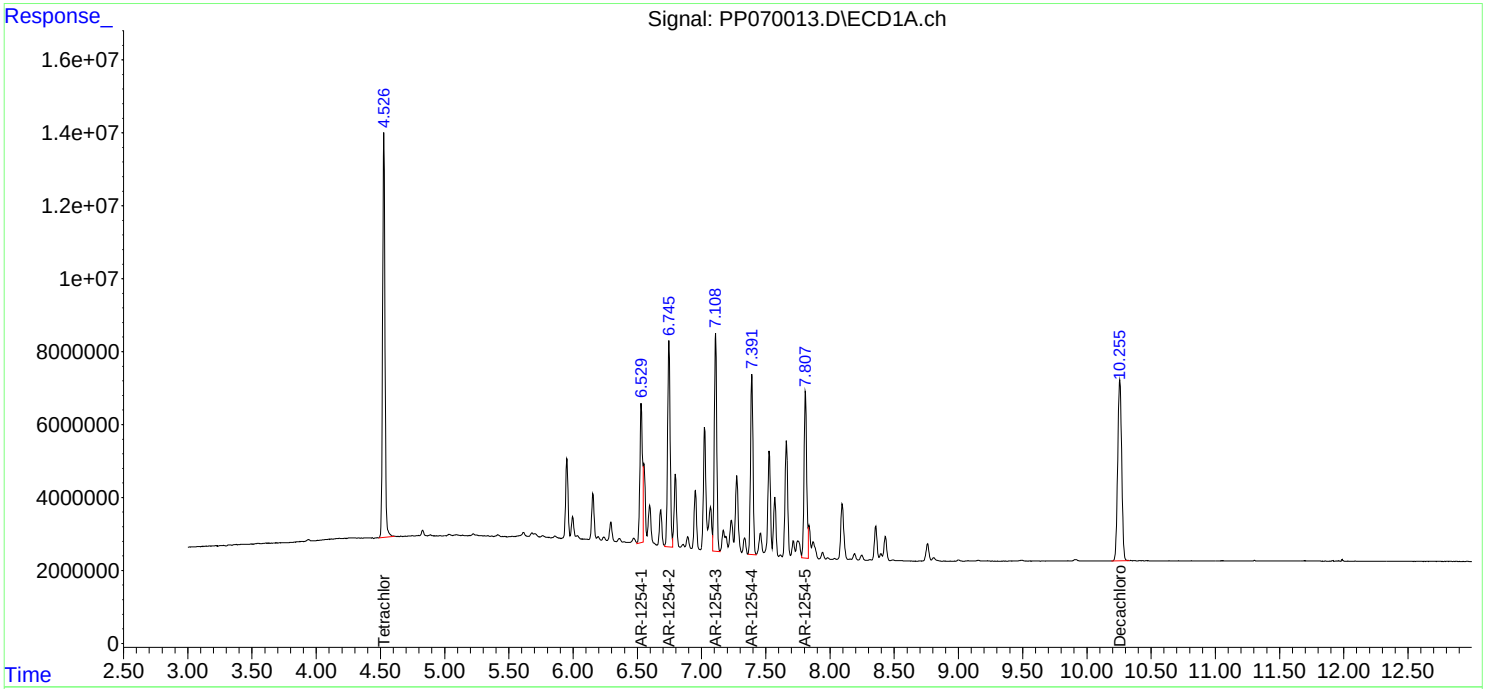
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

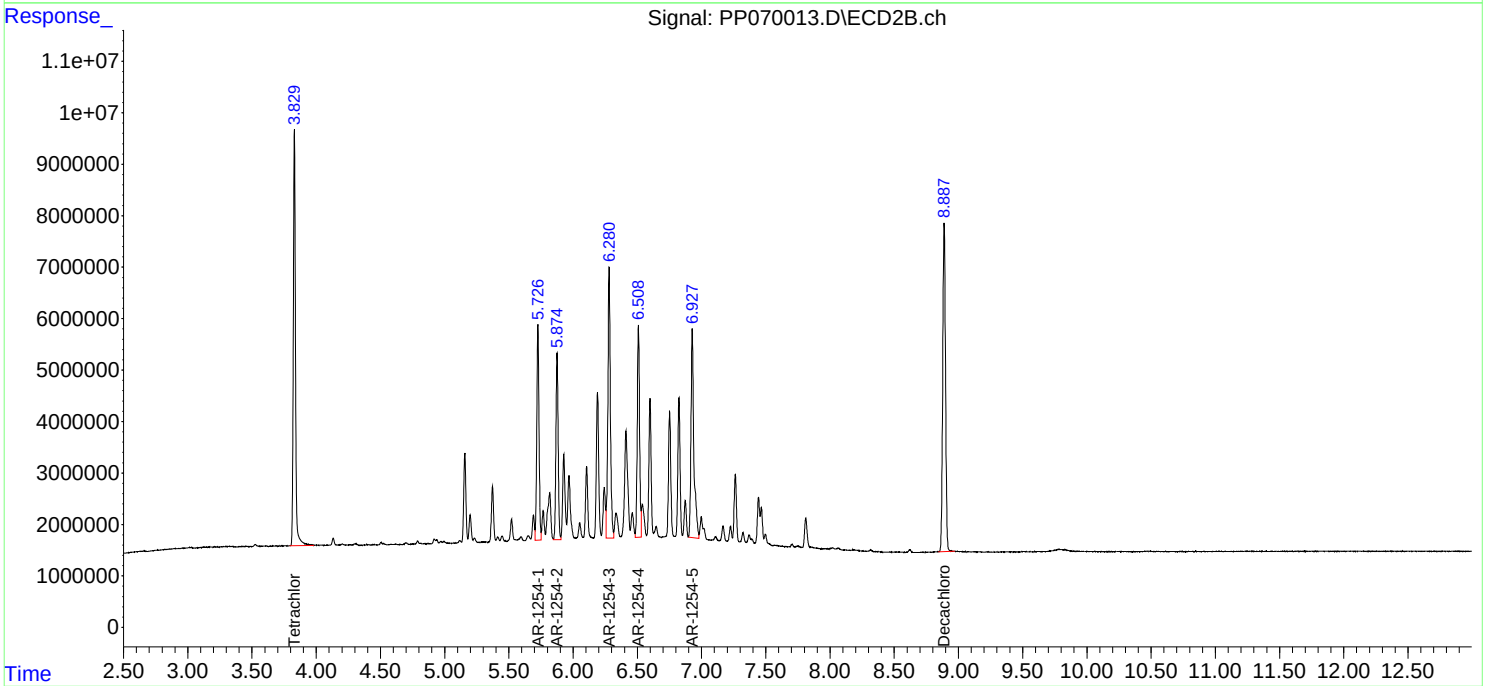
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:01:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 19:51
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:01:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.830	110.7E6	71421307	71.176	72.031
2)	SA Decachlor...	10.252	8.888	82107398	75976360	67.202	66.323
	Target Compounds						
26)	L6 AR-1254-1	6.526	5.727	43177815	38730329	712.245m	694.683
27)	L6 AR-1254-2	6.744	5.875	60940959	34175329	700.585	689.320
28)	L6 AR-1254-3	7.106	6.280	61741877	54448591	704.482	690.260
29)	L6 AR-1254-4	7.389	6.508	51037990	37612054	694.835	693.315
30)	L6 AR-1254-5	7.804	6.927	51336155	49566080	737.367m	681.820

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 19:51
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

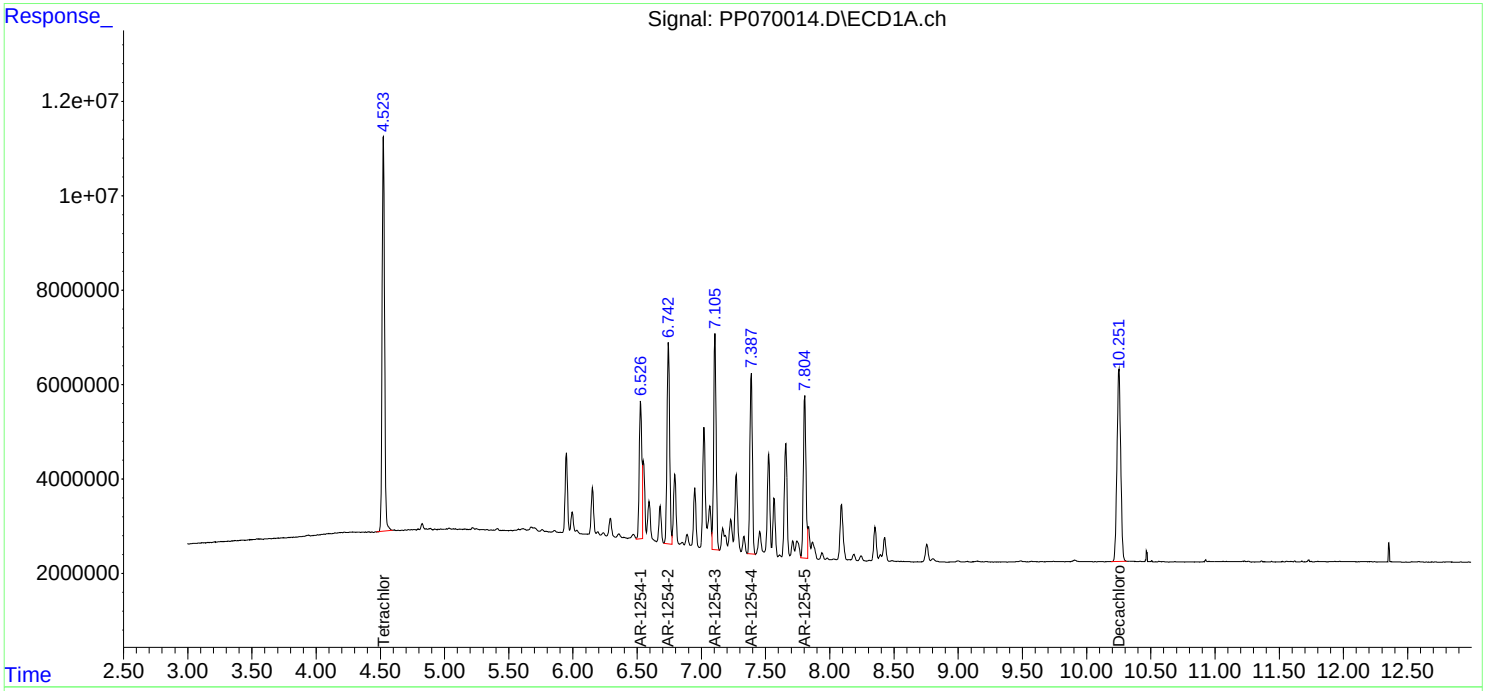
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

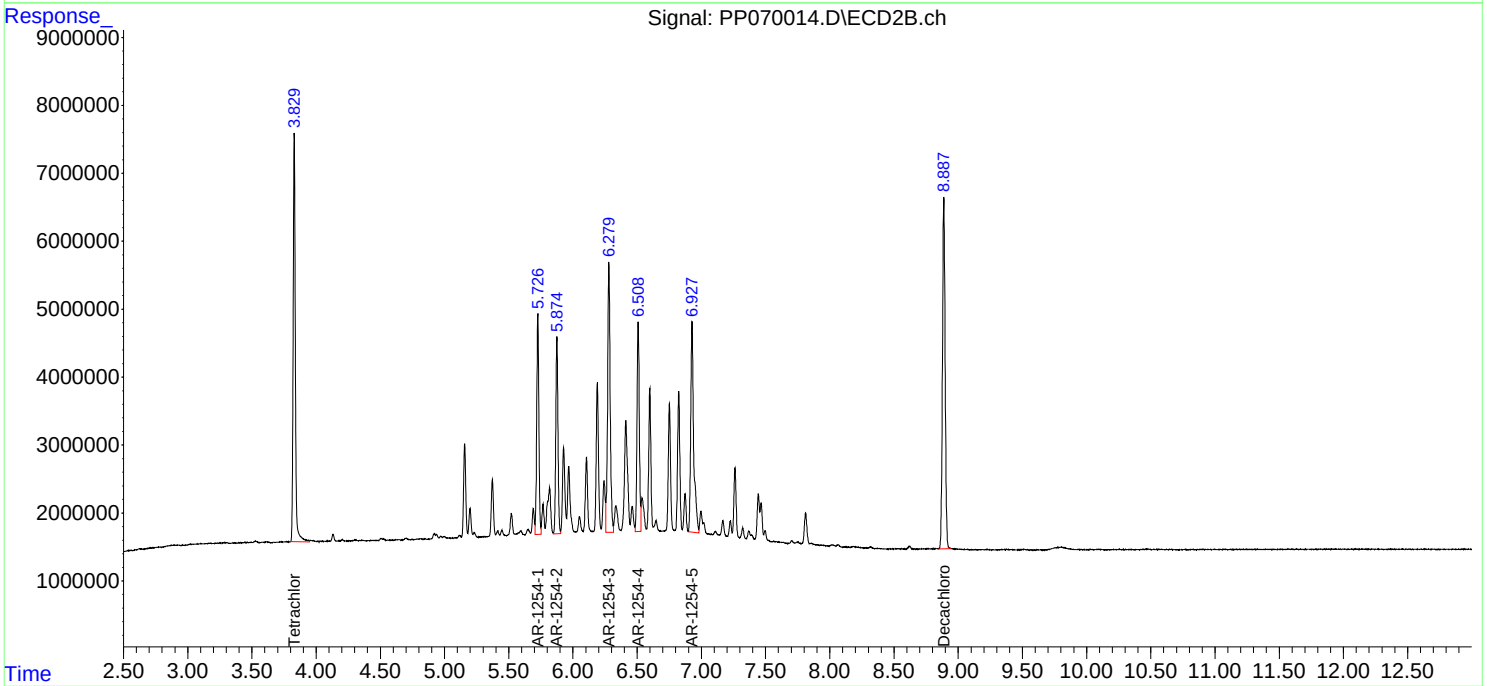
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:01:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 20:08
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:02:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.527	3.830	77763216	49576763	50.000	50.000
2)	SA Decachlor...	10.257	8.888	61090090	57277938	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	6.531	5.727	30311081	27876244	500.000	500.000
27)	L6 AR-1254-2	6.747	5.875	43492927	24789176	500.000	500.000
28)	L6 AR-1254-3	7.110	6.281	43820793	39440641	500.000	500.000
29)	L6 AR-1254-4	7.392	6.509	36726697	27124790	500.000	500.000
30)	L6 AR-1254-5	7.809	6.928	34810463	36348350	500.000	500.000

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

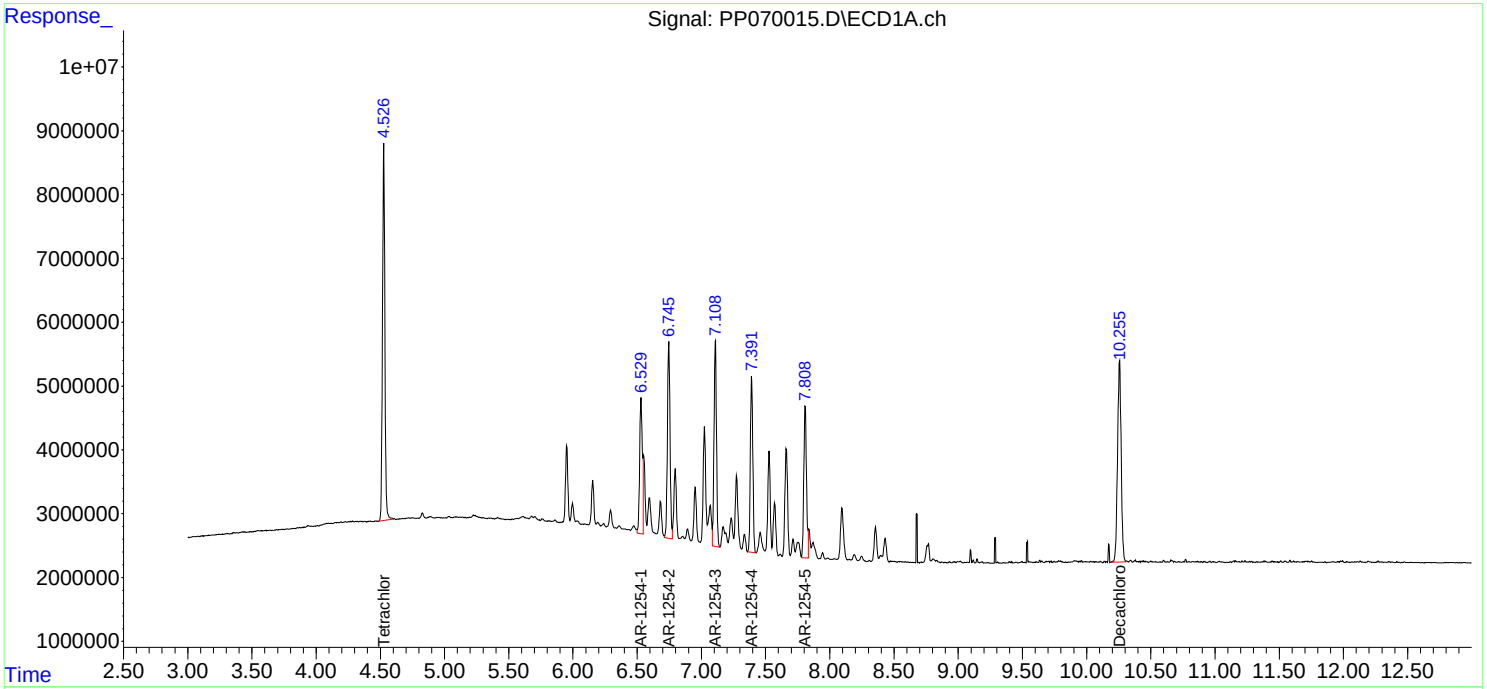
ICAL Form

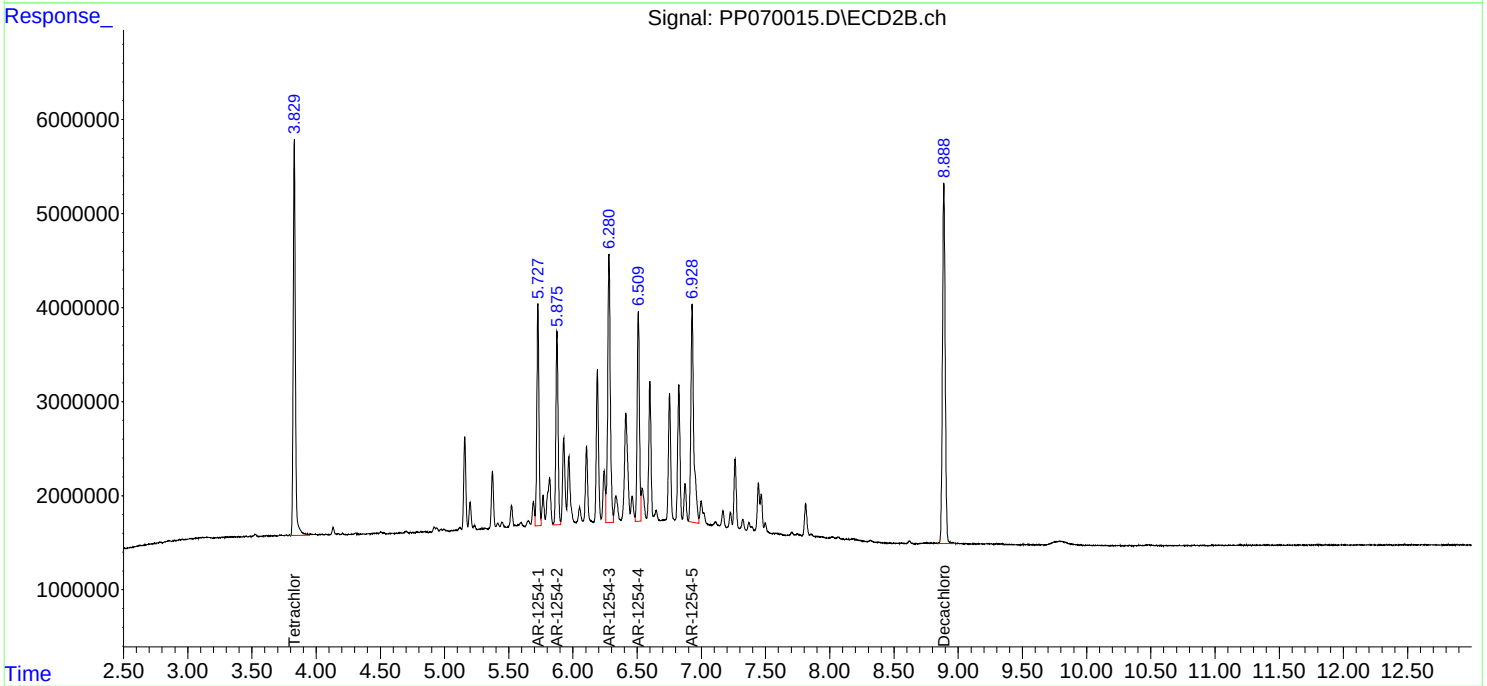
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 20:08
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:02:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 20:24
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:02:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.527	3.830	40132836	27047582	25.805	27.278
2)	SA Decachlor...	10.255	8.888	30187238	31137800	24.707	27.181
	Target Compounds						
26)	L6 AR-1254-1	6.531	5.726	16752117	15003264	276.337	269.105
27)	L6 AR-1254-2	6.747	5.875	23335043	13387354	268.263	270.024
28)	L6 AR-1254-3	7.110	6.280	23235048	21071755	265.114	267.133
29)	L6 AR-1254-4	7.392	6.508	19203653	14324648	261.440	264.051
30)	L6 AR-1254-5	7.809	6.927	18089237	18907727	259.825	260.091

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

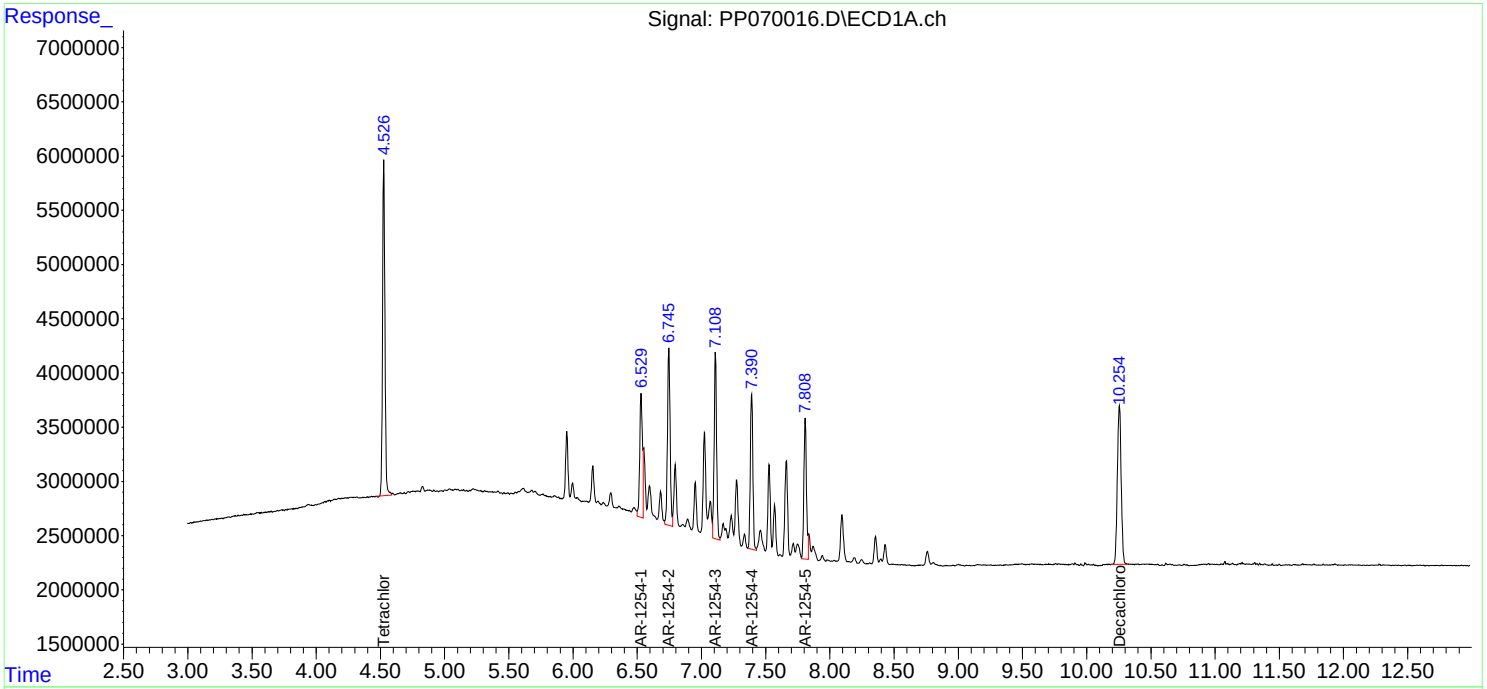
ICAL Form

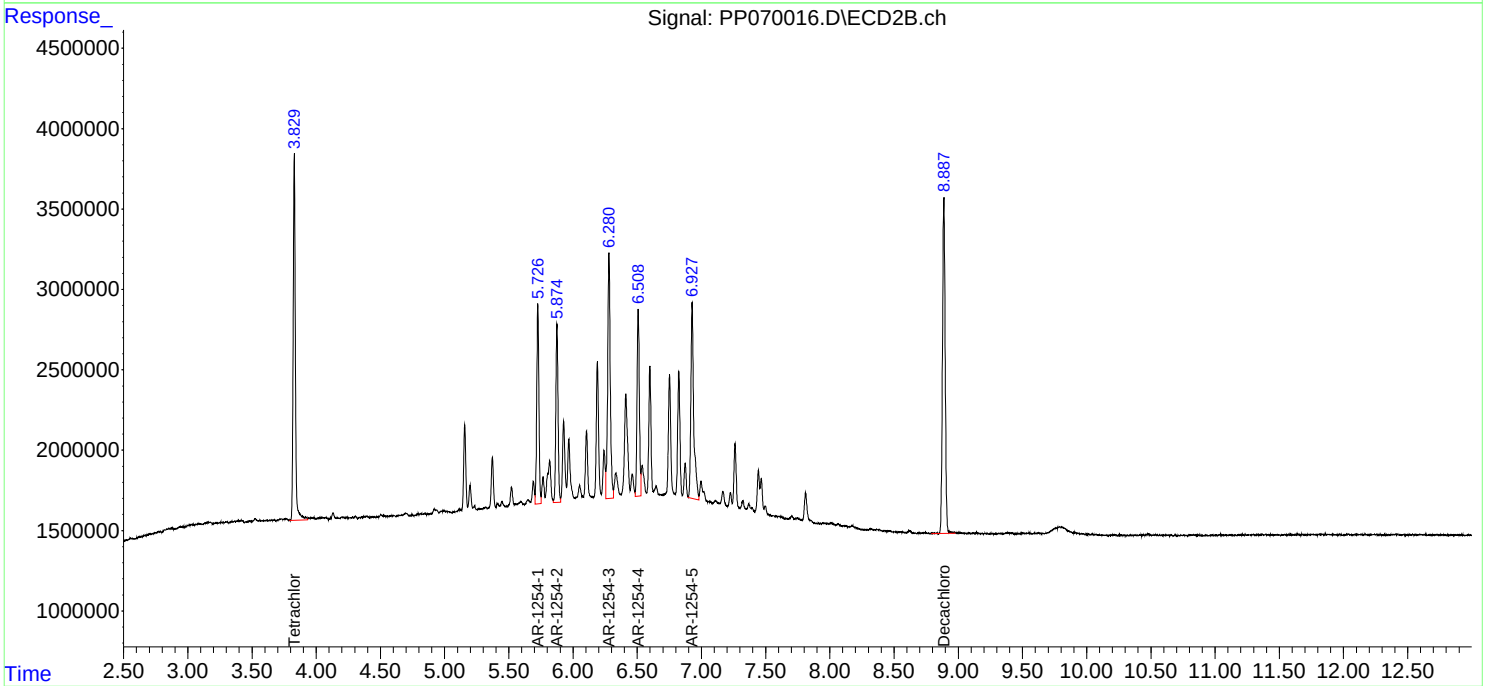
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 20:24
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:02:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 20:40
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:02:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.829	6961196	4894187	4.476m	4.936m
2)	SA Decachlor...	10.255	8.888	5486741	5741356	4.491	5.012
	Target Compounds						
26)	L6 AR-1254-1	6.527	5.726	2357200	2758046	38.883m	49.469m#
27)	L6 AR-1254-2	6.744	5.874	4898737	2538069	56.316m	51.193m
28)	L6 AR-1254-3	7.107	6.280	5137710	3616827	58.622m	45.852m
29)	L6 AR-1254-4	7.391	6.509	4369008	2241541	59.480m	41.319m#
30)	L6 AR-1254-5	7.806	6.928	3003510	2951078	43.141m	40.594m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 20:40
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

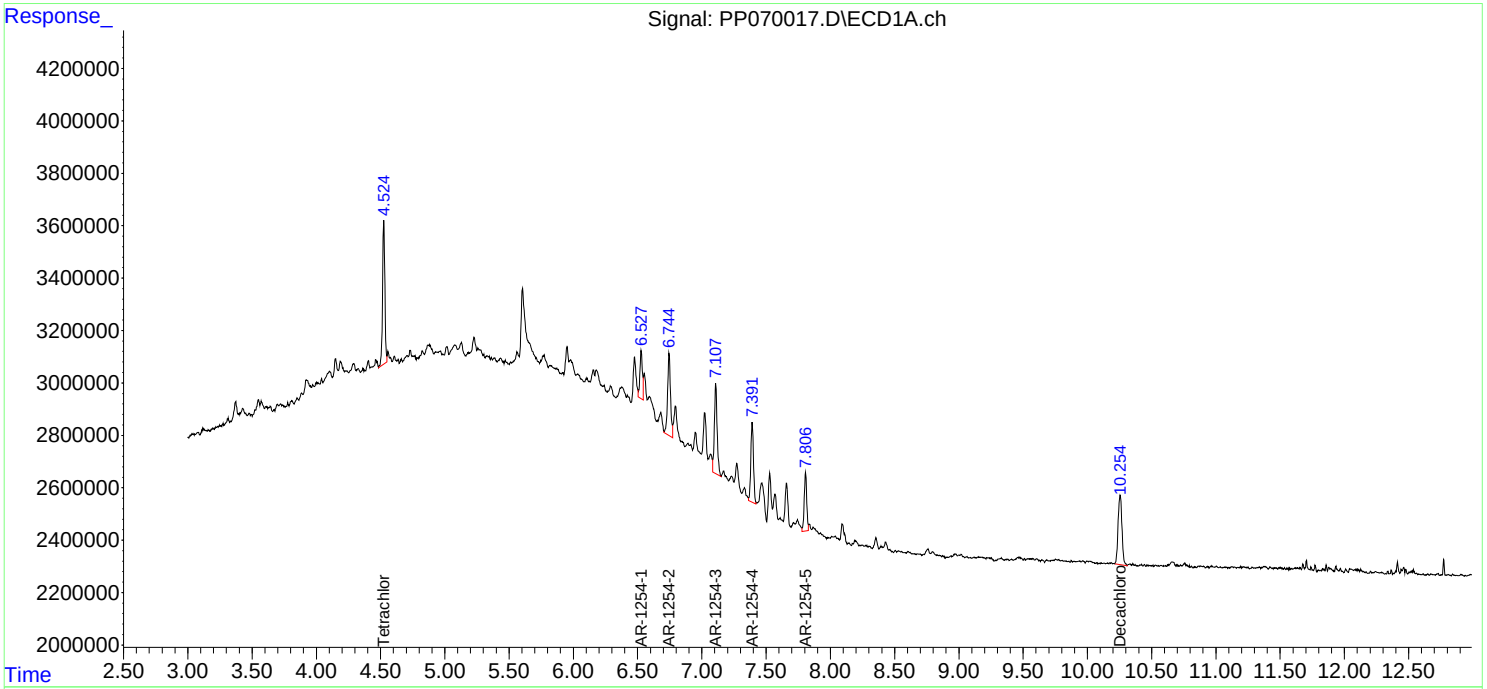
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

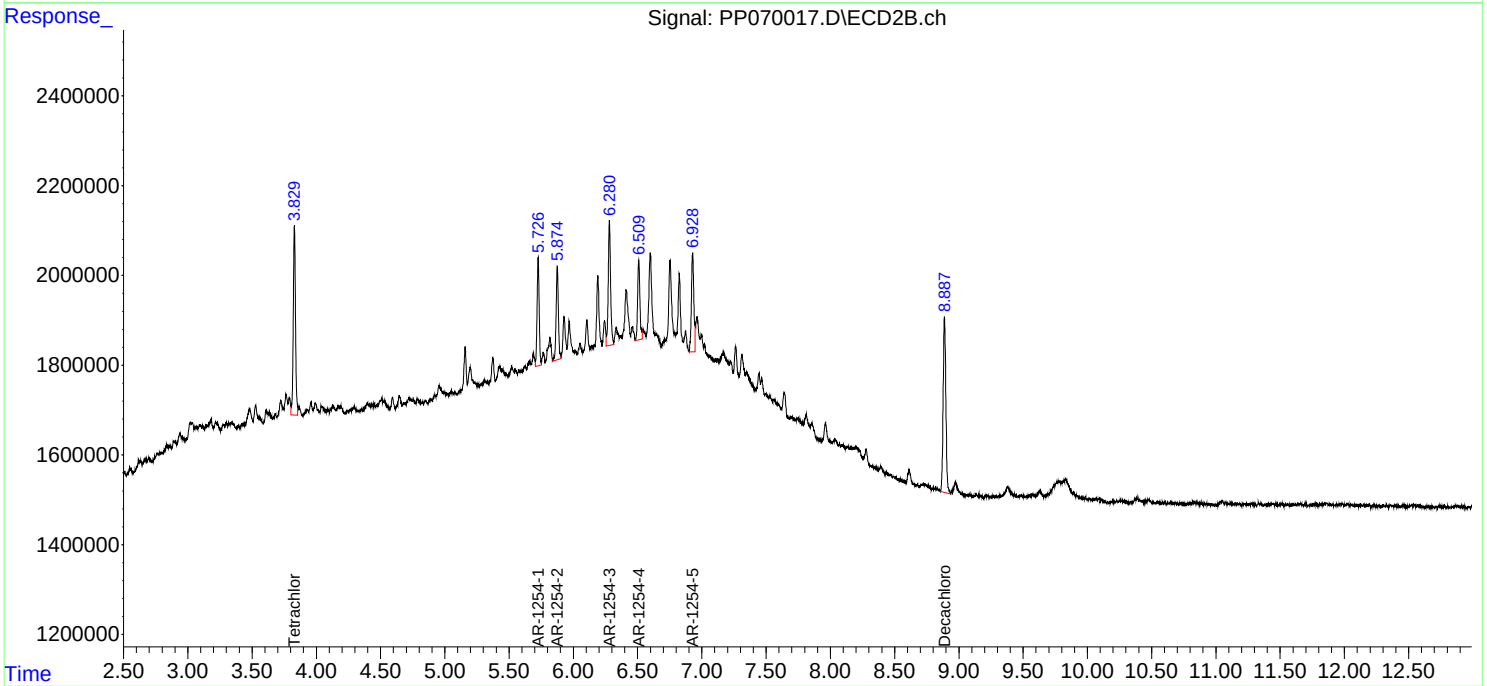
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:02:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 20:56
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:17:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:16:35 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.830	75905513	49076245	50.000	50.000
2)	SA Decachlor...	10.253	8.887	56184968	54922965	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	8.110	6.966	40364528	41737655	500.000	500.000
37)	L8 AR-1262-2	8.430	7.225	80543740	33145535	500.000	500.000
38)	L8 AR-1262-3	8.748	7.750	55305882	30290218	500.000	500.000
39)	L8 AR-1262-4	8.835	7.814	41956958	52736975	500.000	500.000
40)	L8 AR-1262-5	9.491	8.317	29402309	25965064	500.000	500.000

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

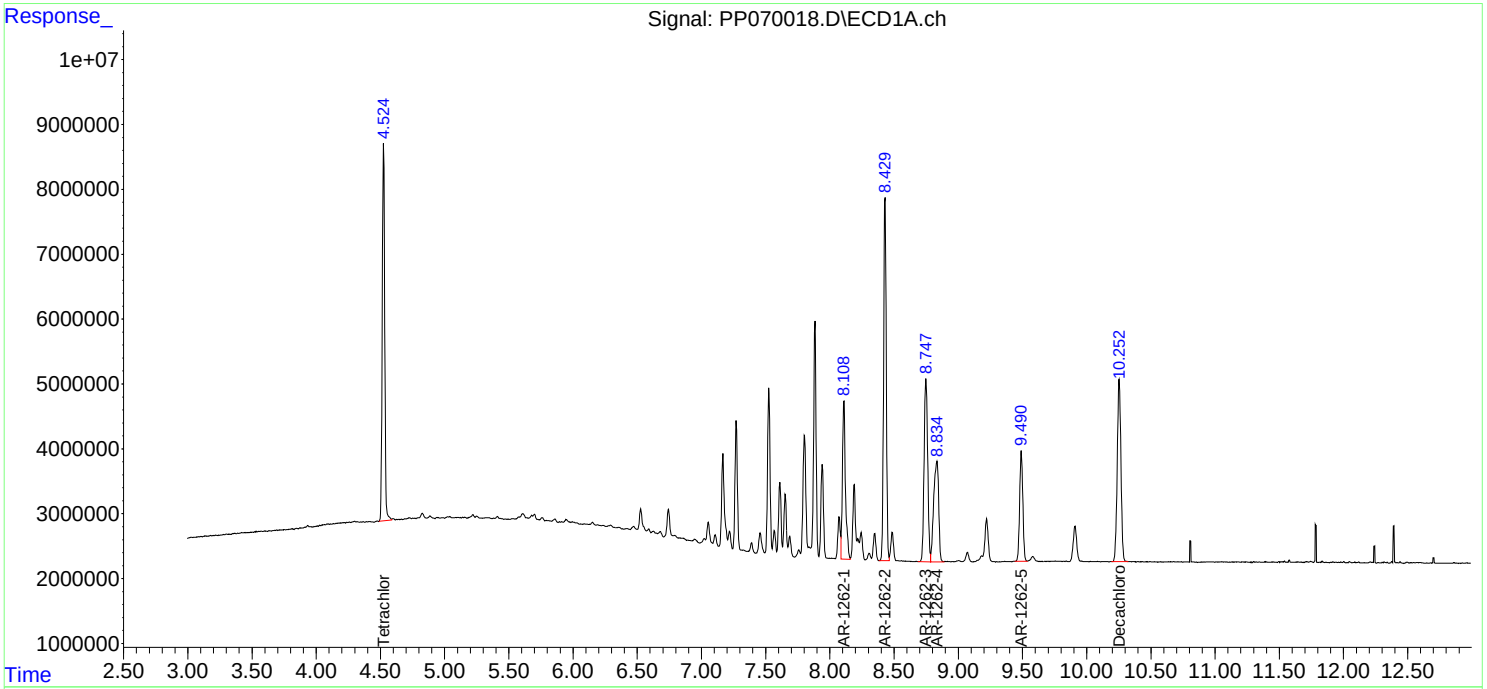
ICAL Form

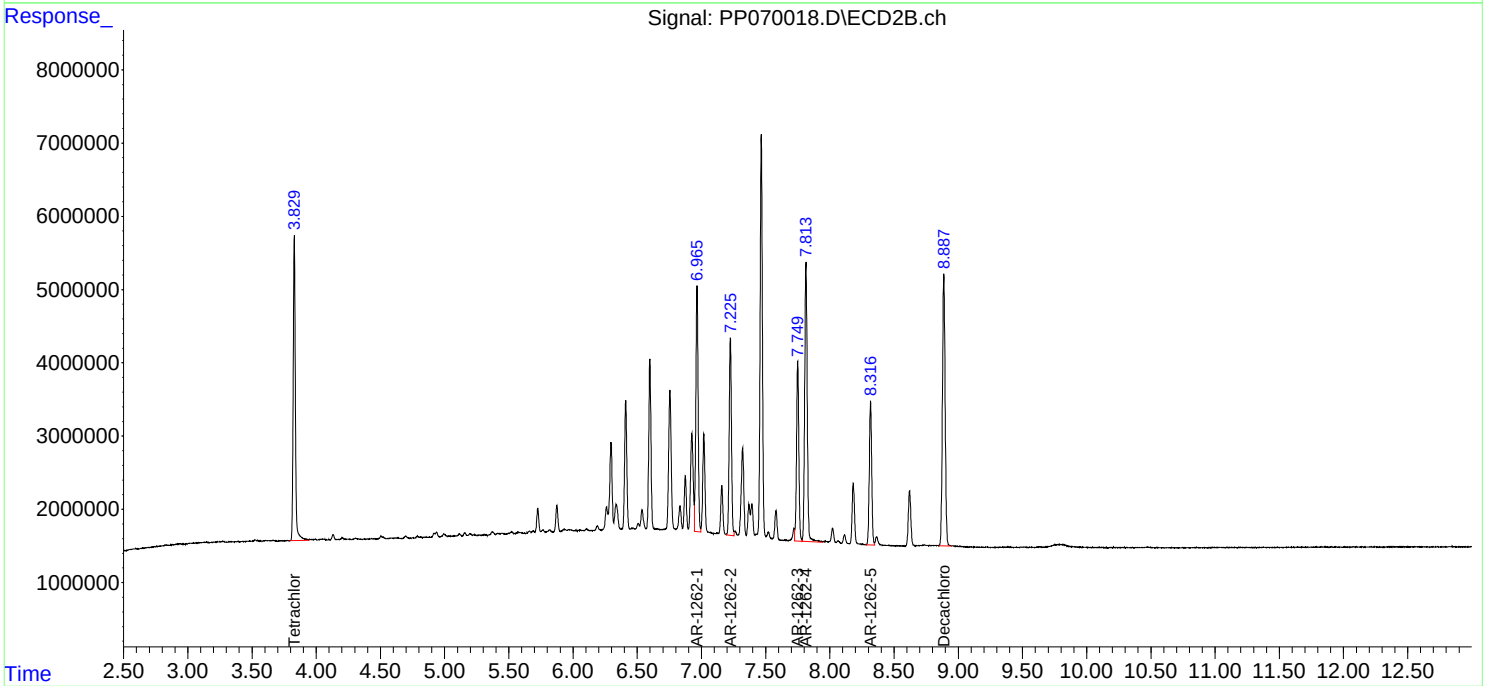
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 20:56
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:17:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:16:35 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 21:12
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:26:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.829	150.1E6	96949955	97.947	97.351
2)	SA Decachlor...	10.252	8.887	184.0E6	157.5E6	95.984	93.364
	Target Compounds						
41)	L9 AR-1268-1	8.744	7.749	188.4E6	160.3E6	973.171	1004.482
42)	L9 AR-1268-2	8.838	7.814	162.7E6	139.5E6	966.670	1016.199
43)	L9 AR-1268-3	9.071	8.022	141.6E6	118.7E6	974.102	985.054
44)	L9 AR-1268-4	9.490	8.316	63392961	50956768	985.012	963.009
45)	L9 AR-1268-5	9.910	8.620	414.0E6	345.5E6	989.680	1003.899

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

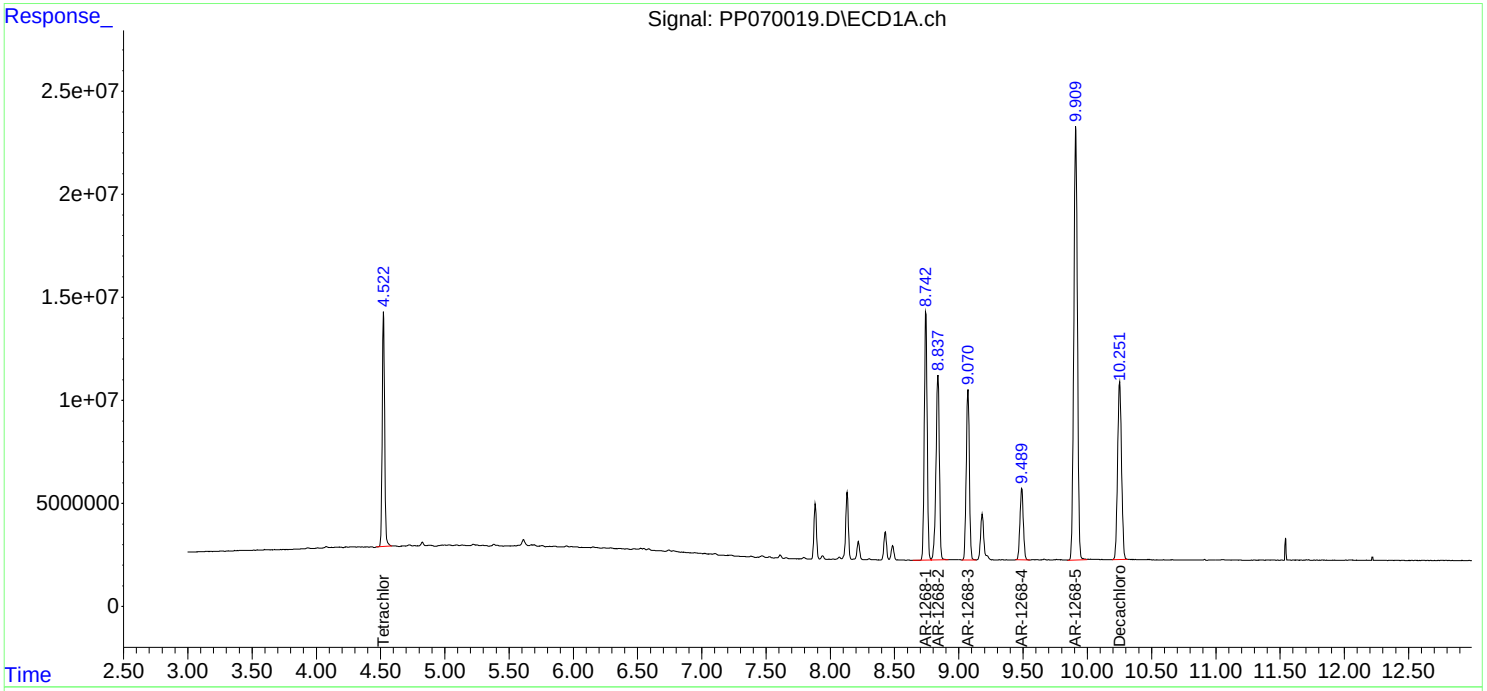
ICAL Form

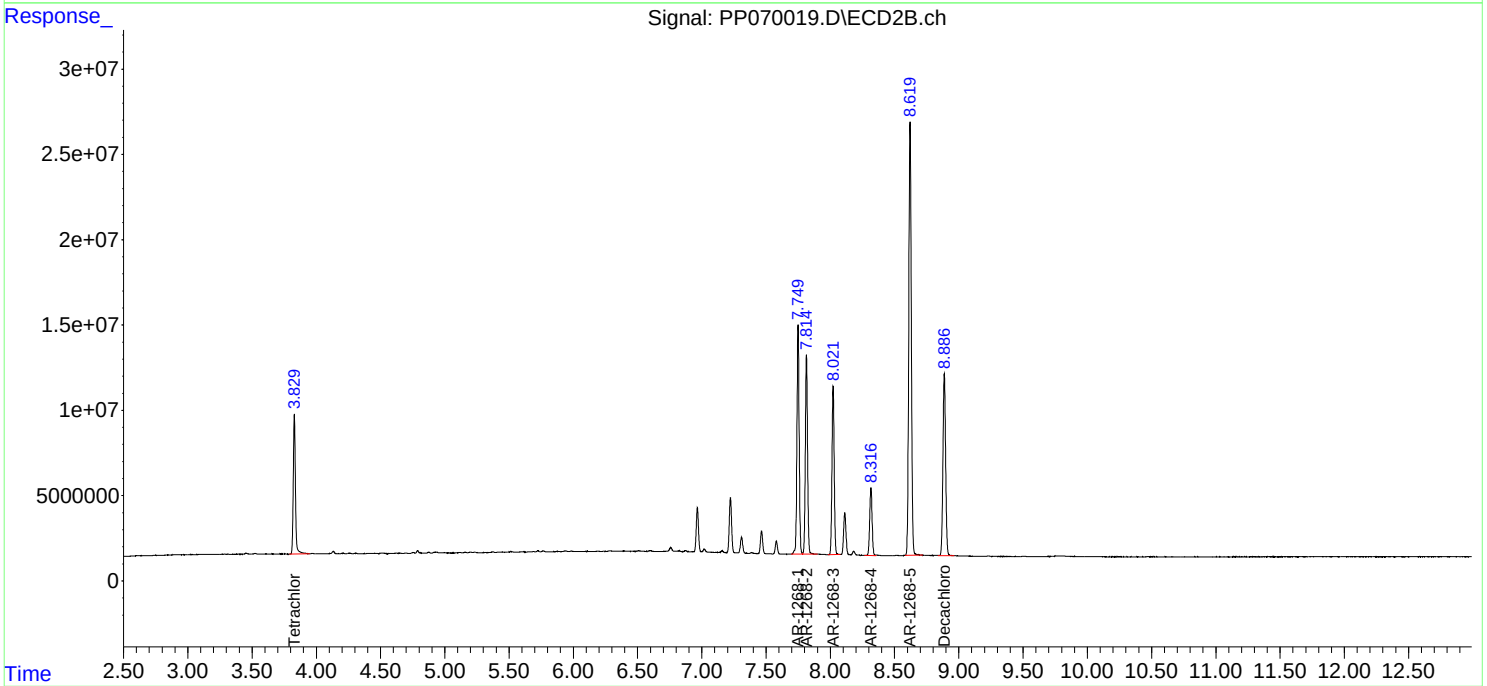
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 21:12
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:26:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 21:29
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:26:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.526	3.830	103.2E6	64166467	67.333	64.432m
2)	SA Decachlor...	10.254	8.887	137.1E6	125.3E6	71.547	74.298
	Target Compounds						
41)	L9 AR-1268-1	8.746	7.750	138.6E6	118.3E6	715.609	741.494
42)	L9 AR-1268-2	8.840	7.815	119.7E6	102.9E6	711.321	749.564
43)	L9 AR-1268-3	9.073	8.022	102.9E6	86951030	707.478	721.763
44)	L9 AR-1268-4	9.492	8.317	45213739	37616870	702.540	710.904
45)	L9 AR-1268-5	9.911	8.622	301.0E6	264.8E6	719.439	769.421

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 21:29
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

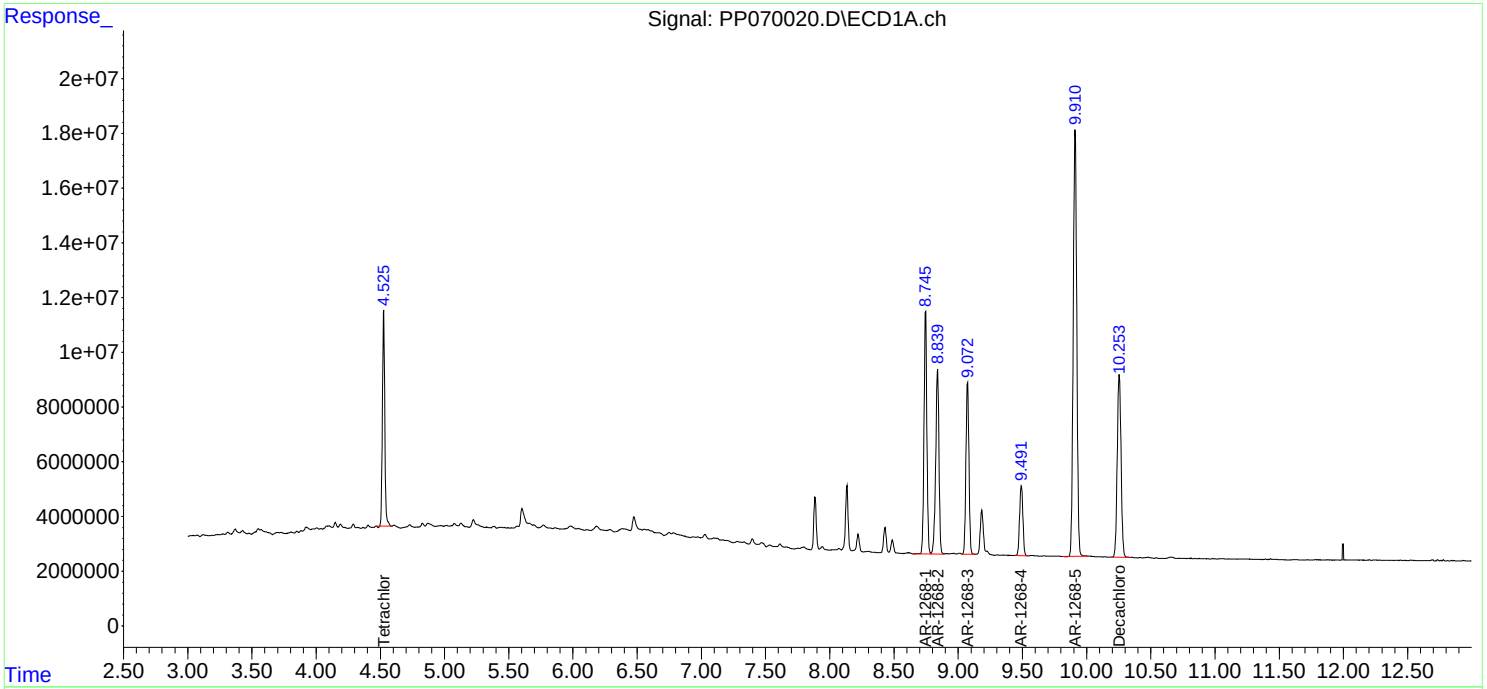
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

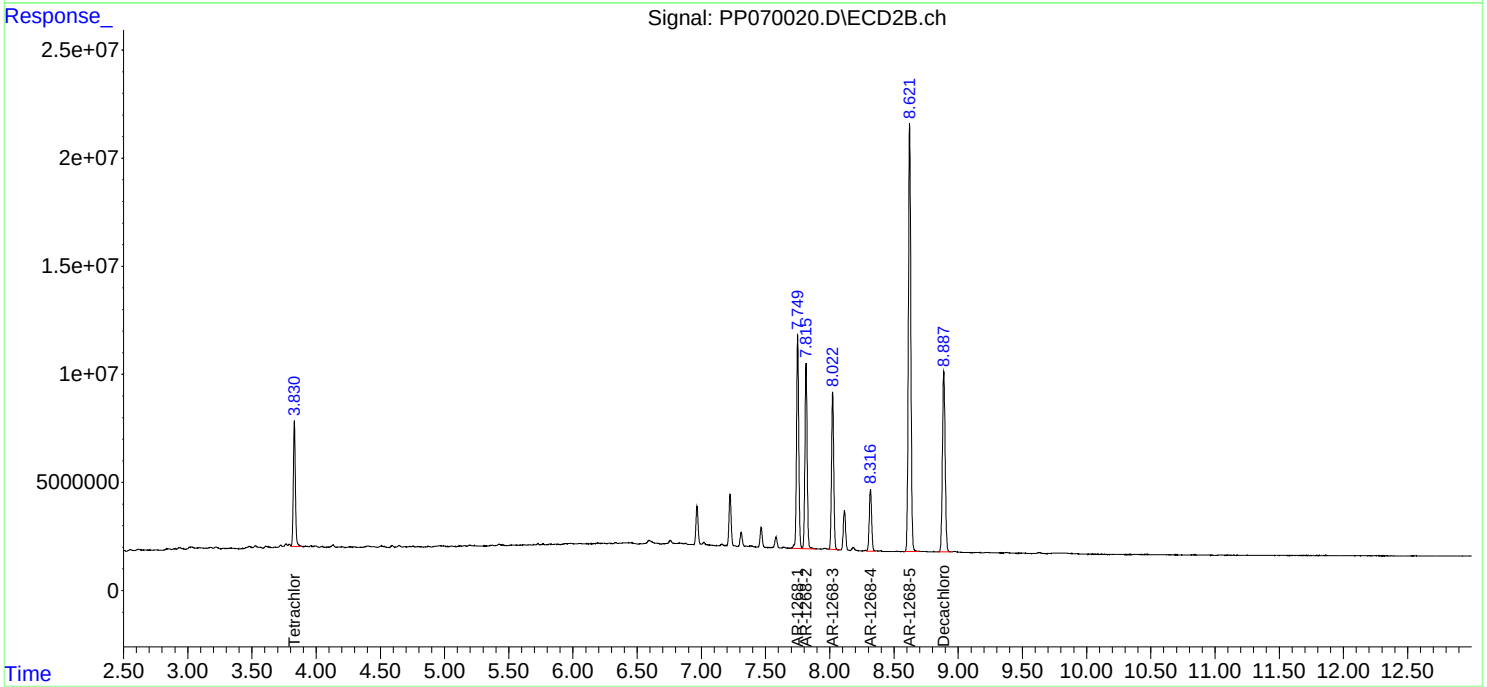
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:26:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 21:45
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:26:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.526	3.829	76635577	49794264	50.000	50.000
2)	SA Decachlor...	10.255	8.888	95825115	84338967	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	8.746	7.750	96814174	79784563	500.000	500.000
42)	L9 AR-1268-2	8.839	7.815	84153700	68652177	500.000	500.000
43)	L9 AR-1268-3	9.073	8.022	72693325	60235182	500.000	500.000
44)	L9 AR-1268-4	9.492	8.316	32178787	26457057	500.000	500.000
45)	L9 AR-1268-5	9.911	8.621	209.2E6	172.1E6	500.000	500.000

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

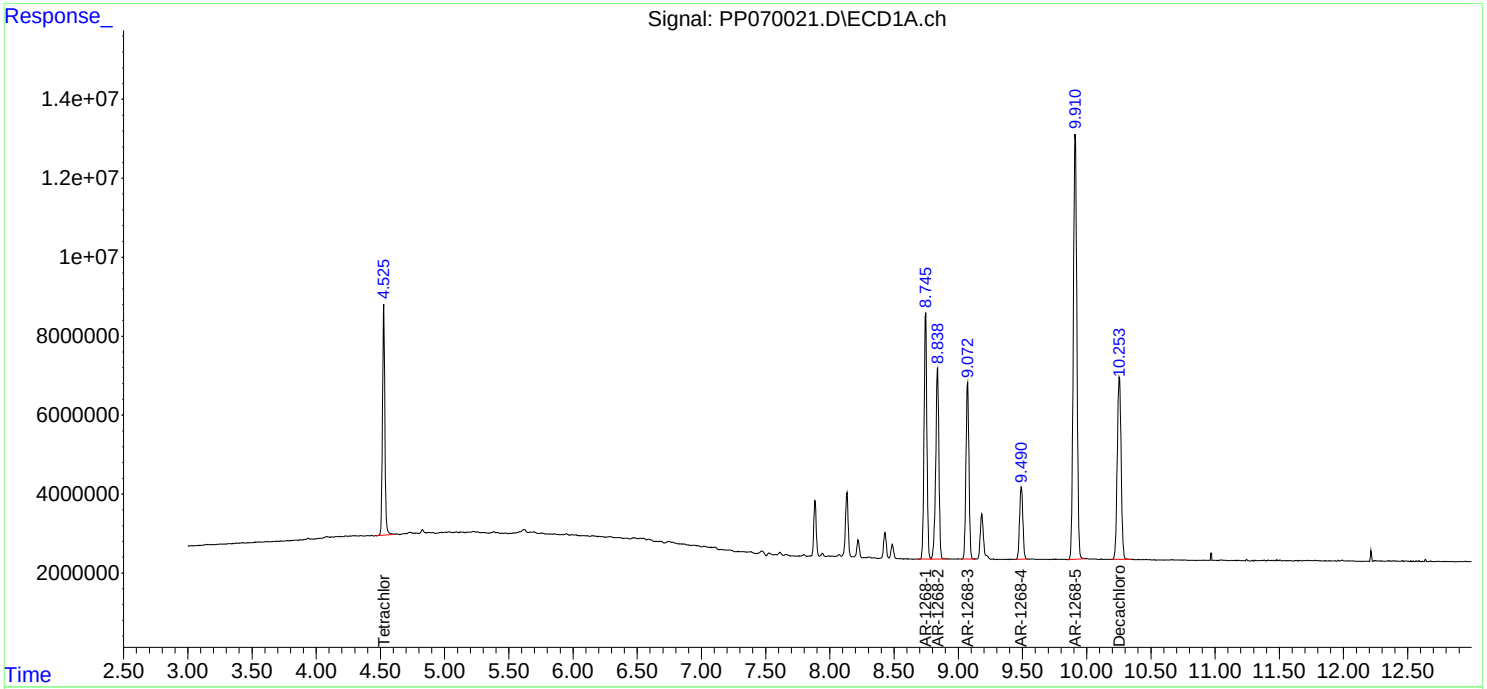
ICAL Form

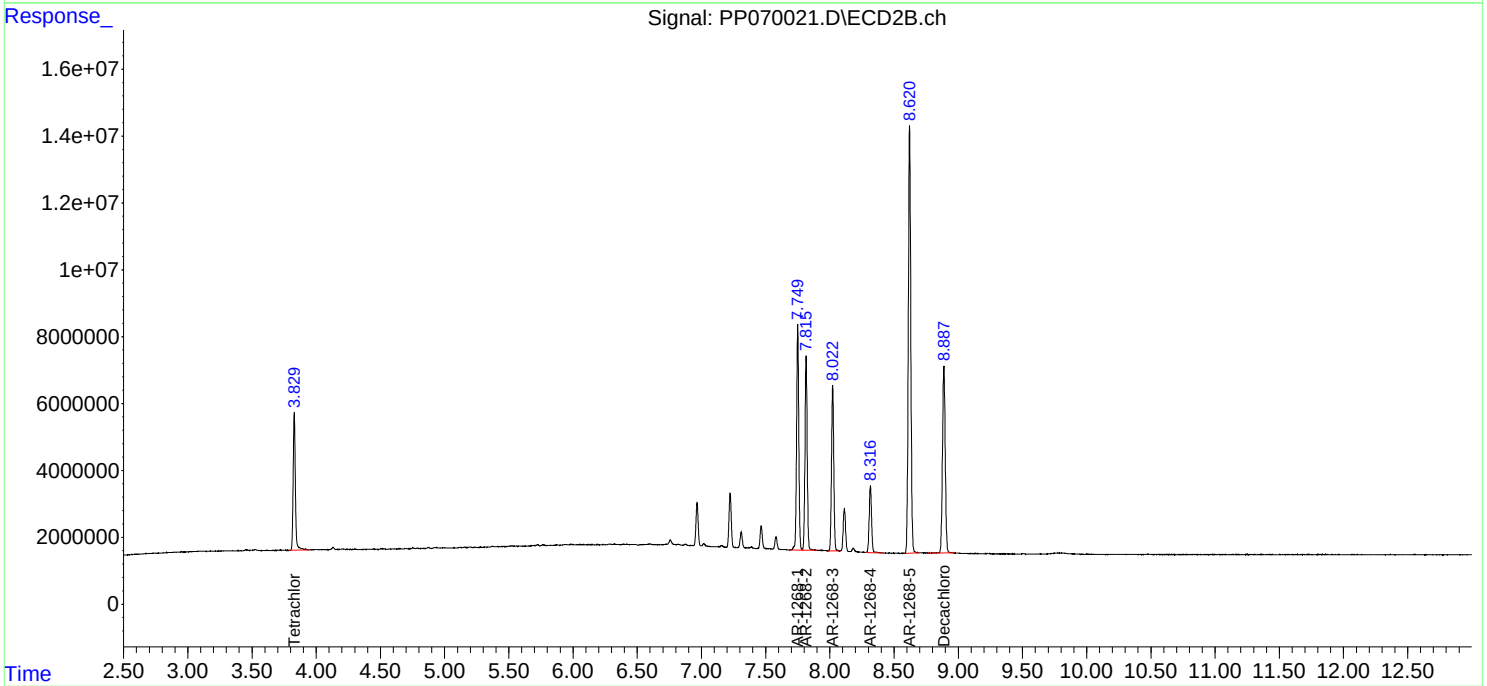
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 21:45
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:26:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 22:01
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:27:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.829	40528443	26907341	26.442	27.019
2)	SA Decachlor...	10.253	8.886	50783887	44782319	26.498	26.549
	Target Compounds						
41)	L9 AR-1268-1	8.743	7.749	51712877	42629022	267.073	267.151
42)	L9 AR-1268-2	8.837	7.813	44323419	36635586	263.348	266.820
43)	L9 AR-1268-3	9.070	8.021	38318414	32440426	263.562	269.281
44)	L9 AR-1268-4	9.489	8.314	16742549	14453634	260.149	273.153m
45)	L9 AR-1268-5	9.908	8.619	111.0E6	91654966	265.452	266.322

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 22:01
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

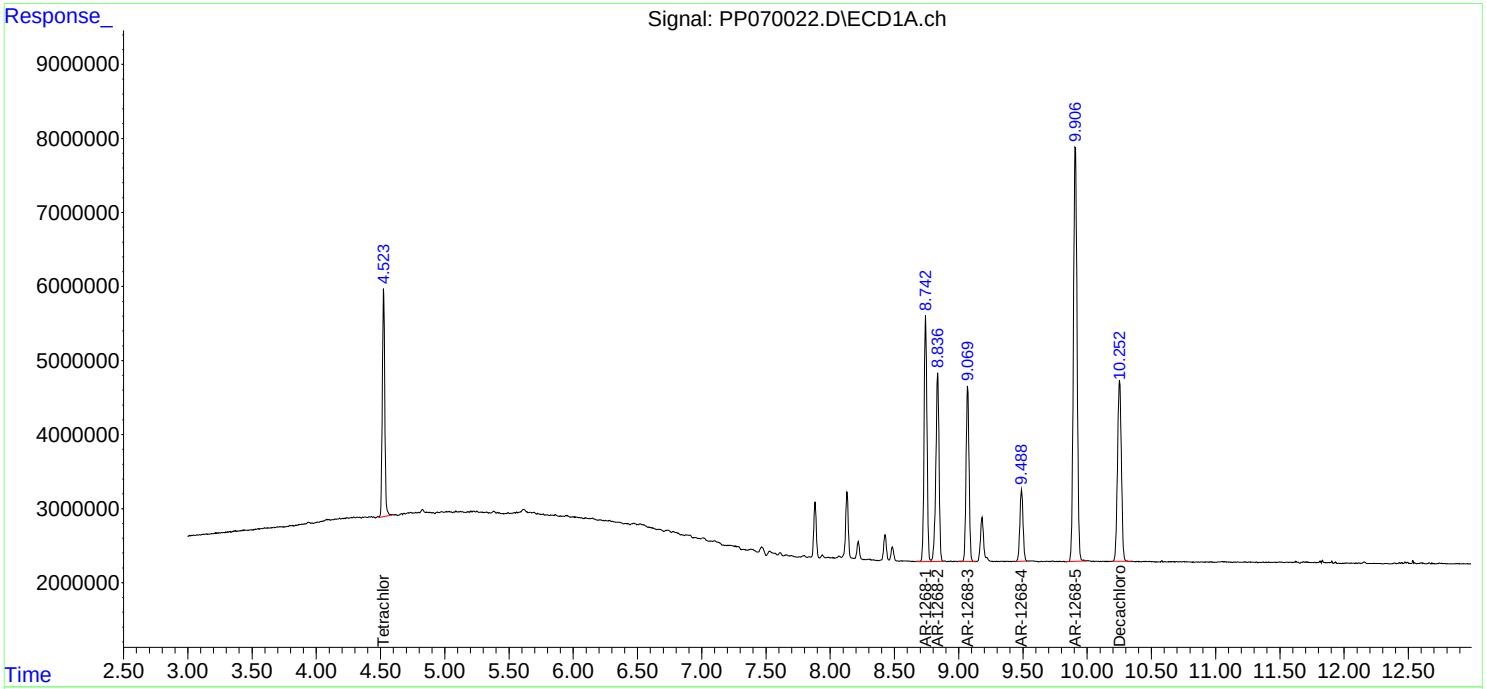
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

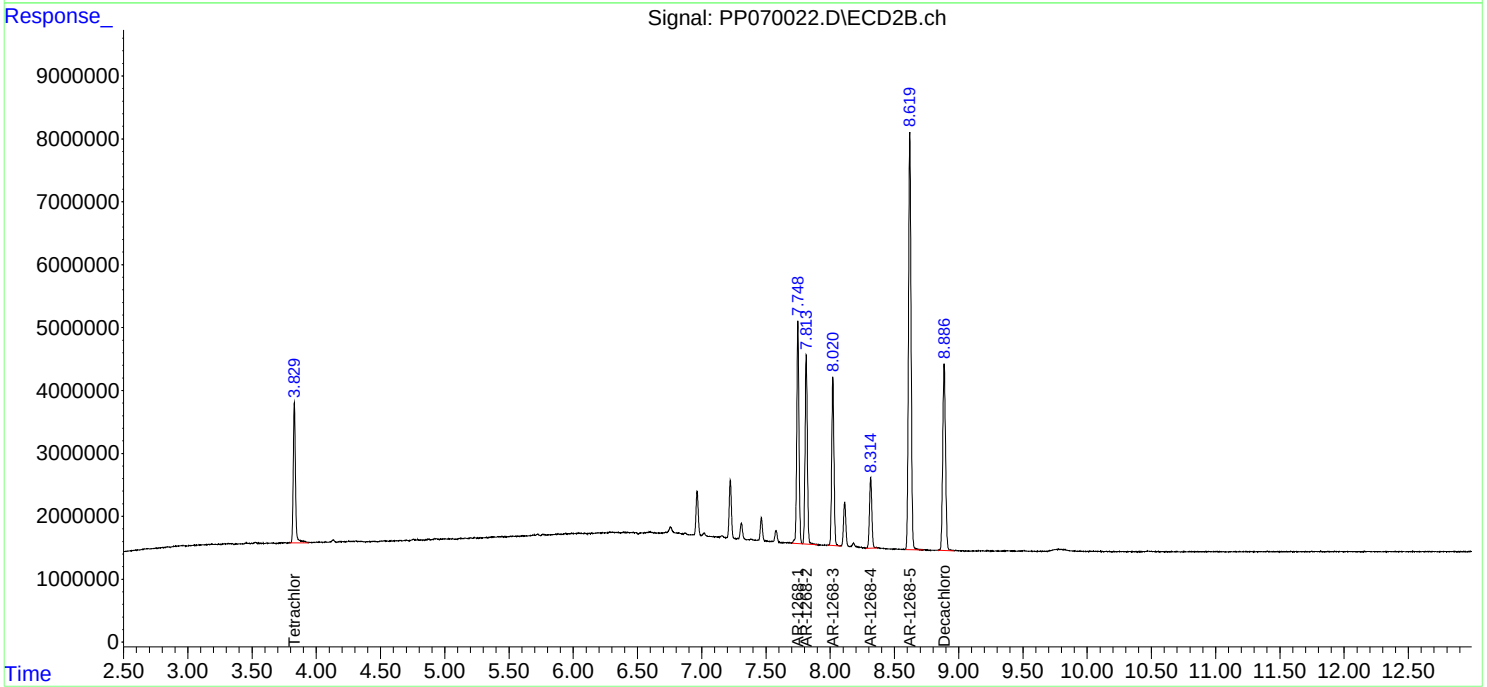
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:27:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 22:17
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:27:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.526	3.829	7085617	5173632	4.623m	5.195
2)	SA Decachlor...	10.255	8.887	9239297	9411578	4.821	5.580
	Target Compounds						
41)	L9 AR-1268-1	8.746	7.750	9340209	9030797	48.238	56.595
42)	L9 AR-1268-2	8.839	7.814	8000010	8230405	47.532	59.943 #
43)	L9 AR-1268-3	9.073	8.022	7004739	6374268	48.180	52.912
44)	L9 AR-1268-4	9.491	8.316	3012016	2704202	46.801	51.105
45)	L9 AR-1268-5	9.911	8.620	20088796	18338625	48.021	53.287

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 22:17
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

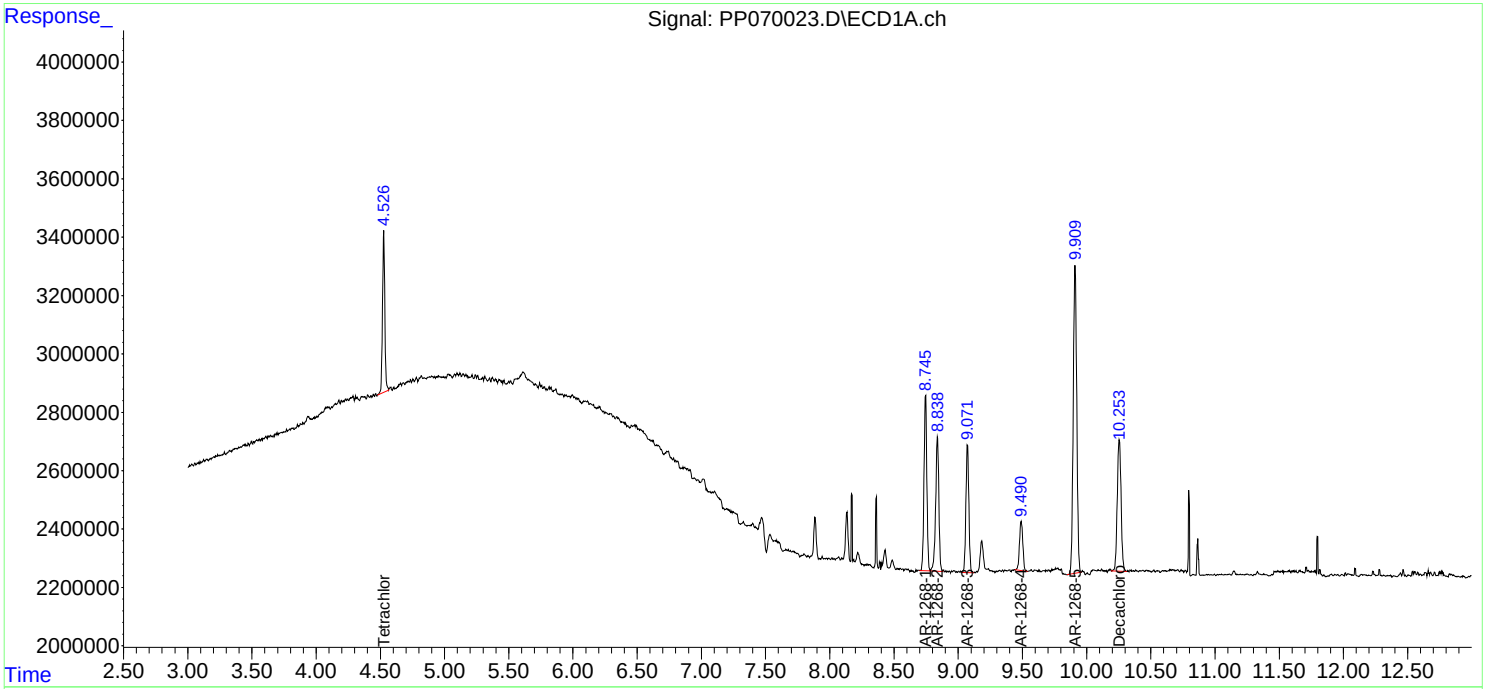
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

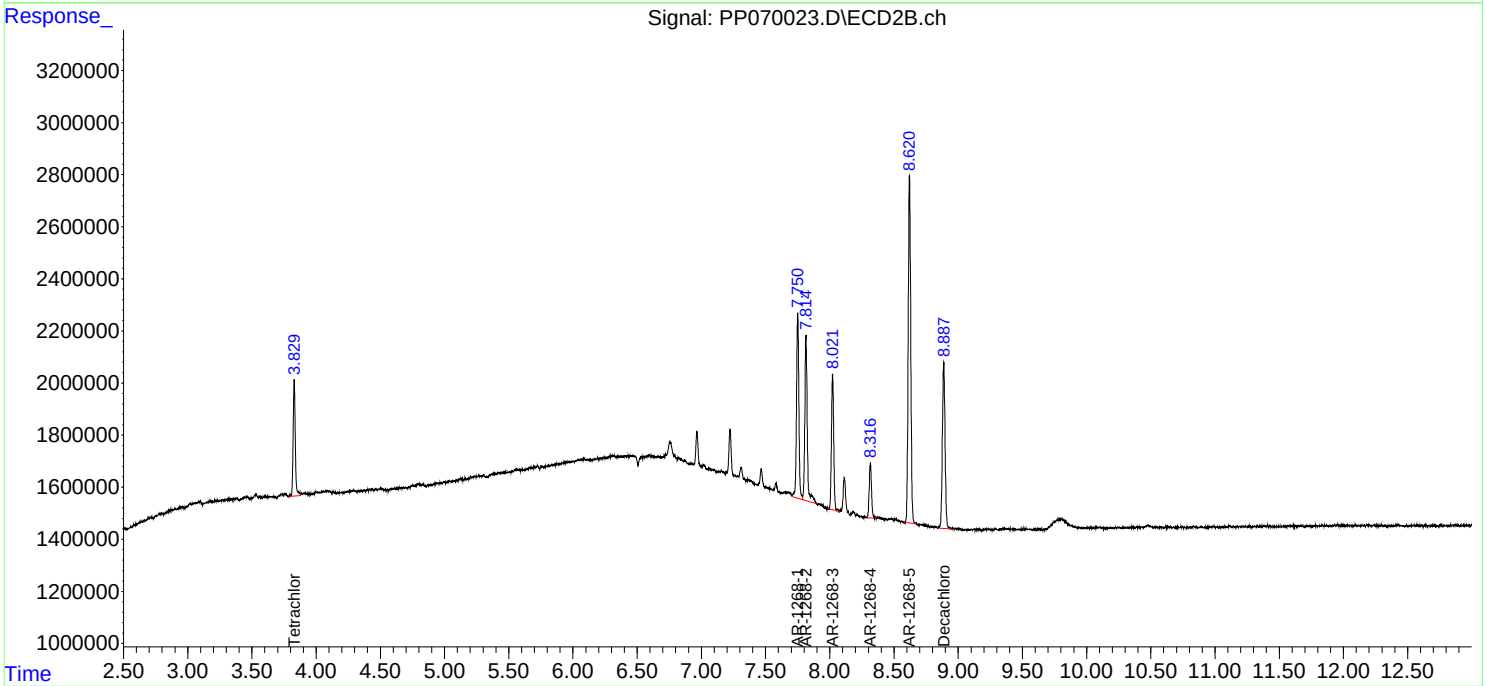
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:27:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 22:34
Operator : YP\AJ
Sample : PP022425ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:04:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.526	3.829	75692089	47027481	49.361	49.361
2)	SA Decachlor...	10.254	8.887	59599251	53753406	51.134	48.069
	Target Compounds						
3)	L1 AR-1016-1	5.679	4.919	25666490	16486171	513.653	490.851
4)	L1 AR-1016-2	5.701	4.938	36554541	22908896	500.808	487.588
5)	L1 AR-1016-3	5.763	5.115	22601401	12562885	500.618	486.627
6)	L1 AR-1016-4	5.861	5.157	18541854	10091335	493.666	490.219
7)	L1 AR-1016-5	6.154	5.372	17442261	12977068	511.983	489.029
31)	L7 AR-1260-1	7.274	6.410	30379600	25016847	511.537	504.877
32)	L7 AR-1260-2	7.527	6.598	40230175	33434416	498.436	516.595
33)	L7 AR-1260-3	7.886	6.753	32998196	28487900	515.501	497.510
34)	L7 AR-1260-4	8.110	7.225	32484934	24115126	514.479	496.042
35)	L7 AR-1260-5	8.431	7.466	68660770	59424903	509.333	496.894

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

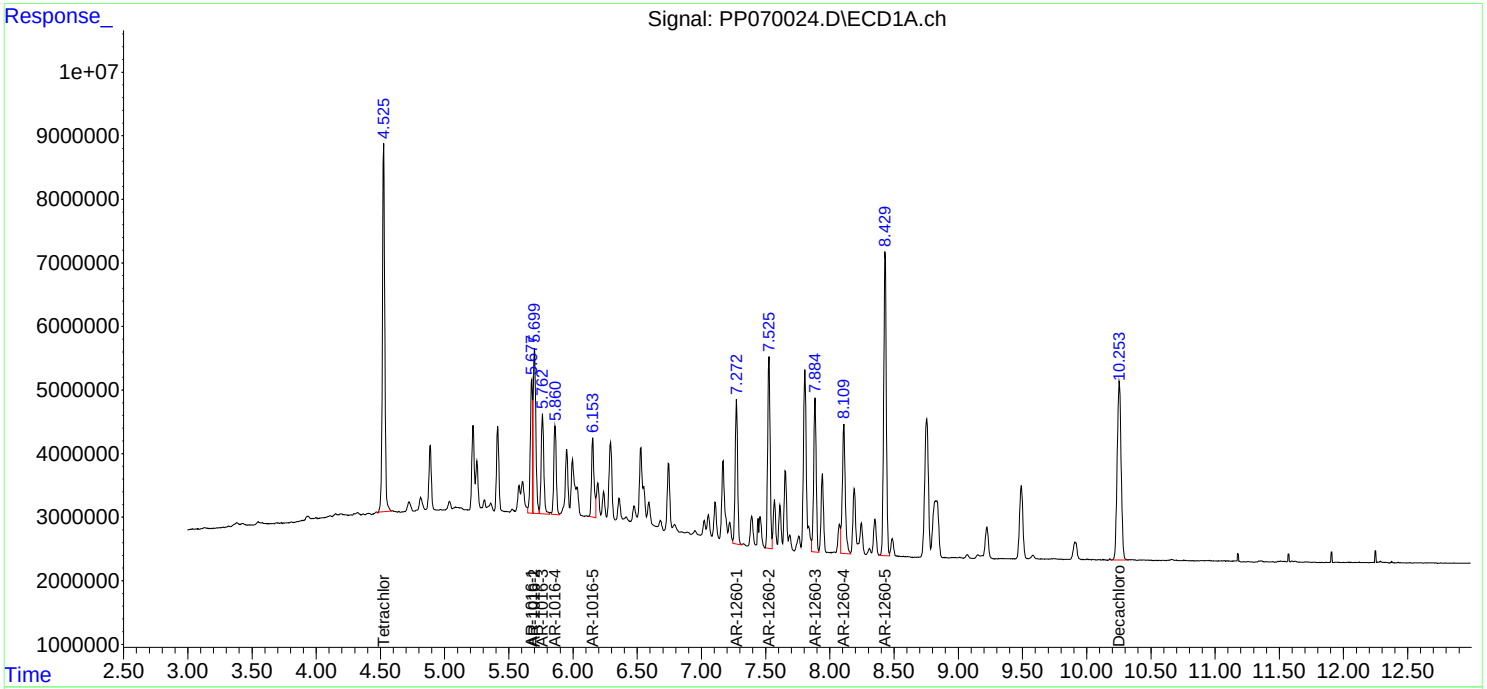
ICAL Form

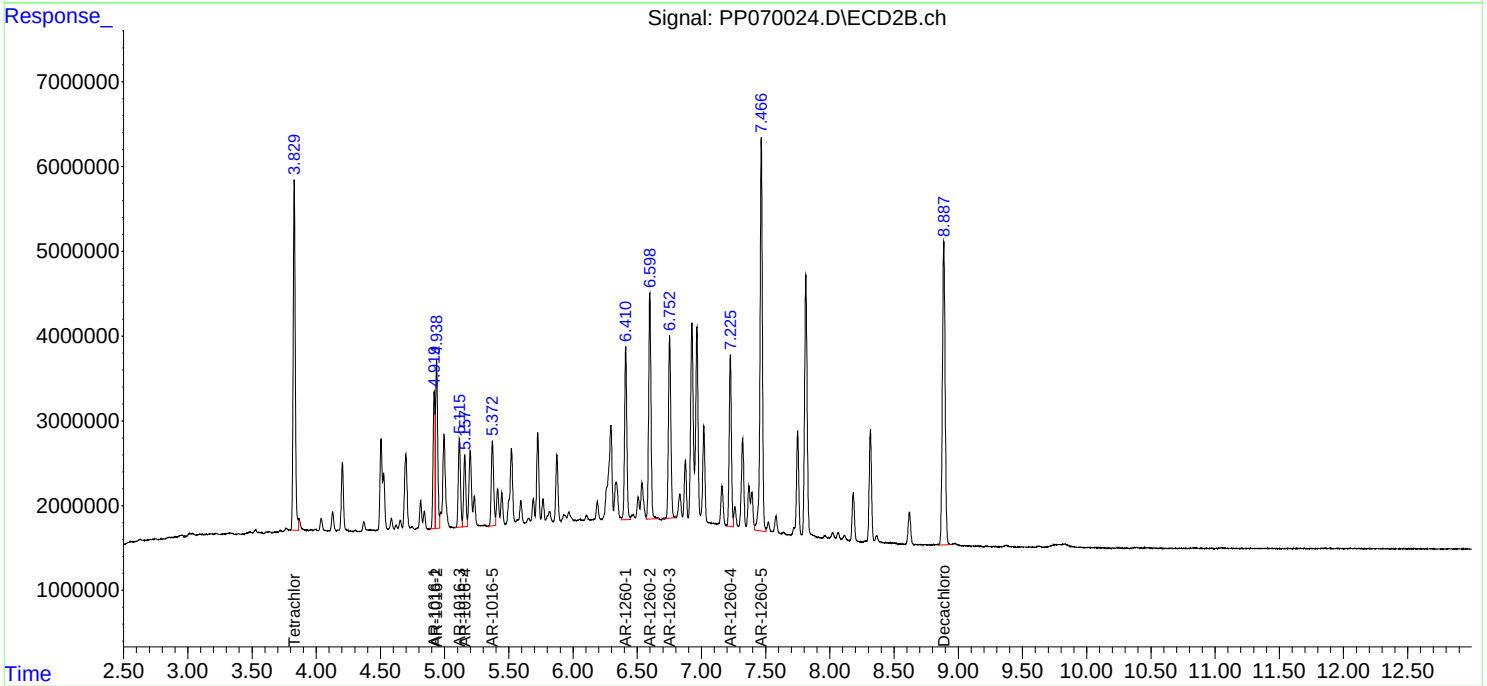
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 22:34
Operator : YP\AJ
Sample : PP022425ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:04:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 22:50
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:25:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.523	3.830	75972414	47320786	51.773	49.338
2)	SA Decachlor...	10.252	8.887	56608358	53341450	51.479	52.424
	Target Compounds						
16)	L4 AR-1242-1	5.677	4.920	21310655	14394025	512.686	516.871
17)	L4 AR-1242-2	5.698	4.939	30783100	19970694	510.256	518.182
18)	L4 AR-1242-3	5.760	5.116	19012156	11248595	493.459	535.720
19)	L4 AR-1242-4	5.858	5.200	15670837	10692666	489.437	535.480
20)	L4 AR-1242-5	6.589	5.726	18864781	13650655	532.456	517.735

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

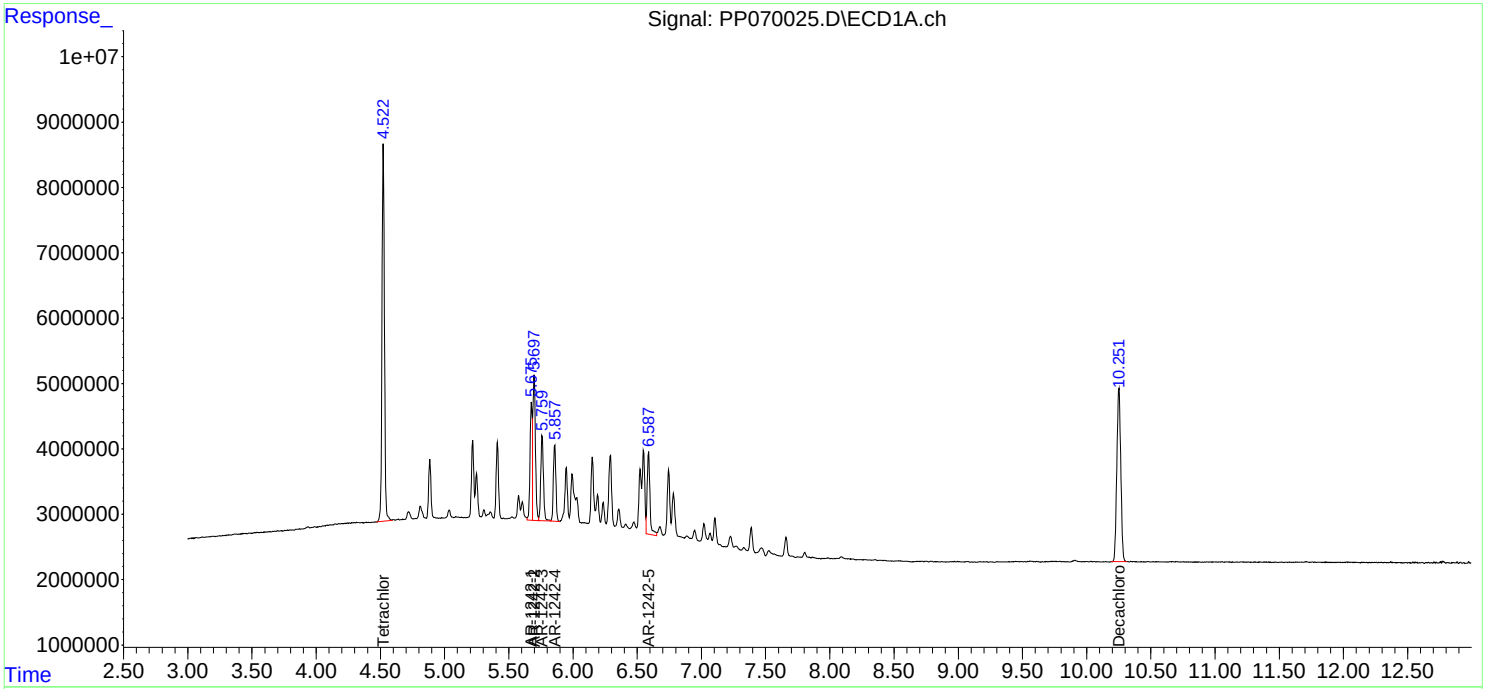
ICAL Form

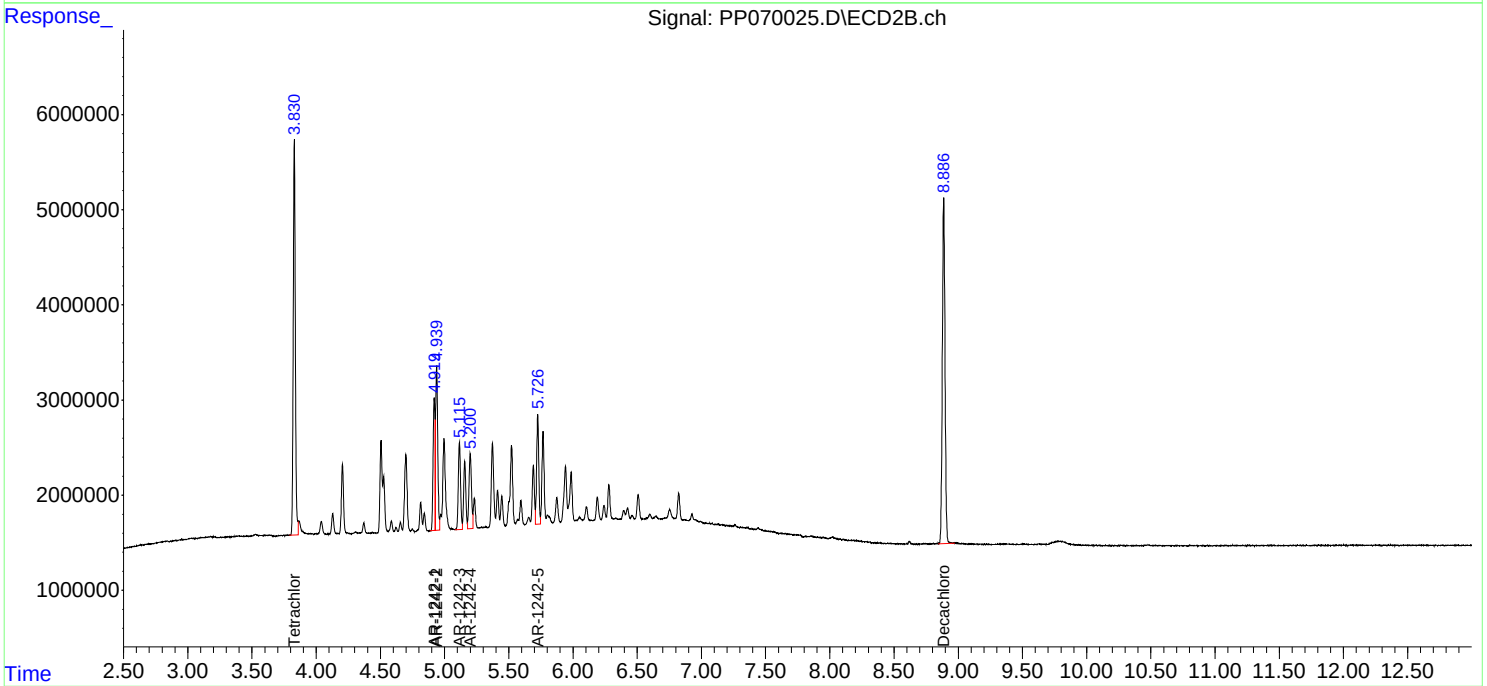
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 22:50
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:25:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 23:06
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:38:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:36:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.528	3.829	75407422	49577243	50.884	51.783
2)	SA Decachlor...	10.257	8.887	56421899	53068816	50.377	52.864
	Target Compounds						
21)	L5 AR-1248-1	5.681	4.919	16609396	11084604	510.131	500.246
22)	L5 AR-1248-2	5.953	5.158	21925878	14571155	511.519	502.749
23)	L5 AR-1248-3	6.156	5.200	23880559	15235962	508.659	506.377
24)	L5 AR-1248-4	6.555	5.372	29754915	17720481	507.412	502.198
25)	L5 AR-1248-5	6.594	5.767	29363962	18130727	516.110	502.371

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

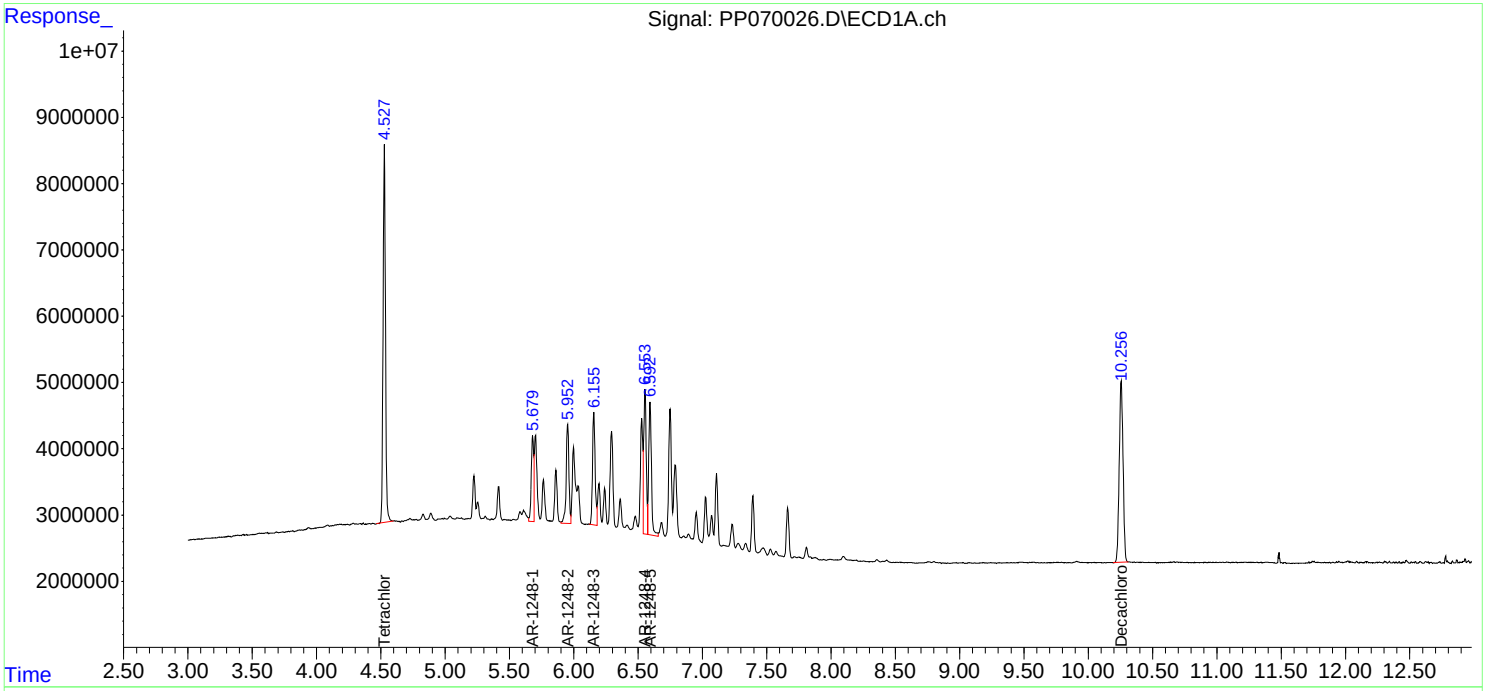
ICAL Form

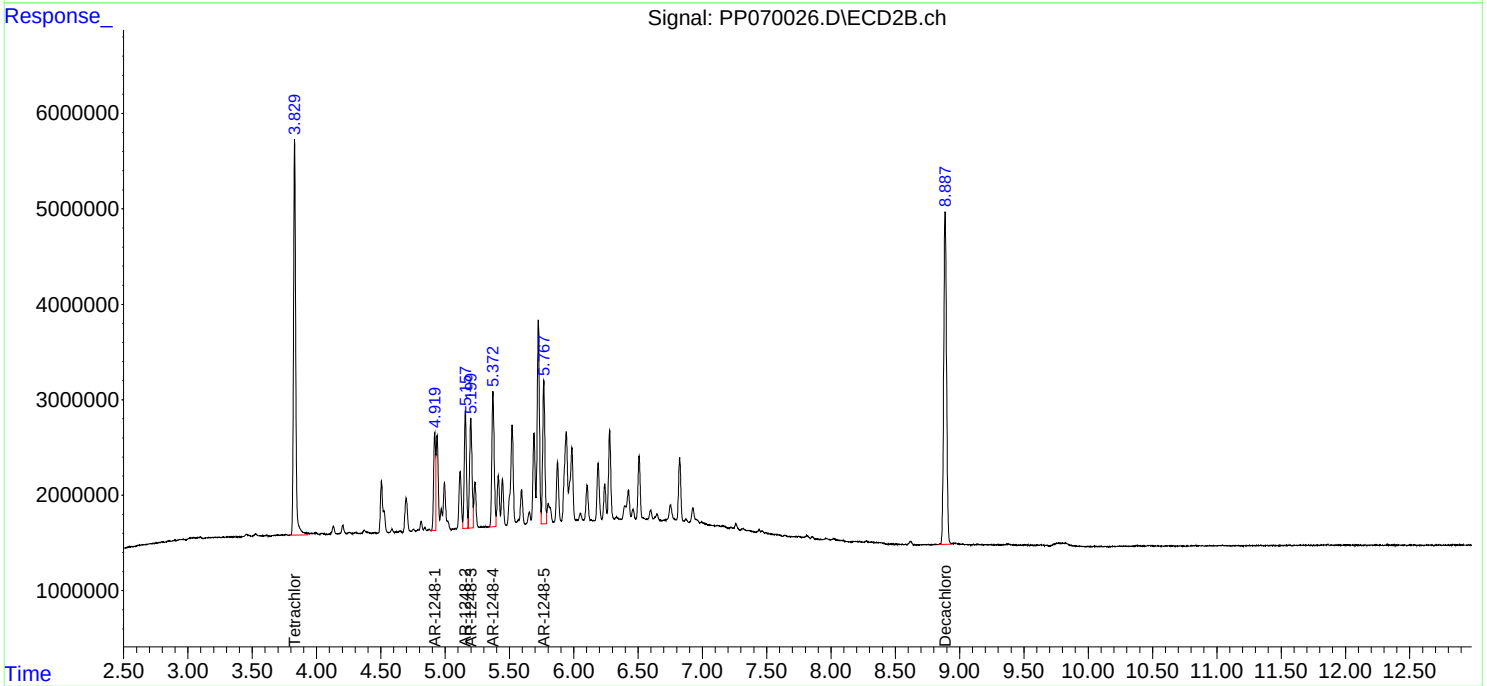
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 23:06
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:38:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:36:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 23:22
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:03:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.526	3.830	77660625	50969132	49.934	51.404
2)	SA Decachlor...	10.253	8.887	58837660	53434810	48.156	46.645
	Target Compounds						
26)	L6 AR-1254-1	6.529	5.726	31650110	27652735	522.088	495.991
27)	L6 AR-1254-2	6.745	5.874	43660673	24645815	501.928	497.108
28)	L6 AR-1254-3	7.107	6.279	44651363	38791765	509.477	491.774
29)	L6 AR-1254-4	7.389	6.507	36312560	25589145	494.362	471.693
30)	L6 AR-1254-5	7.806	6.926	35741699	34549263	513.376	475.252

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

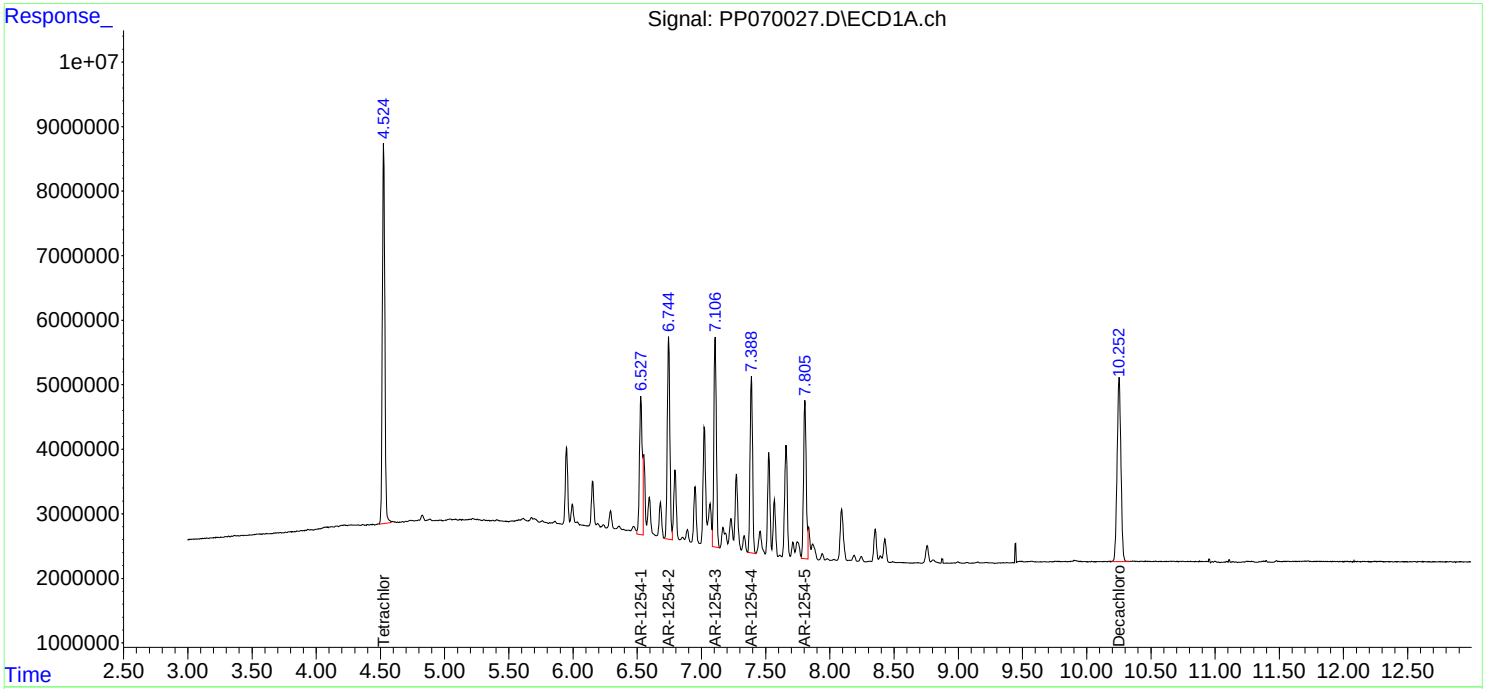
ICAL Form

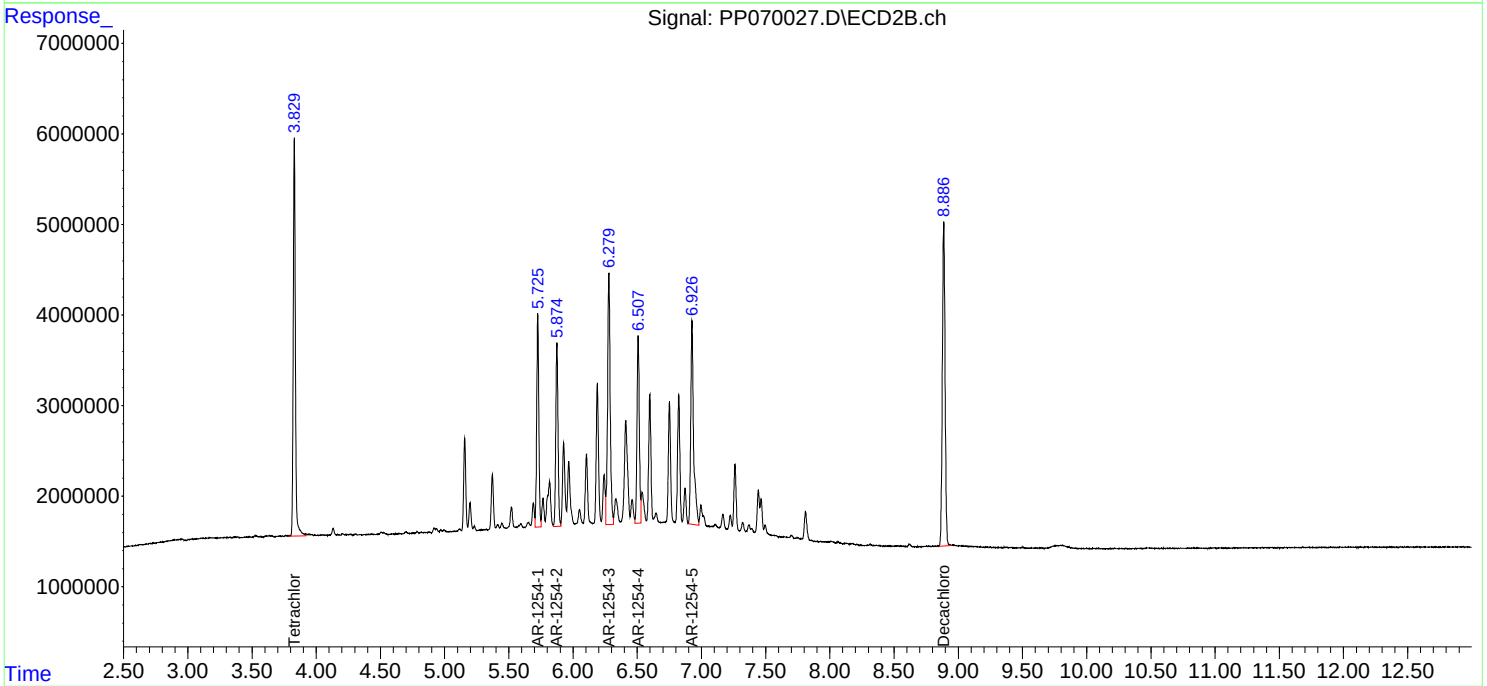
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 23:22
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:03:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 23:38
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:27:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.526	3.829	79556222	51523954	51.906	51.737
2)	SA Decachlor...	10.255	8.886	98980120	88220218	51.646	52.301
	Target Compounds						
41)	L9 AR-1268-1	8.746	7.749	100.1E6	81097492	517.146	508.228
42)	L9 AR-1268-2	8.840	7.814	87134429	69999398	517.710	509.812
43)	L9 AR-1268-3	9.073	8.021	75244319	62177289	517.546	516.121
44)	L9 AR-1268-4	9.492	8.315	33263949	27975062	516.861	528.688
45)	L9 AR-1268-5	9.911	8.620	214.3E6	189.4E6	512.185	550.447

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

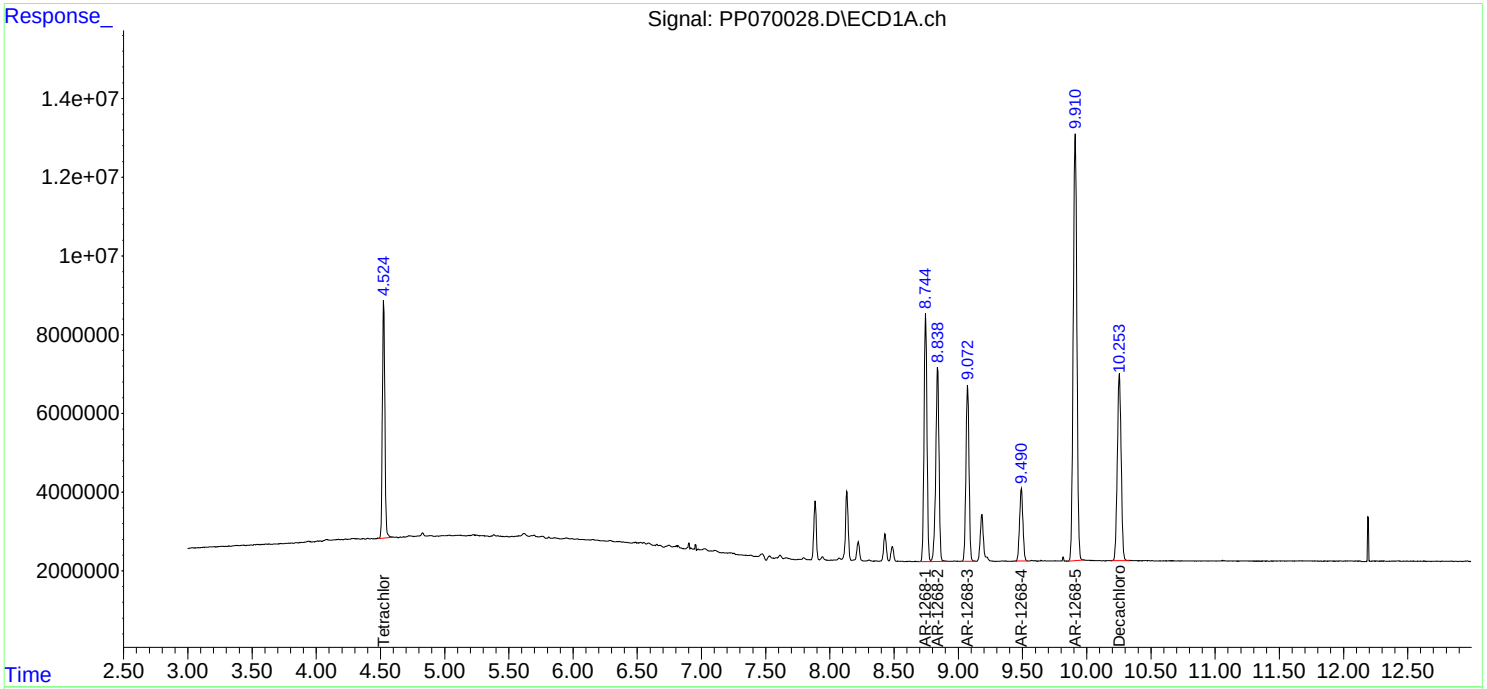
ICAL Form

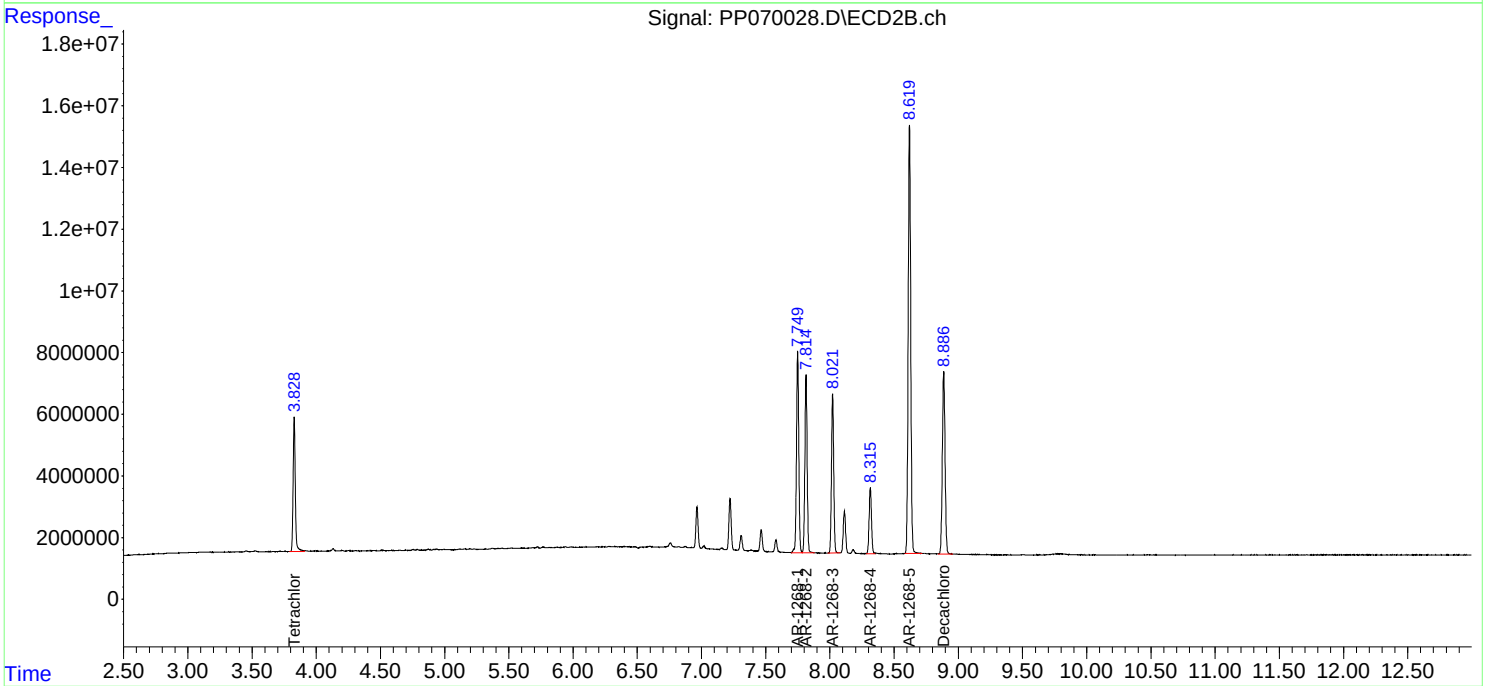
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 23:38
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:27:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PP070390.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** Q1523 **SAS No.:** Q1523 **SDG NO.:** Q1523

Continuing Calib Date: 03/10/2025 **Initial Calibration Date(s):** 02/24/2025 02/24/2025

Continuing Calib Time: 10:07 **Initial Calibration Time(s):** 14:59 22:17

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.67	5.68	5.58	5.78	0.01
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.77	5.67	5.87	0.01
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.16	6.06	6.26	0.01
Aroclor-1260-1	(1)	7.27	7.28	7.18	7.38	0.01
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.89	7.79	7.99	0.01
Aroclor-1260-4	(4)	8.10	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.43	8.43	8.33	8.53	0.00
Tetrachloro-m-xylene		4.52	4.53	4.43	4.63	0.01
Decachlorobiphenyl		10.25	10.26	10.16	10.36	0.01

Raw Data: **PP070390.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** Q1523 **SAS No.:** Q1523 **SDG NO.:** Q1523

Continuing Calib Date: 03/10/2025 **Initial Calibration Date(s):** 02/24/2025 02/24/2025

Continuing Calib Time: 10:07 **Initial Calibration Time(s):** 14:59 22:17

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-4	(4)	5.15	5.16	5.06	5.26	0.01
Aroclor-1016-5	(5)	5.37	5.37	5.27	5.47	0.00
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.75	6.75	6.65	6.85	0.00
Aroclor-1260-4	(4)	7.22	7.23	7.13	7.33	0.01
Aroclor-1260-5	(5)	7.46	7.47	7.37	7.57	0.01
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.88	8.89	8.79	8.99	0.01

Raw Data: **PP070390.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** Q1523 **SAS No.:** Q1523 **SDG NO.:** Q1523

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/24/2025 02/24/2025

Client Sample No.: CCAL01 **Date Analyzed:** 03/10/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070390.D **Time Analyzed:** 10:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.674	5.581	5.781	481.290	500.000	-3.7
Aroclor-1016-2	5.695	5.602	5.802	489.770	500.000	-2.0
Aroclor-1016-3	5.758	5.665	5.865	477.730	500.000	-4.5
Aroclor-1016-4	5.855	5.762	5.962	481.650	500.000	-3.7
Aroclor-1016-5	6.148	6.056	6.256	472.030	500.000	-5.6
Aroclor-1260-1	7.267	7.175	7.375	489.800	500.000	-2.0
Aroclor-1260-2	7.521	7.429	7.629	480.310	500.000	-3.9
Aroclor-1260-3	7.880	7.788	7.988	516.150	500.000	3.2
Aroclor-1260-4	8.104	8.012	8.212	513.440	500.000	2.7
Aroclor-1260-5	8.425	8.333	8.533	511.510	500.000	2.3
Decachlorobiphenyl	10.247	10.156	10.356	49.160	50.000	-1.7
Tetrachloro-m-xylene	4.521	4.427	4.627	53.520	50.000	7.0

Raw Data: **PP070390.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** Q1523 **SAS No.:** Q1523 **SDG NO.:** Q1523

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/24/2025 02/24/2025

Client Sample No.: CCAL01 **Date Analyzed:** 03/10/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070390.D **Time Analyzed:** 10:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.914	4.820	5.020	511.470	500.000	2.3
Aroclor-1016-2	4.934	4.839	5.039	512.410	500.000	2.5
Aroclor-1016-3	5.111	5.017	5.217	526.910	500.000	5.4
Aroclor-1016-4	5.152	5.058	5.258	527.990	500.000	5.6
Aroclor-1016-5	5.367	5.273	5.473	527.290	500.000	5.5
Aroclor-1260-1	6.404	6.312	6.512	473.690	500.000	-5.3
Aroclor-1260-2	6.592	6.500	6.700	473.400	500.000	-5.3
Aroclor-1260-3	6.746	6.654	6.854	442.220	500.000	-11.6
Aroclor-1260-4	7.218	7.126	7.326	515.020	500.000	3.0
Aroclor-1260-5	7.460	7.367	7.567	525.520	500.000	5.1
Decachlorobiphenyl	8.878	8.788	8.988	48.040	50.000	-3.9
Tetrachloro-m-xylene	3.827	3.730	3.930	51.950	50.000	3.9

Quantitation Report (QT Reviewed)

Sample Results: **PP070390.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070390.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 10:07
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 11:14:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.521	3.827	78545595	49667011	53.519	51.951
2)	SA Decachlor...	10.247	8.878	55995208	52078429	49.160	48.038
	Target Compounds						
3)	L1 AR-1016-1	5.674	4.914	23980629	17082313	481.286	511.468
4)	L1 AR-1016-2	5.695	4.934	34664749	23875433	489.768	512.412
5)	L1 AR-1016-3	5.758	5.111	20983178	13189872	477.733	526.912
6)	L1 AR-1016-4	5.855	5.152	17465209	10597142	481.648	527.991
7)	L1 AR-1016-5	6.148	5.367	15831292	13681438	472.033	527.293
31)	L7 AR-1260-1	7.267	6.404	28584462	23466151	489.796	473.688
32)	L7 AR-1260-2	7.521	6.592	39253661	30970039	480.312	473.402
33)	L7 AR-1260-3	7.880	6.746	32393844	26675692	516.146	442.221
34)	L7 AR-1260-4	8.104	7.218	32552733	25167904	513.442	515.025
35)	L7 AR-1260-5	8.425	7.460	67102437	62628801	511.511	525.520

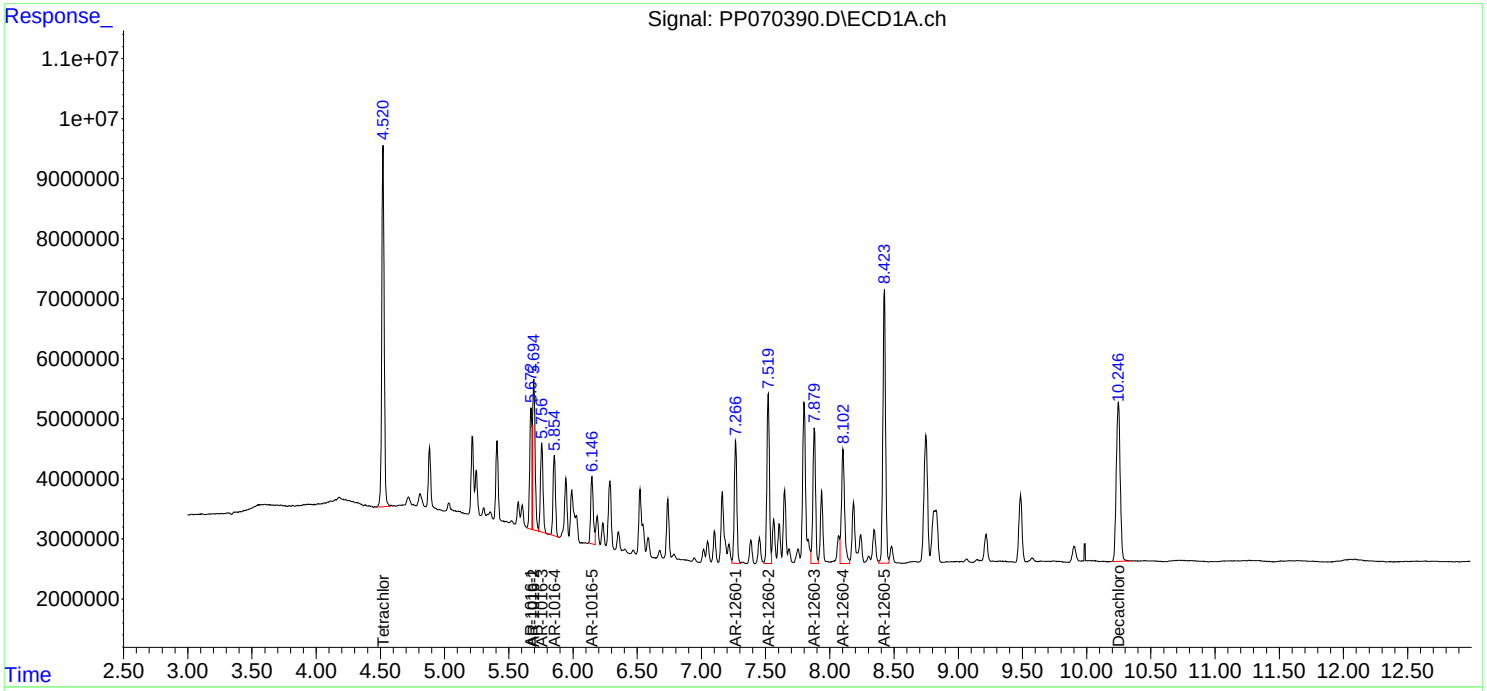
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

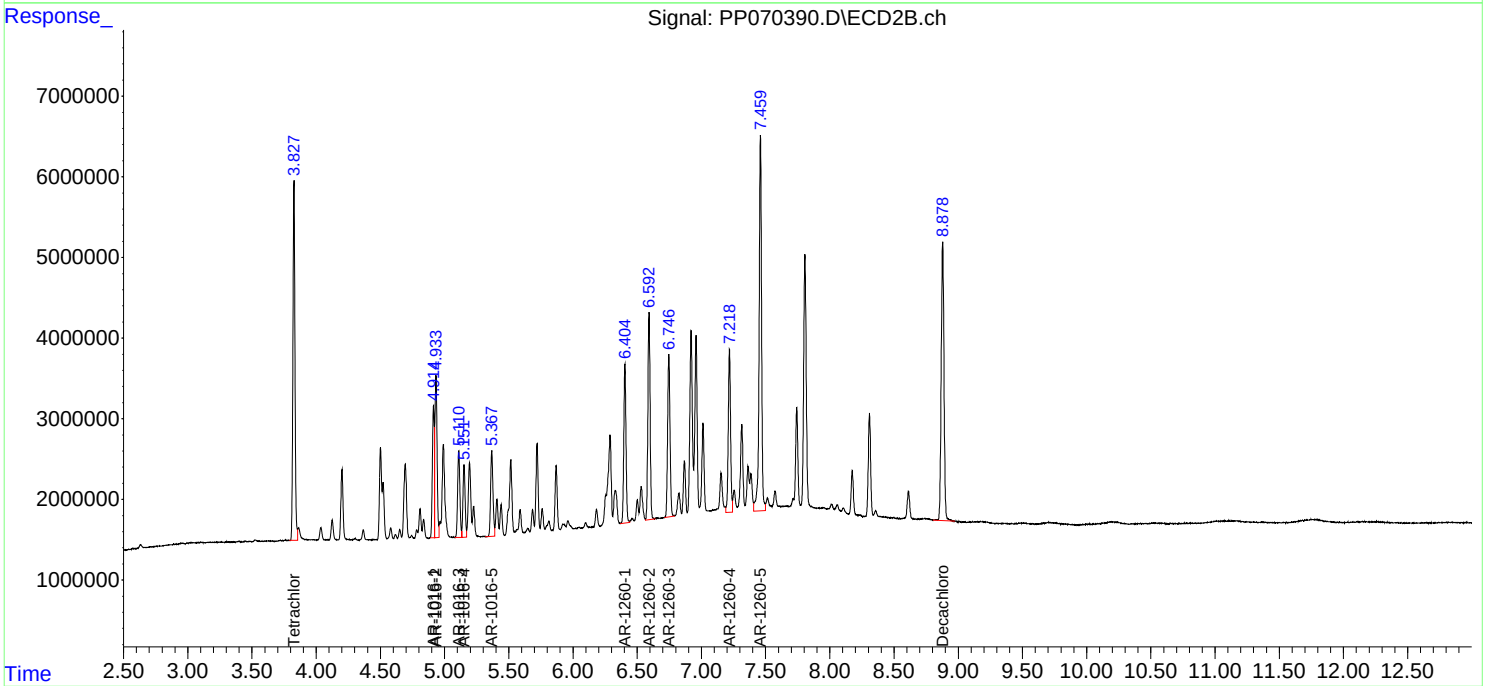
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070390.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 10:07
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 11:14:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PP070405.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** Q1523 **SAS No.:** Q1523 **SDG NO.:** Q1523

Continuing Calib Date: 03/10/2025 **Initial Calibration Date(s):** 02/24/2025 02/24/2025

Continuing Calib Time: 16:43 **Initial Calibration Time(s):** 14:59 22:17

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.77	5.67	5.87	0.01
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.16	6.06	6.26	0.01
Aroclor-1260-1	(1)	7.27	7.28	7.18	7.38	0.01
Aroclor-1260-2	(2)	7.53	7.53	7.43	7.63	0.00
Aroclor-1260-3	(3)	7.88	7.89	7.79	7.99	0.01
Aroclor-1260-4	(4)	8.11	8.11	8.01	8.21	0.00
Aroclor-1260-5	(5)	8.43	8.43	8.33	8.53	0.00
Tetrachloro-m-xylene		4.53	4.53	4.43	4.63	0.00
Decachlorobiphenyl		10.25	10.26	10.16	10.36	0.01

Raw Data: **PP070405.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** Q1523 **SAS No.:** Q1523 **SDG NO.:** Q1523

Continuing Calib Date: 03/10/2025 **Initial Calibration Date(s):** 02/24/2025 02/24/2025

Continuing Calib Time: 16:43 **Initial Calibration Time(s):** 14:59 22:17

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-2	(2)	4.94	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-4	(4)	5.15	5.16	5.06	5.26	0.01
Aroclor-1016-5	(5)	5.37	5.37	5.27	5.47	0.00
Aroclor-1260-1	(1)	6.41	6.41	6.31	6.51	0.00
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.75	6.75	6.65	6.85	0.00
Aroclor-1260-4	(4)	7.22	7.23	7.13	7.33	0.01
Aroclor-1260-5	(5)	7.46	7.47	7.37	7.57	0.01
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.88	8.89	8.79	8.99	0.01

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** Q1523 **SAS No.:** Q1523 **SDG NO.:** Q1523

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/24/2025 02/24/2025

Client Sample No.: CCAL02 **Date Analyzed:** 03/10/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070405.D **Time Analyzed:** 16:43

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.679	5.581	5.781	488.210	500.000	-2.4
Aroclor-1016-2	5.700	5.602	5.802	504.420	500.000	0.9
Aroclor-1016-3	5.762	5.665	5.865	495.430	500.000	-0.9
Aroclor-1016-4	5.860	5.762	5.962	506.450	500.000	1.3
Aroclor-1016-5	6.153	6.056	6.256	486.120	500.000	-2.8
Aroclor-1260-1	7.272	7.175	7.375	504.470	500.000	0.9
Aroclor-1260-2	7.526	7.429	7.629	487.930	500.000	-2.4
Aroclor-1260-3	7.884	7.788	7.988	517.560	500.000	3.5
Aroclor-1260-4	8.109	8.012	8.212	503.790	500.000	0.8
Aroclor-1260-5	8.430	8.333	8.533	515.840	500.000	3.2
Decachlorobiphenyl	10.251	10.156	10.356	49.920	50.000	-0.2
Tetrachloro-m-xylene	4.526	4.427	4.627	53.440	50.000	6.9

Raw Data: **PP070405.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** Q1523 **SAS No.:** Q1523 **SDG NO.:** Q1523

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/24/2025 02/24/2025

Client Sample No.: CCAL02 **Date Analyzed:** 03/10/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070405.D **Time Analyzed:** 16:43

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.916	4.820	5.020	513.420	500.000	2.7
Aroclor-1016-2	4.935	4.839	5.039	522.180	500.000	4.4
Aroclor-1016-3	5.112	5.017	5.217	542.360	500.000	8.5
Aroclor-1016-4	5.154	5.058	5.258	534.590	500.000	6.9
Aroclor-1016-5	5.369	5.273	5.473	557.910	500.000	11.6
Aroclor-1260-1	6.407	6.312	6.512	494.030	500.000	-1.2
Aroclor-1260-2	6.594	6.500	6.700	498.340	500.000	-0.3
Aroclor-1260-3	6.748	6.654	6.854	466.270	500.000	-6.7
Aroclor-1260-4	7.220	7.126	7.326	532.470	500.000	6.5
Aroclor-1260-5	7.461	7.367	7.567	551.860	500.000	10.4
Decachlorobiphenyl	8.880	8.788	8.988	48.620	50.000	-2.8
Tetrachloro-m-xylene	3.829	3.730	3.930	53.060	50.000	6.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 16:43
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 16:57:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.526	3.829	78422984	50728508	53.435	53.061
2)	SA Decachlor...	10.251	8.880	56866089	52707205	49.925	48.618
	Target Compounds						
3)	L1 AR-1016-1	5.679	4.916	24325700	17147480	488.211	513.419
4)	L1 AR-1016-2	5.700	4.935	35702075	24330513	504.424	522.178
5)	L1 AR-1016-3	5.762	5.112	21760525	13576526	495.431	542.358
6)	L1 AR-1016-4	5.860	5.154	18364437	10729650	506.446	534.593
7)	L1 AR-1016-5	6.153	5.369	16303628	14475850	486.116	557.910
31)	L7 AR-1260-1	7.272	6.407	29440612	24473732	504.466	494.027
32)	L7 AR-1260-2	7.526	6.594	39876125	32601708	487.929	498.344
33)	L7 AR-1260-3	7.884	6.748	32482321	28126219	517.555	466.267
34)	L7 AR-1260-4	8.109	7.220	31940642	26020610	503.788	532.474
35)	L7 AR-1260-5	8.430	7.461	67669900	65767902	515.837	551.861

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

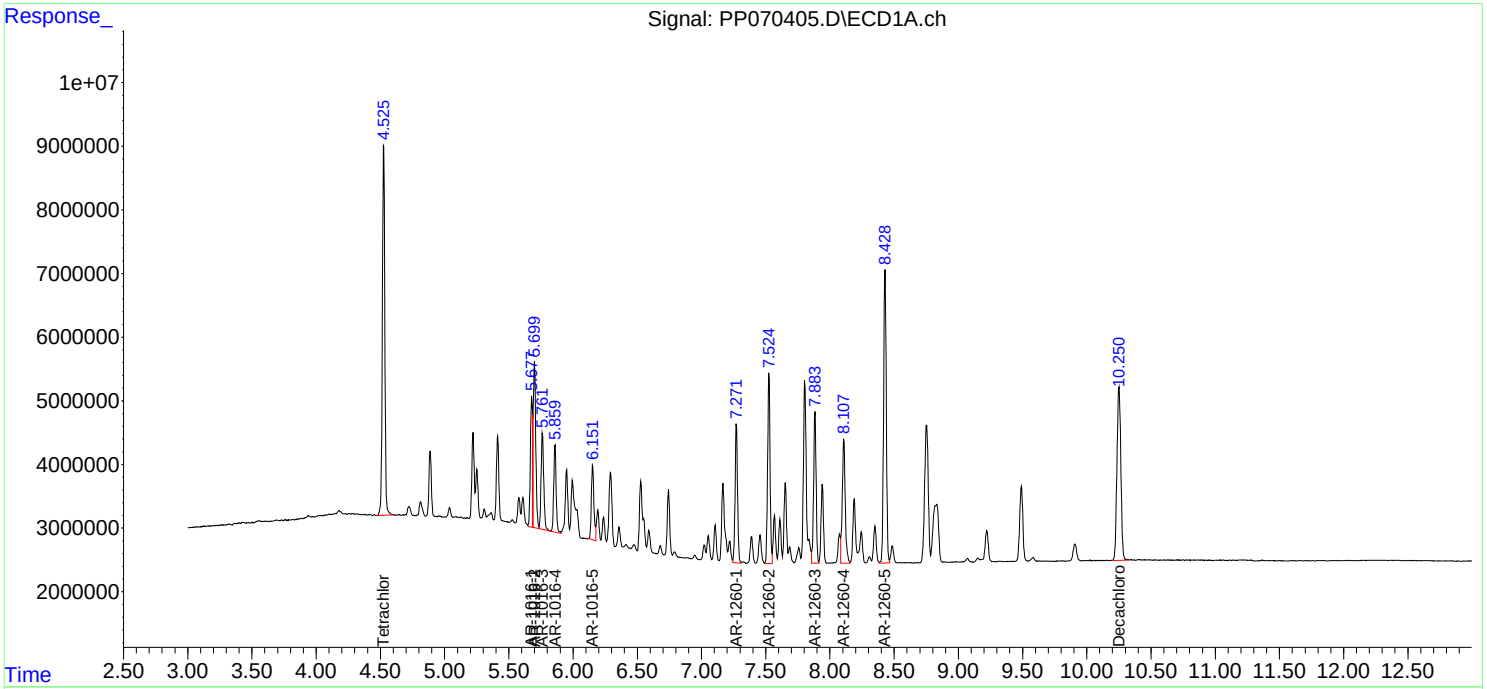
Sample Results: **PP070405.D**

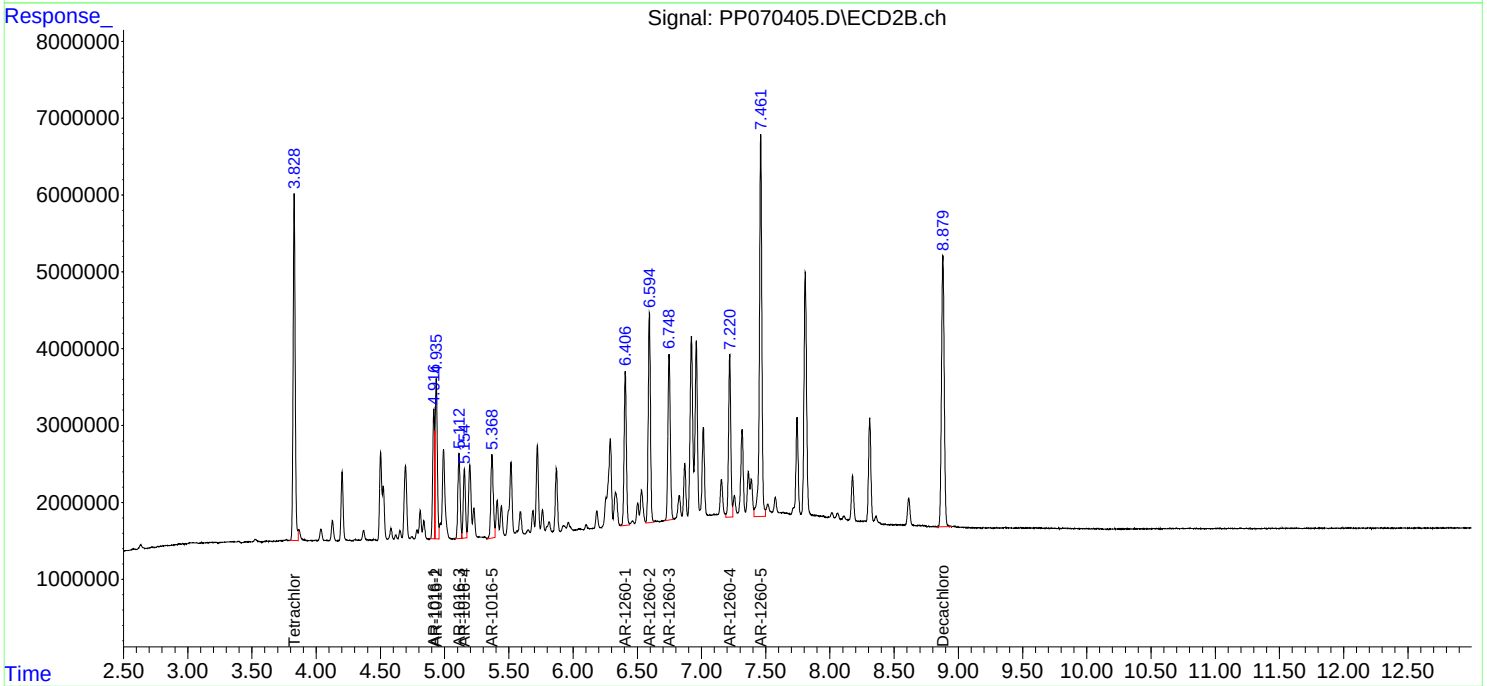
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 16:43
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 16:57:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

Analytical Sequence

Client: ENTACT **SDG No.:** Q1523

Project: 540 Degraw St, Brooklyn, NY - E9309 **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 02/24/2025 02/24/2025

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 #
I.BLK	I.BLK	02/24/2025	14:43	PP069995.D	10.25	4.53
AR1660ICC1000	AR1660ICC1000	02/24/2025	14:59	PP069996.D	10.25	4.52
AR1660ICC750	AR1660ICC750	02/24/2025	15:15	PP069997.D	10.26	4.53
AR1660ICC500	AR1660ICC500	02/24/2025	15:32	PP069998.D	10.26	4.53
AR1660ICC250	AR1660ICC250	02/24/2025	15:48	PP069999.D	10.25	4.52
AR1660ICC050	AR1660ICC050	02/24/2025	16:04	PP070000.D	10.26	4.53
AR1221ICC500	AR1221ICC500	02/24/2025	16:20	PP070001.D	10.25	4.52
AR1232ICC500	AR1232ICC500	02/24/2025	16:37	PP070002.D	10.26	4.53
AR1242ICC1000	AR1242ICC1000	02/24/2025	16:53	PP070003.D	10.26	4.53
AR1242ICC750	AR1242ICC750	02/24/2025	17:09	PP070004.D	10.25	4.52
AR1242ICC500	AR1242ICC500	02/24/2025	17:25	PP070005.D	10.26	4.53
AR1242ICC250	AR1242ICC250	02/24/2025	17:42	PP070006.D	10.25	4.53
AR1242ICC050	AR1242ICC050	02/24/2025	17:58	PP070007.D	10.26	4.53
AR1248ICC1000	AR1248ICC1000	02/24/2025	18:14	PP070008.D	10.26	4.53
AR1248ICC750	AR1248ICC750	02/24/2025	18:30	PP070009.D	10.26	4.53
AR1248ICC500	AR1248ICC500	02/24/2025	18:46	PP070010.D	10.26	4.53
AR1248ICC250	AR1248ICC250	02/24/2025	19:03	PP070011.D	10.26	4.53
AR1248ICC050	AR1248ICC050	02/24/2025	19:19	PP070012.D	10.25	4.52
AR1254ICC1000	AR1254ICC1000	02/24/2025	19:35	PP070013.D	10.26	4.53
AR1254ICC750	AR1254ICC750	02/24/2025	19:51	PP070014.D	10.25	4.52
AR1254ICC500	AR1254ICC500	02/24/2025	20:08	PP070015.D	10.26	4.53
AR1254ICC250	AR1254ICC250	02/24/2025	20:24	PP070016.D	10.26	4.53
AR1254ICC050	AR1254ICC050	02/24/2025	20:40	PP070017.D	10.26	4.52
AR1262ICC500	AR1262ICC500	02/24/2025	20:56	PP070018.D	10.25	4.53
AR1268ICC1000	AR1268ICC1000	02/24/2025	21:12	PP070019.D	10.25	4.52
AR1268ICC750	AR1268ICC750	02/24/2025	21:29	PP070020.D	10.25	4.53
AR1268ICC500	AR1268ICC500	02/24/2025	21:45	PP070021.D	10.26	4.53
AR1268ICC250	AR1268ICC250	02/24/2025	22:01	PP070022.D	10.25	4.52
AR1268ICC050	AR1268ICC050	02/24/2025	22:17	PP070023.D	10.26	4.53
AR1660CCC500	AR1660CCC500	03/10/2025	10:07	PP070390.D	10.25	4.52
I.BLK	I.BLK	03/10/2025	11:12	PP070394.D	10.25	4.53
PB167043BL	PB167043BL	03/10/2025	13:28	PP070395.D	10.25	4.53
PB167043BS	PB167043BS	03/10/2025	13:44	PP070396.D	10.25	4.52
WC-A1-01-C	Q1523-02	03/10/2025	14:01	PP070397.D	10.25	4.52
WC-A1-01-CMS	Q1523-02MS	03/10/2025	14:17	PP070398.D	10.25	4.52
WC-A1-01-CMSD	Q1523-02MSD	03/10/2025	14:33	PP070399.D	10.25	4.52
WC-A1-02-C	Q1523-05	03/10/2025	14:49	PP070400.D	10.25	4.52
AR1660CCC500	AR1660CCC500	03/10/2025	16:43	PP070405.D	10.25	4.53
I.BLK	I.BLK	03/10/2025	17:48	PP070409.D	10.25	4.53

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

Analytical Sequence

Client: ENTACT **SDG No.:** Q1523

Project: 540 Degraw St, Brooklyn, NY - E9309 **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 02/24/2025 02/24/2025

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 #
I.BLK	I.BLK	02/24/2025	14:43	PP069995.D	8.89	3.83
AR1660ICC1000	AR1660ICC1000	02/24/2025	14:59	PP069996.D	8.89	3.83
AR1660ICC750	AR1660ICC750	02/24/2025	15:15	PP069997.D	8.89	3.83
AR1660ICC500	AR1660ICC500	02/24/2025	15:32	PP069998.D	8.89	3.83
AR1660ICC250	AR1660ICC250	02/24/2025	15:48	PP069999.D	8.89	3.83
AR1660ICC050	AR1660ICC050	02/24/2025	16:04	PP070000.D	8.89	3.83
AR1221ICC500	AR1221ICC500	02/24/2025	16:20	PP070001.D	8.89	3.83
AR1232ICC500	AR1232ICC500	02/24/2025	16:37	PP070002.D	8.89	3.83
AR1242ICC1000	AR1242ICC1000	02/24/2025	16:53	PP070003.D	8.89	3.83
AR1242ICC750	AR1242ICC750	02/24/2025	17:09	PP070004.D	8.89	3.83
AR1242ICC500	AR1242ICC500	02/24/2025	17:25	PP070005.D	8.89	3.83
AR1242ICC250	AR1242ICC250	02/24/2025	17:42	PP070006.D	8.89	3.83
AR1242ICC050	AR1242ICC050	02/24/2025	17:58	PP070007.D	8.89	3.83
AR1248ICC1000	AR1248ICC1000	02/24/2025	18:14	PP070008.D	8.89	3.83
AR1248ICC750	AR1248ICC750	02/24/2025	18:30	PP070009.D	8.89	3.83
AR1248ICC500	AR1248ICC500	02/24/2025	18:46	PP070010.D	8.89	3.83
AR1248ICC250	AR1248ICC250	02/24/2025	19:03	PP070011.D	8.89	3.83
AR1248ICC050	AR1248ICC050	02/24/2025	19:19	PP070012.D	8.89	3.83
AR1254ICC1000	AR1254ICC1000	02/24/2025	19:35	PP070013.D	8.89	3.83
AR1254ICC750	AR1254ICC750	02/24/2025	19:51	PP070014.D	8.89	3.83
AR1254ICC500	AR1254ICC500	02/24/2025	20:08	PP070015.D	8.89	3.83
AR1254ICC250	AR1254ICC250	02/24/2025	20:24	PP070016.D	8.89	3.83
AR1254ICC050	AR1254ICC050	02/24/2025	20:40	PP070017.D	8.89	3.83
AR1262ICC500	AR1262ICC500	02/24/2025	20:56	PP070018.D	8.89	3.83
AR1268ICC1000	AR1268ICC1000	02/24/2025	21:12	PP070019.D	8.89	3.83
AR1268ICC750	AR1268ICC750	02/24/2025	21:29	PP070020.D	8.89	3.83
AR1268ICC500	AR1268ICC500	02/24/2025	21:45	PP070021.D	8.89	3.83
AR1268ICC250	AR1268ICC250	02/24/2025	22:01	PP070022.D	8.89	3.83
AR1268ICC050	AR1268ICC050	02/24/2025	22:17	PP070023.D	8.89	3.83
AR1660CCC500	AR1660CCC500	03/10/2025	10:07	PP070390.D	8.88	3.83
I.BLK	I.BLK	03/10/2025	11:12	PP070394.D	8.88	3.83
PB167043BL	PB167043BL	03/10/2025	13:28	PP070395.D	8.88	3.83
PB167043BS	PB167043BS	03/10/2025	13:44	PP070396.D	8.88	3.83
WC-A1-01-C	Q1523-02	03/10/2025	14:01	PP070397.D	8.88	3.83
WC-A1-01-CMS	Q1523-02MS	03/10/2025	14:17	PP070398.D	8.88	3.83
WC-A1-01-CMSD	Q1523-02MSD	03/10/2025	14:33	PP070399.D	8.88	3.83
WC-A1-02-C	Q1523-05	03/10/2025	14:49	PP070400.D	8.88	3.83
AR1660CCC500	AR1660CCC500	03/10/2025	16:43	PP070405.D	8.88	3.83
I.BLK	I.BLK	03/10/2025	17:48	PP070409.D	8.88	3.83

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Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167043BS

Contract: ENTA05

Lab Code: CHEM Case No.: Q1523 SAS No.: Q1523 SDG NO.: Q1523

Lab Sample ID: PB167043BS Date(s) Analyzed: 03/10/2025 03/10/2025

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

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

Data file PP070396.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.677	5.627	5.727	159		
	2	5.699	5.649	5.749	158		
	3	5.761	5.711	5.811	157		
COLUMN 1	4	5.859	5.809	5.909	162		
	5	6.152	6.102	6.202	148	157	
	1	4.913	4.863	4.963	166		
	2	4.932	4.882	4.982	166		
	3	5.11	5.06	5.16	170		
	4	5.152	5.102	5.202	166		
COLUMN 2	5	5.366	5.316	5.416	167	167	6.17
Aroclor-1260	1	7.27	7.22	7.32	164		
	2	7.524	7.474	7.574	157		
	3	7.883	7.833	7.933	142		
COLUMN 1	4	8.107	8.057	8.157	148		
	5	8.428	8.378	8.478	146	151	
	1	6.404	6.354	6.454	158		
	2	6.592	6.542	6.642	160		
	3	6.745	6.695	6.795	150		
	4	7.218	7.168	7.268	151		
COLUMN 2	5	7.459	7.409	7.509	155	155	2.61

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WC-A1-01-CMS

Contract: ENTA05

Lab Code: CHEM Case No.: Q1523 SAS No.: Q1523 SDG NO.: Q1523

Lab Sample ID: Q1523-02MS Date(s) Analyzed: 03/10/2025 03/10/2025

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

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

Data file PP070398.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.677	5.627	5.727	98.7		
	2	5.701	5.651	5.751	142		
	3	5.76	5.71	5.81	183		
COLUMN 1	4	5.858	5.808	5.908	154		
	5	6.149	6.099	6.199	110	138	
	1	4.915	4.865	4.965	116		
	2	4.934	4.884	4.984	141		
	3	5.112	5.062	5.162	147		
	4	5.153	5.103	5.203	145		
COLUMN 2	5	5.381	5.331	5.431	291	168	19.61
Aroclor-1260	1	7.271	7.221	7.321	151		
	2	7.525	7.475	7.575	207		
	3	7.884	7.834	7.934	145		
COLUMN 1	4	8.108	8.058	8.158	162		
	5	8.429	8.379	8.479	171	167	
	1	6.406	6.356	6.456	145		
	2	6.594	6.544	6.644	142		
	3	6.747	6.697	6.797	133		
	4	7.22	7.17	7.27	156		
COLUMN 2	5	7.461	7.411	7.511	142	144	14.79

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WC-A1-01-CMSD

Contract: ENTA05

Lab Code: CHEM Case No.: Q1523 SAS No.: Q1523 SDG NO.: Q1523

Lab Sample ID: Q1523-02MSD Date(s) Analyzed: 03/10/2025 03/10/2025

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

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

Data file PP070399.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.674	5.624	5.724	95.1		
	2	5.699	5.649	5.749	144		
	3	5.758	5.708	5.808	183		
COLUMN 1	4	5.856	5.806	5.906	192		
	5	6.147	6.097	6.197	75.0	138	
	1	4.915	4.865	4.965	112		
	2	4.934	4.884	4.984	147		
	3	5.112	5.062	5.162	130		
	4	5.154	5.104	5.204	126		
COLUMN 2	5	5.381	5.331	5.431	284	160	14.77
Aroclor-1260	1	7.269	7.219	7.319	149		
	2	7.523	7.473	7.573	208		
	3	7.882	7.832	7.932	151		
COLUMN 1	4	8.105	8.055	8.155	162		
	5	8.427	8.377	8.477	170	168	
	1	6.406	6.356	6.456	151		
	2	6.593	6.543	6.643	143		
	3	6.746	6.696	6.796	132		
	4	7.22	7.17	7.27	151		
COLUMN 2	5	7.46	7.41	7.51	139	143	16.08

QC SAMPLE DATA

Raw Data: **PP070395.D**

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

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:		
Client Sample ID:	PB167043BL		SDG No.:	Q1523	
Lab Sample ID:	PB167043BL		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
PP070395.D	1	03/10/25 08:35	03/10/25 13:28	PB167043

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	22.4		30 (32) - 150 (144)	112%	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_P\Data\PP031025\
Data File : PP070395.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 13:28
Operator : YP\AJ
Sample : PB167043BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167043BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 14:30:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.526	3.828	32906459	20601840	22.422	21.549
2)	SA Decachlor...	10.254	8.880	22981279	21697118	20.176	20.014
	Target Compounds						

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

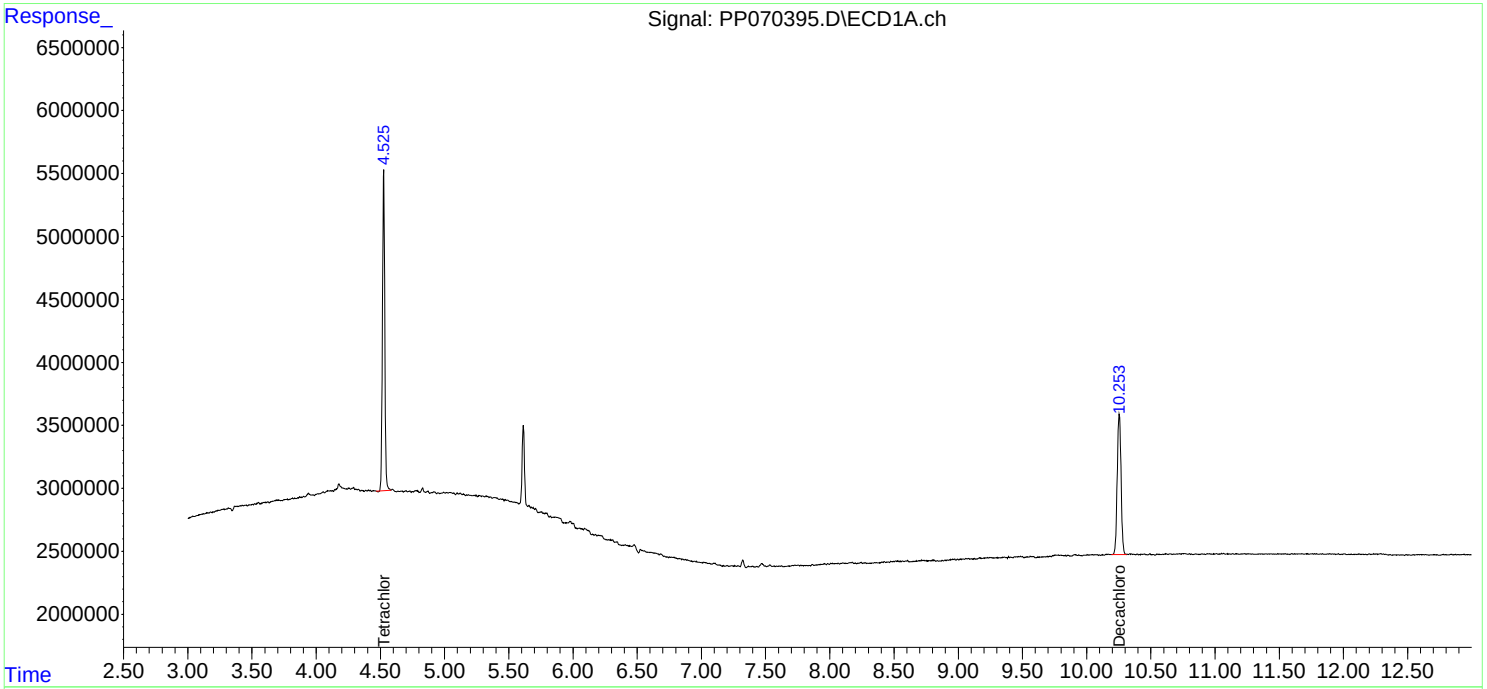
Sample Results: **PP070395.D**

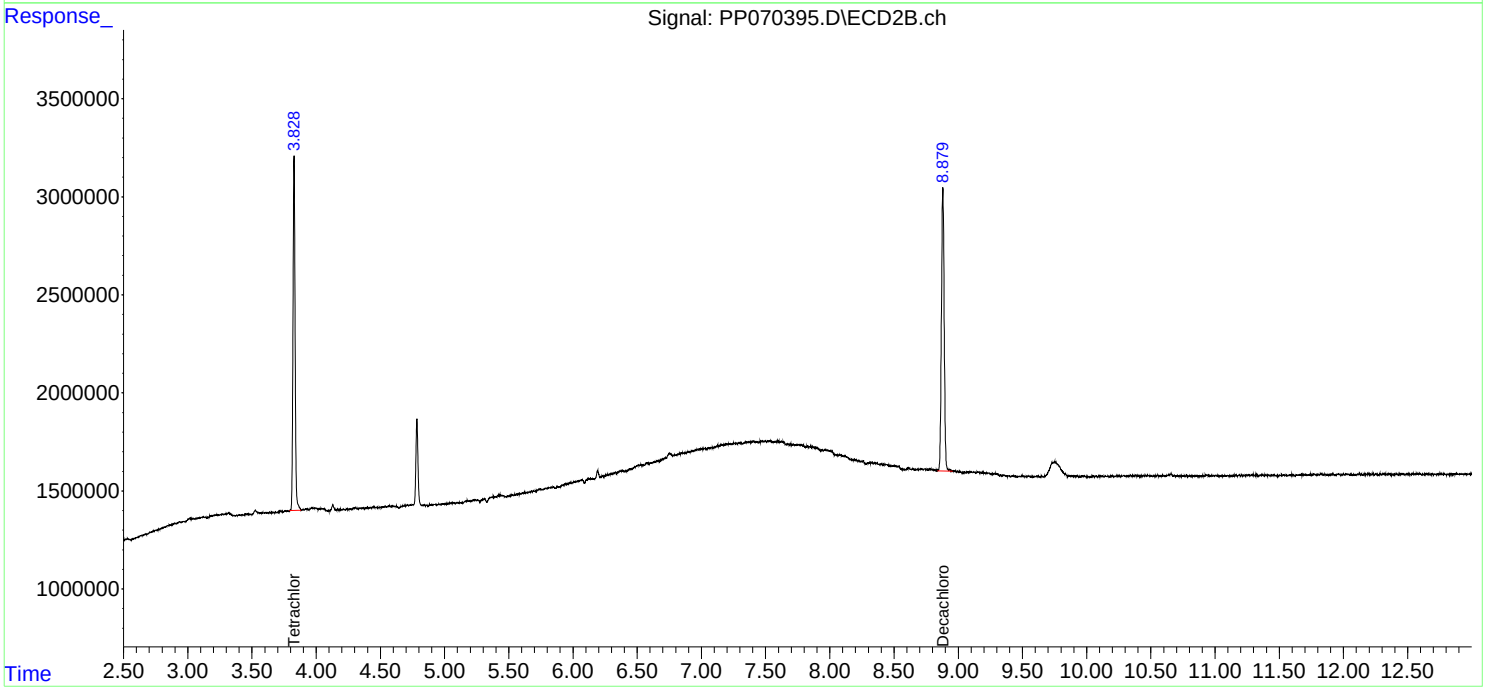
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070395.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 13:28
Operator : YP\AJ
Sample : PB167043BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

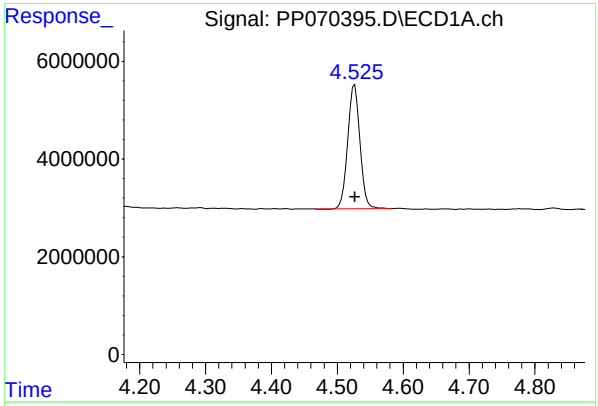
Instrument :
ECD_P
ClientSampleId :
PB167043BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 14:30:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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



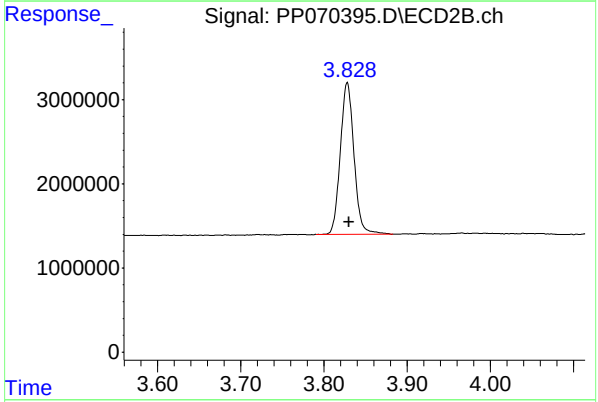




#1 Tetrachloro-m-xylene

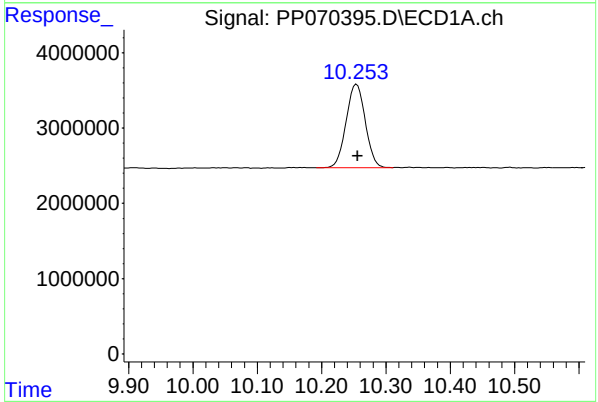
R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 32906459
Conc: 22.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167043BL



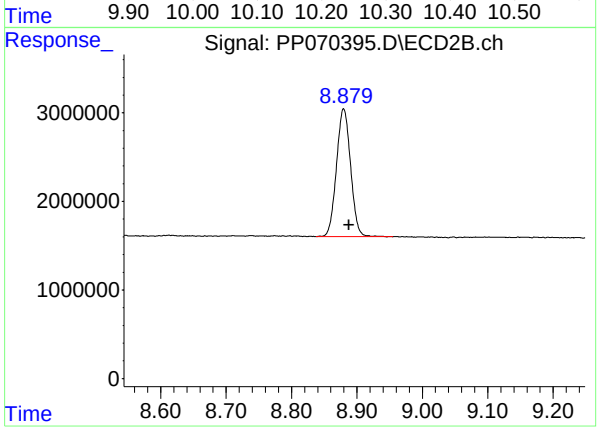
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: -0.002 min
Response: 20601840
Conc: 21.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.254 min
Delta R.T.: -0.002 min
Response: 22981279
Conc: 20.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.880 min
Delta R.T.: -0.008 min
Response: 21697118
Conc: 20.01 ng/ml

Raw Data: **PP069995.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/24/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	02/24/25
Client Sample ID:	PIBLK-PP069995.D	SDG No.:	Q1523
Lab Sample ID:	I.BLK-PP069995.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069995.D	1		02/24/25	PP022425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		70 (60) - 130 (140)	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		70 (60) - 130 (140)	108%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PP069995.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP069995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 14:43
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 05:11:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.526	3.829	32092801	21102903	21.867	22.073
2)	SA Decachlor...	10.254	8.887	24802970	23428943	21.775	21.611
	Target Compounds						

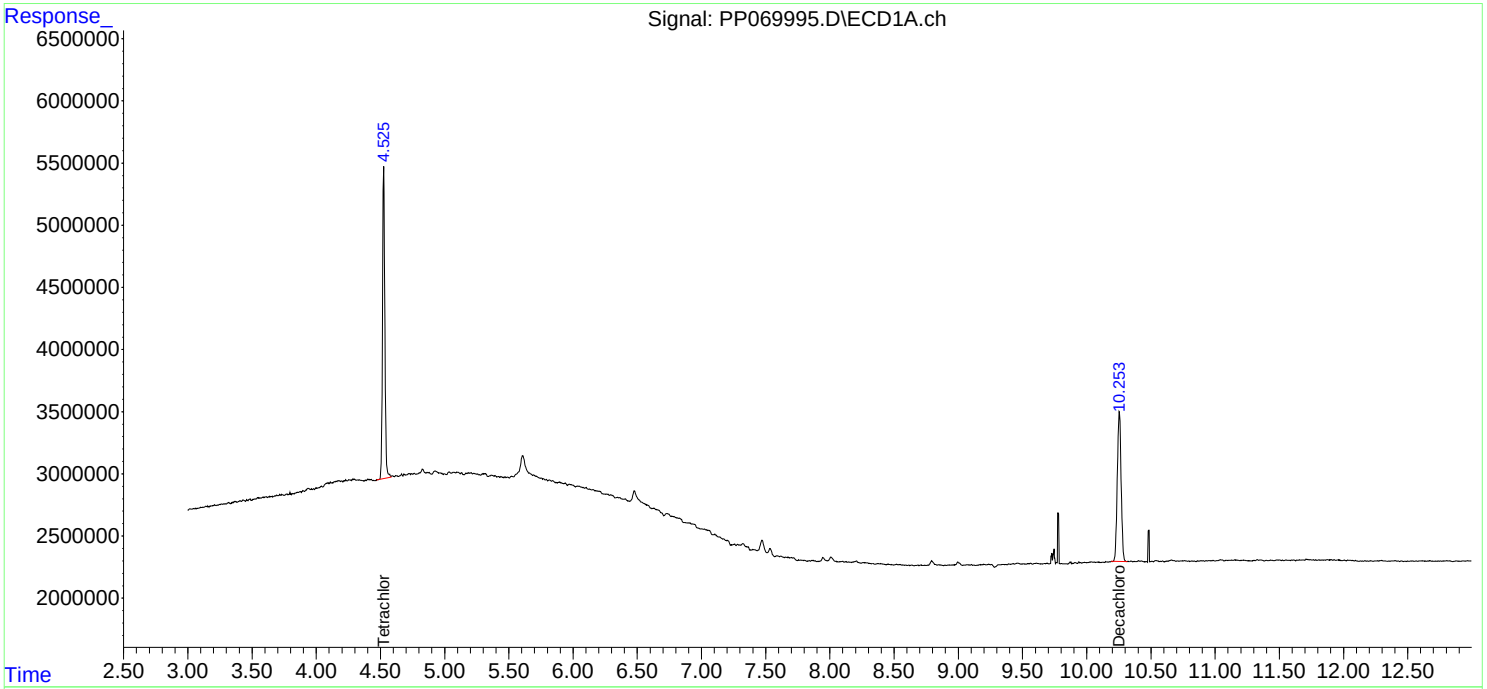
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

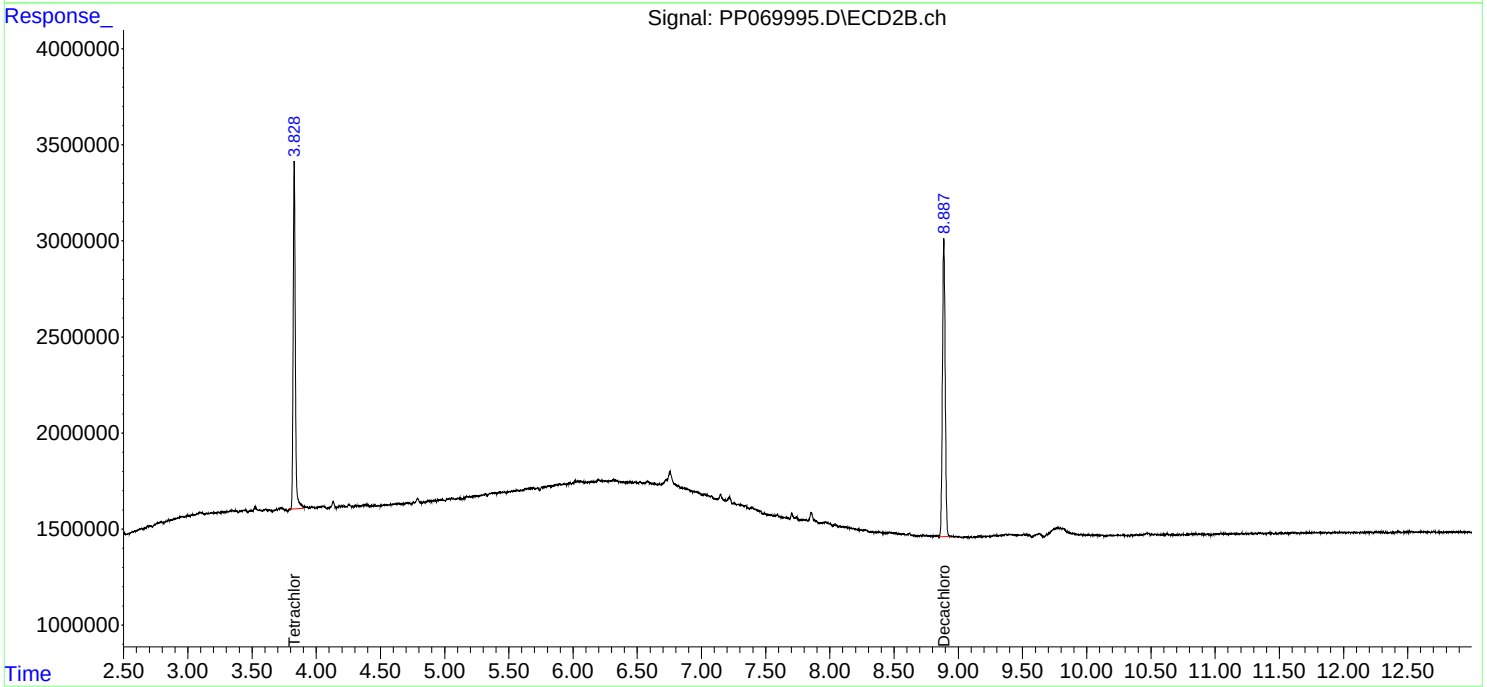
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP069995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 14:43
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

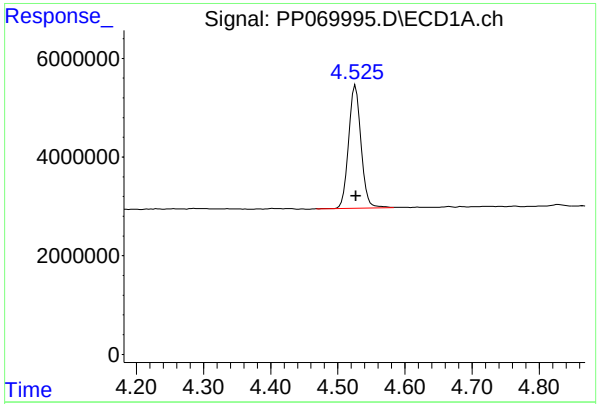
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 05:11:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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



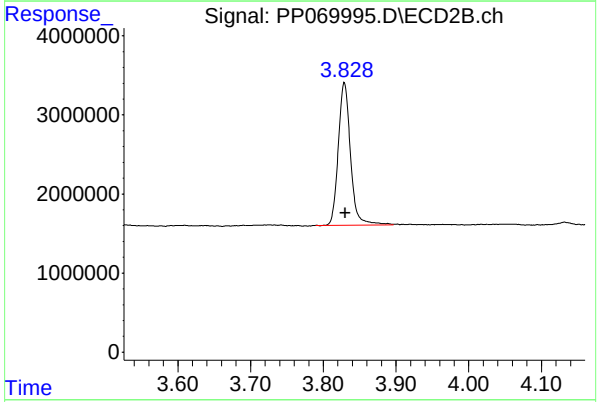




#1 Tetrachloro-m-xylene

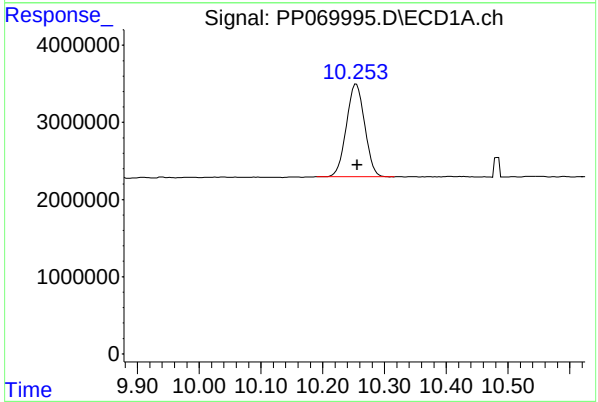
R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 32092801
Conc: 21.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



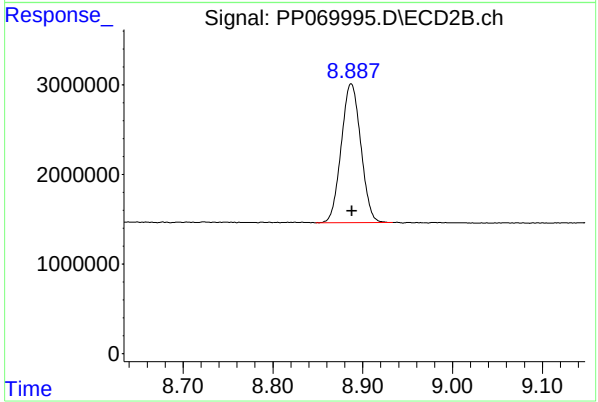
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.001 min
Response: 21102903
Conc: 22.07 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.254 min
Delta R.T.: -0.002 min
Response: 24802970
Conc: 21.78 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.887 min
Delta R.T.: 0.000 min
Response: 23428943
Conc: 21.61 ng/ml

Raw Data: **PP070394.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	03/10/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	03/10/25
Client Sample ID:	PIBLK-PP070394.D	SDG No.:	Q1523
Lab Sample ID:	I.BLK-PP070394.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070394.D	1		03/10/25	PP031025

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	20.8		70 (60) - 130 (140)	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.6		70 (60) - 130 (140)	98%	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

Quantitation Report (QT Reviewed)

Sample Results: **PP070394.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070394.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 11:12
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 14:29:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.827	30533978	20438487	20.805	21.378
2)	SA Decachlor...	10.252	8.878	22299257	22147088	19.577	20.429
	Target Compounds						

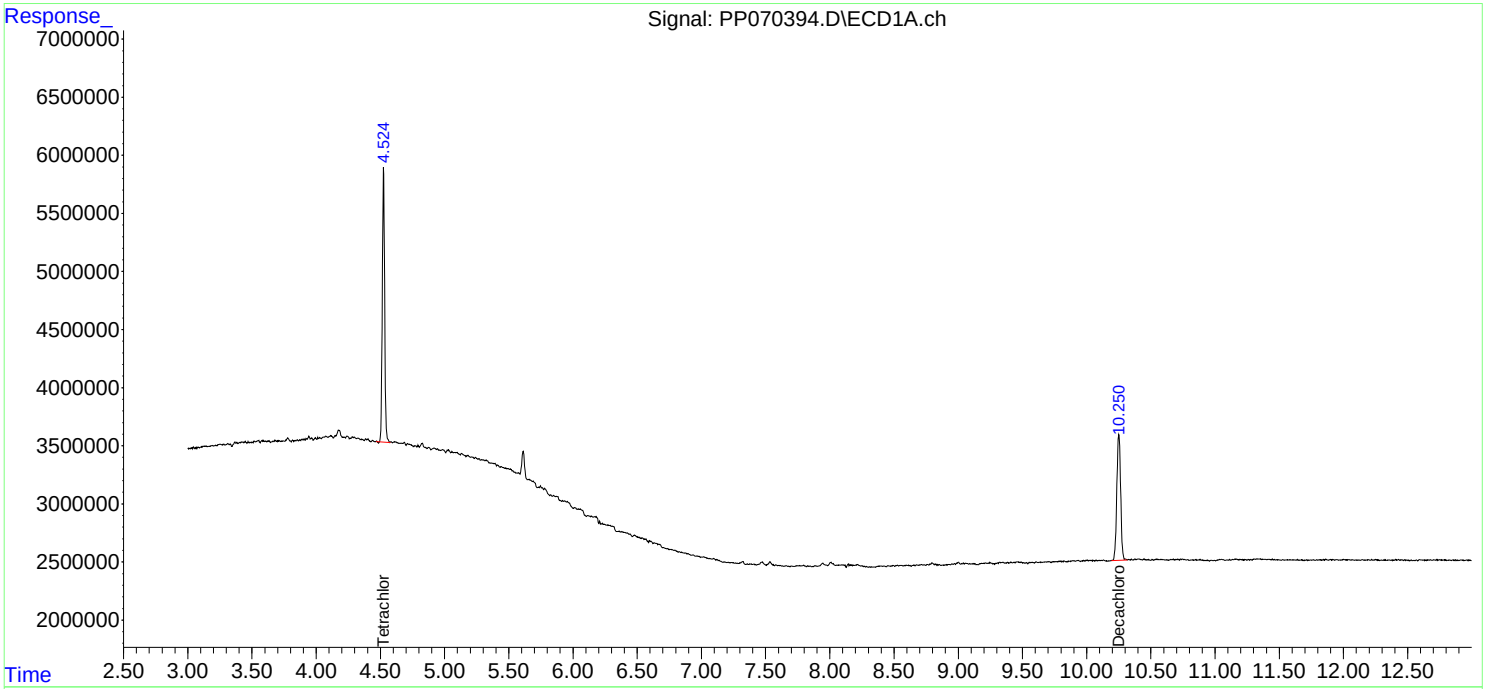
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

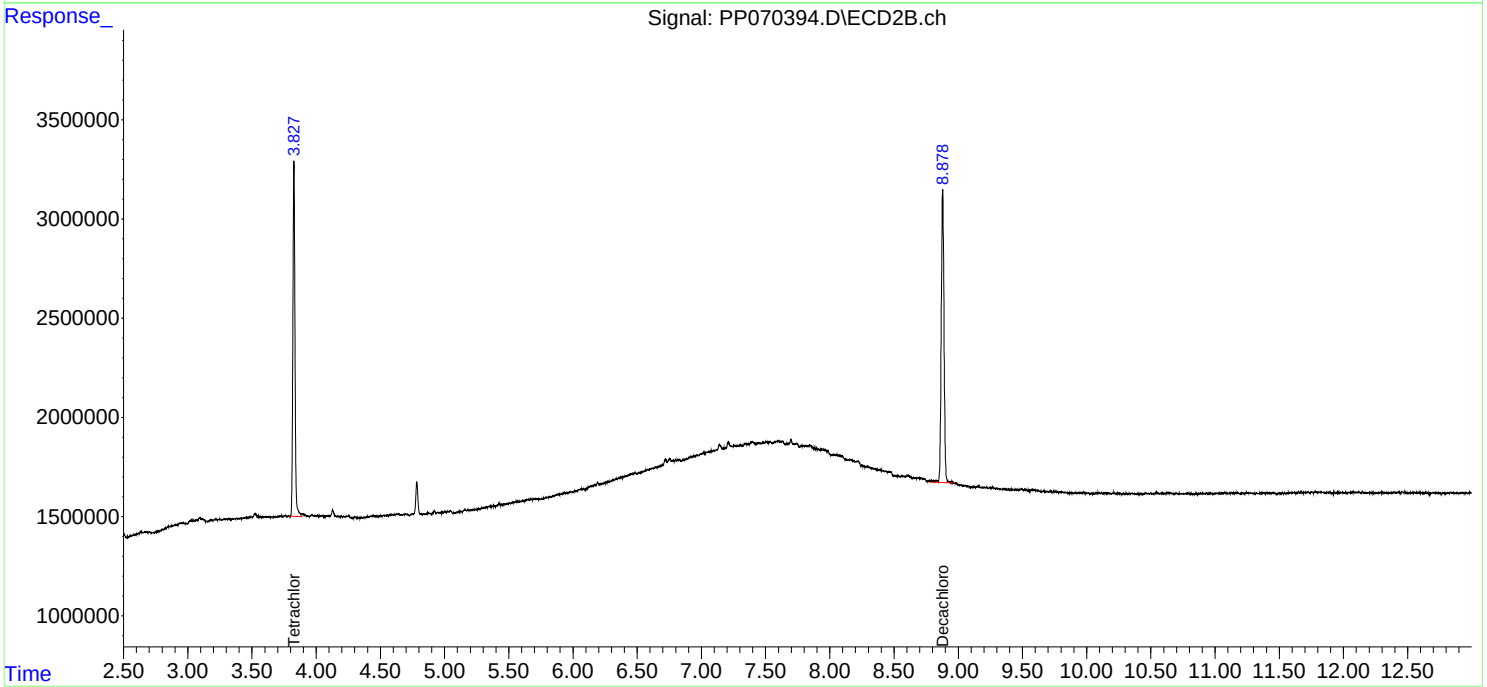
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070394.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 11:12
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

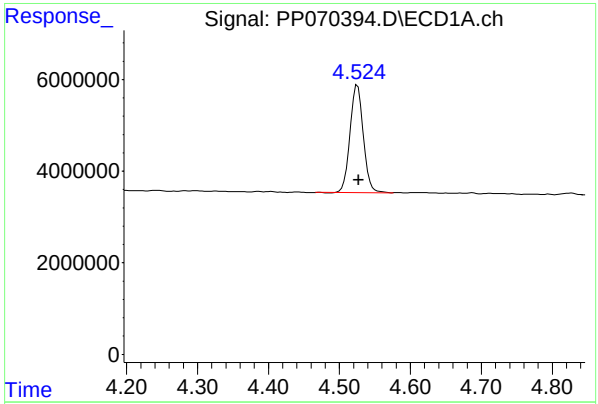
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 14:29:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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



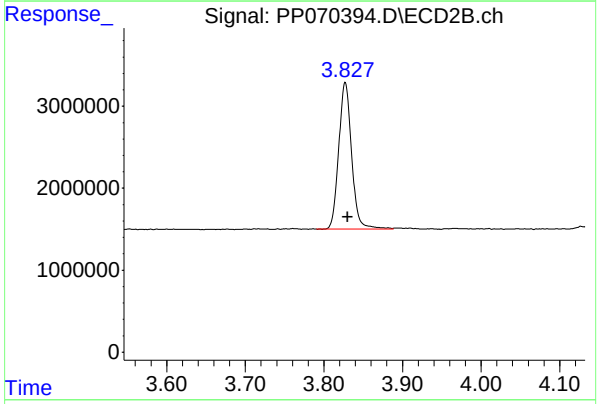




#1 Tetrachloro-m-xylene

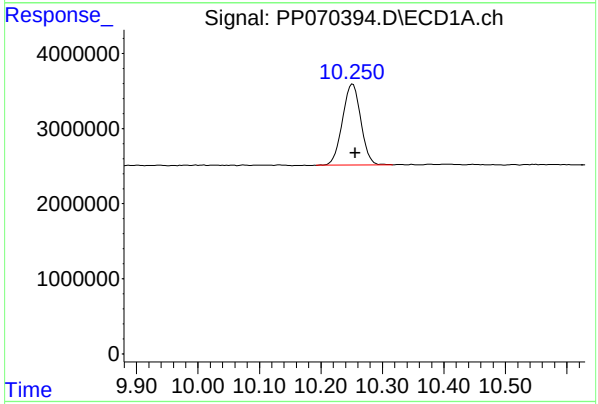
R.T.: 4.525 min
Delta R.T.: -0.002 mi
Response: 30533978
Conc: 20.81 ng/m

Instrument :
ECD_P
ClientSampleId :
I.BLK



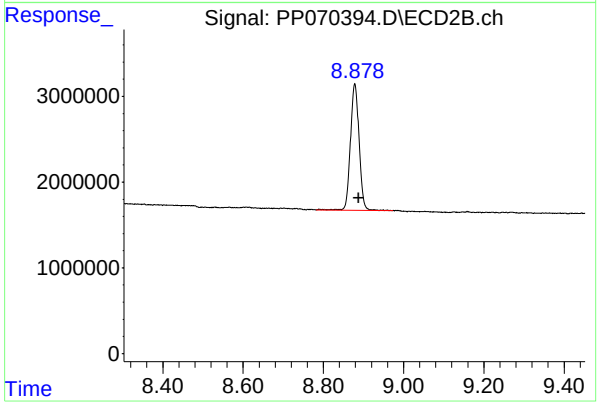
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: -0.003 min
Response: 20438487
Conc: 21.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.004 min
Response: 22299257
Conc: 19.58 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.878 min
Delta R.T.: -0.009 min
Response: 22147088
Conc: 20.43 ng/ml

Raw Data: **PP070409.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	03/10/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	03/10/25
Client Sample ID:	PIBLK-PP070409.D	SDG No.:	Q1523
Lab Sample ID:	I.BLK-PP070409.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070409.D	1		03/10/25	PP031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		70 (60) - 130 (140)	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		70 (60) - 130 (140)	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

Quantitation Report (QT Reviewed)

Sample Results: **PP070409.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070409.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 17:48
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 00:59:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.828	30901018	20488247	21.055	21.430
2)	SA Decachlor...	10.251	8.880	23048872	22904900	20.235	21.128
	Target Compounds						

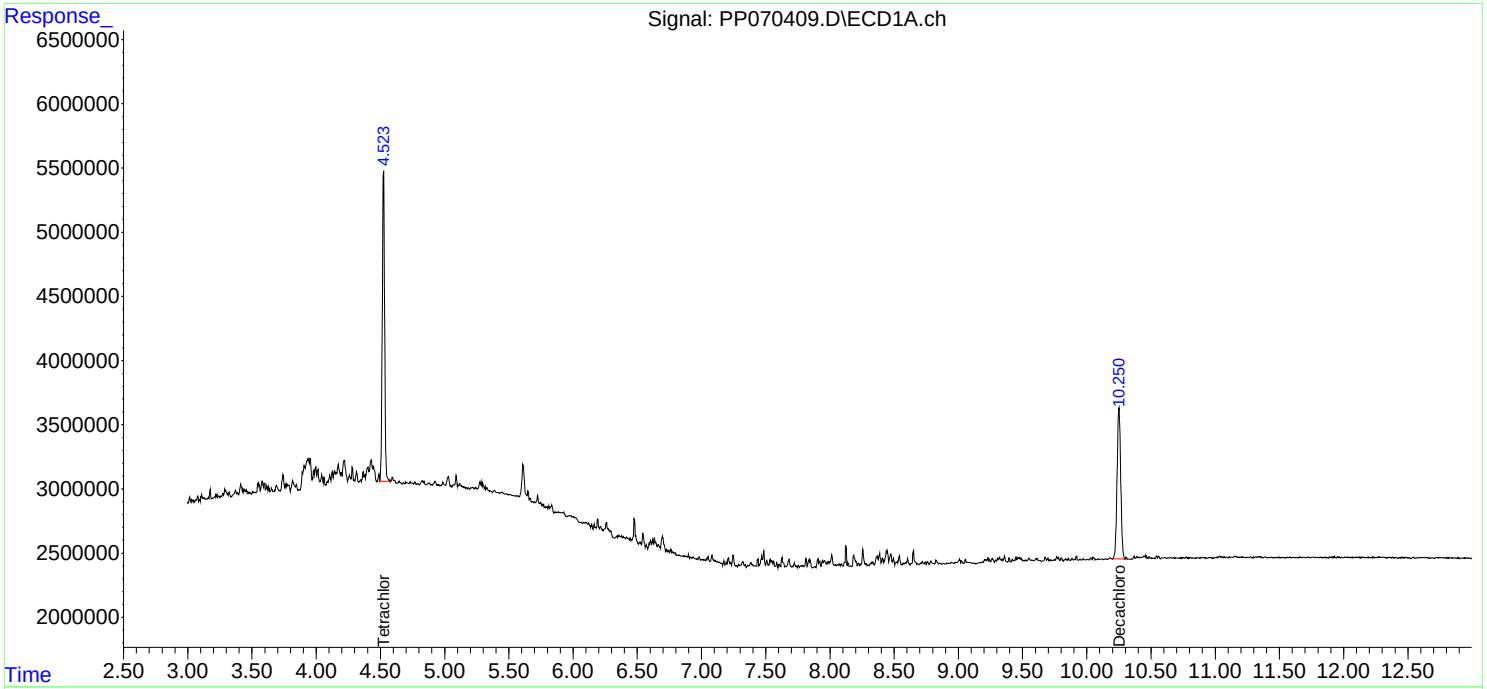
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

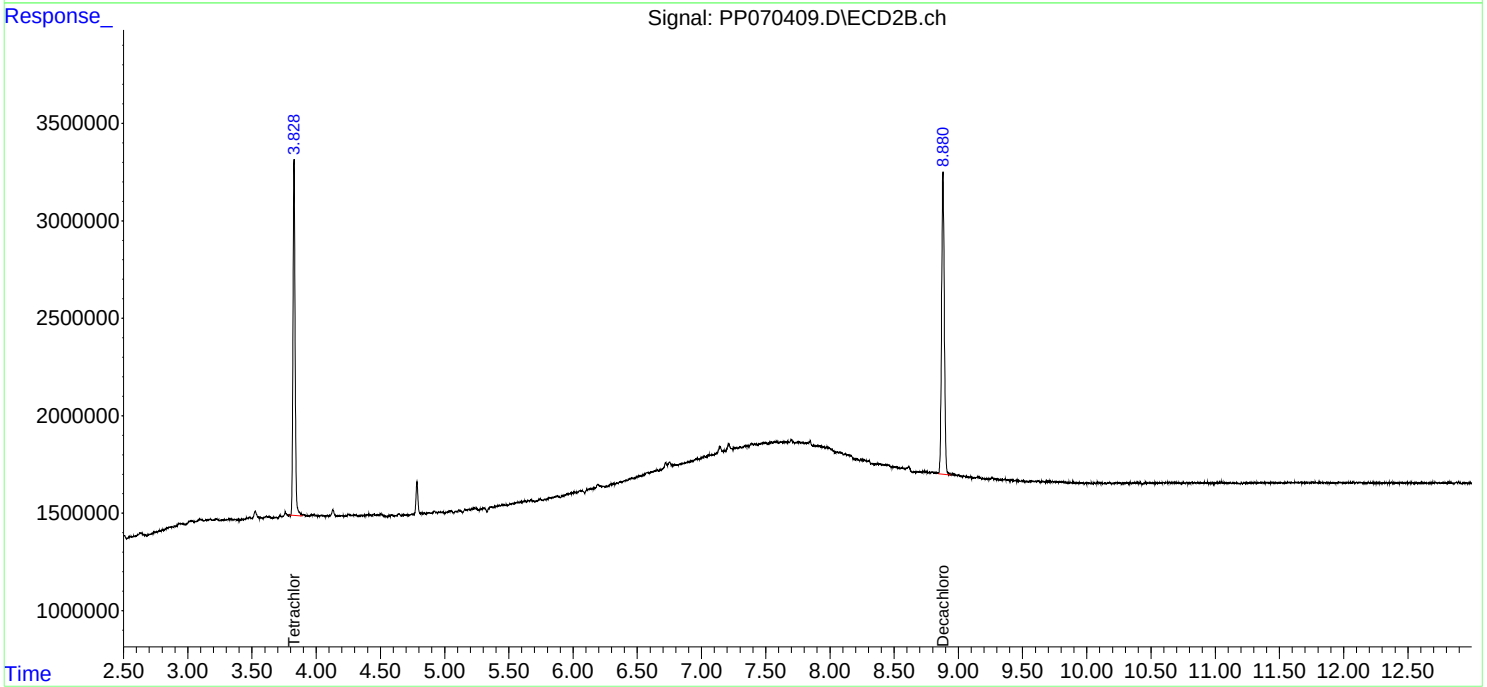
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070409.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 17:48
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

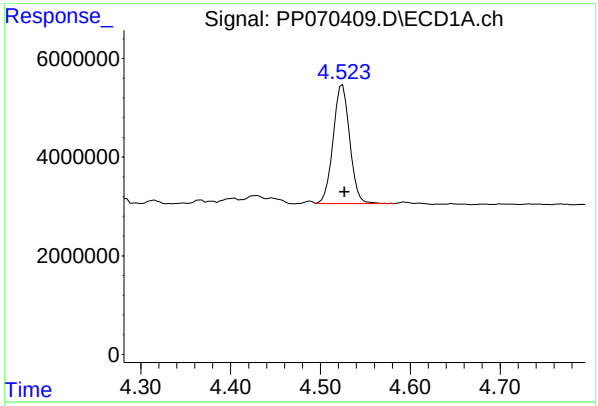
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 00:59:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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



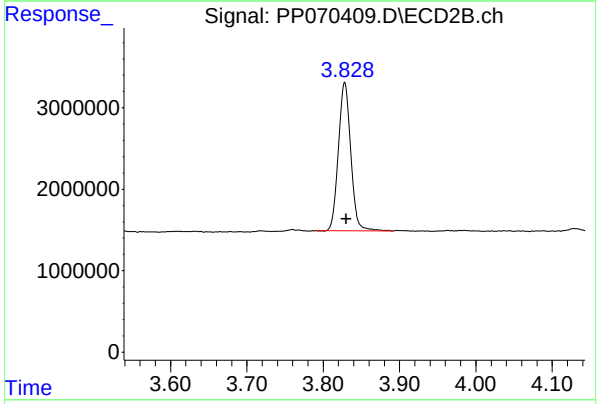




#1 Tetrachloro-m-xylene

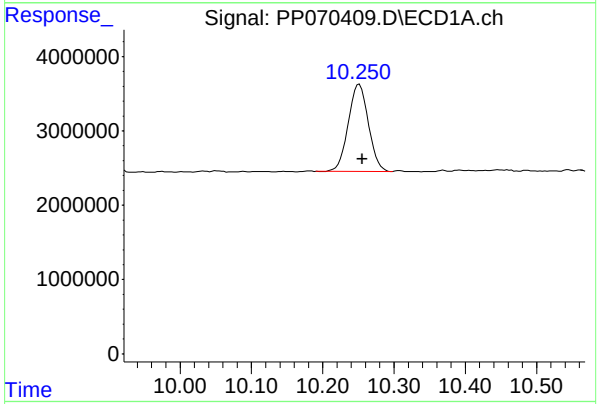
R.T.: 4.525 min
Delta R.T.: -0.002 min
Response: 30901018
Conc: 21.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



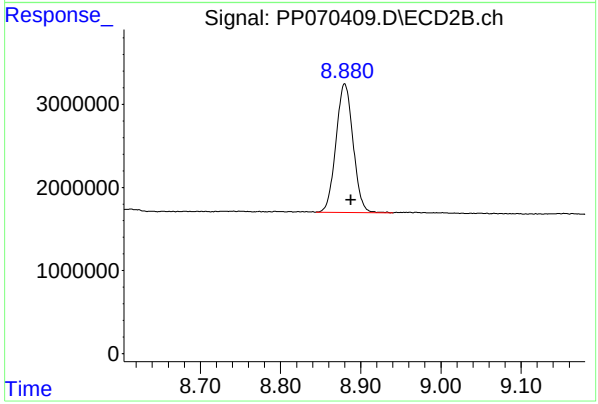
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: -0.002 min
Response: 20488247
Conc: 21.43 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.005 min
Response: 23048872
Conc: 20.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.880 min
Delta R.T.: -0.008 min
Response: 22904900
Conc: 21.13 ng/ml

Raw Data: **PP070396.D**

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

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:		
Client Sample ID:	PB167043BS		SDG No.:	Q1523	
Lab Sample ID:	PB167043BS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070396.D	1	03/10/25 08:35	03/10/25 13:44	PB167043

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	167		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	155		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.3		30 (32) - 150 (144)	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.7		30 (32) - 150 (175)	104%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070396.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 13:44
Operator : YP\AJ
Sample : PB167043BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167043BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 14:30:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.826	34163104	20709779	23.278	21.662
2)	SA Decachlor...	10.249	8.877	23608767	22136511	20.727	20.419
	Target Compounds						
3)	L1 AR-1016-1	5.677	4.913	23736777	16627510	476.392	497.851
4)	L1 AR-1016-2	5.699	4.932	33663618	23232350	475.623	498.610
5)	L1 AR-1016-3	5.761	5.110	20689303	12756251	471.042	509.589
6)	L1 AR-1016-4	5.859	5.152	17628058	10028501	486.139	499.659
7)	L1 AR-1016-5	6.152	5.366	14903171	12998686	444.359	500.979
31)	L7 AR-1260-1	7.270	6.404	28723169	23516078	492.172	474.696
32)	L7 AR-1260-2	7.524	6.592	38591054	31356900	472.205	479.316
33)	L7 AR-1260-3	7.883	6.745	26713639	27094504	425.640	449.164
34)	L7 AR-1260-4	8.107	7.218	28250577	22119148	445.586	452.636
35)	L7 AR-1260-5	8.428	7.459	57325196	55510220	436.981	465.788

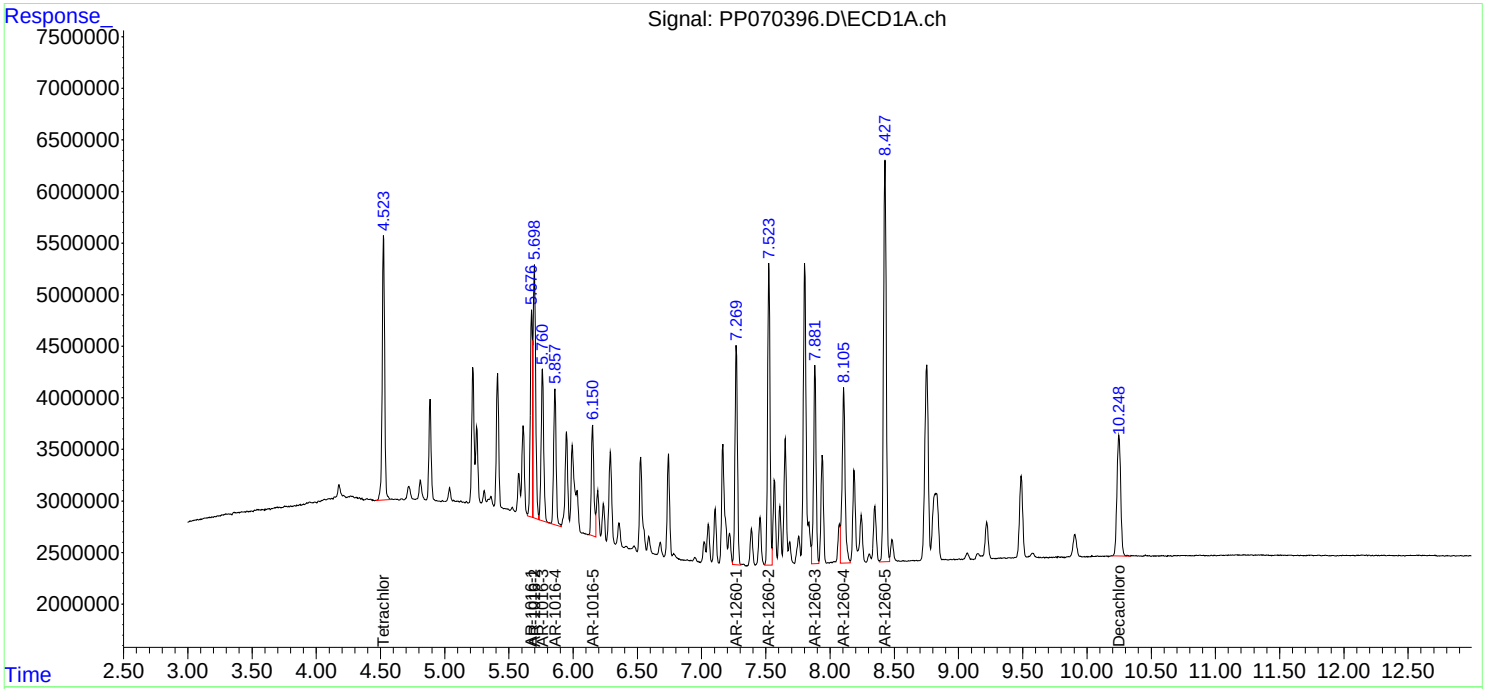
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

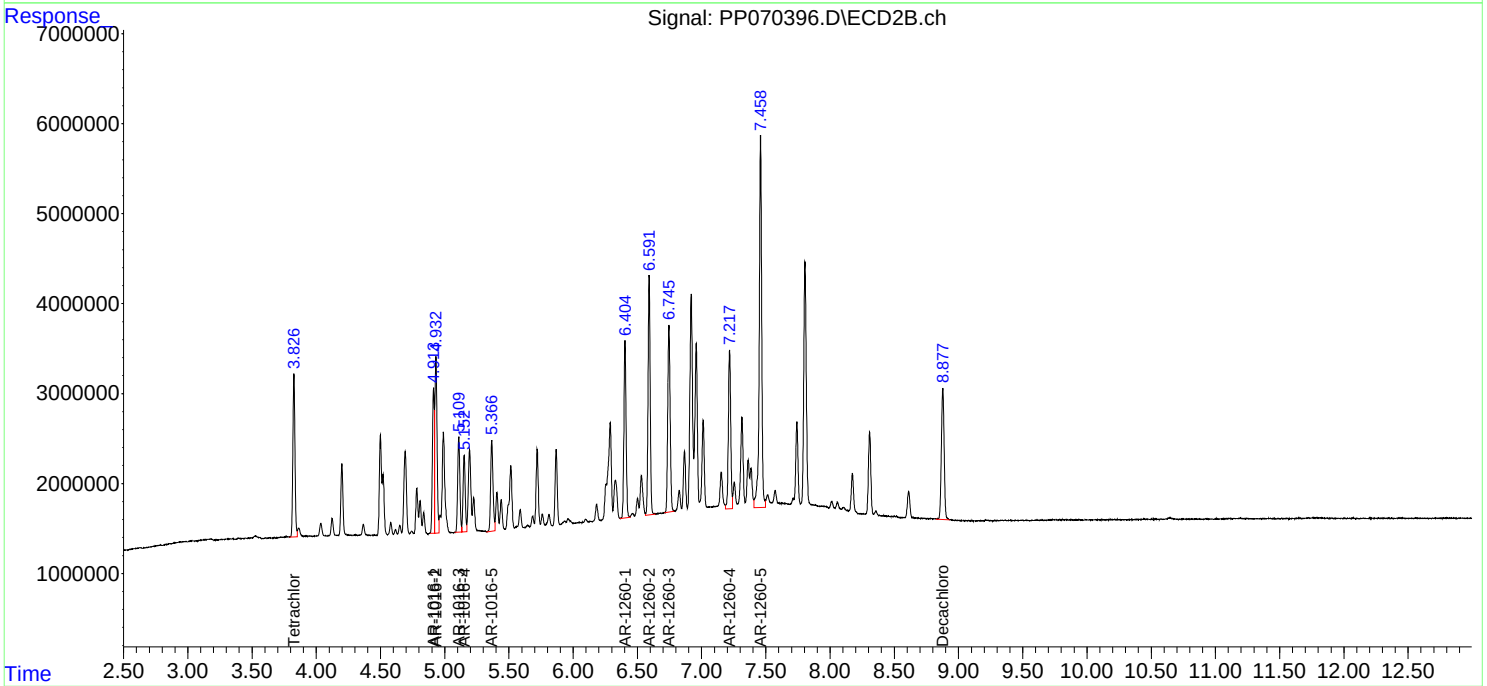
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070396.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 13:44
Operator : YP\AJ
Sample : PB167043BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167043BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 14:30:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PP070398.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	03/06/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	03/07/25
Client Sample ID:	WC-A1-01-CMS	SDG No.:	Q1523
Lab Sample ID:	Q1523-02MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	78.6 Decanted:
Sample Wt/Vol:	30.06 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
PP070398.D	1	03/10/25 08:35	03/10/25 14:17	PB167043

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	168		4.30	21.6	ug/kg
11104-28-2	Aroclor-1221	8.10	U	8.10	21.6	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	21.6	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	21.6	ug/kg
12672-29-6	Aroclor-1248	10.0	U	10.0	21.6	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	21.6	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	21.6	ug/kg
11100-14-4	Aroclor-1268	4.40	U	4.40	21.6	ug/kg
11096-82-5	Aroclor-1260	167		3.70	21.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.3		30 (32) - 150 (144)	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.3		30 (32) - 150 (175)	81%	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

Quantitation Report (QT Reviewed)

Sample Results: **PP070398.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070398.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 14:17
Operator : YP\AJ
Sample : Q1523-02MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
WC-A1-01-CMS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/11/2025
Supervised By :Ankita Jodhani 03/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 14:31:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.520	3.829	31304253	12920779	21.330m	13.515 #
2)	SA Decachlor...	10.252	8.879	18551041	14944376	16.287	13.785
	Target Compounds						
3)	L1 AR-1016-1	5.677	4.915	11615552	9120379	233.122	273.077m
4)	L1 AR-1016-2	5.701	4.934	23821963	15480276	336.573	332.236m
5)	L1 AR-1016-3	5.760	5.112	18942648	8688862	431.275	347.104m
6)	L1 AR-1016-4	5.858	5.153	13196138	6886788	363.917m	343.127m
7)	L1 AR-1016-5	6.149	5.381	8712601	17821683	259.779m	686.861 #
31)	L7 AR-1260-1	7.271	6.406	20786869	16952373	356.184	342.201
32)	L7 AR-1260-2	7.525	6.594	40055685	21964064	490.126	335.739 #
33)	L7 AR-1260-3	7.884	6.747	21525116	18986609	342.969	314.754m
34)	L7 AR-1260-4	8.108	7.220	24217385	18042723	381.972	369.218
35)	L7 AR-1260-5	8.429	7.461	52908608	39907429	403.314	334.865

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070398.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 14:17
Operator : YP\AJ
Sample : Q1523-02MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

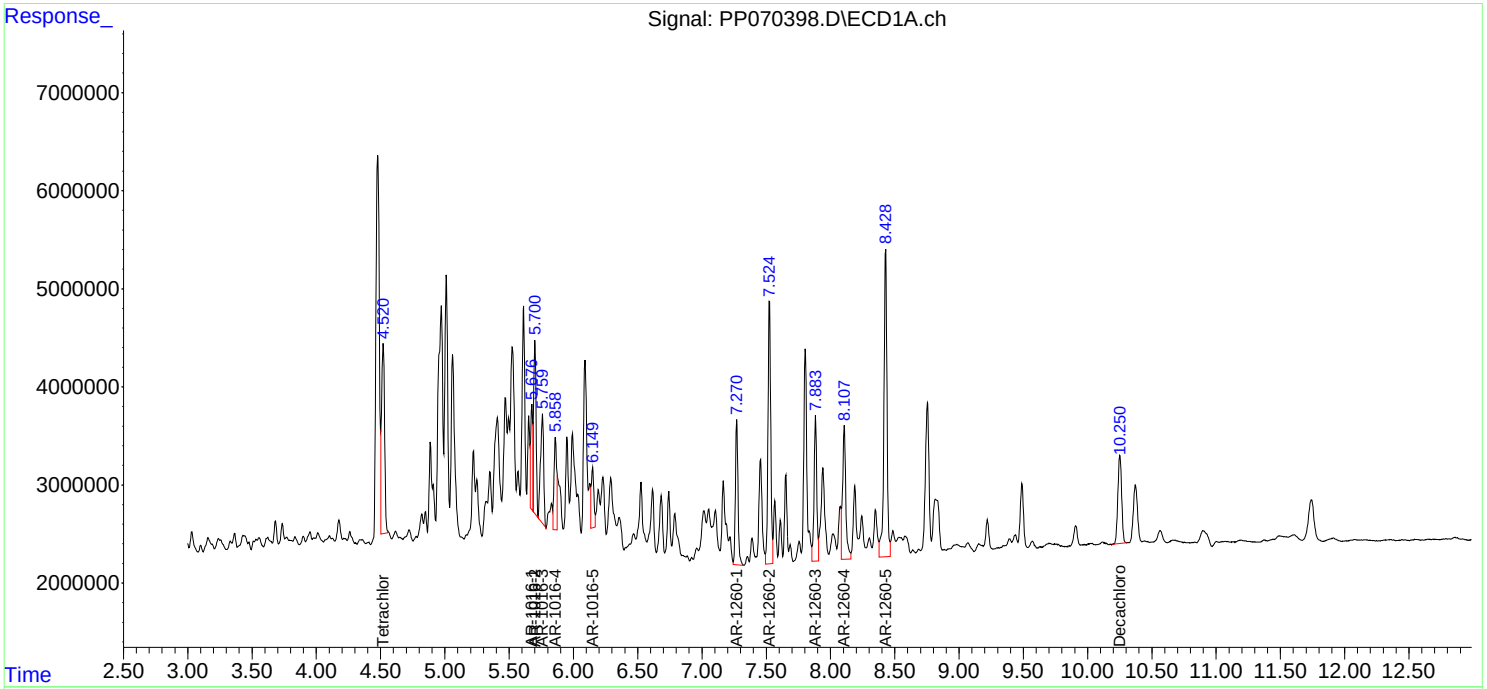
Instrument :
ECD_P
ClientSampleId :
WC-A1-01-CMS

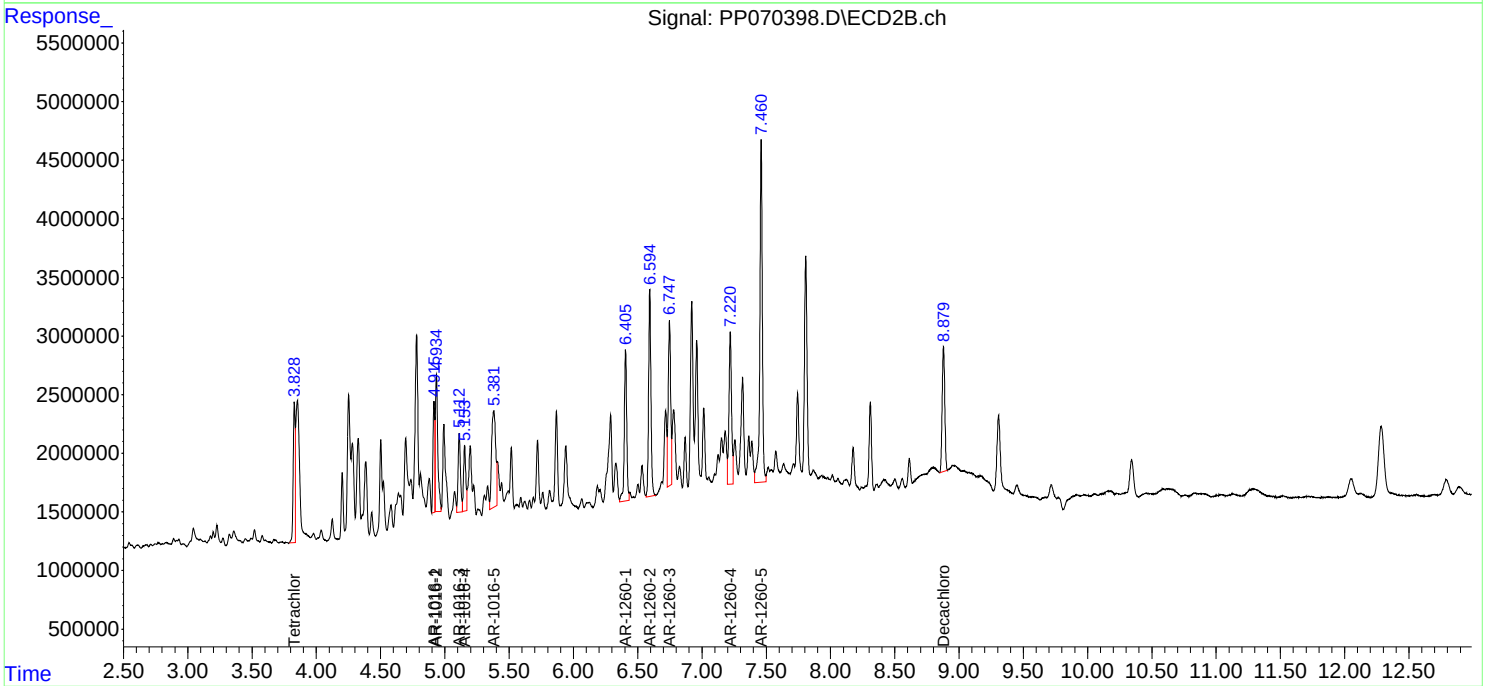
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/11/2025
Supervised By :Ankita Jodhani 03/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 14:31:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PP070399.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	03/06/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	03/07/25
Client Sample ID:	WC-A1-01-CMSD	SDG No.:	Q1523
Lab Sample ID:	Q1523-02MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	78.6 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070399.D	1	03/10/25 08:35	03/10/25 14:33	PB167043

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	160		4.30	21.6	ug/kg
11104-28-2	Aroclor-1221	8.20	U	8.20	21.6	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	21.6	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	21.6	ug/kg
12672-29-6	Aroclor-1248	10.0	U	10.0	21.6	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	21.6	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	21.6	ug/kg
11100-14-4	Aroclor-1268	4.40	U	4.40	21.6	ug/kg
11096-82-5	Aroclor-1260	168		3.70	21.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.4		30 (32) - 150 (144)	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.1		30 (32) - 150 (175)	81%	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

Quantitation Report (QT Reviewed)

Sample Results: **PP070399.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070399.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 14:33
Operator : YP\AJ
Sample : Q1523-02MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
WC-A1-01-CMSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/11/2025
Supervised By :Ankita Jodhani 03/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 15:33:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.516	3.829	32805484	12494182	22.353m	13.069 #
2)	SA Decachlor...	10.250	8.879	18364871	16626911	16.123	15.337
	Target Compounds						
3)	L1 AR-1016-1	5.674	4.915	11173758	8796557	224.255	263.381m
4)	L1 AR-1016-2	5.699	4.934	24110323	16132957	340.647	346.244m
5)	L1 AR-1016-3	5.758	5.112	18915748	7678893	430.663	306.758m#
6)	L1 AR-1016-4	5.856	5.154	16434550	5981675	453.225m	298.030m#
7)	L1 AR-1016-5	6.147	5.381	5934105	17360936	176.934m	669.104m#
31)	L7 AR-1260-1	7.269	6.406	20577014	17671394	352.588	356.715
32)	L7 AR-1260-2	7.523	6.593	40149424	22064084	491.273	337.268 #
33)	L7 AR-1260-3	7.882	6.746	22317582	18715765	355.596	310.264m
34)	L7 AR-1260-4	8.105	7.220	24261847	17404610	382.673	356.160
35)	L7 AR-1260-5	8.427	7.460	52683744	38957875	401.600	326.897

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031025\
Data File : PP070399.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Mar 2025 14:33
Operator : YP\AJ
Sample : Q1523-02MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

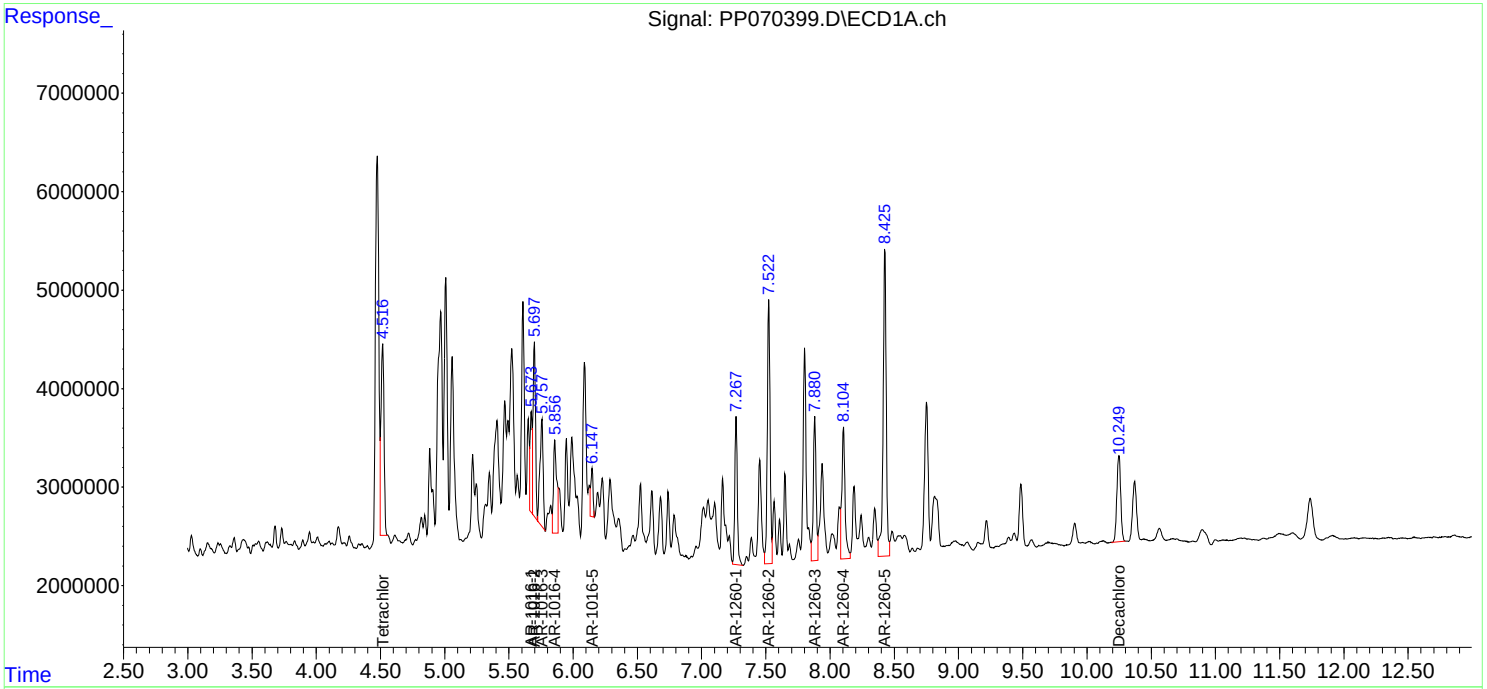
Instrument :
ECD_P
ClientSampleId :
WC-A1-01-CMSD

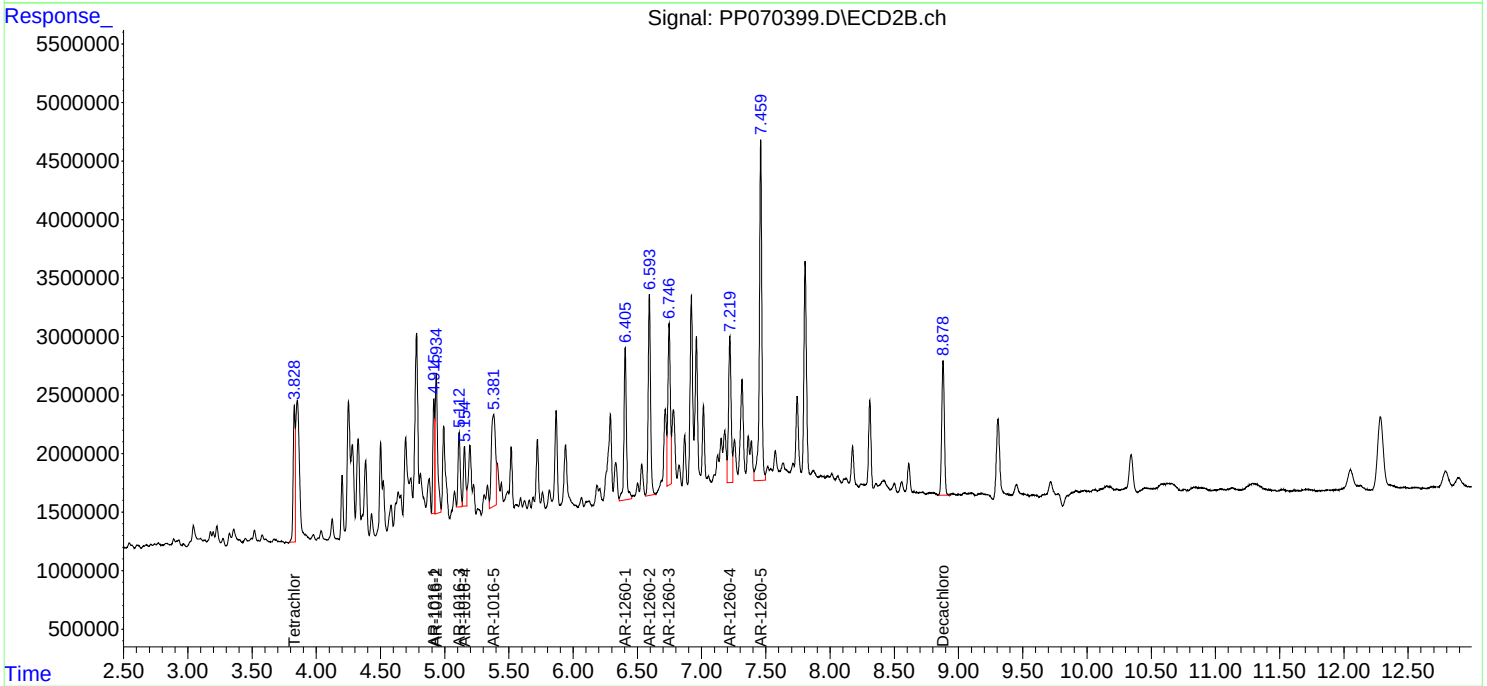
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/11/2025
Supervised By :Ankita Jodhani 03/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 15:33:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

Manual Integration Report

Sequence:	PP022425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP070000.D	AR-1016-1	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-1 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-3	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-3 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-4	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-5	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1260-1 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1260-2 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1260-3 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1221ICC500	PP070001.D	Decachlorobiphenyl	yogesh	2/25/2025 9:00:06 AM	Ankita	2/25/2025 9:47:57	Peak Integrated by Software
AR1242ICC750	PP070004.D	AR-1242-5	yogesh	2/25/2025 9:00:08 AM	Ankita	2/25/2025 9:47:58	Peak Integrated by Software
AR1242ICC250	PP070006.D	AR-1242-5	yogesh	2/25/2025 9:00:09 AM	Ankita	2/25/2025 9:48:00	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP022425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PP070007.D	AR-1242-1	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1242ICC050	PP070007.D	AR-1242-2	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1242ICC050	PP070007.D	AR-1242-3	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1242ICC050	PP070007.D	AR-1242-4	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1242ICC050	PP070007.D	AR-1242-5	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-1	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-2	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-3	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-4	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-5	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1254ICC1000	PP070013.D	AR-1254-1	yogesh	2/25/2025 9:00:14 AM	Ankita	2/25/2025 9:48:05	Peak Integrated by Software
AR1254ICC750	PP070014.D	AR-1254-1	yogesh	2/25/2025 9:00:16 AM	Ankita	2/25/2025 9:48:07	Peak Integrated by Software
AR1254ICC750	PP070014.D	AR-1254-5	yogesh	2/25/2025 9:00:16 AM	Ankita	2/25/2025 9:48:07	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP022425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC050	PP070017.D	AR-1254-1	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-1 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-2 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-3	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-3 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-4	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-4 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-5	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-5 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	Tetrachloro-m-xylene	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	Tetrachloro-m-xylene #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1268ICC750	PP070020.D	Tetrachloro-m-xylene #2	yogesh	2/25/2025 9:00:19 AM	Ankita	2/25/2025 9:48:09	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP022425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1268ICC250	PP070022.D	AR-1268-4 #2	yogesh	2/25/2025 9:00:21 AM	Ankita	2/25/2025 9:48:11	Peak Integrated by Software
AR1268ICC050	PP070023.D	Tetrachloro-m-xylene	yogesh	2/25/2025 9:00:23 AM	Ankita	2/25/2025 9:48:13	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP031025	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP070393.D	AR-1254-4 #2	yogesh	3/11/2025 8:30:35 AM	Ankita	3/11/2025 9:26:10	Peak Integrated by Software
Q1523-02	PP070397.D	Tetrachloro-m-xylene	yogesh	3/11/2025 8:30:37 AM	Ankita	3/11/2025 9:26:12	Peak Integrated by Software
Q1523-02MS	PP070398.D	AR-1016-1 #2	yogesh	3/11/2025 8:30:39 AM	Ankita	3/11/2025 9:26:14	Peak Integrated by Software
Q1523-02MS	PP070398.D	AR-1016-2 #2	yogesh	3/11/2025 8:30:39 AM	Ankita	3/11/2025 9:26:14	Peak Integrated by Software
Q1523-02MS	PP070398.D	AR-1016-3 #2	yogesh	3/11/2025 8:30:39 AM	Ankita	3/11/2025 9:26:14	Peak Integrated by Software
Q1523-02MS	PP070398.D	AR-1016-4	yogesh	3/11/2025 8:30:39 AM	Ankita	3/11/2025 9:26:14	Peak Integrated by Software
Q1523-02MS	PP070398.D	AR-1016-4 #2	yogesh	3/11/2025 8:30:39 AM	Ankita	3/11/2025 9:26:14	Peak Integrated by Software
Q1523-02MS	PP070398.D	AR-1016-5	yogesh	3/11/2025 8:30:39 AM	Ankita	3/11/2025 9:26:14	Peak Integrated by Software
Q1523-02MS	PP070398.D	AR-1260-3 #2	yogesh	3/11/2025 8:30:39 AM	Ankita	3/11/2025 9:26:14	Peak Integrated by Software
Q1523-02MS	PP070398.D	Tetrachloro-m-xylene	yogesh	3/11/2025 8:30:39 AM	Ankita	3/11/2025 9:26:14	Peak Integrated by Software
Q1523-02MSD	PP070399.D	AR-1016-1 #2	yogesh	3/11/2025 8:30:41 AM	Ankita	3/11/2025 9:26:15	Peak Integrated by Software
Q1523-02MSD	PP070399.D	AR-1016-2 #2	yogesh	3/11/2025 8:30:41 AM	Ankita	3/11/2025 9:26:15	Peak Integrated by Software
Q1523-02MSD	PP070399.D	AR-1016-3 #2	yogesh	3/11/2025 8:30:41 AM	Ankita	3/11/2025 9:26:15	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP031025	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1523-02MSD	PP070399.D	AR-1016-4	yogesh	3/11/2025 8:30:41 AM	Ankita	3/11/2025 9:26:15	Peak Integrated by Software
Q1523-02MSD	PP070399.D	AR-1016-4 #2	yogesh	3/11/2025 8:30:41 AM	Ankita	3/11/2025 9:26:15	Peak Integrated by Software
Q1523-02MSD	PP070399.D	AR-1016-5	yogesh	3/11/2025 8:30:41 AM	Ankita	3/11/2025 9:26:15	Peak Integrated by Software
Q1523-02MSD	PP070399.D	AR-1016-5 #2	yogesh	3/11/2025 8:30:41 AM	Ankita	3/11/2025 9:26:15	Peak Integrated by Software
Q1523-02MSD	PP070399.D	AR-1260-3 #2	yogesh	3/11/2025 8:30:41 AM	Ankita	3/11/2025 9:26:15	Peak Integrated by Software
Q1523-02MSD	PP070399.D	Tetrachloro-m-xylene	yogesh	3/11/2025 8:30:41 AM	Ankita	3/11/2025 9:26:15	Peak Integrated by Software
Q1523-05	PP070400.D	Tetrachloro-m-xylene	yogesh	3/11/2025 8:30:42 AM	Ankita	3/11/2025 9:26:17	Peak Integrated by Software
AR1242CCC500	PP070406.D	AR-1242-3 #2	yogesh	3/11/2025 8:30:46 AM	Ankita	3/11/2025 9:26:21	Peak Integrated by Software
AR1248CCC500	PP070407.D	AR-1248-1 #2	yogesh	3/11/2025 8:30:47 AM	Ankita	3/11/2025 9:26:22	Peak Integrated by Software
AR1254CCC500	PP070408.D	AR-1254-4 #2	yogesh	3/11/2025 8:30:49 AM	Ankita	3/11/2025 9:26:24	Peak Integrated by Software
AR1242CCC500	PP070413.D	AR-1242-1	yogesh	3/11/2025 8:30:51 AM	Ankita	3/11/2025 9:26:26	Peak Integrated by Software
AR1242CCC500	PP070413.D	AR-1242-1 #2	yogesh	3/11/2025 8:30:51 AM	Ankita	3/11/2025 9:26:26	Peak Integrated by Software
AR1248CCC500	PP070414.D	AR-1248-1 #2	yogesh	3/11/2025 8:30:52 AM	Ankita	3/11/2025 9:26:27	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP031025	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP070415.D	AR-1254-4 #2	yogesh	3/11/2025 8:30:54 AM	Ankita	3/11/2025 9:26:29	Peak Integrated by Software

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP022425

Review By	yogesh	Review On	2/25/2025 9:00:36 AM		
Supervise By	Ankita	Supervise On	2/25/2025 9:48:29 AM		
SubDirectory	PP022425	HP Acquire Method		HP Processing Method	PP022425

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,PP2376 5,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	PP069994.D	24 Feb 2025 14:27	YP\AJ	Ok
2	I.BLK	PP069995.D	24 Feb 2025 14:43	YP\AJ	Ok
3	AR1660ICC1000	PP069996.D	24 Feb 2025 14:59	YP\AJ	Ok
4	AR1660ICC750	PP069997.D	24 Feb 2025 15:15	YP\AJ	Ok
5	AR1660ICC500	PP069998.D	24 Feb 2025 15:32	YP\AJ	Ok
6	AR1660ICC250	PP069999.D	24 Feb 2025 15:48	YP\AJ	Ok
7	AR1660ICC050	PP070000.D	24 Feb 2025 16:04	YP\AJ	Ok,M
8	AR1221ICC500	PP070001.D	24 Feb 2025 16:20	YP\AJ	Ok,M
9	AR1232ICC500	PP070002.D	24 Feb 2025 16:37	YP\AJ	Ok
10	AR1242ICC1000	PP070003.D	24 Feb 2025 16:53	YP\AJ	Ok
11	AR1242ICC750	PP070004.D	24 Feb 2025 17:09	YP\AJ	Ok,M
12	AR1242ICC500	PP070005.D	24 Feb 2025 17:25	YP\AJ	Ok
13	AR1242ICC250	PP070006.D	24 Feb 2025 17:42	YP\AJ	Ok,M
14	AR1242ICC050	PP070007.D	24 Feb 2025 17:58	YP\AJ	Ok,M
15	AR1248ICC1000	PP070008.D	24 Feb 2025 18:14	YP\AJ	Ok
16	AR1248ICC750	PP070009.D	24 Feb 2025 18:30	YP\AJ	Ok
17	AR1248ICC500	PP070010.D	24 Feb 2025 18:46	YP\AJ	Ok
18	AR1248ICC250	PP070011.D	24 Feb 2025 19:03	YP\AJ	Ok
19	AR1248ICC050	PP070012.D	24 Feb 2025 19:19	YP\AJ	Ok,M
20	AR1254ICC1000	PP070013.D	24 Feb 2025 19:35	YP\AJ	Ok,M
21	AR1254ICC750	PP070014.D	24 Feb 2025 19:51	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP022425

Review By	yogesh	Review On	2/25/2025 9:00:36 AM		
Supervise By	Ankita	Supervise On	2/25/2025 9:48:29 AM		
SubDirectory	PP022425	HP Acquire Method		HP Processing Method	PP022425

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,PP2376 5,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	PP070015.D	24 Feb 2025 20:08	YP\AJ	Ok
23	AR1254ICC250	PP070016.D	24 Feb 2025 20:24	YP\AJ	Ok
24	AR1254ICC050	PP070017.D	24 Feb 2025 20:40	YP\AJ	Ok,M
25	AR1262ICC500	PP070018.D	24 Feb 2025 20:56	YP\AJ	Ok
26	AR1268ICC1000	PP070019.D	24 Feb 2025 21:12	YP\AJ	Ok
27	AR1268ICC750	PP070020.D	24 Feb 2025 21:29	YP\AJ	Ok,M
28	AR1268ICC500	PP070021.D	24 Feb 2025 21:45	YP\AJ	Ok
29	AR1268ICC250	PP070022.D	24 Feb 2025 22:01	YP\AJ	Ok,M
30	AR1268ICC050	PP070023.D	24 Feb 2025 22:17	YP\AJ	Ok,M
31	PP022425ICV500	PP070024.D	24 Feb 2025 22:34	YP\AJ	Ok
32	AR1242ICV500	PP070025.D	24 Feb 2025 22:50	YP\AJ	Ok
33	AR1248ICV500	PP070026.D	24 Feb 2025 23:06	YP\AJ	Ok
34	AR1254ICV500	PP070027.D	24 Feb 2025 23:22	YP\AJ	Ok
35	AR1268ICV500	PP070028.D	24 Feb 2025 23:38	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031025

Review By	yogesh	Review On	3/11/2025 8:31:10 AM		
Supervise By	Ankita	Supervise On	3/11/2025 9:27:08 AM		
SubDirectory	PP031025	HP Acquire Method		HP Processing Method	PP022425

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,PP2376 5,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	PP070389.D	10 Mar 2025 09:51	YP\AJ	Ok
2	AR1660CCC500	PP070390.D	10 Mar 2025 10:07	YP\AJ	Ok
3	AR1242CCC500	PP070391.D	10 Mar 2025 10:23	YP\AJ	Ok
4	AR1248CCC500	PP070392.D	10 Mar 2025 10:39	YP\AJ	Ok
5	AR1254CCC500	PP070393.D	10 Mar 2025 10:55	YP\AJ	Ok,M
6	I.BLK	PP070394.D	10 Mar 2025 11:12	YP\AJ	Ok
7	PB167043BL	PP070395.D	10 Mar 2025 13:28	YP\AJ	Ok
8	PB167043BS	PP070396.D	10 Mar 2025 13:44	YP\AJ	Ok
9	Q1523-02	PP070397.D	10 Mar 2025 14:01	YP\AJ	Ok,M
10	Q1523-02MS	PP070398.D	10 Mar 2025 14:17	YP\AJ	Ok,M
11	Q1523-02MSD	PP070399.D	10 Mar 2025 14:33	YP\AJ	Ok,M
12	Q1523-05	PP070400.D	10 Mar 2025 14:49	YP\AJ	Ok,M
13	Q1524-01	PP070401.D	10 Mar 2025 15:06	YP\AJ	Ok
14	Q1524-02	PP070402.D	10 Mar 2025 15:22	YP\AJ	Ok,M
15	Q1529-01	PP070403.D	10 Mar 2025 15:38	YP\AJ	Ok
16	Q1529-02	PP070404.D	10 Mar 2025 15:54	YP\AJ	Ok
17	AR1660CCC500	PP070405.D	10 Mar 2025 16:43	YP\AJ	Ok
18	AR1242CCC500	PP070406.D	10 Mar 2025 16:59	YP\AJ	Ok,M
19	AR1248CCC500	PP070407.D	10 Mar 2025 17:15	YP\AJ	Ok,M
20	AR1254CCC500	PP070408.D	10 Mar 2025 17:32	YP\AJ	Ok,M
21	I.BLK	PP070409.D	10 Mar 2025 17:48	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031025

Review By	yogesh	Review On	3/11/2025 8:31:10 AM		
Supervise By	Ankita	Supervise On	3/11/2025 9:27:08 AM		
SubDirectory	PP031025	HP Acquire Method		HP Processing Method	PP022425

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,PP2376 5,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	Q1529-03	PP070410.D	10 Mar 2025 18:04	YP\AJ	Ok
23	Q1529-04	PP070411.D	10 Mar 2025 18:20	YP\AJ	Ok
24	AR1660CCC500	PP070412.D	10 Mar 2025 19:10	YP\AJ	Ok
25	AR1242CCC500	PP070413.D	10 Mar 2025 19:26	YP\AJ	Ok,M
26	AR1248CCC500	PP070414.D	10 Mar 2025 19:43	YP\AJ	Ok,M
27	AR1254CCC500	PP070415.D	10 Mar 2025 19:59	YP\AJ	Ok,M
28	I.BLK	PP070416.D	10 Mar 2025 20:15	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP022425

Review By	yogesh	Review On	2/25/2025 9:00:36 AM		
Supervise By	Ankita	Supervise On	2/25/2025 9:48:29 AM		
SubDirectory	PP022425	HP Acquire Method		HP Processing Method	PP022425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP069994.D	24 Feb 2025 14:27		YP\AJ	Ok
2	I.BLK	I.BLK	PP069995.D	24 Feb 2025 14:43		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP069996.D	24 Feb 2025 14:59		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP069997.D	24 Feb 2025 15:15		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP069998.D	24 Feb 2025 15:32		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP069999.D	24 Feb 2025 15:48		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP070000.D	24 Feb 2025 16:04		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP070001.D	24 Feb 2025 16:20		YP\AJ	Ok,M
9	AR1232ICC500	AR1232ICC500	PP070002.D	24 Feb 2025 16:37		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP070003.D	24 Feb 2025 16:53		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP070004.D	24 Feb 2025 17:09		YP\AJ	Ok,M
12	AR1242ICC500	AR1242ICC500	PP070005.D	24 Feb 2025 17:25		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP070006.D	24 Feb 2025 17:42		YP\AJ	Ok,M
14	AR1242ICC050	AR1242ICC050	PP070007.D	24 Feb 2025 17:58		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP070008.D	24 Feb 2025 18:14		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP070009.D	24 Feb 2025 18:30		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP070010.D	24 Feb 2025 18:46		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP070011.D	24 Feb 2025 19:03		YP\AJ	Ok

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Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP022425

Review By	yogesh	Review On	2/25/2025 9:00:36 AM		
Supervise By	Ankita	Supervise On	2/25/2025 9:48:29 AM		
SubDirectory	PP022425	HP Acquire Method		HP Processing Method	PP022425

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	

19	AR1248ICC050	AR1248ICC050	PP070012.D	24 Feb 2025 19:19		YP\AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PP070013.D	24 Feb 2025 19:35		YP\AJ	Ok,M
21	AR1254ICC750	AR1254ICC750	PP070014.D	24 Feb 2025 19:51		YP\AJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP070015.D	24 Feb 2025 20:08		YP\AJ	Ok
23	AR1254ICC250	AR1254ICC250	PP070016.D	24 Feb 2025 20:24		YP\AJ	Ok
24	AR1254ICC050	AR1254ICC050	PP070017.D	24 Feb 2025 20:40		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP070018.D	24 Feb 2025 20:56		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP070019.D	24 Feb 2025 21:12		YP\AJ	Ok
27	AR1268ICC750	AR1268ICC750	PP070020.D	24 Feb 2025 21:29		YP\AJ	Ok,M
28	AR1268ICC500	AR1268ICC500	PP070021.D	24 Feb 2025 21:45		YP\AJ	Ok
29	AR1268ICC250	AR1268ICC250	PP070022.D	24 Feb 2025 22:01		YP\AJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PP070023.D	24 Feb 2025 22:17		YP\AJ	Ok,M
31	PP022425ICV500	ICVPP022425	PP070024.D	24 Feb 2025 22:34		YP\AJ	Ok
32	AR1242ICV500	ICVPP022425AR1242	PP070025.D	24 Feb 2025 22:50		YP\AJ	Ok
33	AR1248ICV500	ICVPP022425AR1248	PP070026.D	24 Feb 2025 23:06		YP\AJ	Ok
34	AR1254ICV500	ICVPP022425AR1254	PP070027.D	24 Feb 2025 23:22		YP\AJ	Ok
35	AR1268ICV500	ICVPP022425AR1268	PP070028.D	24 Feb 2025 23:38		YP\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031025

Review By	yogesh	Review On	3/11/2025 8:31:10 AM		
Supervise By	Ankita	Supervise On	3/11/2025 9:27:08 AM		
SubDirectory	PP031025	HP Acquire Method		HP Processing Method	PP022425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP070389.D	10 Mar 2025 09:51		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP070390.D	10 Mar 2025 10:07		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP070391.D	10 Mar 2025 10:23		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP070392.D	10 Mar 2025 10:39		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP070393.D	10 Mar 2025 10:55		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP070394.D	10 Mar 2025 11:12		YP\AJ	Ok
7	PB167043BL	PB167043BL	PP070395.D	10 Mar 2025 13:28		YP\AJ	Ok
8	PB167043BS	PB167043BS	PP070396.D	10 Mar 2025 13:44		YP\AJ	Ok
9	Q1523-02	WC-A1-01-C	PP070397.D	10 Mar 2025 14:01		YP\AJ	Ok,M
10	Q1523-02MS	WC-A1-01-CMS	PP070398.D	10 Mar 2025 14:17		YP\AJ	Ok,M
11	Q1523-02MSD	WC-A1-01-CMSD	PP070399.D	10 Mar 2025 14:33		YP\AJ	Ok,M
12	Q1523-05	WC-A1-02-C	PP070400.D	10 Mar 2025 14:49		YP\AJ	Ok,M
13	Q1524-01	72-11930-343-COMP	PP070401.D	10 Mar 2025 15:06		YP\AJ	Ok
14	Q1524-02	VNJ-241	PP070402.D	10 Mar 2025 15:22		YP\AJ	Ok,M
15	Q1529-01	60300	PP070403.D	10 Mar 2025 15:38		YP\AJ	Ok
16	Q1529-02	60301	PP070404.D	10 Mar 2025 15:54		YP\AJ	Ok
17	AR1660CCC500	AR1660CCC500	PP070405.D	10 Mar 2025 16:43		YP\AJ	Ok
18	AR1242CCC500	AR1242CCC500	PP070406.D	10 Mar 2025 16:59		YP\AJ	Ok,M

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Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031025

Review By	yogesh	Review On	3/11/2025 8:31:10 AM		
Supervise By	Ankita	Supervise On	3/11/2025 9:27:08 AM		
SubDirectory	PP031025	HP Acquire Method		HP Processing Method	PP022425

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	

19	AR1248CCC500	AR1248CCC500	PP070407.D	10 Mar 2025 17:15		YP\AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP070408.D	10 Mar 2025 17:32		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP070409.D	10 Mar 2025 17:48		YP\AJ	Ok
22	Q1529-03	60303	PP070410.D	10 Mar 2025 18:04		YP\AJ	Ok
23	Q1529-04	60289	PP070411.D	10 Mar 2025 18:20		YP\AJ	Ok
24	AR1660CCC500	AR1660CCC500	PP070412.D	10 Mar 2025 19:10		YP\AJ	Ok
25	AR1242CCC500	AR1242CCC500	PP070413.D	10 Mar 2025 19:26		YP\AJ	Ok,M
26	AR1248CCC500	AR1248CCC500	PP070414.D	10 Mar 2025 19:43		YP\AJ	Ok,M
27	AR1254CCC500	AR1254CCC500	PP070415.D	10 Mar 2025 19:59		YP\AJ	Ok,M
28	I.BLK	I.BLK	PP070416.D	10 Mar 2025 20:15		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/10/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 03/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 03/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134943

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
Q1523-02	WC-AI-01-C	1	1.15	8.56	9.71	7.88	78.6	
Q1523-05	WC-AI-02-C	2	1.15	8.73	9.88	7.96	78.0	
Q1524-01	72-11930-343-COMP	3	1.15	8.69	9.84	8.84	88.5	
Q1524-02	VNJ-241	4	1.16	8.62	9.78	8.82	88.9	
Q1526-05	SVOC-GPC-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q1526-06	PEST-GPC-BLANK	6	1.00	1.00	2.00	2.00	100.0	
Q1526-07	PEST-GPC-BLANK-SPIKE	7	1.00	1.00	2.00	2.00	100.0	
Q1526-08	PCB-GPC-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q1526-09	PCB-GPC-BLANK-SPIKE	9	1.00	1.00	2.00	2.00	100.0	
Q1526-10	SVOC-GPC2-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q1526-11	PEST-GPC2-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q1526-12	PEST-GPC2-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q1526-13	PCB-GPC2-BLANK	13	1.00	1.00	2.00	2.00	100.0	
Q1526-14	PCB-GPC2-BLANK-SPIKE	14	1.00	1.00	2.00	2.00	100.0	
Q1527-01	022825-SEALPOT	15	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1527-02	030425-A	16	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1527-03	030425-B	17	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1529-01	60300	18	1.15	8.43	9.58	9.48	98.8	
Q1529-02	60301	19	1.15	8.83	9.98	6.71	63.0	
Q1529-03	60303	20	1.12	8.71	9.83	7.43	72.4	
Q1529-04	60289	21	1.00	1.00	2.00	2.00	100.0	debris
Q1530-01	1-WIPE	22	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1530-02	2-WIPE	23	1.00	1.00	2.00	2.00	100.0	wipe sample

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

WORKLIST(Hardcopy Internal Chain)

VB B34943

WorkList Name : %1-030725 **WorkList ID :** 188107 **Department :** Wet-Chemistry **Date :** 03-07-2025 09:05:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1523-02	WC-AI-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	I31	03/06/2025	Chemtech -SO
Q1523-05	WC-AI-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	I31	03/06/2025	Chemtech -SO
Q1524-01	72-11930-343-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	03/07/2025	Chemtech -SO
Q1524-02	VNJ-241	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	03/07/2025	Chemtech -SO
Q1526-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1526-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1526-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1526-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1526-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1526-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1526-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1526-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1526-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1526-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1527-01	022825-SEALPOT	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/07/2025	Chemtech -SO
Q1527-02	030425-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/07/2025	Chemtech -SO
Q1527-03	030425-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/07/2025	Chemtech -SO
Q1529-01	60300	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/07/2025	Chemtech -SO
Q1529-02	60301	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/07/2025	Chemtech -SO
Q1529-03	60303	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/07/2025	Chemtech -SO
Q1529-04	60289	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/07/2025	Chemtech -SO

Date/Time 03107125 15:00

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 03/07/25 17:10

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VB134943

WorkList Name : %1-030725 **WorkList ID :** 188107 **Department :** Wet-Chemistry **Date :** 03-07-2025 09:05:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1530-01	1-WIPE	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/07/2025	Chemtech -SO
Q1530-02	2-WIPE	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/07/2025	Chemtech -SO

Date/Time 03107125 15:00
Raw Sample Received by: [signature]
Raw Sample Relinquished by: [signature]

Date/Time 03107125 17:10
Raw Sample Received by: [signature]
Raw Sample Relinquished by: [signature]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167043

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: EH

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 : 03/10/2025

Extraction Start Time : 08:35

Extraction End Date : 03/10/2025

Extraction End Time : 11:35

Concentration By: EH

Supervisor By : RUPESH

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24209
Surrogate	1.0ML	200 PPB	PP24217
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2592
Baked Na2SO4	N/A	EP2593
Sand	N/A	E2865
Hexane	N/A	E3877
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721. Q1529-04 Used Limited volume as samples is oily debris.

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
3/10/25	RS (Ext-Lab)	Y-P Pest IP 43.
11:40	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167043

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 03/10/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167043BL	ABLK043	PCB	30.02	N/A	ritesh	Evelyn	10			U6-1
PB167043BS	ALCS043	PCB	30.01	N/A	ritesh	Evelyn	10			2
Q1523-02	WC-AI-01-C	PCB	30.05	N/A	ritesh	Evelyn	10	E		3
Q1523-02MS	WC-AI-01-CMS	PCB	30.06	N/A	ritesh	Evelyn	10	E		4
Q1523-02MSD	WC-AI-01-CMSD	PCB	30.01	N/A	ritesh	Evelyn	10	E		5
Q1523-05	WC-AI-02-C	PCB	30.02	N/A	ritesh	Evelyn	10	E		6
Q1524-01	72-11930-343-COMP	PCB	30.08	N/A	ritesh	Evelyn	10	E		U7-1
Q1524-02	VNJ-241	PCB	30.06	N/A	ritesh	Evelyn	10	E		2
Q1529-01	60300	PCB	30.03	N/A	ritesh	Evelyn	10	E	Small Partical	3
Q1529-02	60301	PCB	30.05	N/A	ritesh	Evelyn	10	E	Small Partical	4
Q1529-03	60303	PCB	30.04	N/A	ritesh	Evelyn	10	E		5
Q1529-04	60289	PCB	5.07	N/A	ritesh	Evelyn	10	E	Oily Debris	6

RS
3/10

* **Extracts relinguished on the same date as received.**

1670 43 8:35

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1523 **WorkList ID :** 188141 **Department :** Extraction **Date :** 03-10-2025 08:30:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1523-02	WC-AI-01-C	Solid	PCB	Cool 4 deg C	ENTA05	I31	03/06/2025	8082A
Q1523-05	WC-AI-02-C	Solid	PCB	Cool 4 deg C	ENTA05	I31	03/06/2025	8082A
Q1524-01	72-11930-343-COMP	Solid	PCB	Cool 4 deg C	PSEG03	K31	03/07/2025	8082A
Q1524-02	VNJ-241	Solid	PCB	Cool 4 deg C	PSEG03	K31	03/07/2025	8082A
Q1529-01	60300	Solid	PCB	Cool 4 deg C	PSEG03	I31	03/07/2025	8082A
Q1529-02	60301	Solid	PCB	Cool 4 deg C	PSEG03	I31	03/07/2025	8082A
Q1529-03	60303	Solid	PCB	Cool 4 deg C	PSEG03	I31	03/07/2025	8082A
Q1529-04	60289	Solid	PCB	Cool 4 deg C	PSEG03	I31	03/07/2025	8082A

Date/Time 03/10/25 8:30
Raw Sample Received by: RJ LEH-Lab
Raw Sample Relinquished by:

Date/Time 03/10/25 8:45
Raw Sample Received by:
Raw Sample Relinquished by: RJ LEH-Lab

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

Prep Standard - Chemical Standard Summary

Order ID : Q1523

Test : PCB

Prepbatch ID : PB167043,

Sequence ID/Qc Batch ID: PP031025,

Standard ID :

EP2565,EP2592,EP2593,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,PP23946,PP23947,PP24209,PP24217,

Chemical ID :

E2865,E3551,E3804,E3805,E3825,E3876,E3877,M5173,P10483,P10500,P11507,P11512,P11521,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12947,P12948,P12957,P13033,P13350,P13354,P13372,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024

FROM 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2592	02/27/2025	08/12/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 02/27/2025

FROM 4000.00000ml of E3876 + 4000.00000ml of E3877 = Final Quantity: 8000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2593	03/07/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 03/07/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24209	02/27/2025	08/27/2025	Ankita Jodhani	None	None	Yogesh Patel 03/06/2025

FROM 0.50000ml of P12948 + 99.50000ml of E3876 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP24217	03/05/2025	08/25/2025	Abdul Mirza	None	None	Yogesh Patel 03/06/2025

FROM 1.00000ml of P13354 + 999.00000ml of E3876 = Final Quantity: 1000.000 ml

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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	06/30/2025	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	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/30/2025	09/30/2024 / Rajesh	09/25/2024 / Rajesh	E3805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

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Fax : 908 789 8922

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)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

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	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

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

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006626997	04/03/2025	10/03/2024 / Ankita	02/21/2022 / Ankita	P11512

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CHEMICAL RECEIPT LOG BOOK

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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	a0203672	04/03/2025	10/03/2024 / Ankita	12/07/2023 / Ankita	P12929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul	a0202803	04/03/2025	10/03/2024 / Ankita	12/07/2023 / Ankita	P12934

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12947

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	08/27/2025	02/27/2025 / Ankita	12/20/2023 / Yogesh	P12948

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Arochlor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	90165 / Aroclor 1262	112322	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P13033

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

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	09/05/2025	03/05/2025 / Abdul	04/22/2024 / Abdul	P13354

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

avantor™ | J.T.Baker®

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	<= 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

James T Ethier

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 QUIMICOS 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_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_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 foreing 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.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

Acetone
CMOS

avantor™ | J.T.Baker®

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 ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.5	0.1
Water (H_2O)	≤ 0.5 %	0.1 %
Solubility in H_2O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities - Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities - Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities - Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities - Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Recd by RP on 9/25/24

E 3804

Acetone
CMOS

avantor™ | J.T.Baker®

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

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

Test	Specification	Result

For Microelectronic Use

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

Michelle Bales
Sr. Manager, Quality Assurance

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

avantor™ | J.T.Baker®

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_2SO_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

E3805

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

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

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_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

E3825

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) 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

Recd. by RP on 2/12/25

E 3876

JCroak
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

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RP on 2/12/25

E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

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

Material No.: 9530-33
Batch No.: 0000281827

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

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

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Certificate #3222.02

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	1,007.0 µg/mL	+/- 5.8683	µg/mL	Gravimetric
	CAS # 12674-11-2 (Lot 04)		+/- 31.9082	µg/mL	Unstressed
	Purity ----%		+/- 41.6868	µg/mL	Stressed
2	Aroclor 1260	1,008.0 µg/mL	+/- 5.8741	µg/mL	Gravimetric
	CAS # 11096-82-5 (Lot 07)		+/- 31.9399	µg/mL	Unstressed
	Purity ----%		+/- 41.7282	µg/mL	Stressed

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

P10476
&
P10480

AR
02/19/21

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

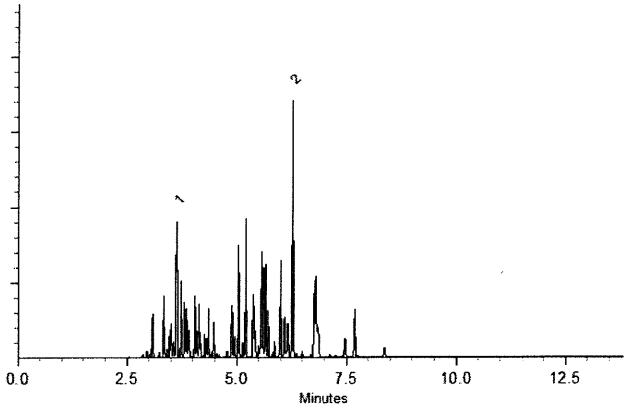
Carrier Gas:
helium-constant pressure 20 psi.

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

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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
J
P10500

AJ
09/19/21

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

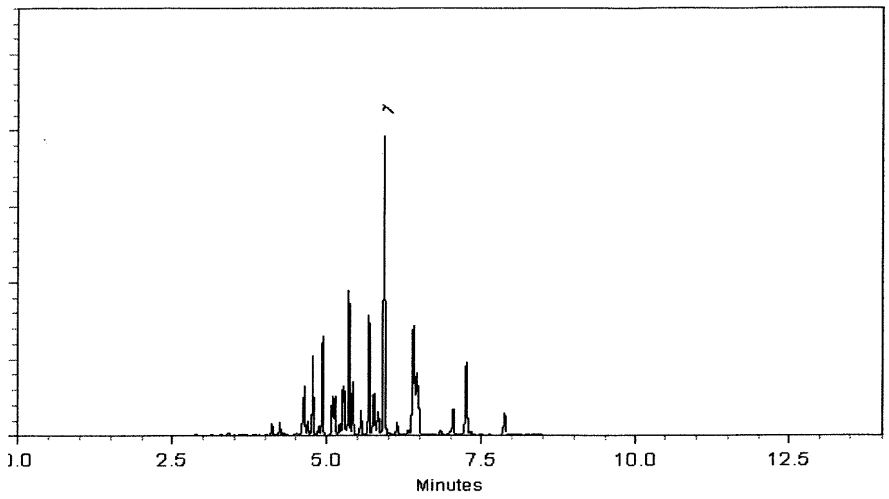
Carrier Gas:
helium-constant pressure 20 psi.

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 - Operations Tech I

Date Mixed: 03-Jan-2021 **Balance:** B707717271

Marlina 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

	CERTIFIED VALUES			
Component Name	Concentration	Expanded Uncertainty	CAS#	Analyte Lot
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.

P11533 + P11537

AJ 02/21/22

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

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

	CERTIFIED VALUES				
Component Name	Concentration		Expanded Uncertainty	CAS#	Analyte Lot
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 12/21/22

Maintenance of Certification:
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Sample lot approver:

Monica Bourgeois
QMS Representative

P11518 ↓ P11522 AJ 02/21/22

Agilent

Certificate of Analysis

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:

M Bourgeois

Monica Bourgeois
QMS Representative

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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

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CSD-QA-015.1

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

Catalog No. : 32007 **Lot No.:** A0175456

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : November 30, 2027 **Storage:** 25°C nominal

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

CERTIFIED VALUES

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

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

P 11578 ↓ P 11582 (S)

AR 04/30/22

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

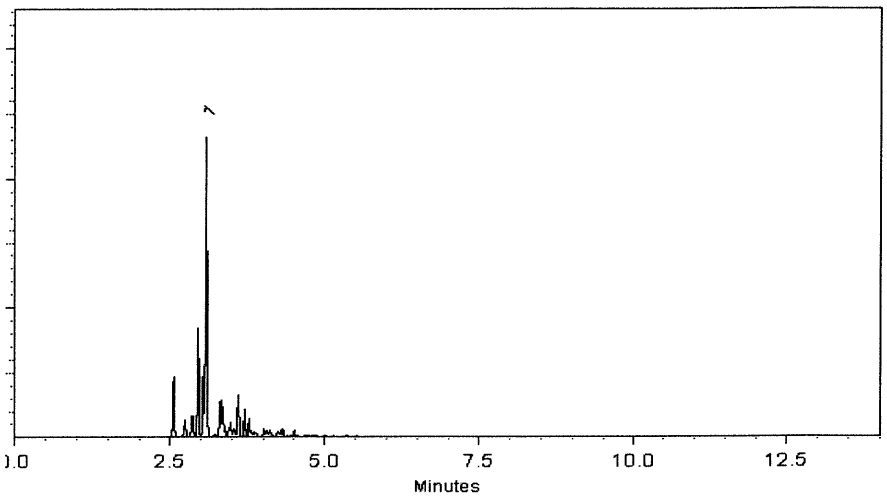
Carrier Gas:
helium-constant pressure 20 psi.

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

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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

Sam Moodler - Operations Tech I

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

Marlina Cowan - Operations Tech I

Date Passed: 18-Aug-2021

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

P11578 ↓ P11582 (5)

AR 04/30/22

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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 ↓ P11597 (S)

AR 04/30/22

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

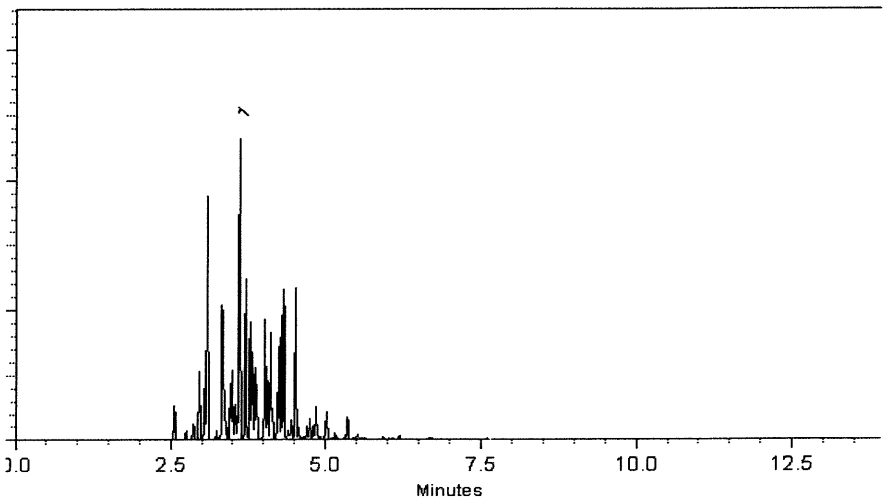
Carrier Gas:
helium-constant pressure 20 psi.

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 - Operations Tech I

Date Mixed: 13-Jun-2021 **Balance:** B442140311

Alexis Shelow - Operations Tech I

Date Passed: 16-Jun-2021

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

P11583 ↓ P11587 | (5)

AR 04/30/22

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32011 **Lot No.:** A0175403

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : November 30, 2027 **Storage:** 25°C nominal

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

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Aroclor 1254	1,000.7 µg/mL	+/- 5.9437 µg/mL	Gravimetric
	CAS # 11097-69-1 (Lot 124-191-B)		+/- 31.7284 µg/mL	Unstressed
	Purity ----%		+/- 41.4406 µg/mL	Stressed

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

P11588 ↓ P11592 | 5

AR 04/30/2022

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

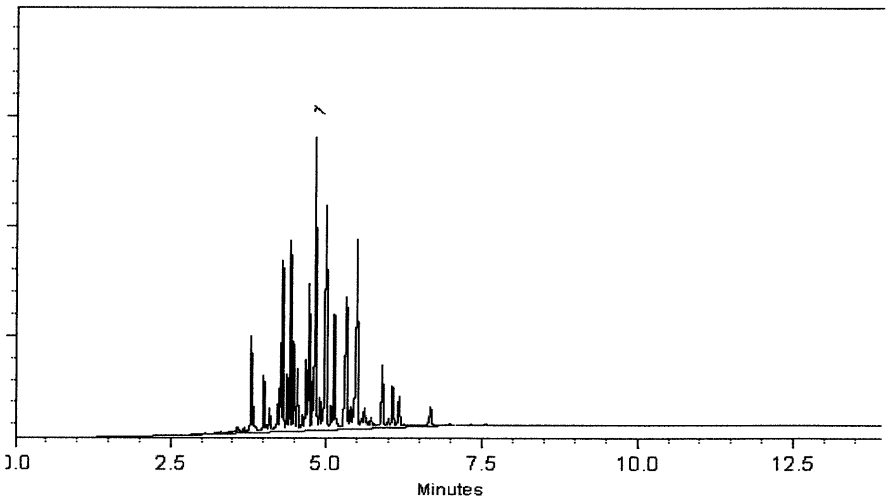
Carrier Gas:
helium-constant pressure 20 psi.

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 - Mix Technician

Date Mixed: 15-Aug-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 17-Aug-2021

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

P11588 | (5)
1
P11592

AR
04/30/22

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32410 **Lot No.:** A0181782

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

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

Expiration Date : May 31, 2028 **Storage:** 25°C nominal

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

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1268	1,001.4 µg/mL	+/- 5.9480	µg/mL	Gravimetric
	CAS # 11100-14-4 (Lot 10947000)		+/- 31.7516	µg/mL	Unstressed
	Purity ----%		+/- 41.4710	µg/mL	Stressed

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

P 11593 (5)
↓
P 11597

AR 04/30/2022

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

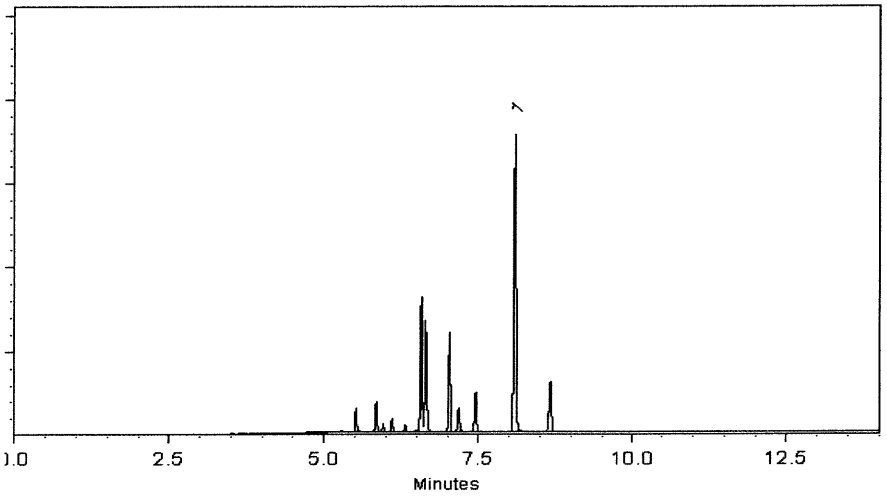
Carrier Gas:
helium-constant pressure 20 psi.

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.

Penelope Riglin - Operations Tech I

Date Mixed: 14-Feb-2022 **Balance:** 1128360905

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
04/30/2022

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Certified Refere

CERTIFIED WEIGHT REPORT

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

Solvent(
Aceton

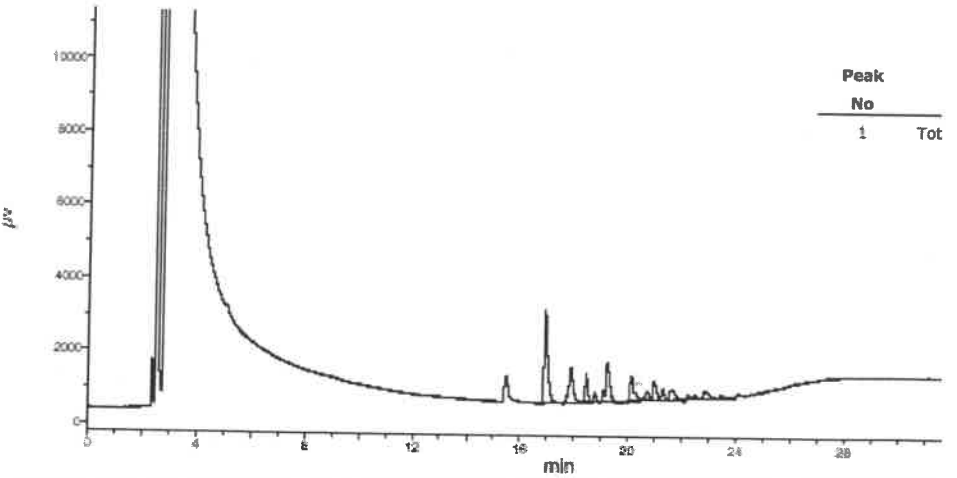
5E-05 Balance Uncertainty
0.057 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0

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

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

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



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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
12/07/23

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

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

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

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.)

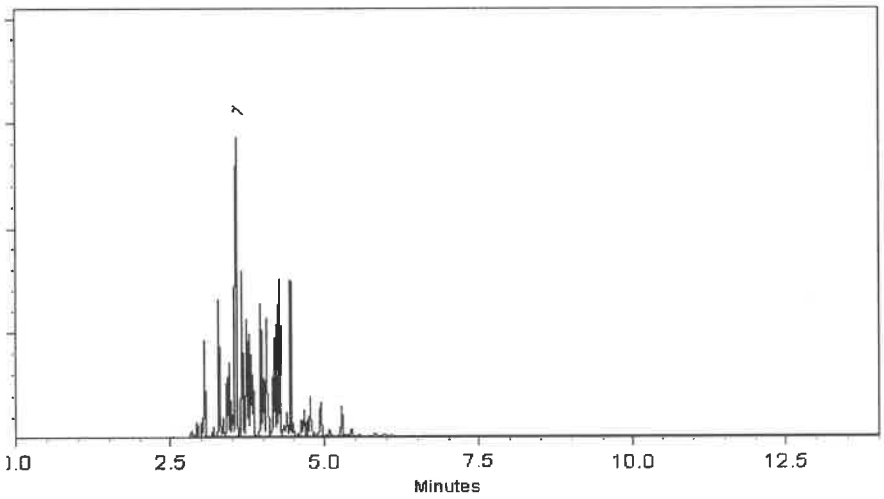
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



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 Bookhamer - Operations Technician I

Date Mixed: 26-Oct-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Nov-2023

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

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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.

P12933 ↓ P12937 AJ 12/07/23

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

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

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

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

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.)

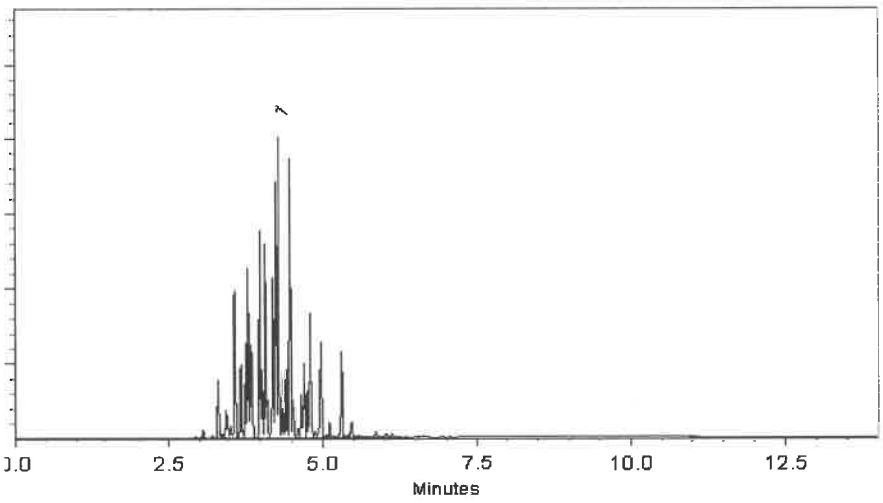
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



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:** 03-Oct-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 09-Oct-2023

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

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CERTIFIED WEIGHT REPORT

Part Number:	20064
Lot Number:	022023
Description:	CLP PCB'S - Aroclor Mix
	Aroclors 1016 & 1260
Expiration Date:	022033
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

Solvent(s):	Lot#
Hexane	273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

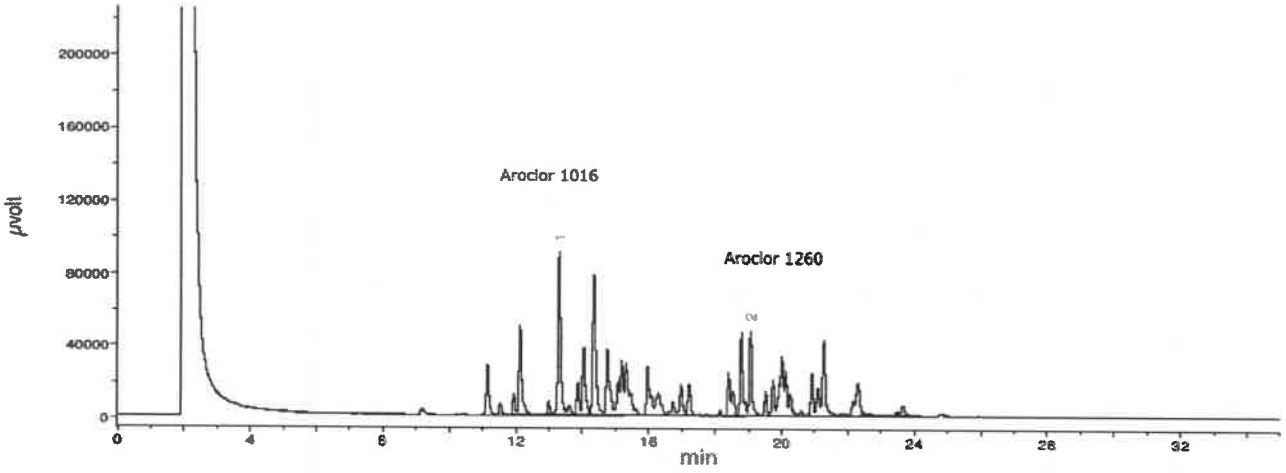
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 — Y.P. 12/20/23

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)	SDS Information (Solvent Safety Info. On Attached pg.) 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).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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



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CERTIFIED WEIGHT REPORT

Part Number:	20064
Lot Number:	022023
Description:	CLP PCB'S - Aroclor Mix
	Aroclors 1016 & 1260
Expiration Date:	022033
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

Solvent(s):	Lot#
Hexane	273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

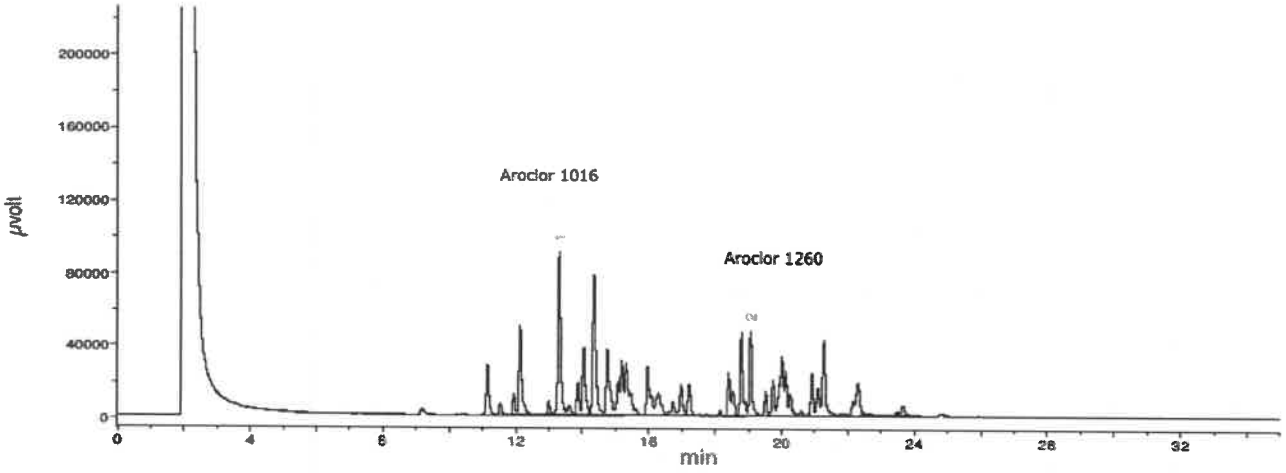
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 — Y.P. 12/20/23

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)	SDS Information (Solvent Safety Info. On Attached pg.) 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).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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



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CERTIFIED WEIGHT REPORT

Part Number:	99139	**Solvent(s):**	**Lot#**	
Lot Number:	121823	Iso-octane	82227	
Description:	Aroclor 1254			
Expiration Date:	121833			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	100			
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty	
Volume(s) shown below were combined and diluted to (mL):		20.0	0.003	Flask Uncertainty

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

P12956 & P12957 Y.P. 12/20/23

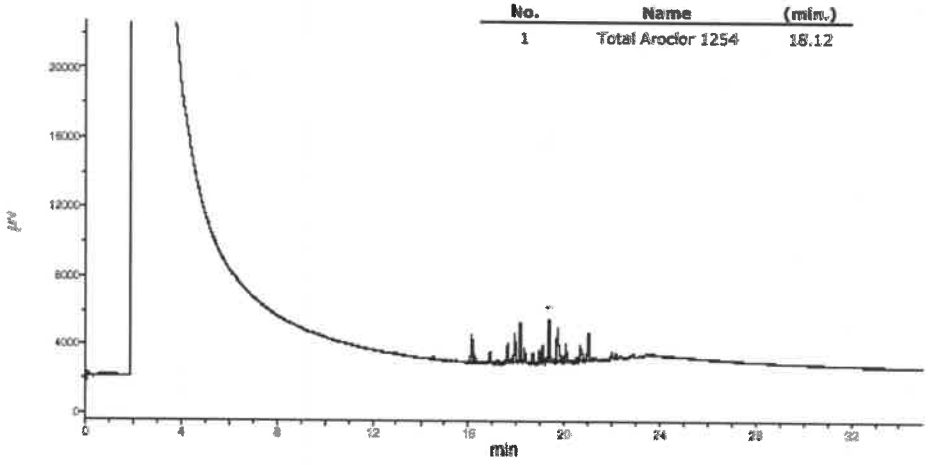
Note: Aroclor 1254 is a mix of isomers.

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

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

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

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



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CERTIFIED WEIGHT REPORT

Part Number: 90165
Lot Number: 112322
Description: Aroclor 1262

Solvent(s): Hexane **Lot#** 273615

Expiration Date: 112332
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 50.0 ± 0.005 Flask Uncertainty

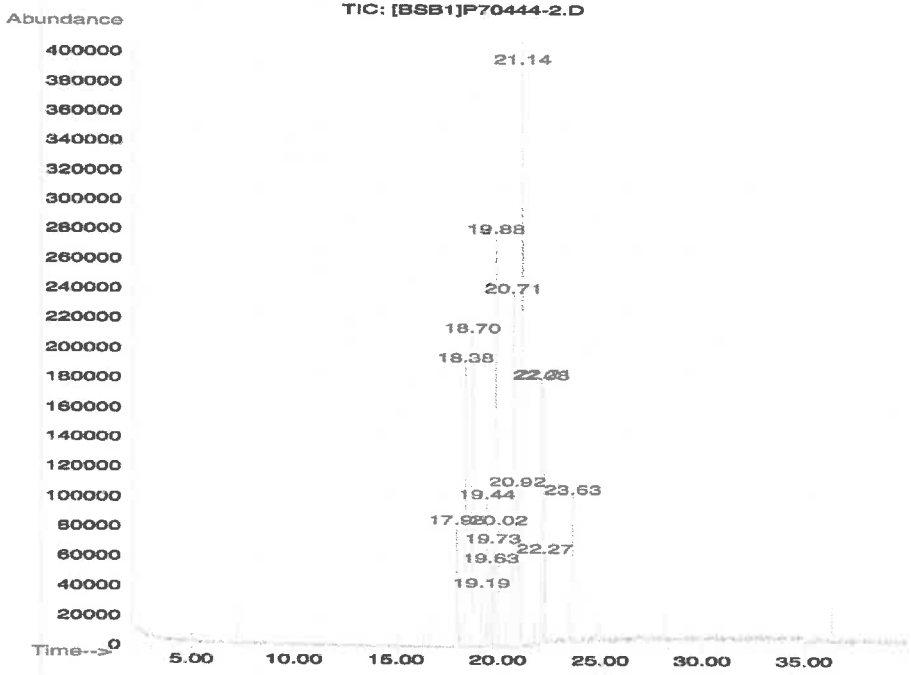
5E-05 Balance Uncertainty

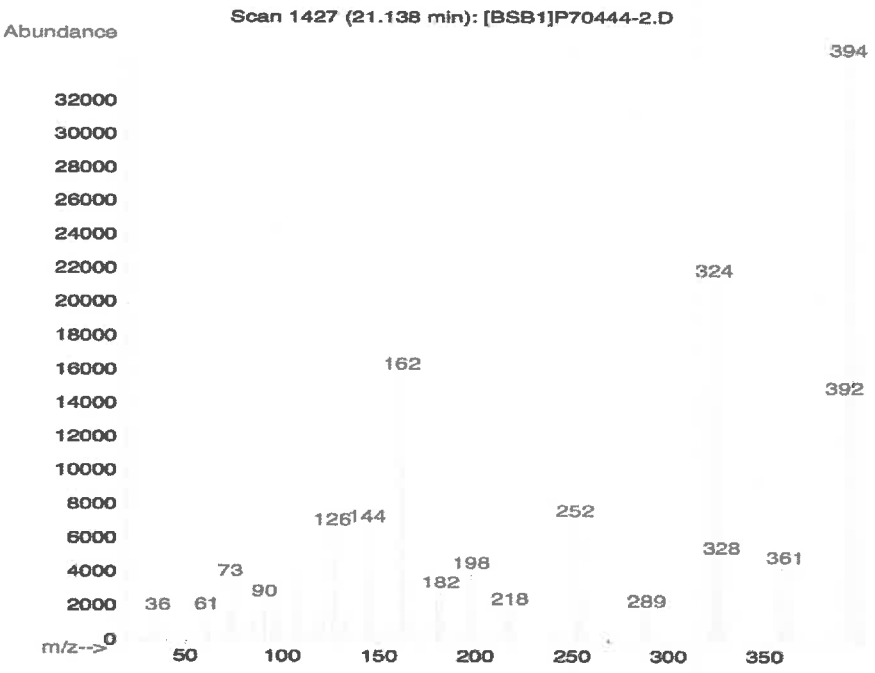
Formulated By:	Prashant Chauhan	112322 DATE
Reviewed By:	Pedro L. Rentas	112322 DATE

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)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1262	444	W-130-05	1000	100	0.2	0.05003	0.05016	1002.7	4.5	37324-23-5	N/A	orl-rat 11300mg/kg

Method GC7MSD-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.

P13032 2 P13033 Y.P. 12/21/23





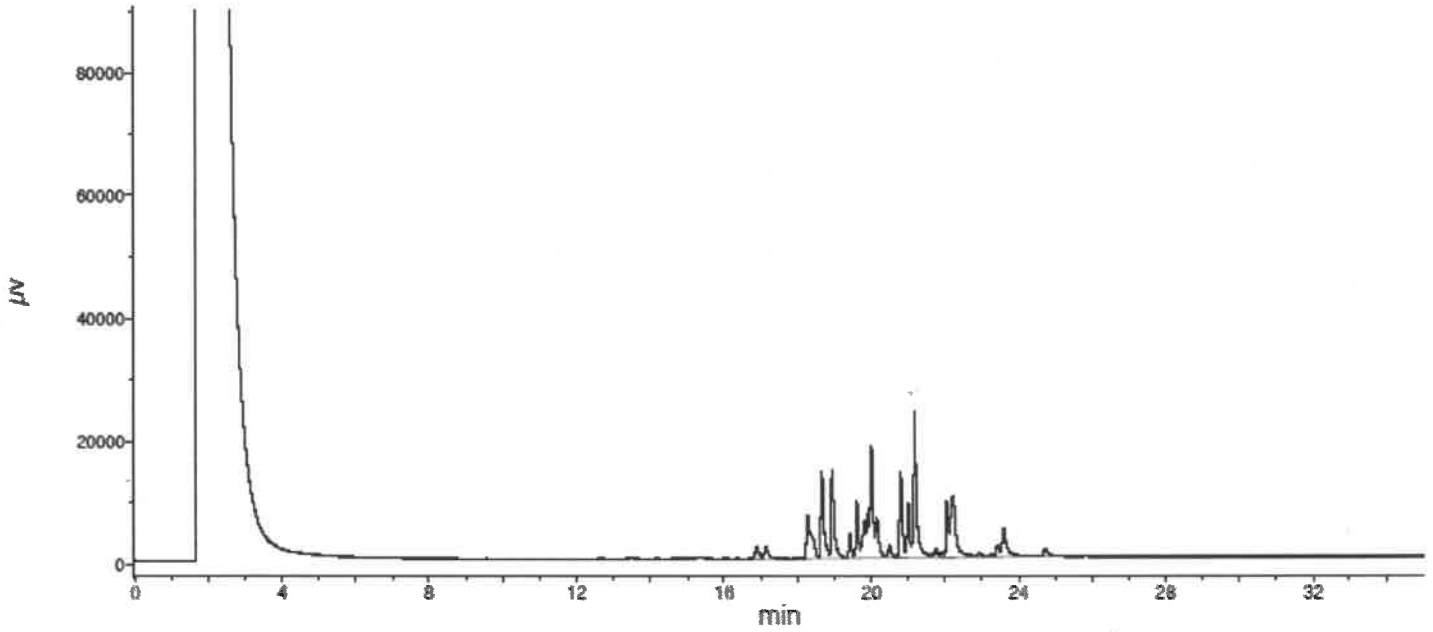
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, 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
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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P13348 ↓ P13357 (10)

04/25/2024

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

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:
hellum-constant pressure 20 psi.

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

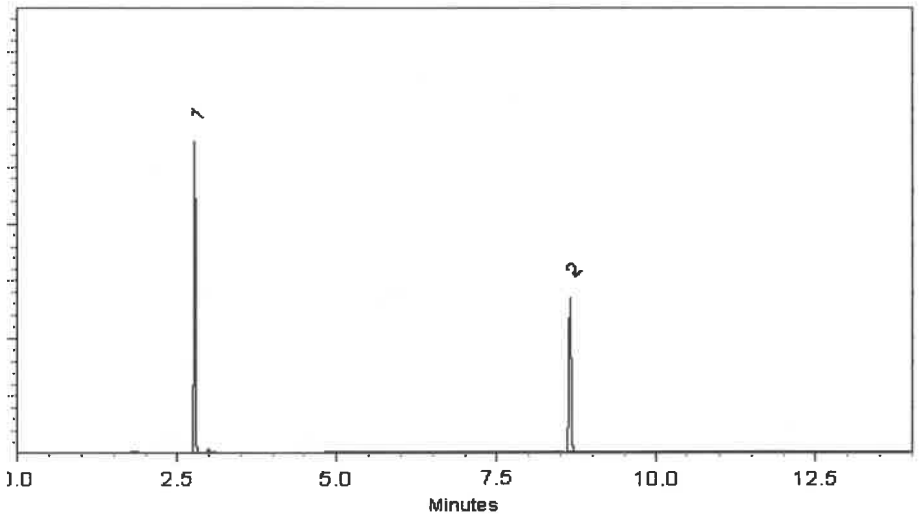
Inj. Temp:
250°C

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

P13348 (10)

↓

P13357

04/25/2025

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

P13348 ↓ P13357 (10)

04/25/2024

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

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:
hellum-constant pressure 20 psi.

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

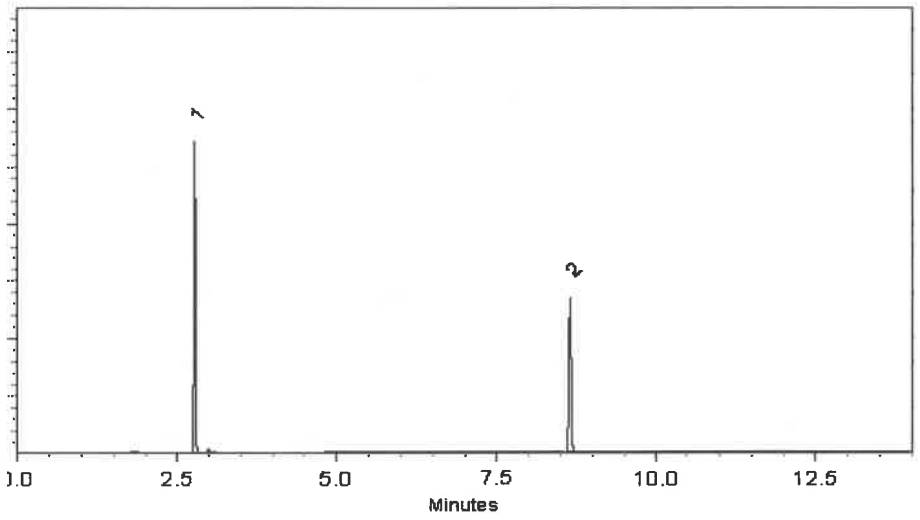
Inj. Temp:
250°C

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

P13348 (10)

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P13357

04/25/2025

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Aroclor 1221 Standard	**Lot Number:**	0006783205
Product Number:	PP-292-1	**Lot Issue Date:**	20-Feb-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**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.

P133f2
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P133f3

AJ
05106124

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

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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

ANAB ANSI National Accreditation Board ACCREDITED REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

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

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

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q1523

COC Number: 2042110

CLIENT INFORMATION

COMPANY: **ENTACT, LLC**
ADDRESS: **150 Bay Street, Suite 806**
CITY: **Jersey City** STATE: **NJ** ZIP: **07302**
ATTENTION: **Jarod Stanfield**
PHONE: **570-886-0442** FAX:

PROJECT INFORMATION

PROJECT NAME: **540 Degraw St Brooklyn, NY**
PROJECT #: **E9309** LOCATION: **Brooklyn, NY**
PROJECT MANAGER: **Jarod Stanfield**
E-MAIL: **jstanfield@entact.com**
PHONE: **570-886-0442** FAX:

BILLING INFORMATION

BILL TO: **ENTACT, LLC** PO# **E9309**
ADDRESS: **999 Oakmont Plaza Drive, Suite 300**
CITY: **Westmont** STATE: **IL** ZIP: **60559**
ATTENTION: **Wendy Murray** PHONE: **800-936-8228**

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*
HARD COPY: _____ DAYS*
EDD 5 DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other _____
- ☐ EDD Format _____

ANALYSIS

1	2	3	4	5	6	7	8	9
TCLP VOCs	TCLP ICP Metals	TCLP Herb	TCLP Pest	TCLP SVOCs	TCLP pH	I/C/R	PCBs	Oil & Grease

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	WC-A1-01-G	Soil		X	3/6	10:00	1	X									
2.	WC-A1-01-C	Soil	X		3/6	10:00	11		X	X	X	X	X	X	X	X	
3.	WC-A1-02-G	Soil		X	3/6	11:00	1	X									
4.	WC-A2-02-C	Soil	X		3/6	11:00	11		X	X	X	X	X	X	X	X	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

E = PRESERVATIVES

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. **Jarod Stanfield**	3/6 15:31	1. 3-7-25 0700
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 5.3°C ☐ Ice in Cooler?: _____

Comments:

Page _____ of _____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR RETURN TO CLIENT **YELLOW** - ALLIANCE COPY **PINK** - SAMPLER COPY

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Alliance Project Number: Q1523

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ANALYSIS

10	11	12	13	14	15	16		
ASTM COD	ASTM Ammonia-Nitrogen	ASTM O&G	ASTM TS	TS, TVS	pH	Paint Filter		

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								E	E	E	E	E	E	E			<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
1.	WC-A1-01-G	Soil		X	3/6	10:00	1										
2.	WC-A1-01-C	Soil	X		3/6	10:00	11	X	X	X	X	X	X	X			
3.	WC-A1-02-G	Soil		X	3/6	11:00	1										
4.	WC-A2-02-C	Soil	X		3/6	11:00	11	X	X	X	X	X	X	X			
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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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

QA Control Code: A2070148