284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q2928

Project ID : Residential Soil Testing

Client : Hero Construction

Lab Sample Number	Client Sample Number
Q2928-01	27-BELL
Q2928-02	27-BELL

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: 8/27/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

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 #: **Q2928**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **KETAN PATEL** **Date:** **08/27/2025**

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LAB CHRONICLE

OrderID:	Q2928	**OrderDate:**	8/21/2025 12:10:14 PM
Client:	Hero Construction	**Project:**	Residential Soil Testing
Contact:	Khadija Smith	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2928-01	**27-BELL**	**SOIL**			**08/21/25**			**08/21/25**
			PCB	8082A		08/22/25	08/22/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2928 **Order ID:** Q2928

Client: Hero Construction **Project ID:** Residential Soil Testing

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

QC SUMMARY

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Surrogate Summary

SDG No.: Q2928

Client: Hero Construction

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PP074490.D	PIBLK-PP074490.D	Tetrachloro-m-xyl	1	20	17.8	89		60	140
		Decachlorobiphen	1	20	18.2	91		60	140
		Tetrachloro-m-xyl	2	20	15.7	78		60	140
		Decachlorobiphen	2	20	16.9	85		60	140
I.BLK-PP074581.D	PIBLK-PP074581.D	Tetrachloro-m-xyl	1	20	18.1	91		60	140
		Decachlorobiphen	1	20	20.2	101		60	140
		Tetrachloro-m-xyl	2	20	14.8	74		60	140
		Decachlorobiphen	2	20	15.9	79		60	140
PB169359BL	PB169359BL	Tetrachloro-m-xyl	1	20	20.2	101		32	144
		Decachlorobiphen	1	20	22.7	113		32	175
		Tetrachloro-m-xyl	2	20	17.4	87		32	144
		Decachlorobiphen	2	20	18.3	91		32	175
PB169359BS	PB169359BS	Tetrachloro-m-xyl	1	20	21.6	108		32	144
		Decachlorobiphen	1	20	23.3	117		32	175
		Tetrachloro-m-xyl	2	20	18.7	93		32	144
		Decachlorobiphen	2	20	18.7	93		32	175
I.BLK-PP074596.D	PIBLK-PP074596.D	Tetrachloro-m-xyl	1	20	18.3	92		60	140
		Decachlorobiphen	1	20	20.1	101		60	140
		Tetrachloro-m-xyl	2	20	15.5	78		60	140
		Decachlorobiphen	2	20	15.6	78		60	140
Q2915-03MS	BRIDGE-EASTMS	Tetrachloro-m-xyl	1	20	21.5	108		32	144
		Decachlorobiphen	1	20	19.2	96		32	175
		Tetrachloro-m-xyl	2	20	19.0	95		32	144
		Decachlorobiphen	2	20	14.7	74		32	175
Q2915-03MSD	BRIDGE-EASTMSD	Tetrachloro-m-xyl	1	20	22.5	112		32	144
		Decachlorobiphen	1	20	19.4	97		32	175
		Tetrachloro-m-xyl	2	20	20.2	101		32	144
		Decachlorobiphen	2	20	15.4	77		32	175
Q2928-01	27-BELL	Tetrachloro-m-xyl	1	20	19.1	96		32	144
		Decachlorobiphen	1	20	16.4	82		32	175
		Tetrachloro-m-xyl	2	20	14.7	74		32	144
		Decachlorobiphen	2	20	10.5	53		32	175
I.BLK-PP074611.D	PIBLK-PP074611.D	Tetrachloro-m-xyl	1	20	18.1	90		60	140
		Decachlorobiphen	1	20	19.0	95		60	140
		Tetrachloro-m-xyl	2	20	15.2	76		60	140
		Decachlorobiphen	2	20	13.8	69		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2928 **Analytical Method:** 8082A

Client: Hero Construction **DataFile :** PP074599.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2915-03MS (Column 1)**	**Client Sample ID:**		**BRIDGE-EASTMS**								
	AR1016	197	0	188	ug/kg	95				55	146	
	AR1260	197	0	169	ug/kg	86				54	119	
Lab Sample ID:	**Q2915-03MS (Column 2)**	**Client Sample ID:**		**BRIDGE-EASTMS**								
	AR1016	197	0	186	ug/kg	94				55	146	
	AR1260	197	0	160	ug/kg	81				54	119	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2928 **Analytical Method:** 8082A

Client: Hero Construction **DataFile :** PP074600.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2915-03MSD (Column 1)**	**Client Sample ID:**		**BRIDGE-EASTMSD**								
	AR1016	196.9	0	193	ug/kg	98		3		55	146	15
	AR1260	196.9	0	176	ug/kg	89		3		54	119	15
Lab Sample ID:	**Q2915-03MSD (Column 2)**	**Client Sample ID:**		**BRIDGE-EASTMSD**								
	AR1016	196.9	0	192	ug/kg	98		4		55	146	15
	AR1260	196.9	0	166	ug/kg	84		4		54	119	15

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2928 **Analytical Method:** 8082A

Client: Hero Construction **Datafile :** PP074583.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169359BS (Column 1)	AR1016	166.6	156	ug/kg	94				71	120	
	AR1260	166.6	151	ug/kg	91				65	130	
PB169359BS (Column 2)	AR1016	166.6	140	ug/kg	84				71	120	
	AR1260	166.6	139	ug/kg	83				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB169359BL

Lab Name: Alliance | Contract: HERO01

Lab Code: ACE | SDG NO.: Q2928

Lab Sample ID: PB169359BL | Lab File ID: PP074582.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 08/22/2025

Date Analyzed (1): 08/22/2025 | Date Analyzed (2): 08/22/2025

Time Analyzed (1): 15:36 | Time Analyzed (2): 15:36

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
PB169359BS	PB169359BS	PP074583.D	08/22/2025	08/22/2025
BRIDGE-EASTMS	Q2915-03MS	PP074599.D	08/22/2025	08/22/2025
BRIDGE-EASTMSD	Q2915-03MSD	PP074600.D	08/22/2025	08/22/2025
27-BELL	Q2928-01	PP074605.D	08/22/2025	08/22/2025

COMMENTS:

SAMPLE DATA

Raw Data: **PP074605.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.3 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
PP074605.D	1	08/22/25 10:20	08/22/25 23:11	PB169359

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.9	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.9	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	19.9	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.9	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.9	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	19.9	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	19.9	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.9	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	19.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.1		32 - 144	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.4		32 - 175	82%	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: **PP074605.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 23:11
Operator : YP\AJ
Sample : Q2928-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
27-BELL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:37:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.659	3.802	23397830	71296455	19.121	14.745
2)	SA Decachlor...	10.435	8.815	16242301	78935594	16.448	10.526 #
	Target Compounds						

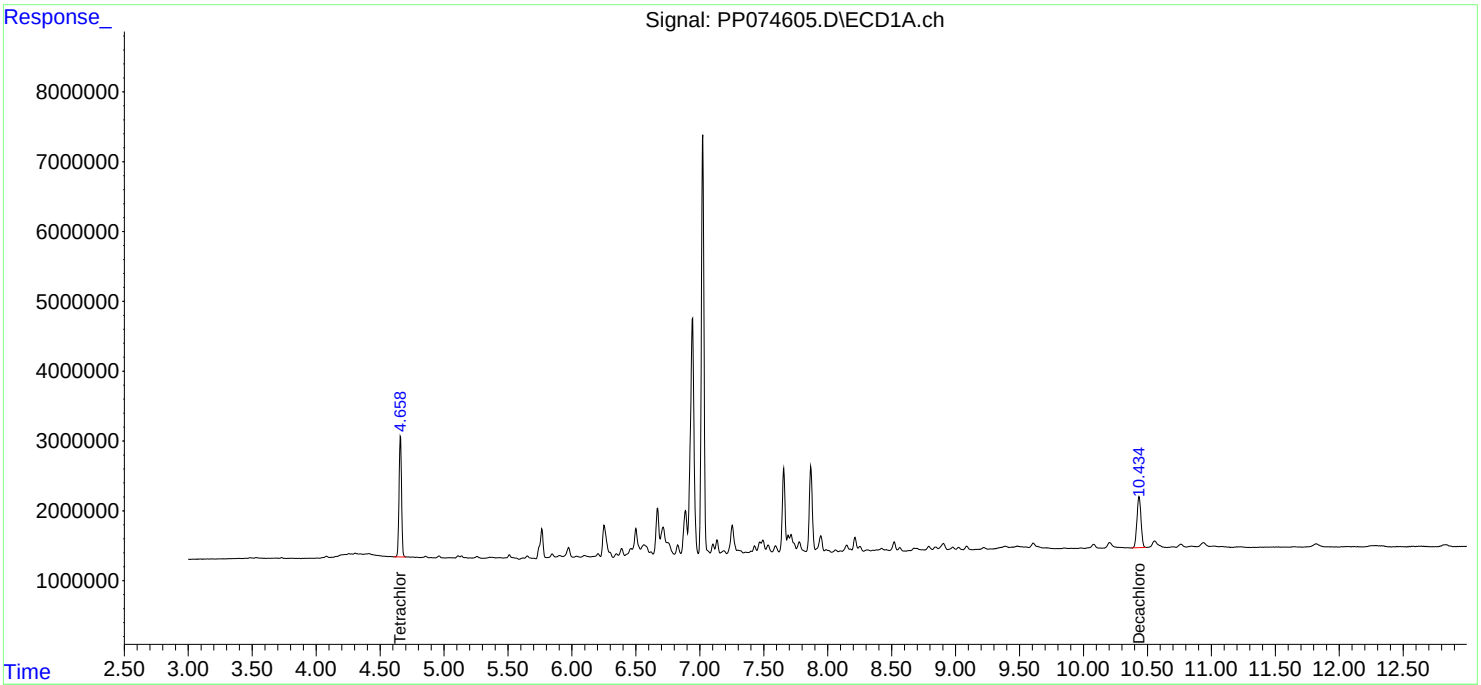
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

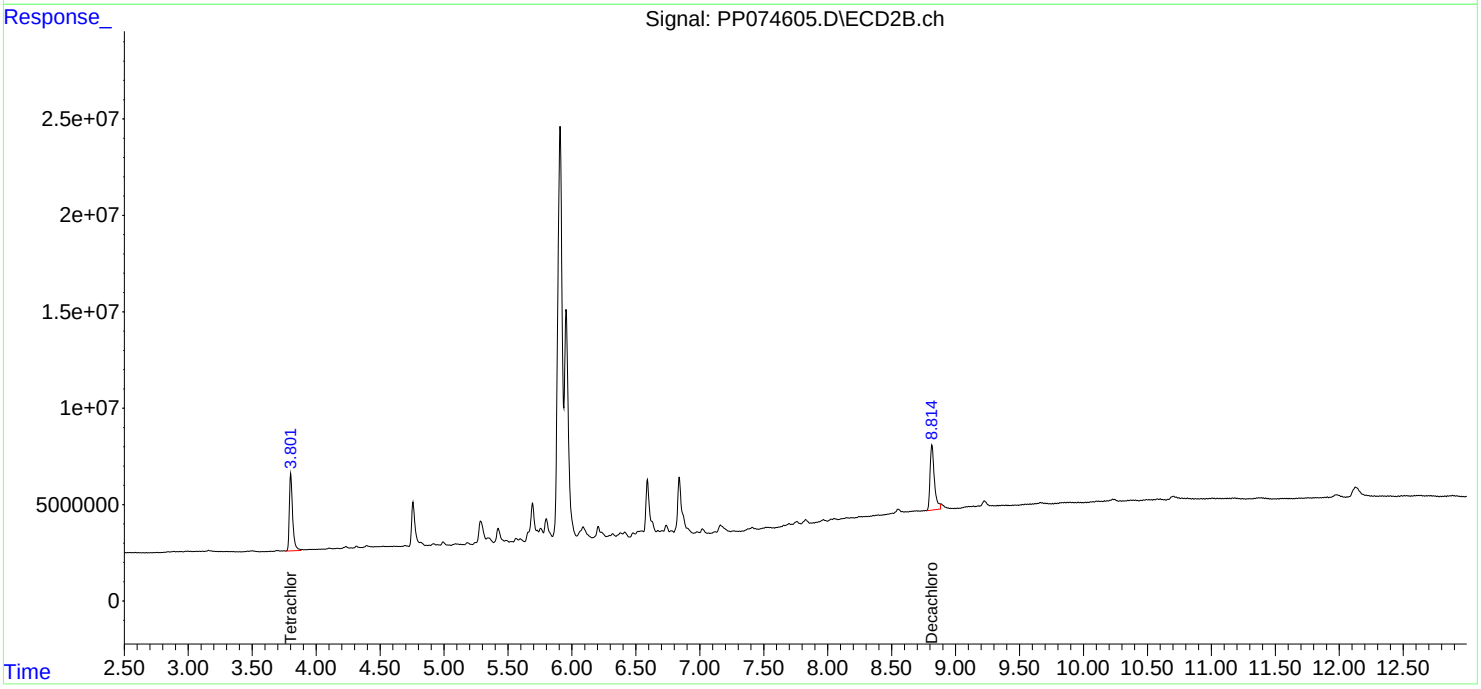
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 23:11
Operator : YP\AJ
Sample : Q2928-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

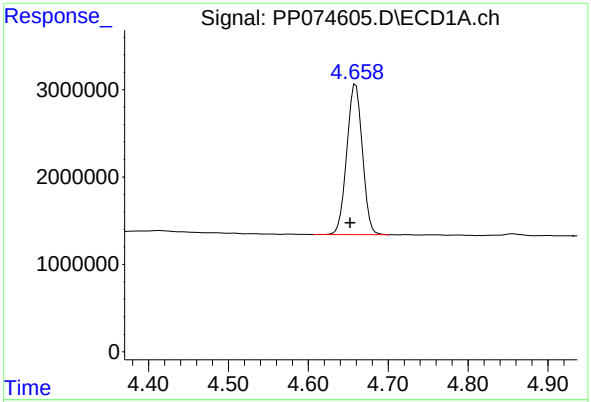
Instrument :
ECD_P
ClientSampleId :
27-BELL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:37:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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



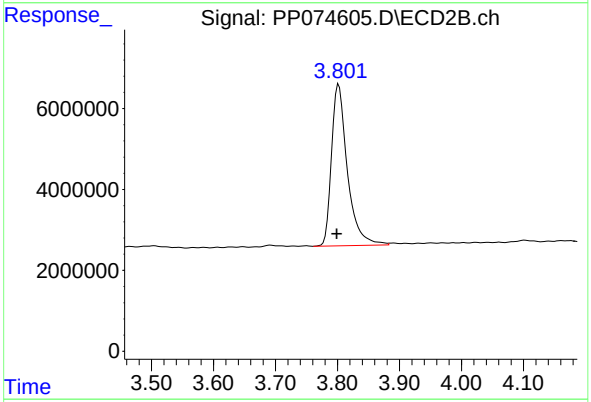




#1 Tetrachloro-m-xylene

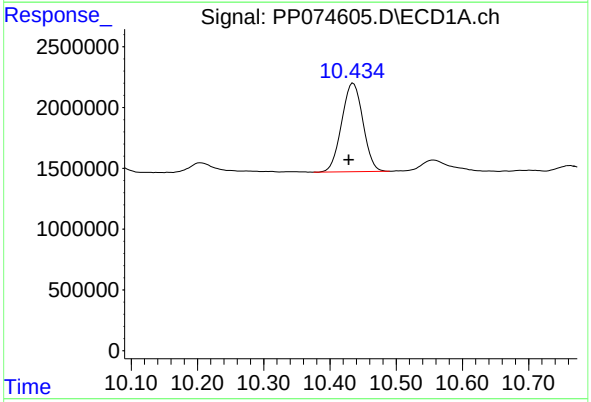
R.T.: 4.659 min
Delta R.T.: 0.007 min
Response: 23397830
Conc: 19.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
27-BELL



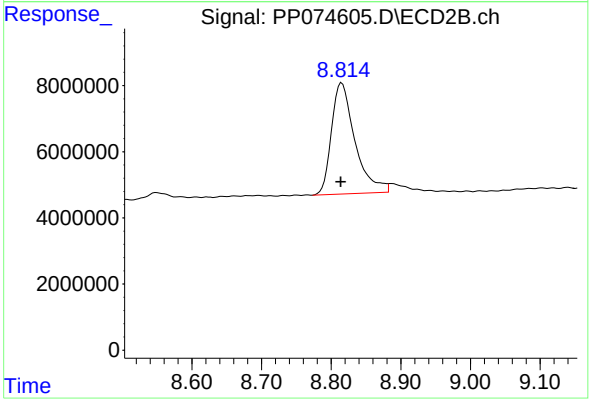
#1 Tetrachloro-m-xylene

R.T.: 3.802 min
Delta R.T.: 0.003 min
Response: 71296455
Conc: 14.74 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.435 min
Delta R.T.: 0.007 min
Response: 16242301
Conc: 16.45 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.815 min
Delta R.T.: 0.001 min
Response: 78935594
Conc: 10.53 ng/ml

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** HERO01

Lab Code: ACE **SDG NO.:** Q2928

Instrument ID: ECD_P **Calibration Date(s):** 08/19/2025 08/19/2025

Calibration Times: 10:02 17:36

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

LAB FILE ID: RT 1000 = PP074491.D RT 750 = PP074492.D

RT 500 = PP074493.D RT 250 = PP074494.D RT 050 = PP074495.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.80	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1016-2	(2)	5.82	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1016-3	(3)	5.89	5.89	5.89	5.89	5.89	5.89	5.79	5.99
Aroclor-1016-4	(4)	5.98	5.99	5.99	5.99	5.99	5.99	5.89	6.09
Aroclor-1016-5	(5)	6.28	6.28	6.28	6.28	6.28	6.28	6.18	6.38
Aroclor-1260-1	(1)	7.39	7.40	7.40	7.40	7.40	7.40	7.30	7.50
Aroclor-1260-2	(2)	7.65	7.65	7.65	7.65	7.65	7.65	7.55	7.75
Aroclor-1260-3	(3)	8.01	8.01	8.01	8.01	8.01	8.01	7.91	8.11
Aroclor-1260-4	(4)	8.23	8.24	8.24	8.24	8.24	8.24	8.14	8.34
Aroclor-1260-5	(5)	8.56	8.56	8.56	8.56	8.56	8.56	8.46	8.66
Decachlorobiphenyl		10.43	10.44	10.43	10.43	10.44	10.43	10.33	10.53
Tetrachloro-m-xylene		4.65	4.66	4.65	4.66	4.66	4.66	4.56	4.76
Aroclor-1242-1	(1)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1242-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1242-3	(3)	5.89	5.89	5.89	5.89	5.89	5.89	5.79	5.99
Aroclor-1242-4	(4)	5.99	5.99	5.99	5.99	5.99	5.99	5.89	6.09
Aroclor-1242-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		10.43	10.44	10.43	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1248-1	(1)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1248-2	(2)	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Aroclor-1248-3	(3)	6.28	6.28	6.28	6.28	6.28	6.28	6.18	6.38
Aroclor-1248-4	(4)	6.68	6.68	6.68	6.68	6.68	6.68	6.58	6.78
Aroclor-1248-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		10.44	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1254-1	(1)	6.66	6.66	6.66	6.66	6.65	6.66	6.56	6.76
Aroclor-1254-2	(2)	6.88	6.87	6.87	6.87	6.87	6.87	6.77	6.97
Aroclor-1254-3	(3)	7.24	7.24	7.24	7.23	7.23	7.24	7.14	7.34
Aroclor-1254-4	(4)	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1254-5	(5)	7.94	7.93	7.93	7.93	7.93	7.93	7.83	8.03
Decachlorobiphenyl		10.44	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1268-1	(1)	8.88	8.89	8.88	8.89	8.88	8.89	8.79	8.99
Aroclor-1268-2	(2)	8.98	8.98	8.98	8.98	8.98	8.98	8.88	9.08
Aroclor-1268-3	(3)	9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Aroclor-1268-4	(4)	9.65	9.65	9.65	9.65	9.65	9.65	9.55	9.75
Aroclor-1268-5	(5)	10.08	10.08	10.08	10.08	10.08	10.08	9.98	10.18

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.43	10.44	10.43	10.44	10.43	10.43	10.33	10.53
Tetrachloro-m-xylene	4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76

Raw Data

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** HERO01

Lab Code: ACE **SDG NO.:** Q2928

Instrument ID: ECD_P **Calibration Date(s):** 08/19/2025 08/19/2025

Calibration Times: 10:02 17:36

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

LAB FILE ID: RT 1000 = PP074491.D RT 750 = PP074492.D

RT 500 = PP074493.D RT 250 = PP074494.D RT 050 = PP074495.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1016-2	(2)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1016-3	(3)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1016-4	(4)	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1016-5	(5)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1260-1	(1)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1260-2	(2)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-3	(3)	6.70	6.71	6.70	6.70	6.70	6.70	6.60	6.80
Aroclor-1260-4	(4)	7.17	7.17	7.17	7.17	7.17	7.17	7.07	7.27
Aroclor-1260-5	(5)	7.41	7.41	7.41	7.41	7.41	7.41	7.31	7.51
Decachlorobiphenyl		8.81	8.82	8.82	8.81	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1242-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1242-2	(2)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1242-3	(3)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1242-4	(4)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1242-5	(5)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Decachlorobiphenyl		8.82	8.82	8.81	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1248-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1248-2	(2)	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1248-3	(3)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-4	(4)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1248-5	(5)	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1254-1	(1)	5.69	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1254-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1254-3	(3)	6.24	6.23	6.23	6.23	6.23	6.23	6.13	6.33
Aroclor-1254-4	(4)	6.46	6.46	6.46	6.46	6.46	6.46	6.36	6.56
Aroclor-1254-5	(5)	6.88	6.87	6.88	6.88	6.88	6.88	6.78	6.98
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.81	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1268-1	(1)	7.70	7.70	7.69	7.70	7.69	7.70	7.60	7.80
Aroclor-1268-2	(2)	7.76	7.76	7.76	7.76	7.76	7.76	7.66	7.86
Aroclor-1268-3	(3)	7.97	7.97	7.97	7.97	7.96	7.97	7.87	8.07
Aroclor-1268-4	(4)	8.25	8.26	8.25	8.25	8.25	8.25	8.15	8.35
Aroclor-1268-5	(5)	8.55	8.55	8.55	8.55	8.55	8.55	8.45	8.65

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.81	8.82	8.81	8.82	8.81	8.82	8.72	8.92
Tetrachloro-m-xylene	3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90

Raw Data

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** HERO01

Lab Code: ACE **SDG NO.:** Q2928

Instrument ID: ECD_P **Calibration Date(s):** 08/19/2025 08/19/2025

Calibration Times: 10:02 17:36

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

LAB FILE ID: **CF 1000 =** PP074491.D **CF 750 =** PP074492.D

CF 500 = PP074493.D **CF 250 =** PP074494.D **CF 050 =** PP074495.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	37260672	39165227	41840274	46667524	55510560	44088851	17
Aroclor-1016-2	(2)	55294208	58678316	63208216	69200552	67826880	62841634	9
Aroclor-1016-3	(3)	37159554	39829409	42380342	50420568	54779780	44913931	17
Aroclor-1016-4	(4)	30238509	32061391	34848388	39362172	39398600	35181812	12
Aroclor-1016-5	(5)	29225854	30645948	33029644	36469124	36559780	33186070	10
Aroclor-1260-1	(1)	48563391	51183833	55342410	61530012	72427960	57809521	16
Aroclor-1260-2	(2)	57520052	60697599	66234840	73517872	86617000	68917473	17
Aroclor-1260-3	(3)	45466412	48231029	50486582	57234216	58008180	51885284	11
Aroclor-1260-4	(4)	53945139	57153024	61763720	67649864	78452080	63792765	15
Aroclor-1260-5	(5)	98135607	102882747	108313414	117775440	139953440	113412130	15
Decachlorobiphenyl		866337170	921955053	988573200	1058849640	1101835800	987510173	10
Tetrachloro-m-xylene		1100953570	1143235467	1200713680	1268558320	1404991400	1223690487	10
Aroclor-1242-1	(1)	33534775	35196259	38660790	41241740	42742440	38275201	10
Aroclor-1242-2	(2)	50582395	52453757	57915216	62104248	59354260	56481975	9
Aroclor-1242-3	(3)	33349694	35414635	39970066	43883972	50396180	40602909	17
Aroclor-1242-4	(4)	27192200	28632309	31894696	35816444	35173600	31741850	12
Aroclor-1242-5	(5)	29731727	30733847	34626980	38850892	46409580	36070605	19
Decachlorobiphenyl		942571090	998560827	1090308640	1132992280	1083717600	1049630087	7
Tetrachloro-m-xylene		1101623960	1151320933	1235361060	1272027120	1278388200	1207744255	6
Aroclor-1248-1	(1)	26825393	28405716	30845872	34074380	30968720	30224016	9
Aroclor-1248-2	(2)	37601198	39897476	43211686	48783724	45986180	43096053	10
Aroclor-1248-3	(3)	41457218	43776155	46817460	51955424	49511780	46703607	9
Aroclor-1248-4	(4)	47576379	50895647	54418430	60667104	61446460	55000804	11
Aroclor-1248-5	(5)	47007884	50058825	54098864	61916308	64270400	55470456	13
Decachlorobiphenyl		950993890	1009223920	1071012460	1167985200	1057373600	1051317814	8
Tetrachloro-m-xylene		1100991950	1146778960	1200566400	1276972480	1211462000	1187354358	6
Aroclor-1254-1	(1)	48507797	53598960	57022412	63560864	68657180	58269443	14
Aroclor-1254-2	(2)	68997007	73735961	79493314	88136784	97716940	81616001	14
Aroclor-1254-3	(3)	75433146	80269064	85469286	94710248	110150500	89206449	15
Aroclor-1254-4	(4)	56817907	60256557	64375914	71178004	76939600	65913596	12
Aroclor-1254-5	(5)	71518563	76344344	81241680	89300320	97020080	83084997	12
Decachlorobiphenyl		955810170	985159667	1046715980	1146118200	1185105200	1063781843	9
Tetrachloro-m-xylene		1074895520	1124737840	1186244600	1279770240	1364835400	1206096720	10
Aroclor-1268-1	(1)	145382221	149256528	159799060	175238264	180520060	162039227	10

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	135128903	138304824	147968774	161072492	151211120	146737223	7
Aroclor-1268-3	(3)	112837949	115383373	124401538	134921752	130382340	123585390	8
Aroclor-1268-4	(4)	60062429	62288615	69185966	72327472	72450180	67262932	9
Aroclor-1268-5	(5)	347935374	352387180	372266714	396976848	381293520	370171927	6
Decachlorobiphenyl		1643122860	1684754733	1816495060	1968851320	1846466800	1791938155	7
Tetrachloro-m-xylene		1139511630	1162795853	1215559280	1293072360	1185938800	1199375585	5

Raw Data

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: HERO01
SDG NO.: Q2928
Calibration Date(s): 08/19/2025 08/19/2025
Calibration Times: 10:02 17:36

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

LAB FILE ID: CF 1000 = PP074491.D CF 750 = PP074492.D
CF 500 = PP074493.D CF 250 = PP074494.D CF 050 = PP074495.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	496657182	503720793	523846228	513002896	509541900	509353800	2
Aroclor-1016-2	(2)	239168801	238546505	246638078	251142512	214580920	238015363	6
Aroclor-1016-3	(3)	133036564	130124845	144330606	141427600	140598400	137903603	4
Aroclor-1016-4	(4)	133477489	138002388	140534852	142183668	144817800	139803239	3
Aroclor-1016-5	(5)	154126731	152599703	155237916	163343428	205109040	166083364	13
Aroclor-1260-1	(1)	363284667	378829761	386185190	382321000	365496040	375223332	3
Aroclor-1260-2	(2)	523788027	519029669	530795266	515617580	554844180	528814944	3
Aroclor-1260-3	(3)	397906310	403814531	425344812	411965640	525972600	433000779	12
Aroclor-1260-4	(4)	386647802	396528909	406788188	382587548	334816920	381473873	7
Aroclor-1260-5	(5)	1072036571	1049469899	1040494106	1005914236	854489880	1004480938	9
Decachlorobiphenyl		7534332740	7444555573	7912532780	7690082000	6914466800	7499193979	5
Tetrachloro-m-xylene		5208096140	5362153787	4998687000	4783674480	3824485800	4835419441	13
Aroclor-1242-1	(1)	426248141	431977179	439434088	427078864	384025660	421752786	5
Aroclor-1242-2	(2)	202991737	207389804	208837132	204363608	177830640	200282584	6
Aroclor-1242-3	(3)	114667914	119000831	118474420	125754936	113593040	118298228	4
Aroclor-1242-4	(4)	162797331	159395943	169924744	169924792	193754480	171159458	8
Aroclor-1242-5	(5)	176244820	193149587	194953880	198727516	162744820	185164125	8
Decachlorobiphenyl		7439485810	7647320840	7750380960	7387148800	6696994000	7384266082	6
Tetrachloro-m-xylene		5552255470	5495660120	5265795020	4718643160	3344536200	4875377994	19
Aroclor-1248-1	(1)	276787529	272989900	294110190	287515664	249311100	276142877	6
Aroclor-1248-2	(2)	170428062	176978340	184167818	188684076	163519180	176755495	6
Aroclor-1248-3	(3)	216883105	236968729	226037212	232782684	223345400	227203426	3
Aroclor-1248-4	(4)	216013976	222165432	229596264	221937152	200392380	218021041	5
Aroclor-1248-5	(5)	365899980	378186867	386596360	393195048	312731540	367321959	9
Decachlorobiphenyl		7362170440	7623348680	7832285760	7830414120	6177033600	7365050520	9
Tetrachloro-m-xylene		4921775200	5272375827	4922615420	4754396920	3067777000	4587788073	19
Aroclor-1254-1	(1)	450774429	460491156	493889042	479687392	498710100	476710424	4
Aroclor-1254-2	(2)	327603431	350278748	349528710	357585716	375666820	352132685	5
Aroclor-1254-3	(3)	632195702	651991325	663558136	626254444	525027180	619805357	9
Aroclor-1254-4	(4)	465715221	475856425	494623526	472743392	434193620	468626437	5
Aroclor-1254-5	(5)	494049062	518095117	499208524	513687428	427465960	490501218	7
Decachlorobiphenyl		7570292860	7622860640	7575883760	7671178000	7261560400	7540355132	2
Tetrachloro-m-xylene		5083198010	4906330680	4979033200	4619762640	3271378000	4571940506	16
Aroclor-1268-1	(1)	1582015639	1422598329	1546826516	1453362868	1047671520	1410494974	15

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1588231016	1429840941	1442651986	1413308564	943104640	1363427429	18
Aroclor-1268-3	(3)	1131064358	1100247001	1123773528	1077394544	783689900	1043233866	14
Aroclor-1268-4	(4)	433982459	417630531	415097948	393627672	255142820	383096286	19
Aroclor-1268-5	(5)	3414138804	3322863425	3420880908	3301062668	2221751820	3136139525	16
Decachlorobiphenyl		14390930480	14121362587	14413340360	14318679160	10749496600	13598761837	12
Tetrachloro-m-xylene		5211020900	5014233547	4937082600	4815562400	3041581600	4603896209	19

Raw Data

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HERO01

Lab Code: ACE **SDG NO.:** Q2928

Instrument ID: ECD_P **Date(s) Analyzed:** 08/19/2025 08/19/2025

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	4.85	4.75	4.95	17592800
		2	4.94	4.84	5.04	13357200
		3	5.02	4.92	5.12	37912800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.02	4.92	5.12	30374000
		2	5.54	5.44	5.64	15758200
		3	5.83	5.73	5.93	30543600
		4	5.99	5.89	6.09	17269300
		5	6.08	5.98	6.18	12981000
Aroclor-1262	500	1	8.24	8.14	8.34	77016000
		2	8.57	8.47	8.67	132381000
		3	8.89	8.79	8.99	97212400
		4	8.98	8.88	9.08	75330400
		5	9.65	9.55	9.75	60956200

Raw Data

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HERO01

Lab Code: ACE **SDG NO.:** Q2928

Instrument ID: ECD_P **Date(s) Analyzed:** 08/19/2025 08/19/2025

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	4.01	3.91	4.11	61867400
		2	4.10	4.00	4.20	45212000
		3	4.17	4.07	4.27	164294000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.17	4.07	4.27	128095000
		2	4.90	4.80	5.00	231794000
		3	5.08	4.98	5.18	60059800
		4	5.16	5.06	5.26	73707400
		5	5.33	5.23	5.43	62083800
Aroclor-1262	500	1	6.92	6.82	7.02	707260000
		2	7.18	7.08	7.28	520714000
		3	7.70	7.60	7.80	466296000
		4	7.76	7.66	7.86	821860000
		5	8.26	8.16	8.36	358310000

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074491.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 10:02
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: Aug 19 11:06:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 10:53:26 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...	4.652	3.799	110.1E6	520.8E6	95.666	102.052
2)	SA Decachlor...	10.428	8.814	86633717	753.4E6	93.410	97.552
	Target Compounds						
3)	L1 AR-1016-1	5.803	4.897	37260672	496.7E6	942.104	973.357
4)	L1 AR-1016-2	5.824	4.956	55294208	239.2E6	933.216	984.625
5)	L1 AR-1016-3	5.887	5.075	37159554	133.0E6	934.363	959.281
6)	L1 AR-1016-4	5.984	5.116	30238509	133.5E6	929.173	974.244
7)	L1 AR-1016-5	6.276	5.330	29225854	154.1E6	938.900	996.408
31)	L7 AR-1260-1	7.393	6.360	48563391	363.3E6	934.758	969.444
32)	L7 AR-1260-2	7.646	6.547	57520052	523.8E6	929.580	993.355
33)	L7 AR-1260-3	8.005	6.702	45466412	397.9E6	947.681	966.671
34)	L7 AR-1260-4	8.232	7.171	53945139	386.6E6	932.429	974.616
35)	L7 AR-1260-5	8.558	7.410	98135607	1072.0E6	950.701	1014.931

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

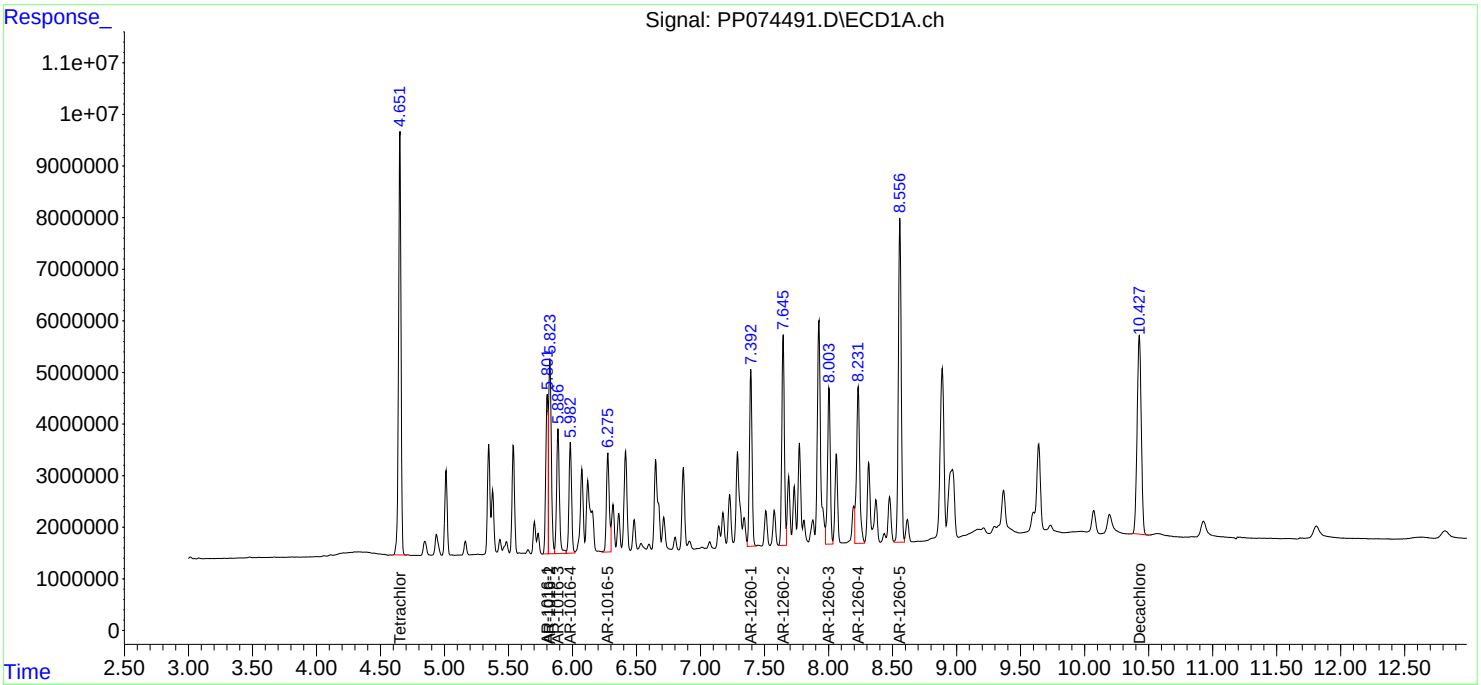
ICAL Form

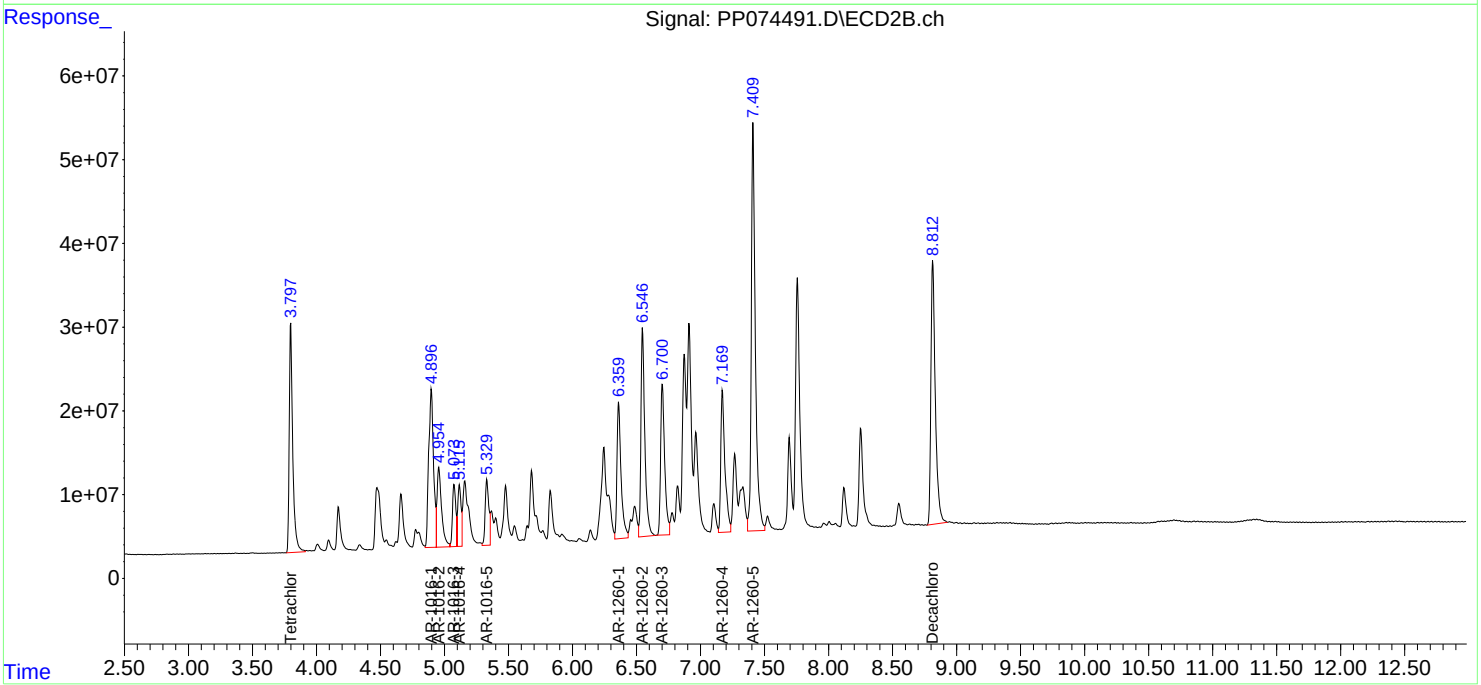
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074491.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 10:02
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 11:06:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 10:53:26 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\PP081925\
Data File : PP074492.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 10:18
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: Aug 19 11:09:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 10:53:26 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...	4.657	3.801	85742660	402.2E6	74.669	77.493
2)	SA Decachlor...	10.436	8.818	69146629	558.3E6	74.703	73.173
	Target Compounds						
3)	L1 AR-1016-1	5.809	4.901	29373920	377.8E6	745.114	743.573
4)	L1 AR-1016-2	5.830	4.960	44008737	178.9E6	745.150	740.978
5)	L1 AR-1016-3	5.893	5.080	29872057	97593634	750.747	718.495
6)	L1 AR-1016-4	5.990	5.119	24046043	103.5E6	742.557	753.627
7)	L1 AR-1016-5	6.283	5.334	22984461	114.4E6	742.221	743.238
31)	L7 AR-1260-1	7.400	6.364	38387875	284.1E6	742.562	755.444
32)	L7 AR-1260-2	7.653	6.550	45523199	389.3E6	740.405	742.125
33)	L7 AR-1260-3	8.011	6.705	36173272	302.9E6	752.648	740.452
34)	L7 AR-1260-4	8.239	7.174	42864768	297.4E6	743.914	749.762
35)	L7 AR-1260-5	8.564	7.414	77162060	787.1E6	748.343	746.776

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

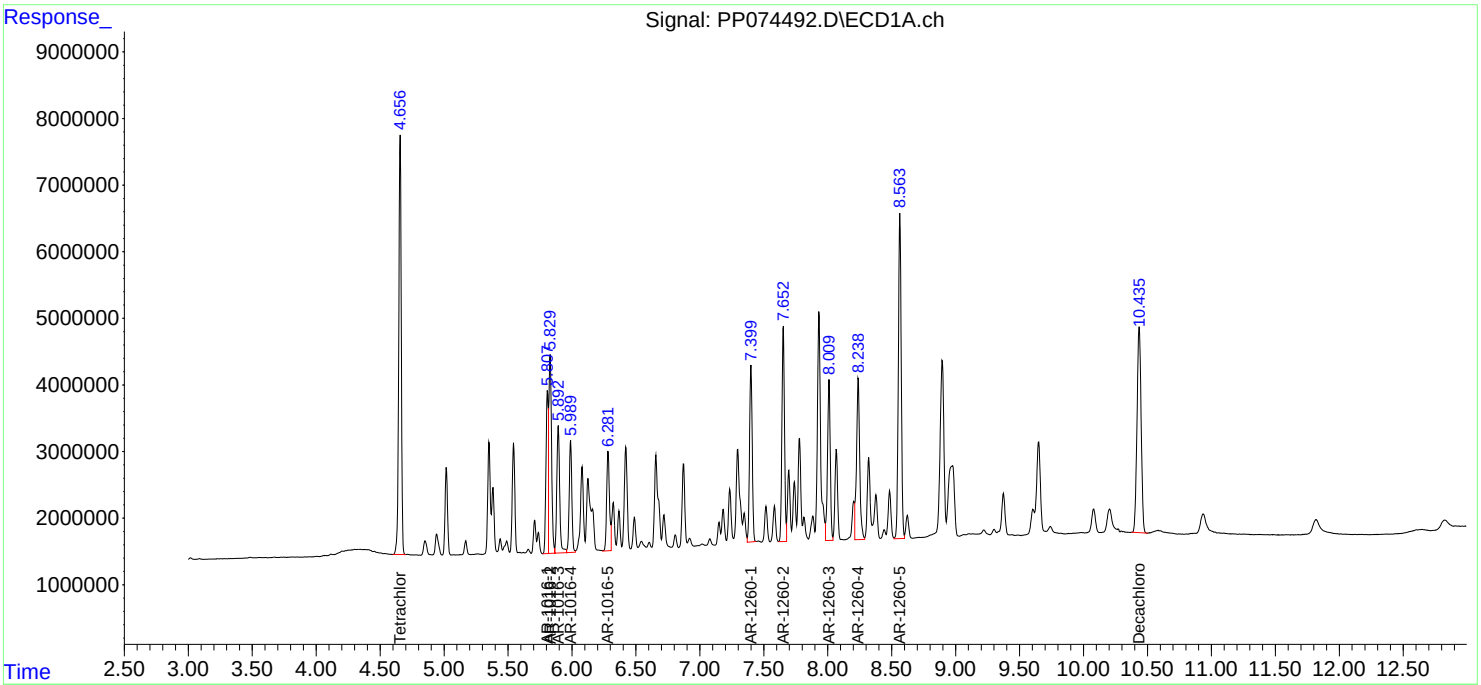
ICAL Form

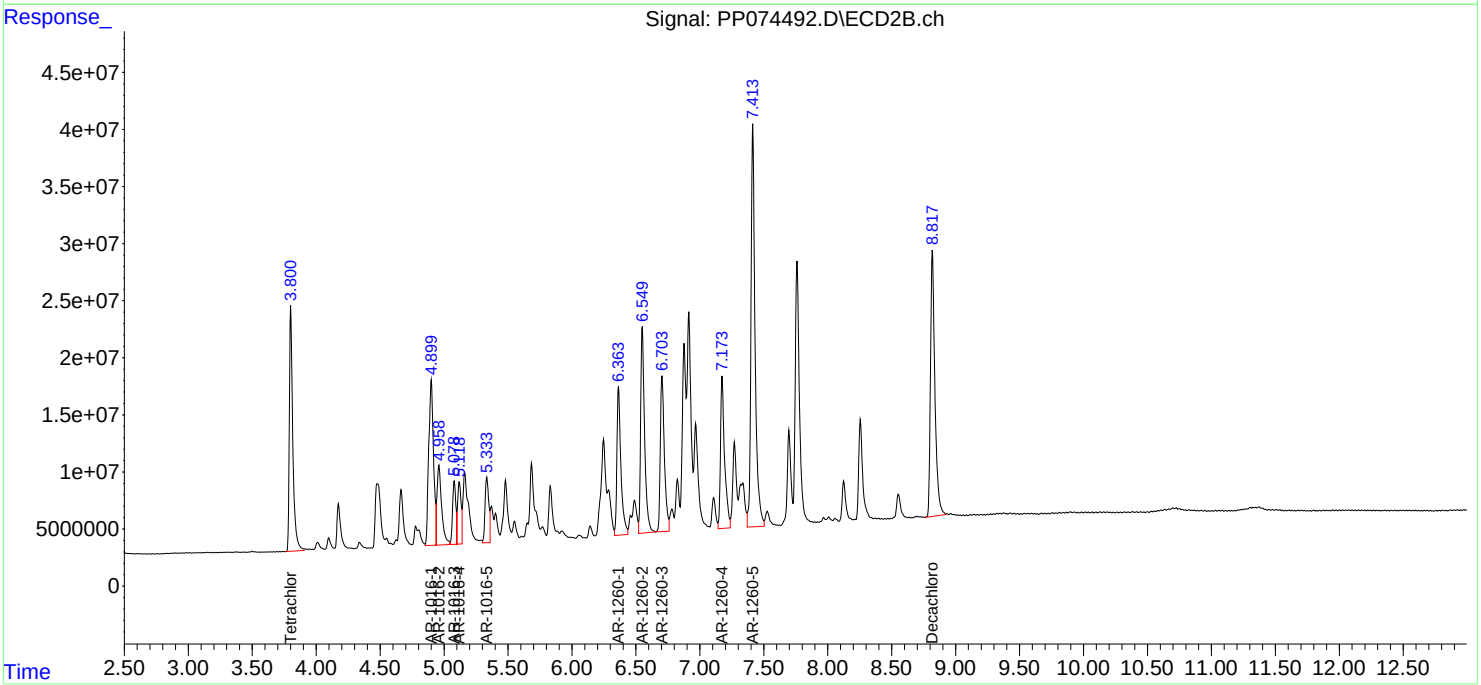
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074492.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 10:18
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 11:09:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 10:53:26 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\PP081925\
Data File : PP074493.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 10:34
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: Aug 19 11:02:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 10:53:26 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...	4.654	3.799	60035684	249.9E6	50.000	50.000
2)	SA Decachlor...	10.433	8.815	49428660	395.6E6	50.000	50.000
	Target Compounds						
3)	L1 AR-1016-1	5.806	4.899	20920137	261.9E6	500.000	500.000
4)	L1 AR-1016-2	5.827	4.955	31604108	123.3E6	500.000	500.000
5)	L1 AR-1016-3	5.890	5.076	21190171	72165303	500.000	500.000
6)	L1 AR-1016-4	5.988	5.117	17424194	70267426	500.000	500.000
7)	L1 AR-1016-5	6.280	5.331	16514822	77618958	500.000	500.000
31)	L7 AR-1260-1	7.397	6.361	27671205	193.1E6	500.000	500.000
32)	L7 AR-1260-2	7.650	6.548	33117420	265.4E6	500.000	500.000
33)	L7 AR-1260-3	8.008	6.702	25243291	212.7E6	500.000	500.000
34)	L7 AR-1260-4	8.236	7.172	30881860	203.4E6	500.000	500.000
35)	L7 AR-1260-5	8.562	7.411	54156707	520.2E6	500.000	500.000

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

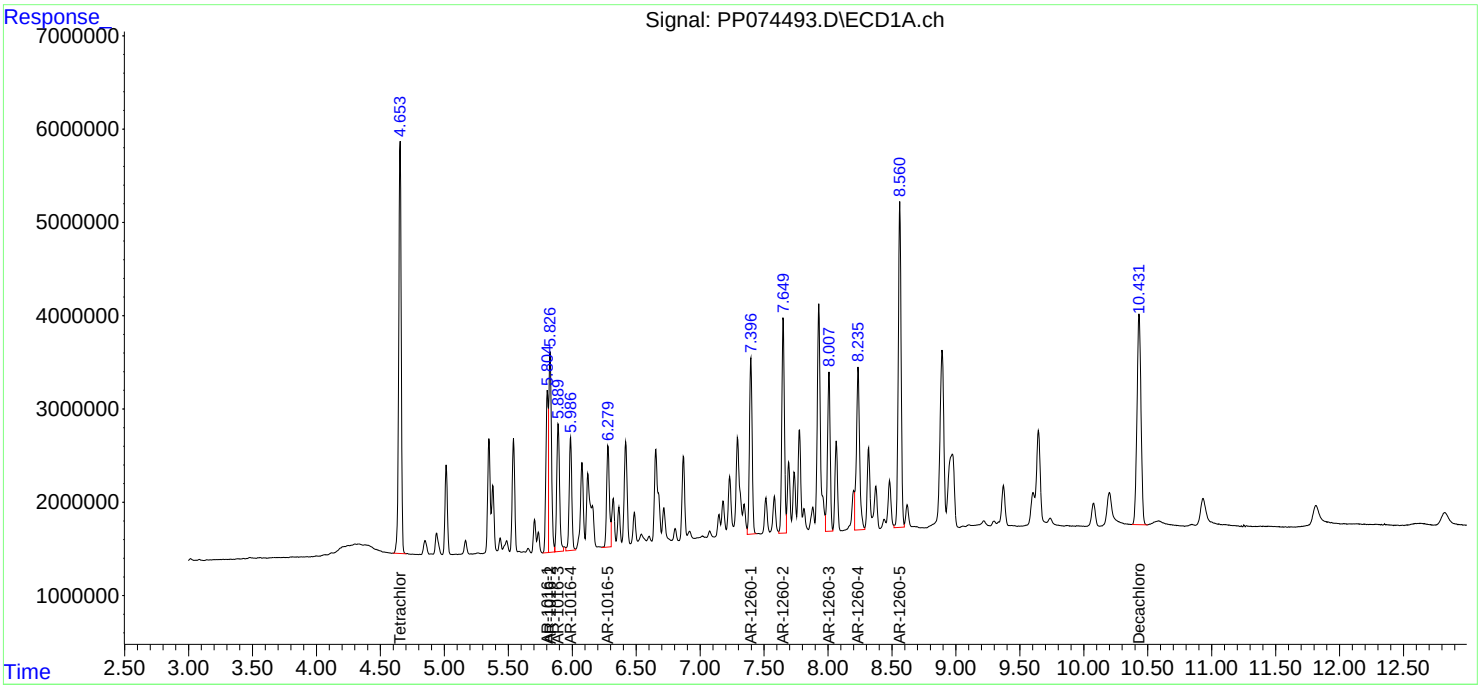
ICAL Form

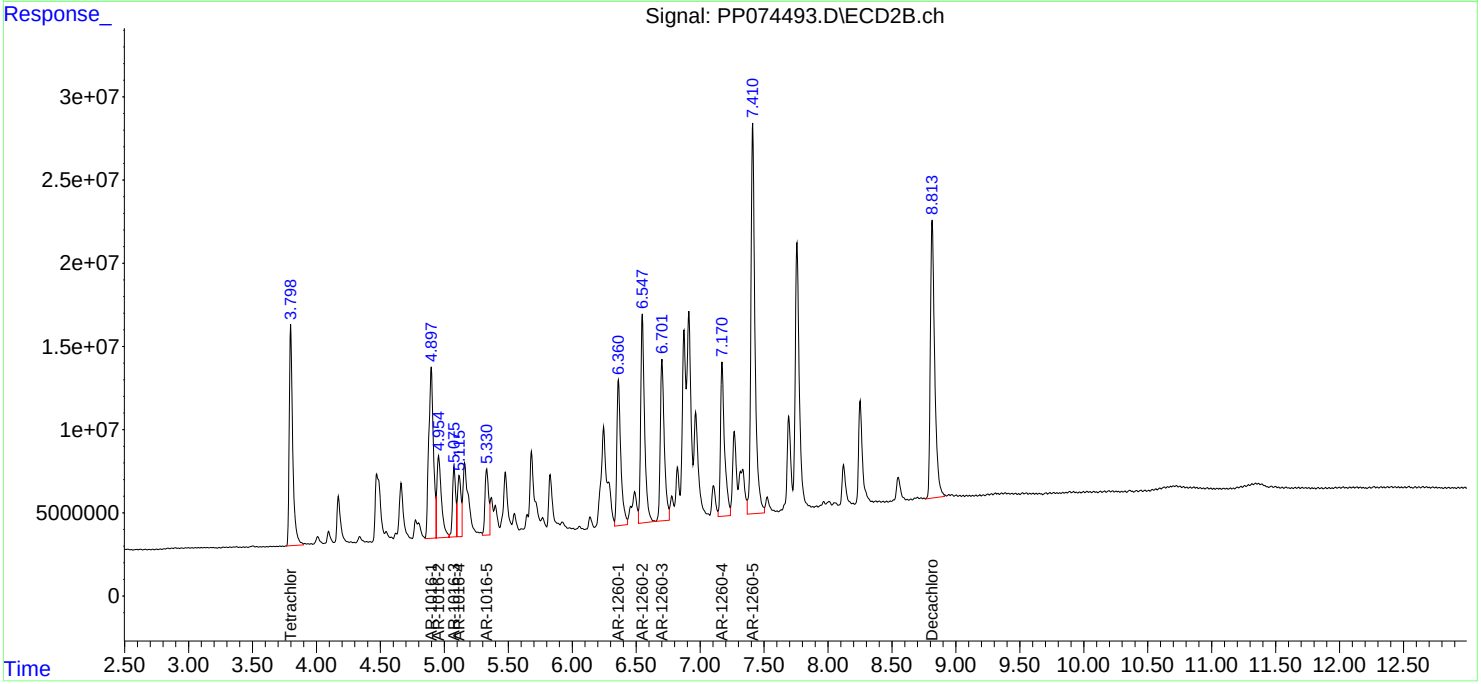
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074493.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 10:34
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 11:02:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 10:53:26 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\PP081925\
Data File : PP074494.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 10:51
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: Aug 19 11:19:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 10:53:26 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...	4.655	3.799	31713958	119.6E6	26.914	23.504
2)	SA Decachlor...	10.434	8.814	26471241	192.3E6	27.605	25.146
	Target Compounds						
3)	L1 AR-1016-1	5.807	4.898	11666881	128.3E6	282.947	251.814
4)	L1 AR-1016-2	5.828	4.955	17300138	62785628	280.868	257.451
5)	L1 AR-1016-3	5.891	5.076	12605142	35356900	296.959	257.647
6)	L1 AR-1016-4	5.988	5.117	9840543	35545917	288.345	256.557
7)	L1 AR-1016-5	6.281	5.331	9117281	40835857	281.897	261.221
31)	L7 AR-1260-1	7.398	6.362	15382503	95580250	284.046	253.089
32)	L7 AR-1260-2	7.651	6.548	18379468	128.9E6	284.986	246.798
33)	L7 AR-1260-3	8.008	6.701	14308554	103.0E6	284.156	251.347
34)	L7 AR-1260-4	8.237	7.171	16912466	95646887	281.275	243.291
35)	L7 AR-1260-5	8.562	7.410	29443860	251.5E6	275.751	241.347

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

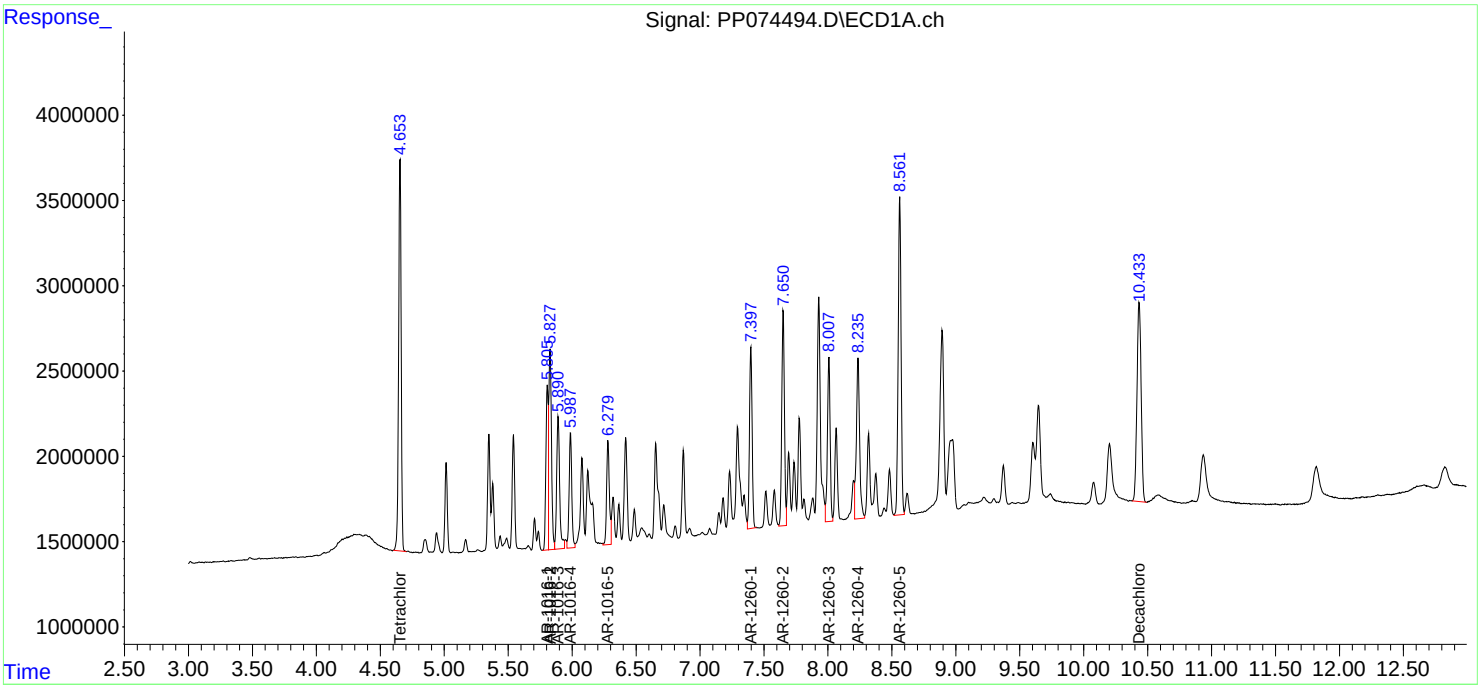
ICAL Form

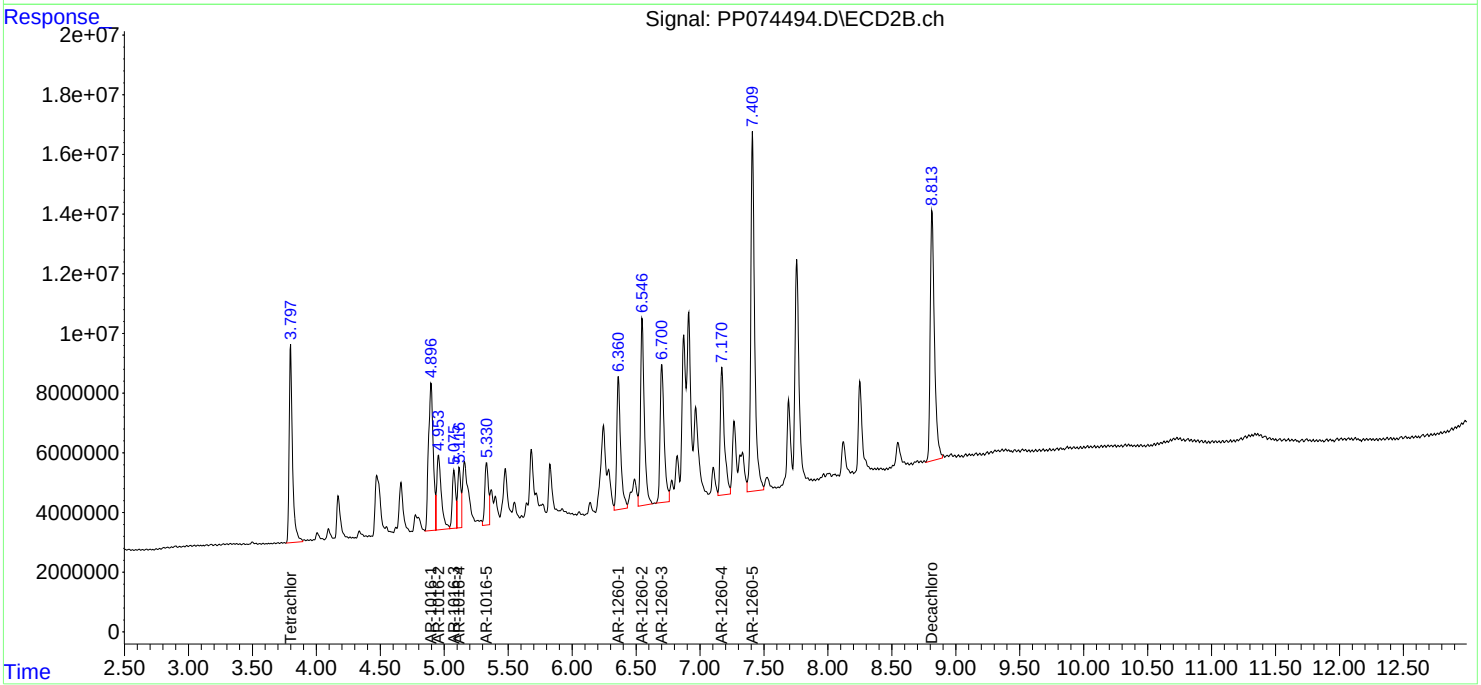
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074494.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 10:51
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 11:19:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 10:53:26 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\PP081925\
Data File : PP074495.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 11:07
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 11:23:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 10:53:26 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...	4.657	3.801	7024957	19122429	5.741	3.955 #
2)	SA Decachlor...	10.436	8.818	5509179	34572334	5.579	4.610
	Target Compounds						
3)	L1 AR-1016-1	5.808	4.902	2775528	25477095	63.327m	50.018
4)	L1 AR-1016-2	5.829	4.960	3391344	10729046	53.675m	45.077
5)	L1 AR-1016-3	5.893	5.081	2738989	7029920	60.487m	50.977
6)	L1 AR-1016-4	5.989	5.119	1969930	7240890	55.168m	51.793
7)	L1 AR-1016-5	6.283	5.333	1827989	10255452	55.083	61.749
31)	L7 AR-1260-1	7.401	6.364	3621398	18274802	62.644	48.704
32)	L7 AR-1260-2	7.654	6.549	4330850	27742209	62.841	52.461
33)	L7 AR-1260-3	8.010	6.704	2900409	26298630	56.353m	65.936
34)	L7 AR-1260-4	8.239	7.174	3922604	16740846	61.870m	43.643m#
35)	L7 AR-1260-5	8.564	7.412	6997672	42724494	62.472	43.317m#

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074495.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 11:07
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

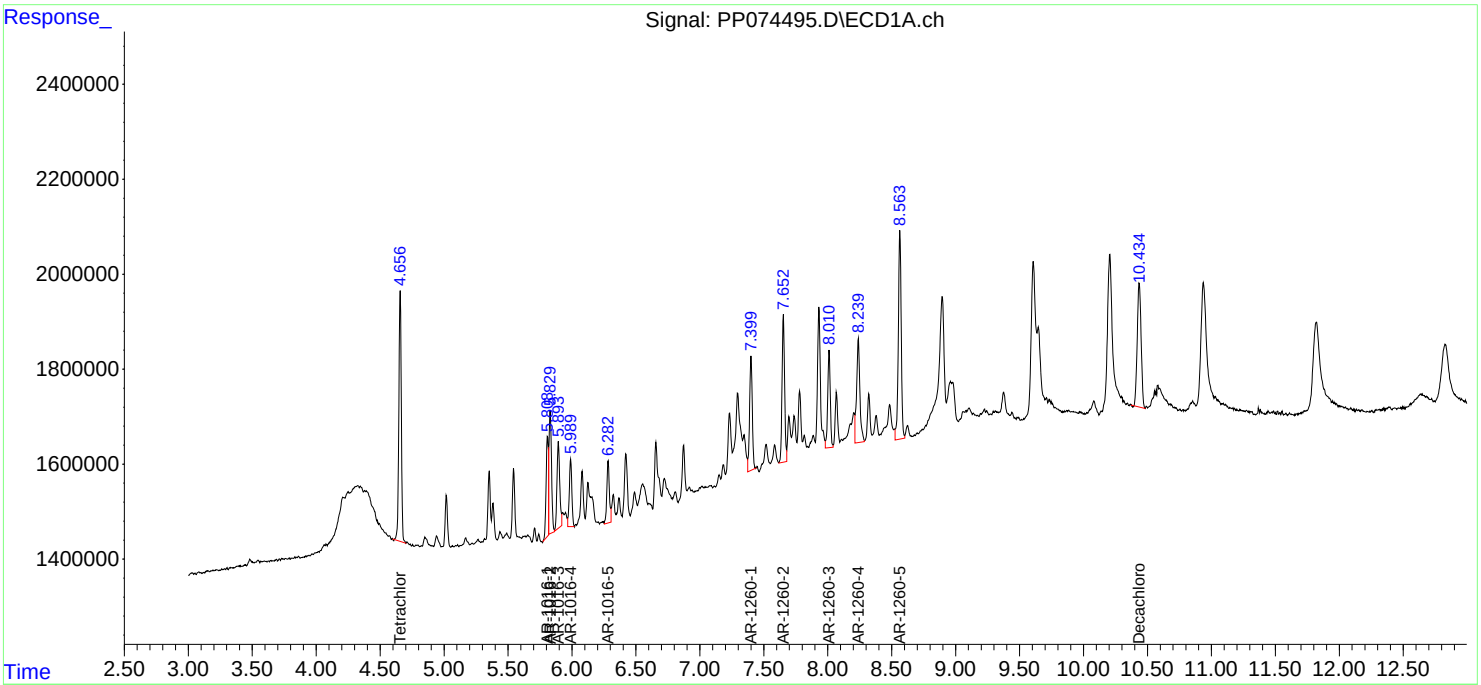
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

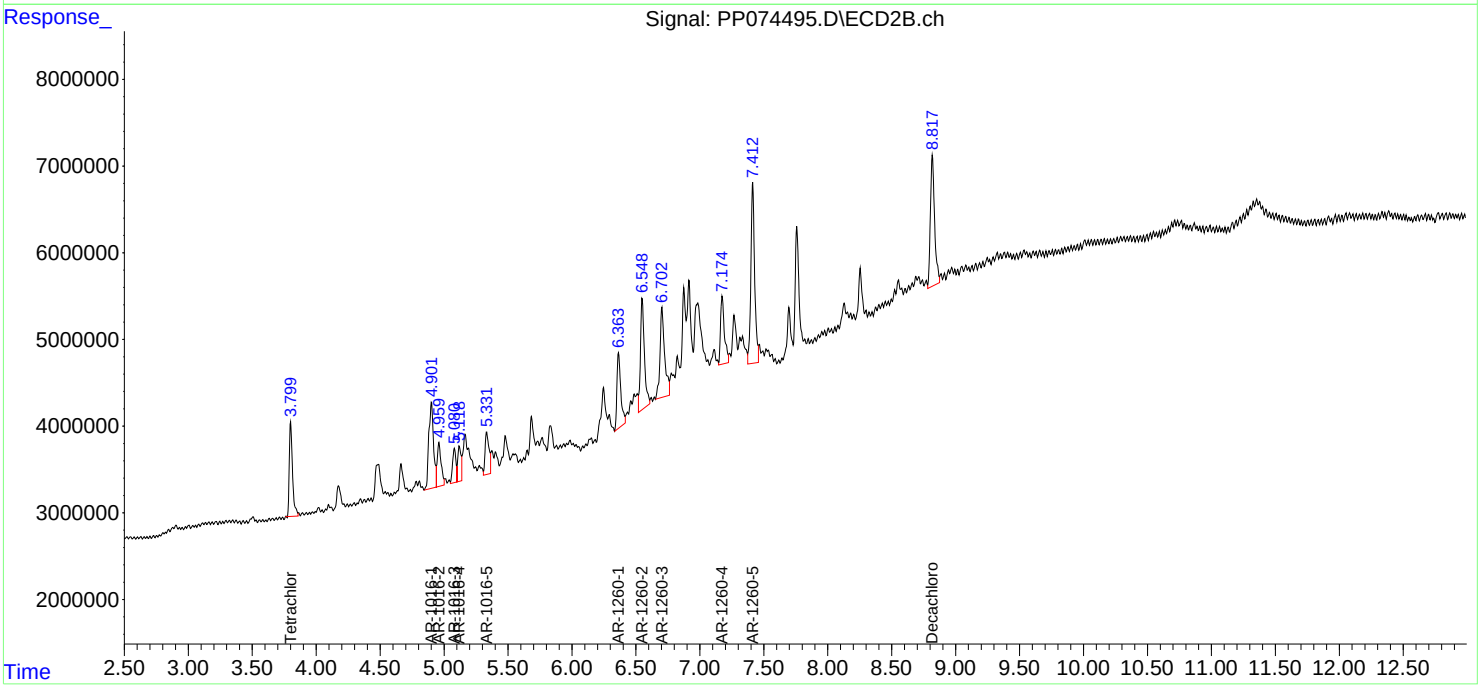
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 11:23:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 10:53:26 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\PP081925\
Data File : PP074496.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 11:23
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 11:41:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 11:40:42 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...	4.654	3.799	57850583	238.7E6	50.000	50.000
2)	SA Decachlor...	10.431	8.815	48331426	370.6E6	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.853	4.011	8796420	30933713	500.000	500.000
9)	L2 AR-1221-2	4.939	4.097	6678596	22606039	500.000	500.000
10)	L2 AR-1221-3	5.015	4.173	18956378	82146924	500.000	500.000

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

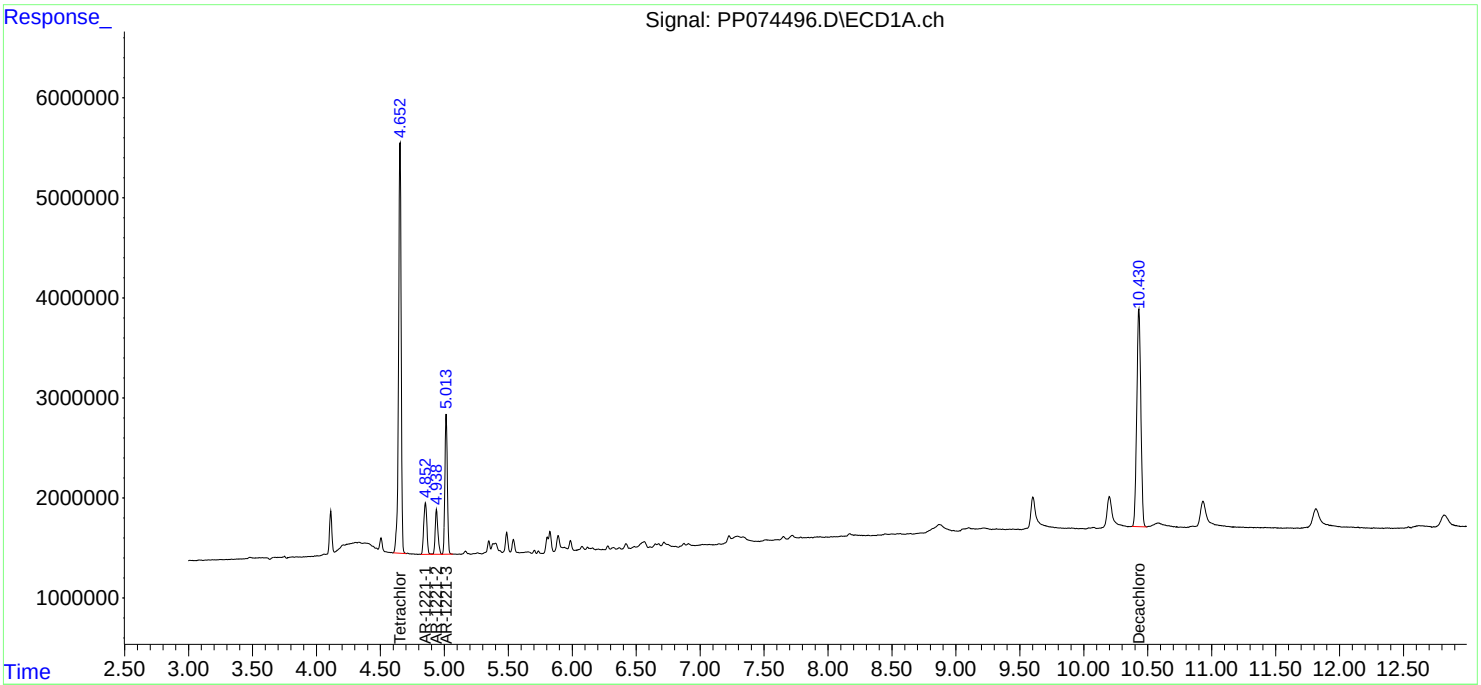
ICAL Form

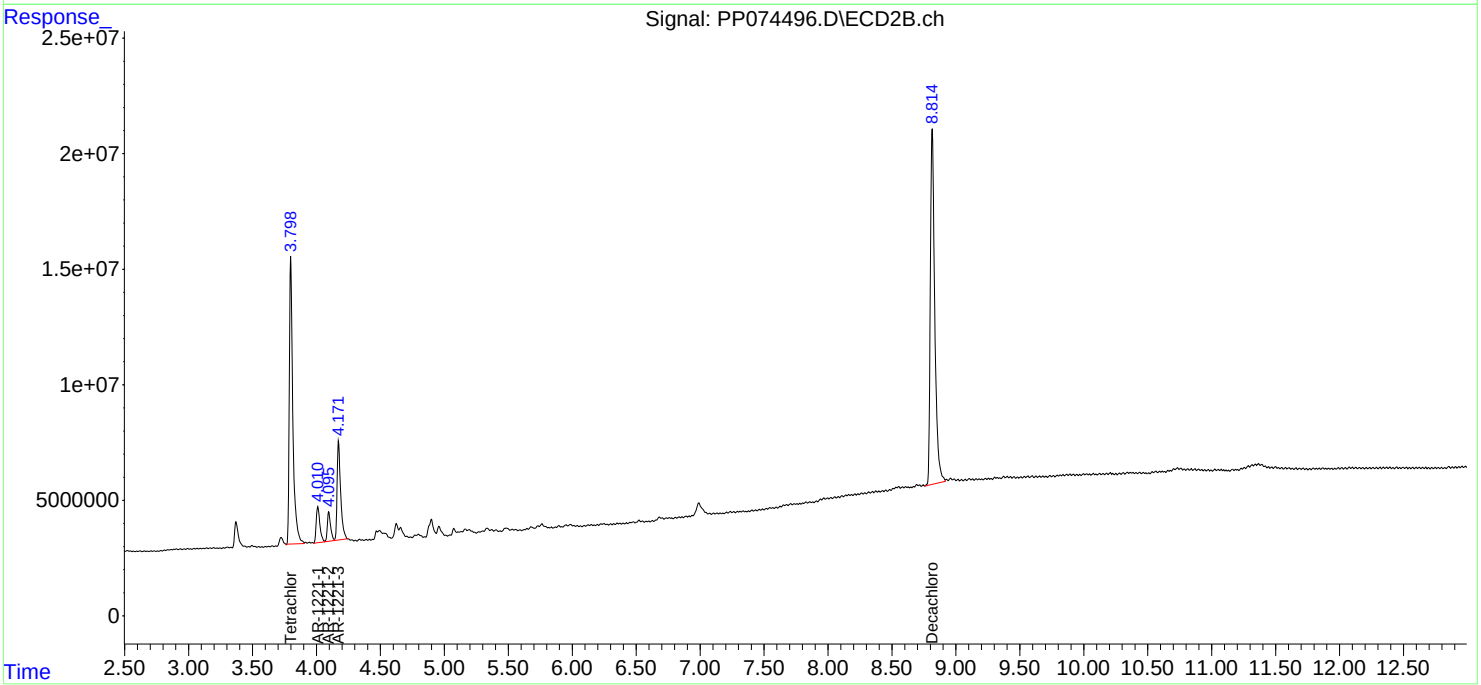
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074496.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 11:23
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 11:41:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 11:40:42 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\PP081925\
Data File : PP074497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 11:39
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:13:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:12:32 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...	4.655	3.799	58746394	255.4E6	50.000	50.000
2)	SA Decachlor...	10.434	8.815	49336755	375.4E6	50.000	50.000
	Target Compounds						
11)	L3 AR-1232-1	5.016	4.172	15186953	64047715	500.000	500.000
12)	L3 AR-1232-2	5.542	4.899	7879113	115.9E6	500.000	500.000
13)	L3 AR-1232-3	5.828	5.076	15271847	30029881	500.000	500.000
14)	L3 AR-1232-4	5.988	5.157	8634636	36853690	500.000	505.838m
15)	L3 AR-1232-5	6.077	5.332	6490477	31041901	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\PP081925\
Data File : PP074497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 11:39
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

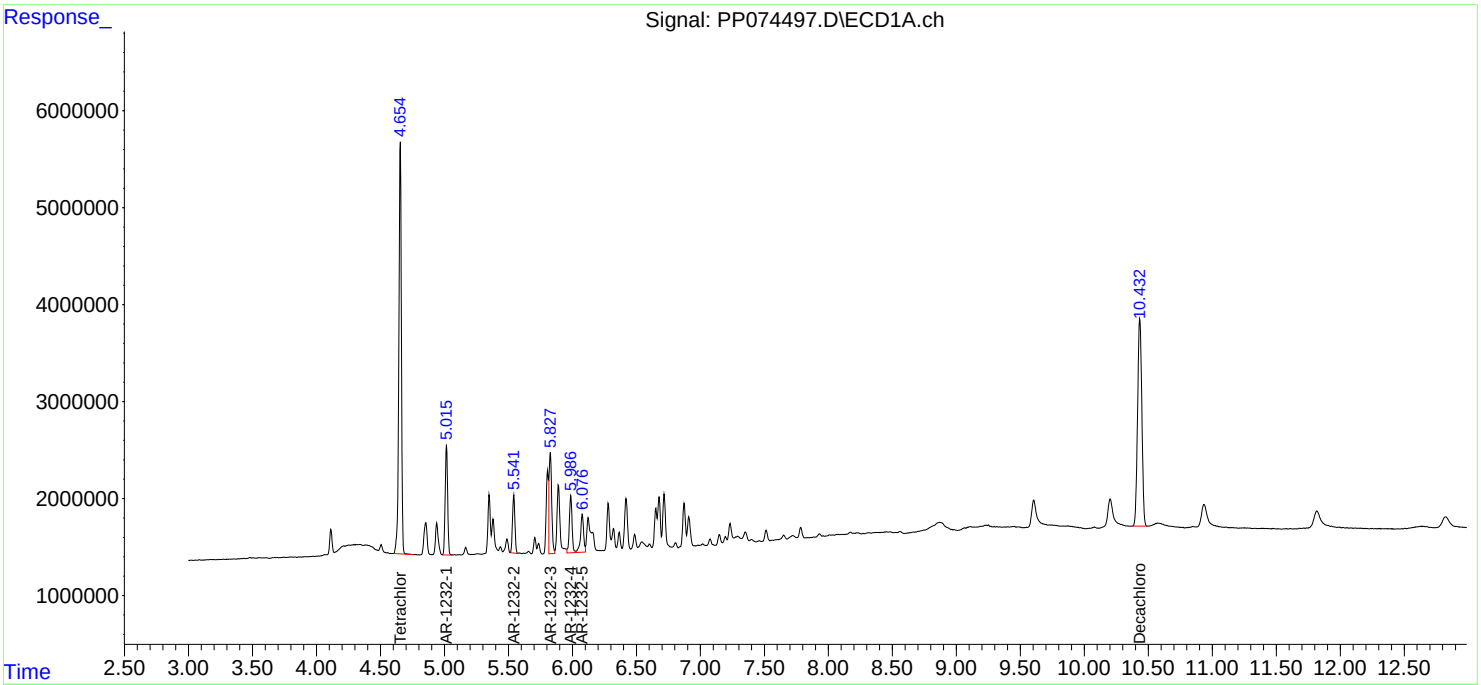
Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

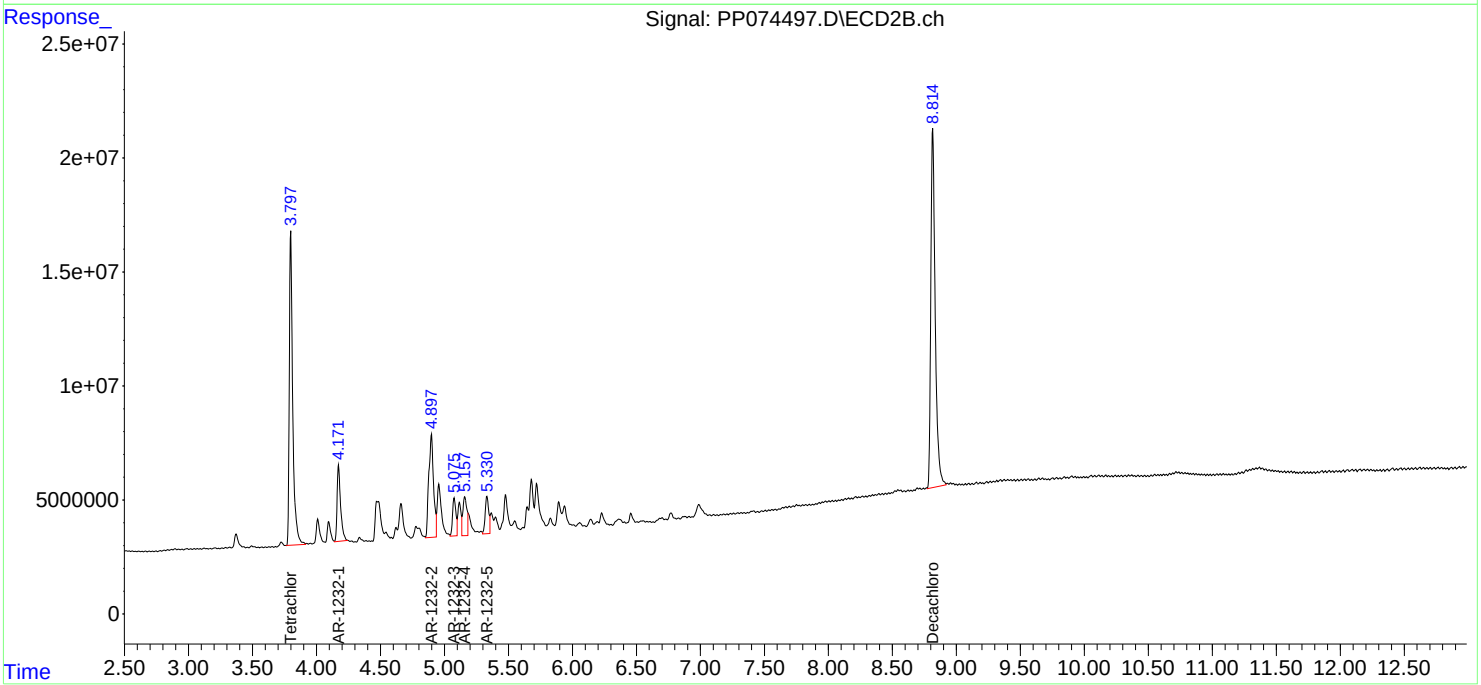
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:13:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:12:32 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\PP081925\
Data File : PP074498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 11:55
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 13:23:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 13:20:12 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...	4.655	3.799	110.2E6	555.2E6	94.277	102.648
2)	SA Decachlor...	10.434	8.816	94257109	743.9E6	92.733	97.953
	Target Compounds						
16)	L4 AR-1242-1	5.807	4.900	33534775	426.2E6	928.998	984.768
17)	L4 AR-1242-2	5.828	4.957	50582395	203.0E6	932.415	985.806
18)	L4 AR-1242-3	5.892	5.076	33349694	114.7E6	909.705	983.673
19)	L4 AR-1242-4	5.989	5.158	27192200	162.8E6	920.414	981.770m
20)	L4 AR-1242-5	6.718	5.681	29731727	176.2E6	923.938	949.598

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 11:55
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

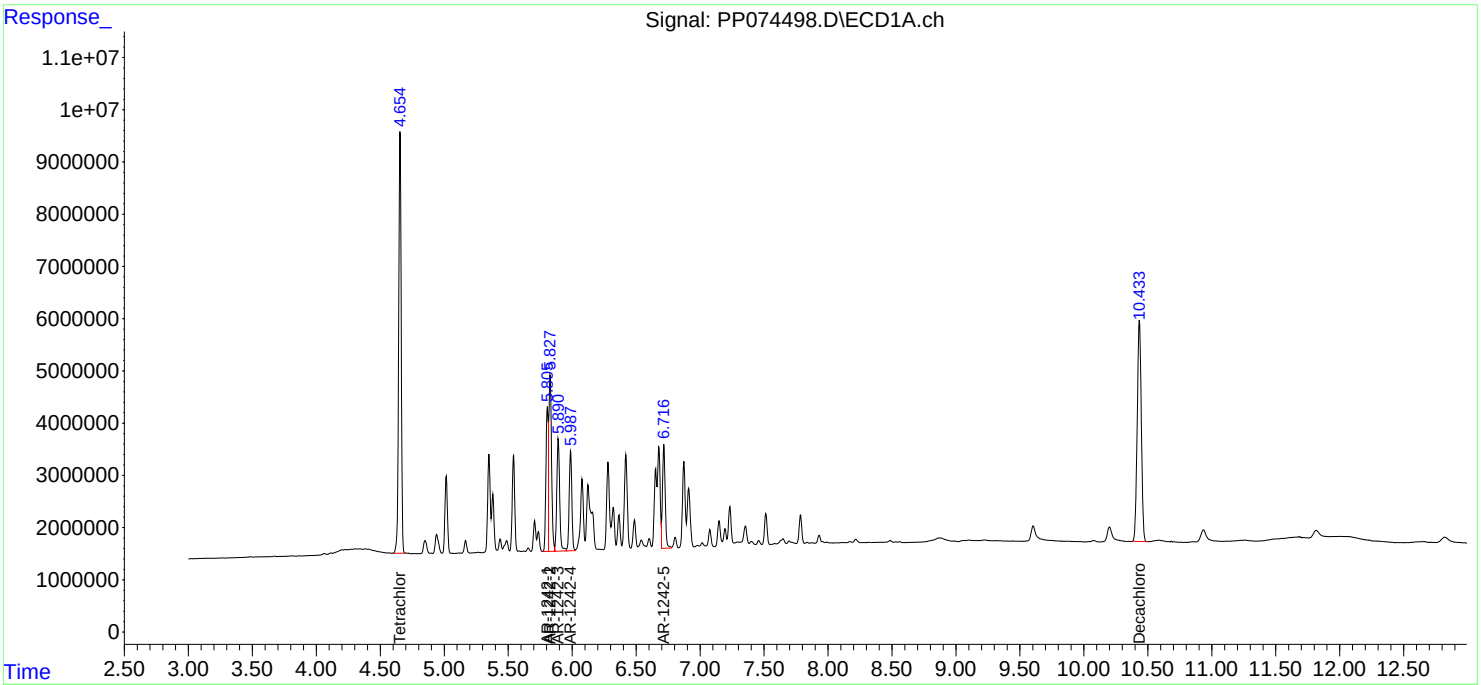
Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

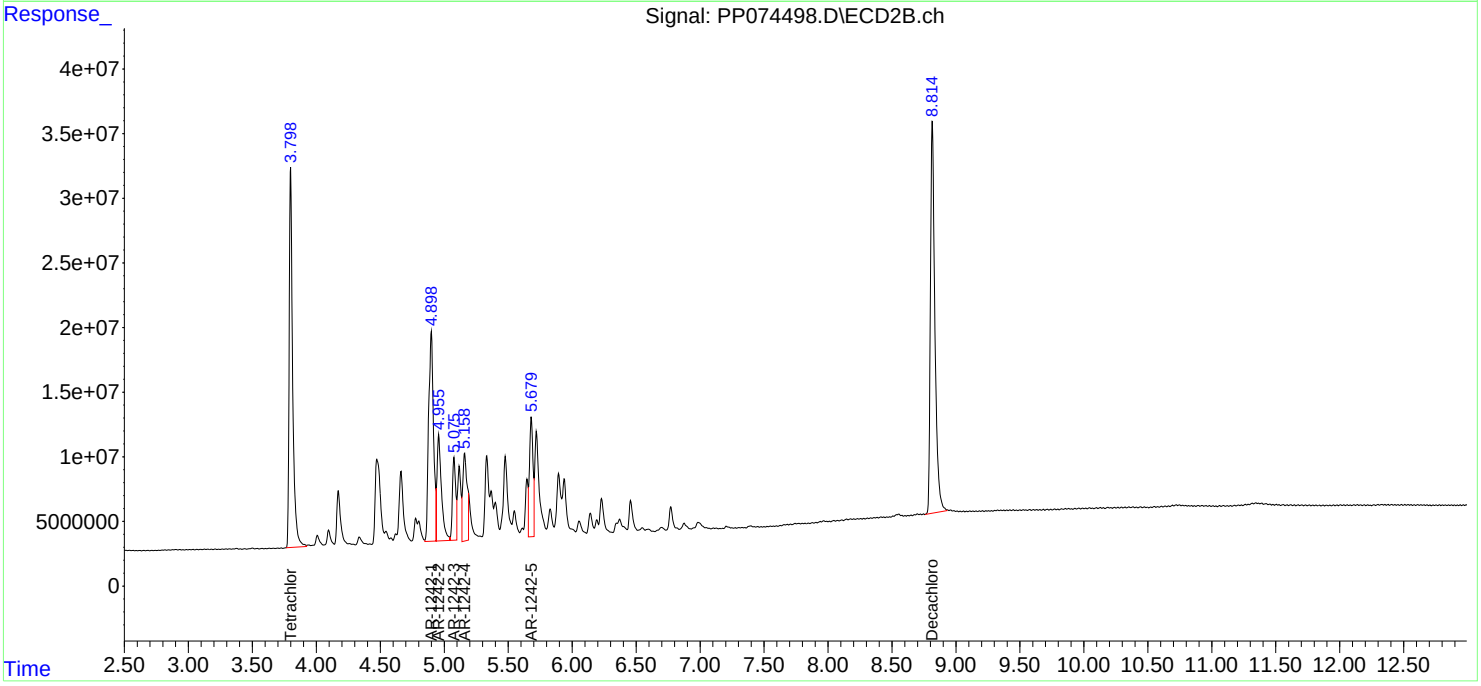
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 13:23:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 13:20:12 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\PP081925\
Data File : PP074499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 12:12
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 13:26:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 13:20:12 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...	4.658	3.802	86349070	412.2E6	74.262	75.797
2)	SA Decachlor...	10.437	8.817	74892062	573.5E6	74.115	75.344
	Target Compounds						
16)	L4 AR-1242-1	5.809	4.901	26397194	324.0E6	737.408	749.001
17)	L4 AR-1242-2	5.831	4.960	39340318	155.5E6	733.271	753.574
18)	L4 AR-1242-3	5.894	5.078	26560976	89250623	732.822	760.349
19)	L4 AR-1242-4	5.991	5.162	21474232	119.5E6	734.419	741.577m
20)	L4 AR-1242-5	6.720	5.682	23050385	144.9E6	727.198	770.068

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 12:12
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

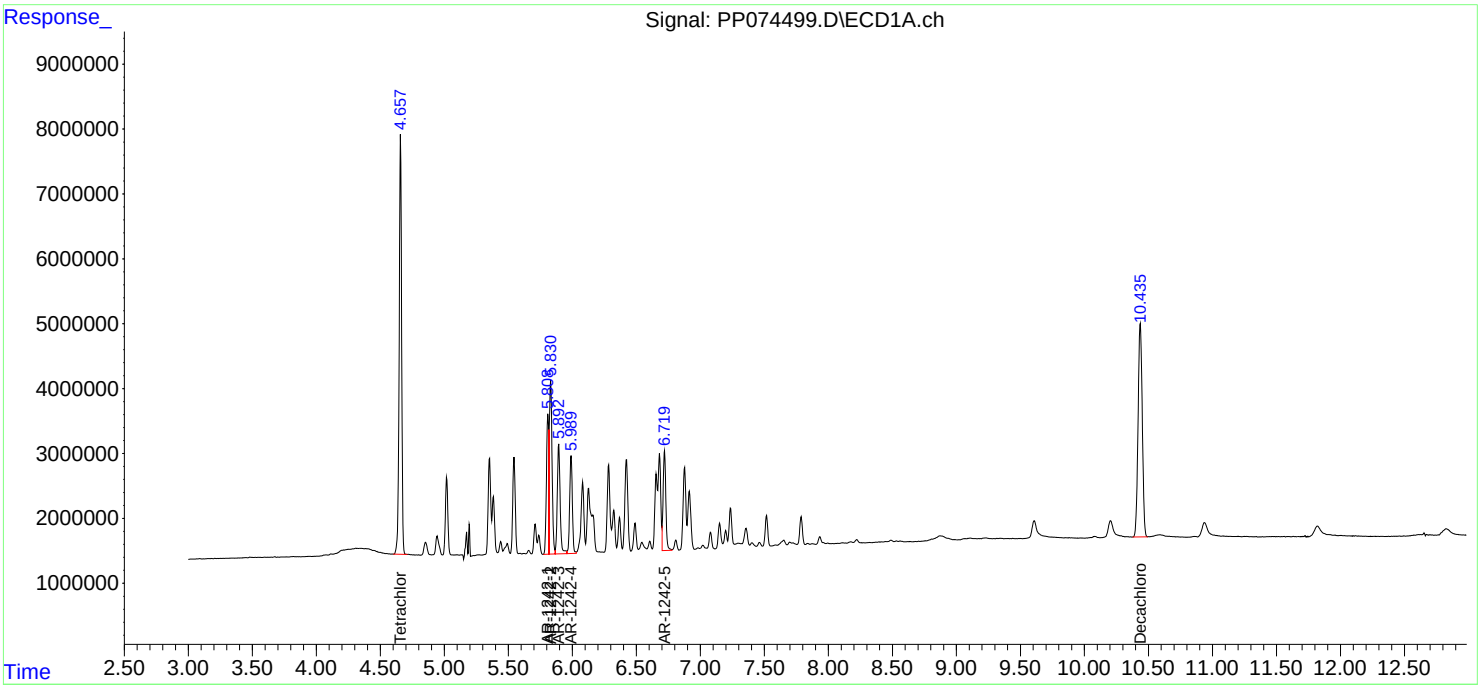
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

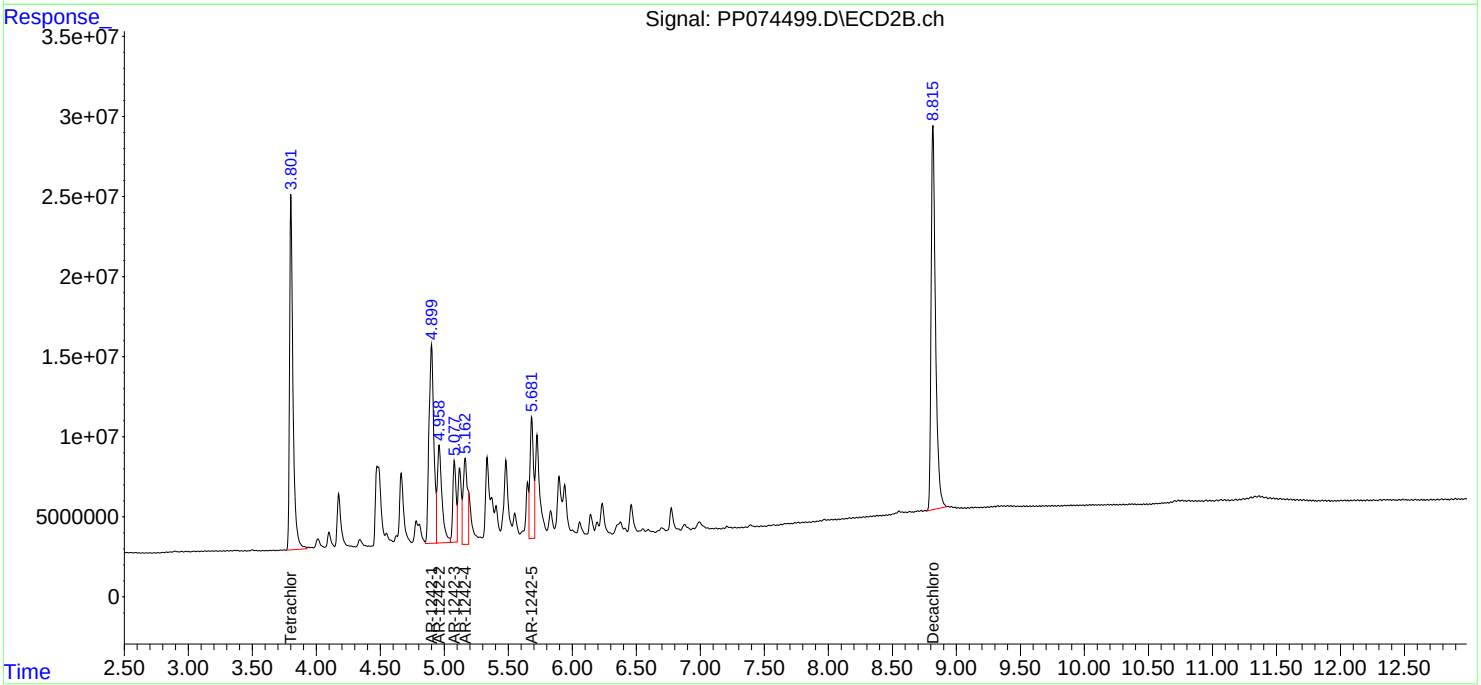
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 13:26:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 13:20:12 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\PP081925\
Data File : PP074500.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 12:28
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 13:20:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 13:20:12 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...	4.655	3.799	61768053	263.3E6	50.000	50.000
2)	SA Decachlor...	10.434	8.814	54515432	387.5E6	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	5.807	4.898	19330395	219.7E6	500.000	500.000
17)	L4 AR-1242-2	5.828	4.957	28957608	104.4E6	500.000	500.000
18)	L4 AR-1242-3	5.891	5.076	19985033	59237210	500.000	500.000
19)	L4 AR-1242-4	5.988	5.159	15947348	84962372	500.000	493.889m
20)	L4 AR-1242-5	6.717	5.679	17313490	97476940	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\PP081925\
Data File : PP074500.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 12:28
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

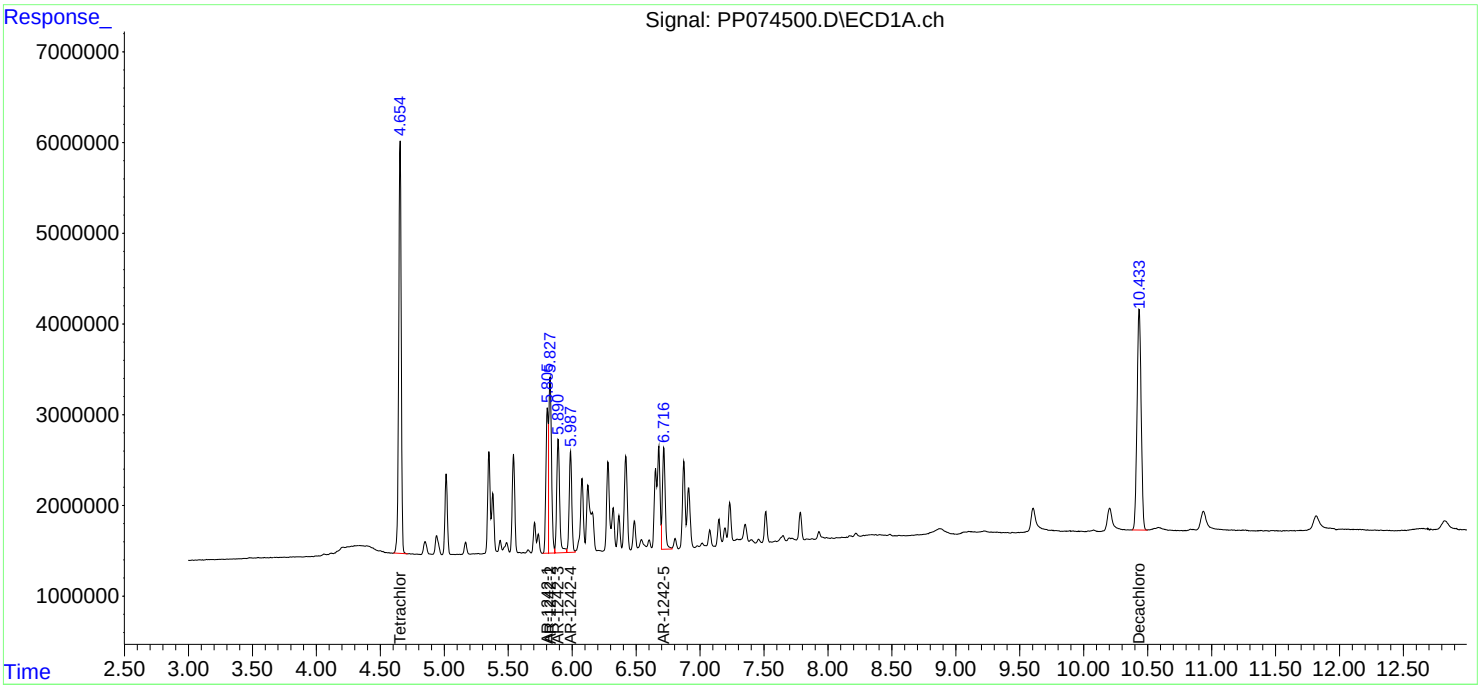
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

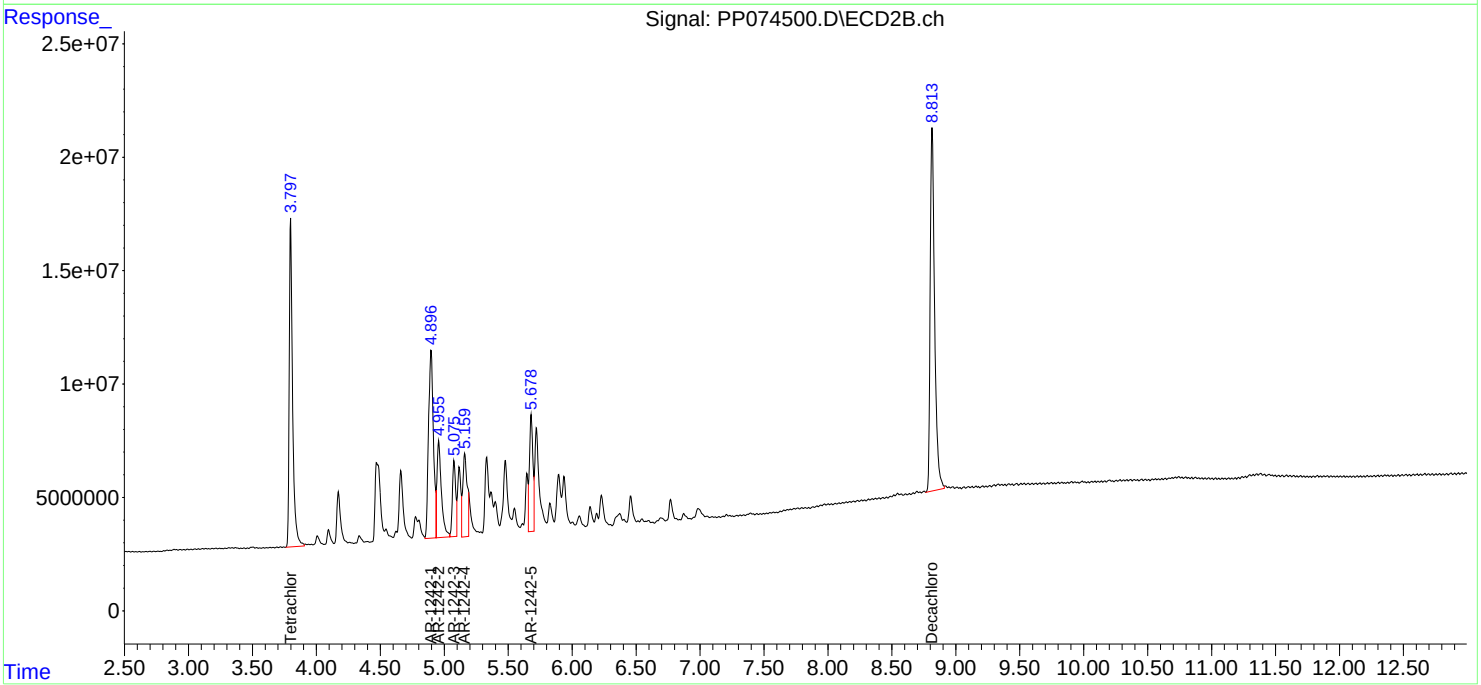
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 13:20:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 13:20:12 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\PP081925\
Data File : PP074501.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 12:44
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 13:29:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 13:20:12 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...	4.658	3.802	31800678	118.0E6	26.721	22.435
2)	SA Decachlor...	10.437	8.817	28324807	184.7E6	27.206	24.441
	Target Compounds						
16)	L4 AR-1242-1	5.810	4.901	10310435	106.8E6	277.473	247.620
17)	L4 AR-1242-2	5.831	4.959	15526062	51090902	278.425	248.140
18)	L4 AR-1242-3	5.894	5.079	10970993	31438734	287.541	263.142
19)	L4 AR-1242-4	5.991	5.161	8954111	42481198	289.928	257.799m
20)	L4 AR-1242-5	6.720	5.682	9712723	49681879	290.054	260.430

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074501.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 12:44
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

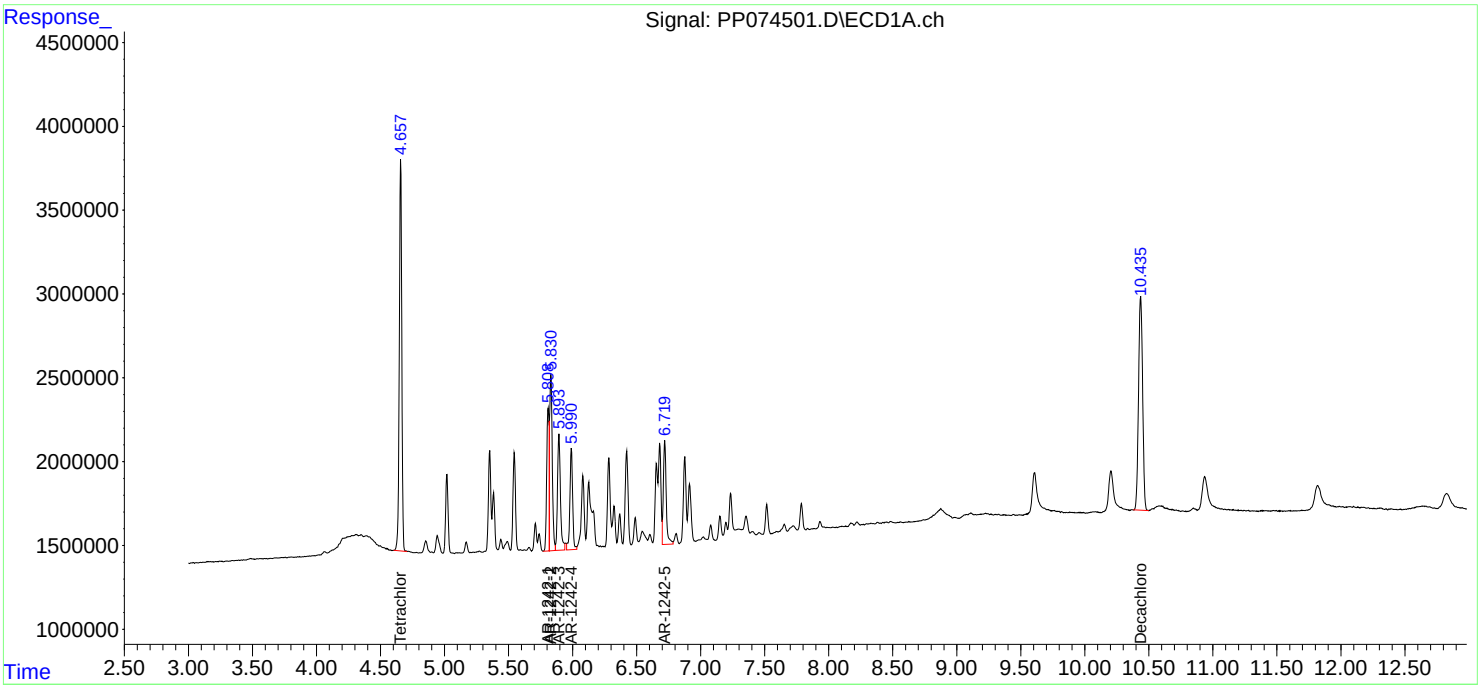
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

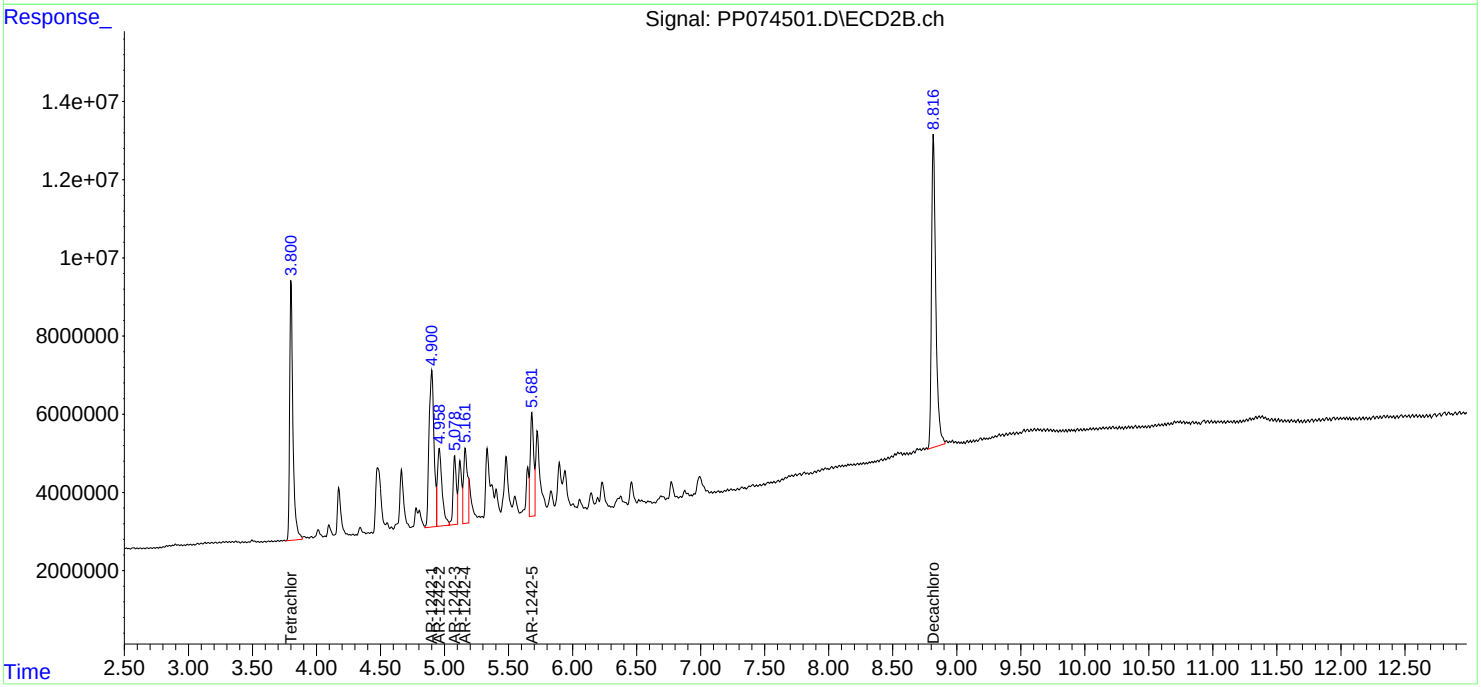
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 13:29:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 13:20:12 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\PP081925\
Data File : PP074502.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 13:00
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 13:33:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 13:20:12 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...	4.656	3.798	6391941	16722681	5.292	3.430 #
2)	SA Decachlor...	10.435	8.815	5418588	33484970	5.162	4.535
	Target Compounds						
16)	L4 AR-1242-1	5.806	4.899	2137122	19201283	56.071m	45.527
17)	L4 AR-1242-2	5.828	4.955	2967713	8891532	52.817m	44.395
18)	L4 AR-1242-3	5.891	5.077	2519809	5679652	61.812m	48.011
19)	L4 AR-1242-4	5.987	5.156	1758680	9687724	54.251m	58.359m
20)	L4 AR-1242-5	6.717	5.680	2320479	8137241	65.686m	43.946 #

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074502.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 13:00
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

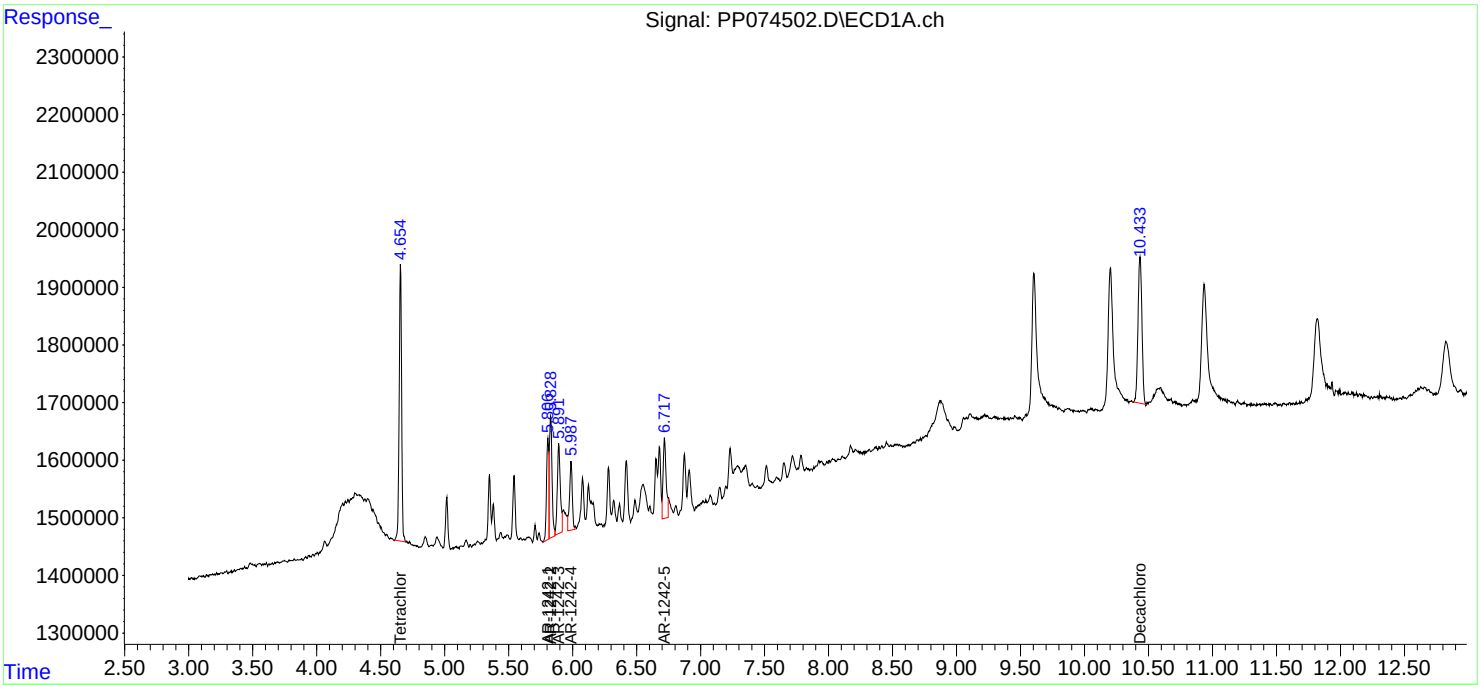
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

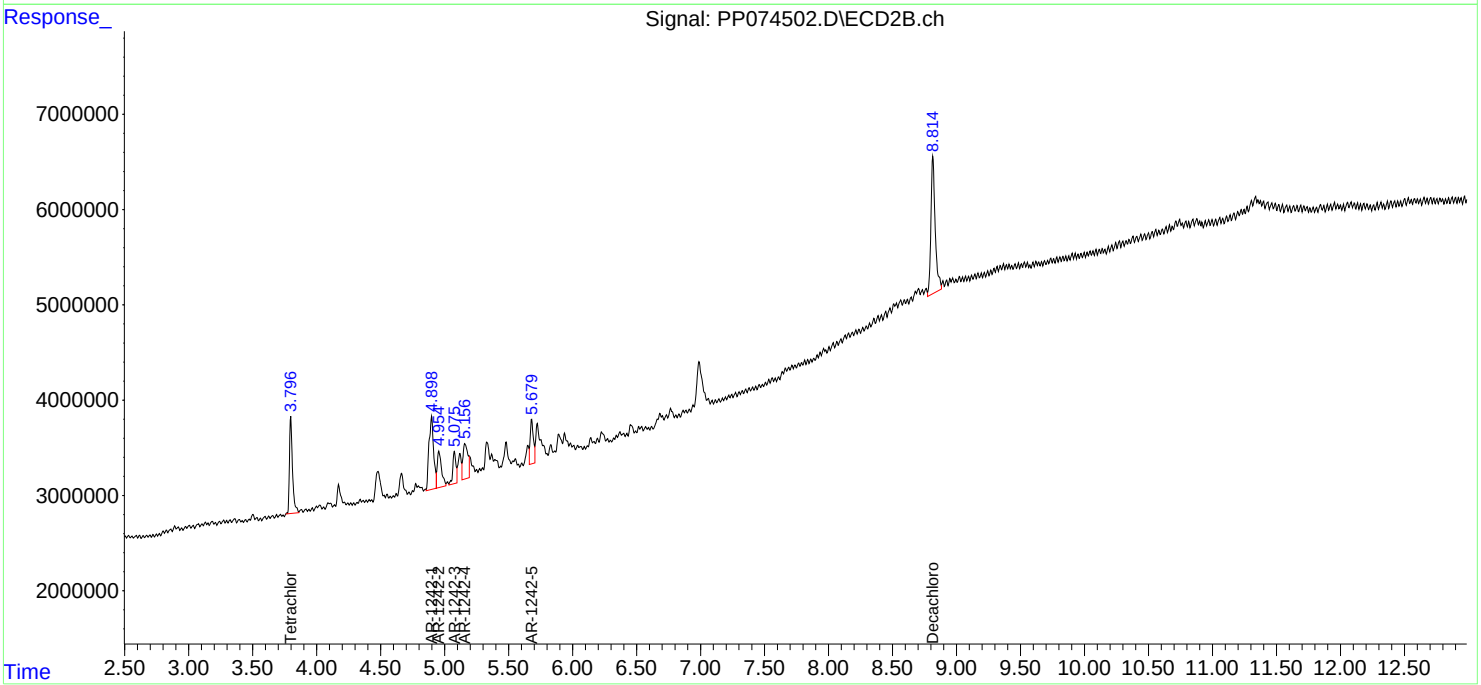
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 13:33:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 13:20:12 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\PP081925\
Data File : PP074503.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 13:16
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:04:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 04:42:15 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...	4.655	3.800	110.1E6	492.2E6	91.706	99.983
2)	SA Decachlor...	10.435	8.815	95099389	736.2E6	88.794	93.998
	Target Compounds						
21)	L5 AR-1248-1	5.806	4.897	26825393	276.8E6	869.659	941.101
22)	L5 AR-1248-2	6.078	5.118	37601198	170.4E6	870.163	925.395
23)	L5 AR-1248-3	6.281	5.157	41457218	216.9E6	885.508	952.815m
24)	L5 AR-1248-4	6.679	5.331	47576379	216.0E6	874.270	940.843
25)	L5 AR-1248-5	6.718	5.721	47007884	365.9E6	868.926	946.465

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074503.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 13:16
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

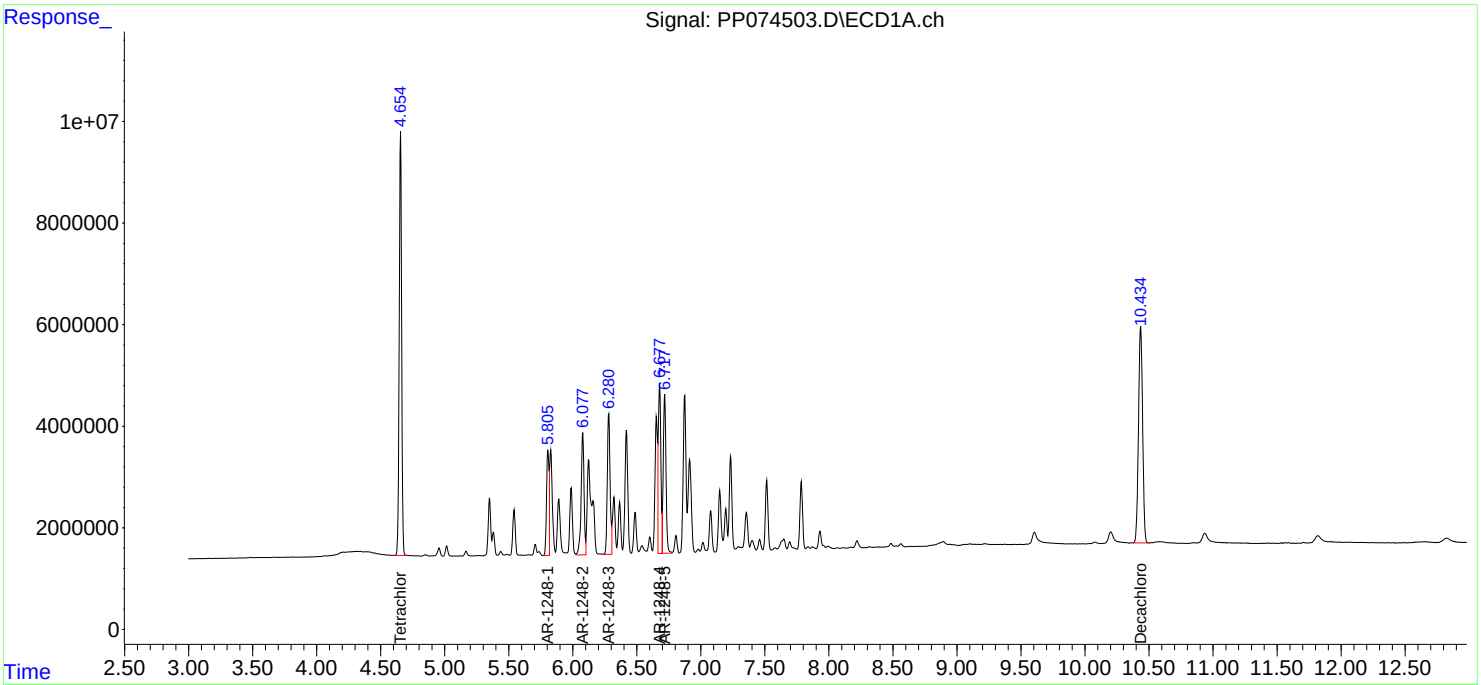
Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

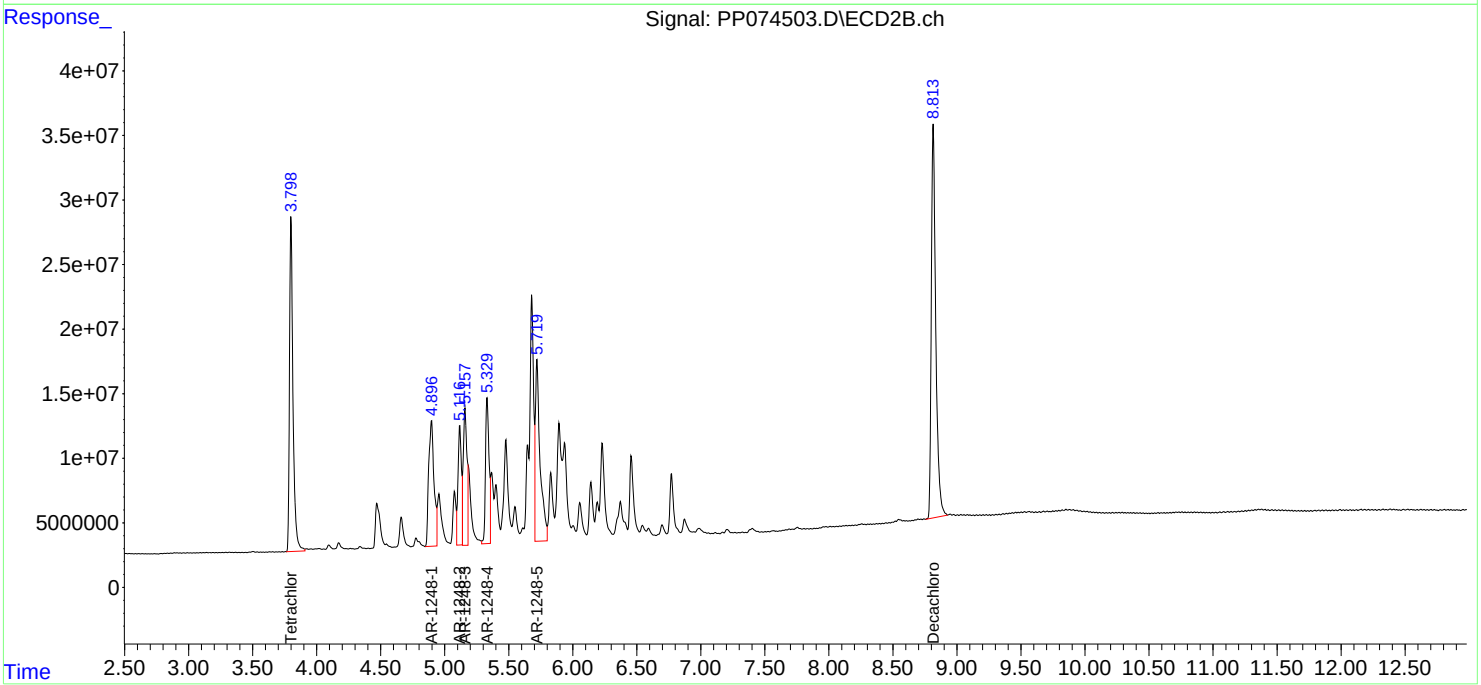
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:04:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 04:42:15 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\PP081925\
Data File : PP074504.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 13:33
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:05:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 04:42:15 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...	4.659	3.803	86008422	395.4E6	71.640	80.329
2)	SA Decachlor...	10.439	8.818	75691794	571.8E6	70.673	72.999
	Target Compounds						
21)	L5 AR-1248-1	5.810	4.902	21304287	204.7E6	690.669	696.142
22)	L5 AR-1248-2	6.082	5.122	29923107	132.7E6	692.477	720.722
23)	L5 AR-1248-3	6.284	5.161	32832116	177.7E6	701.279	780.792m
24)	L5 AR-1248-4	6.682	5.334	38171735	166.6E6	701.449	725.726
25)	L5 AR-1248-5	6.721	5.724	37544119	283.6E6	693.991	733.686

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074504.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 13:33
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

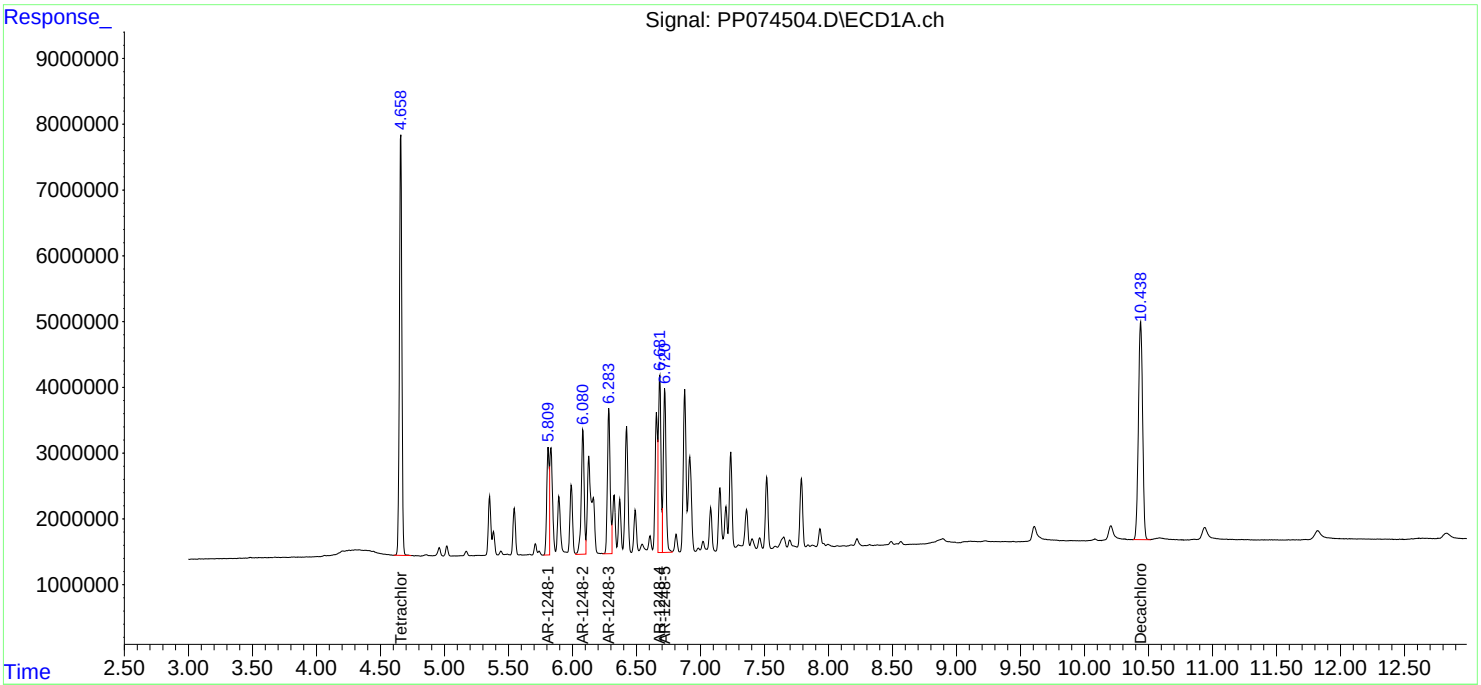
Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

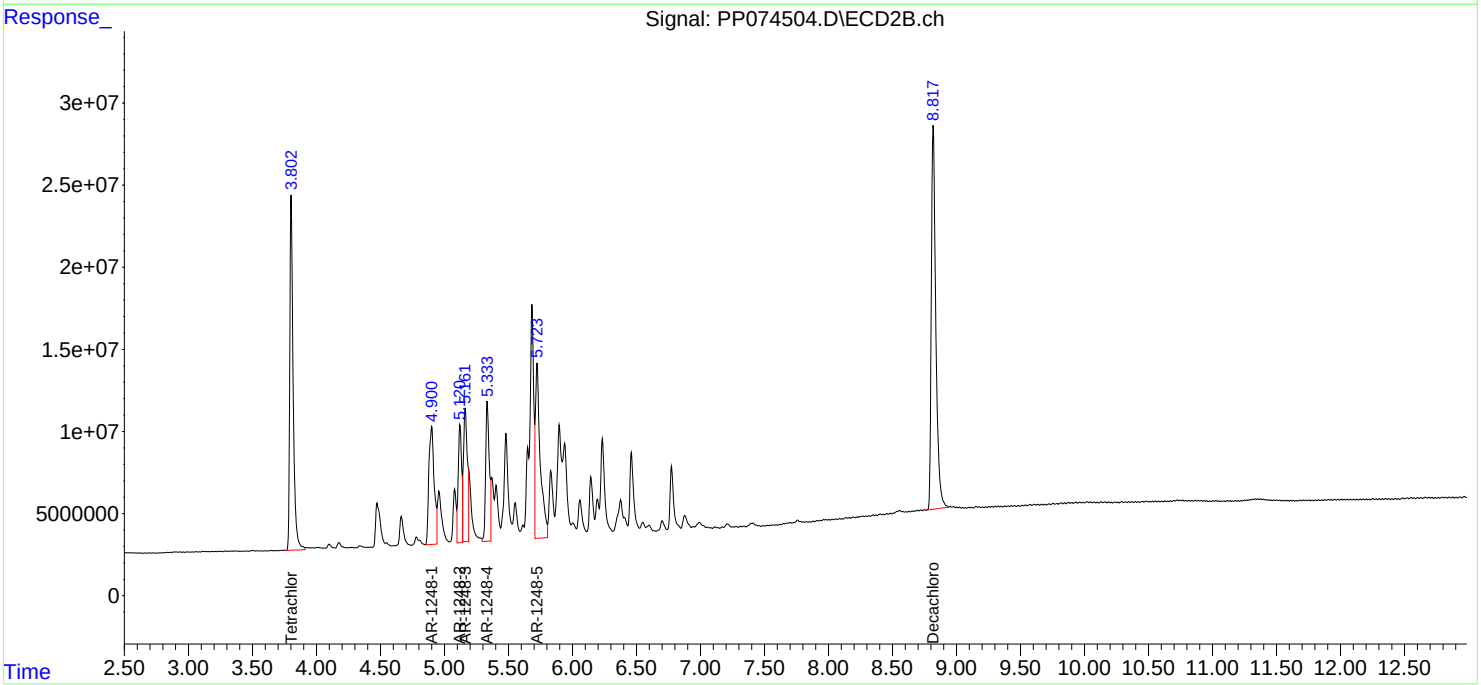
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:05:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 04:42:15 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\PP081925\
Data File : PP074505.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 13:49
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:05:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 04:42:15 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...	4.656	3.801	60028320	246.1E6	50.000	50.000
2)	SA Decachlor...	10.435	8.815	53550623	391.6E6	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	5.807	4.899	15422936	147.1E6	500.000	500.000
22)	L5 AR-1248-2	6.078	5.119	21605843	92083909	500.000	500.000
23)	L5 AR-1248-3	6.281	5.159	23408730	113.0E6	500.000	496.516m
24)	L5 AR-1248-4	6.679	5.331	27209215	114.8E6	500.000	500.000
25)	L5 AR-1248-5	6.718	5.721	27049432	193.3E6	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\PP081925\
Data File : PP074505.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 13:49
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

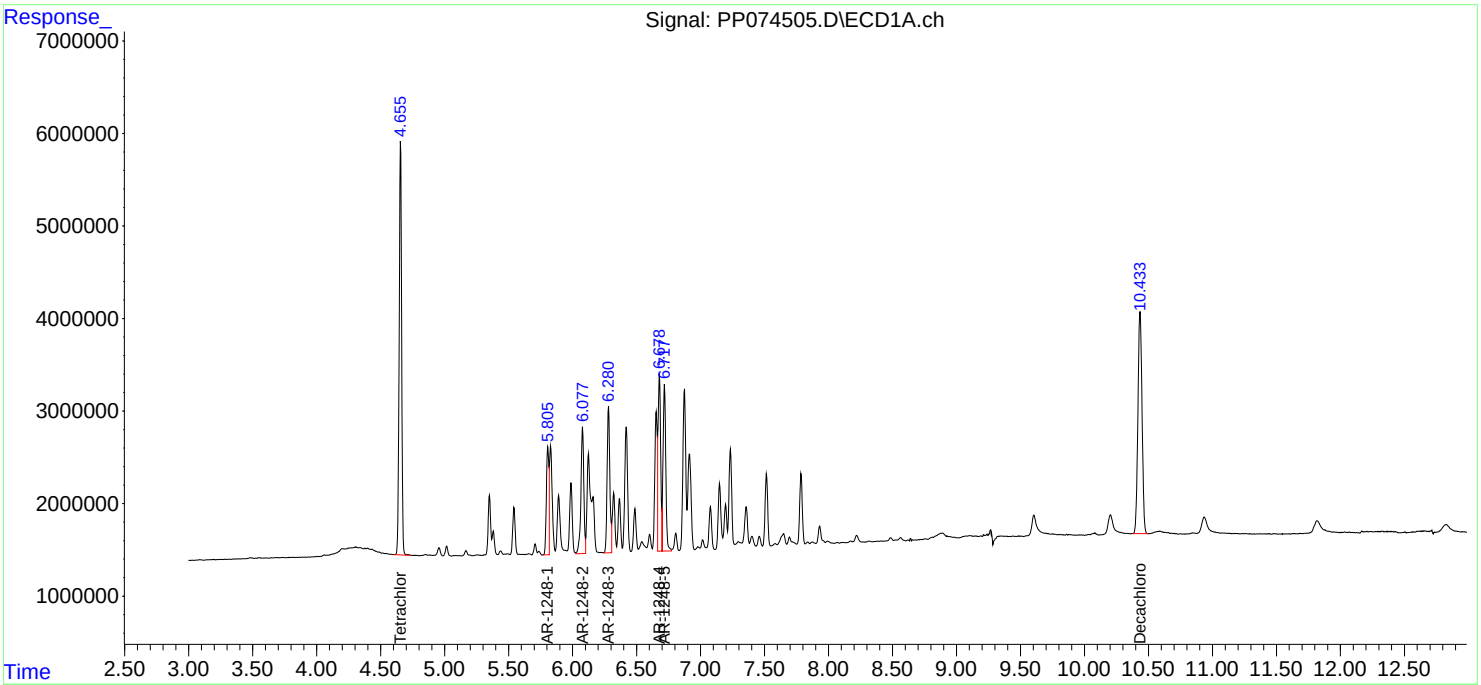
Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

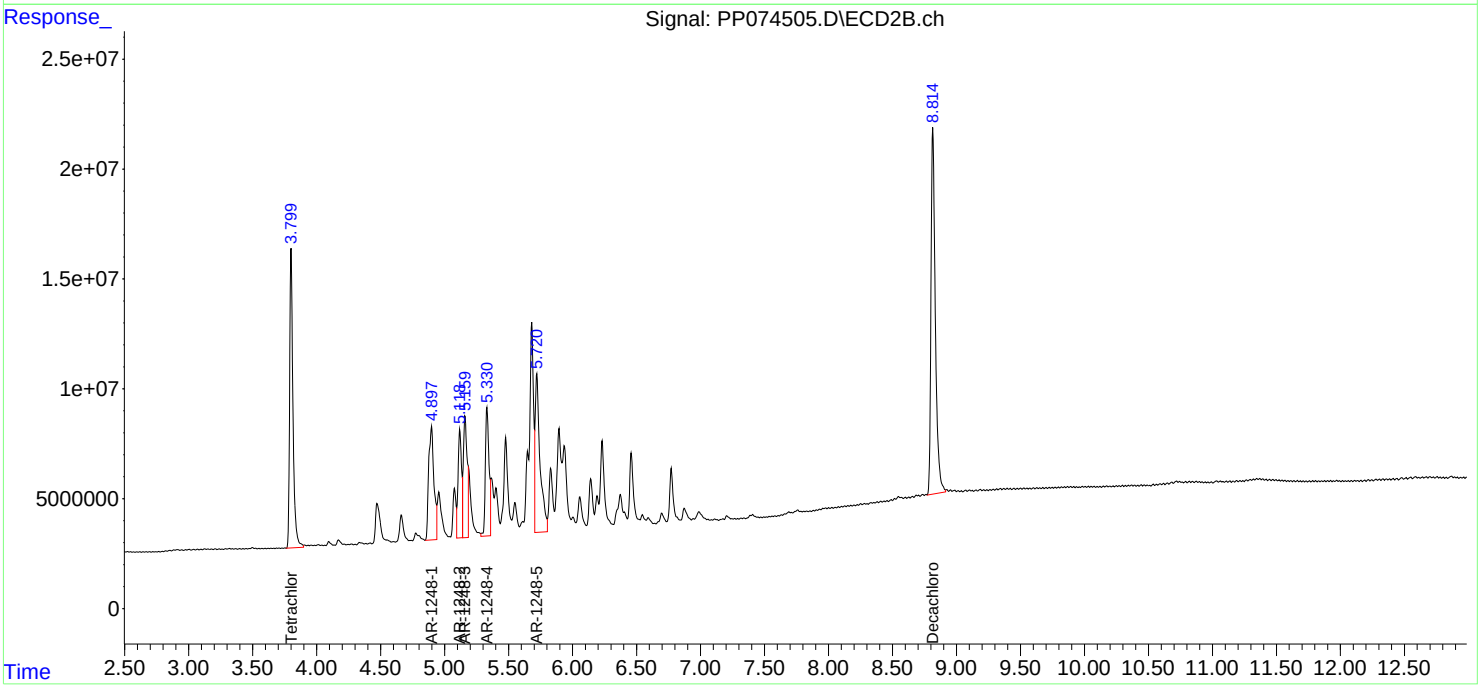
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:05:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 04:42:15 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\PP081925\
Data File : PP074506.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 14:05
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:05:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 04:42:15 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...	4.657	3.800	31924312	118.9E6	26.591	24.146
2)	SA Decachlor...	10.436	8.815	29199630	195.8E6	27.264	24.994
	Target Compounds						
21)	L5 AR-1248-1	5.808	4.899	8518595	71878916	276.166	244.395
22)	L5 AR-1248-2	6.080	5.119	12195931	47171019	282.237	256.131
23)	L5 AR-1248-3	6.282	5.159	12988856	58195671	277.436	255.666m
24)	L5 AR-1248-4	6.680	5.333	15166776	55484288	278.707	241.660
25)	L5 AR-1248-5	6.719	5.722	15479077	98298762	286.126	254.267

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074506.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 14:05
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

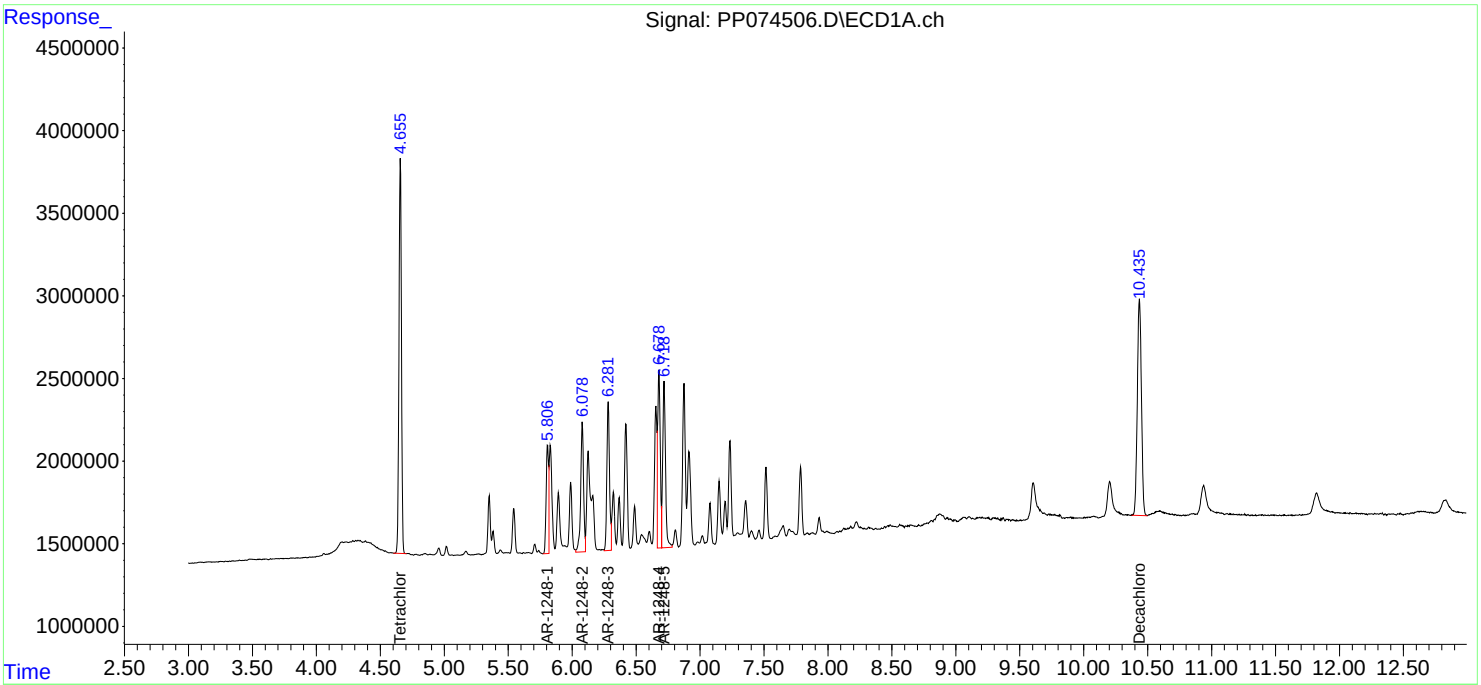
Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

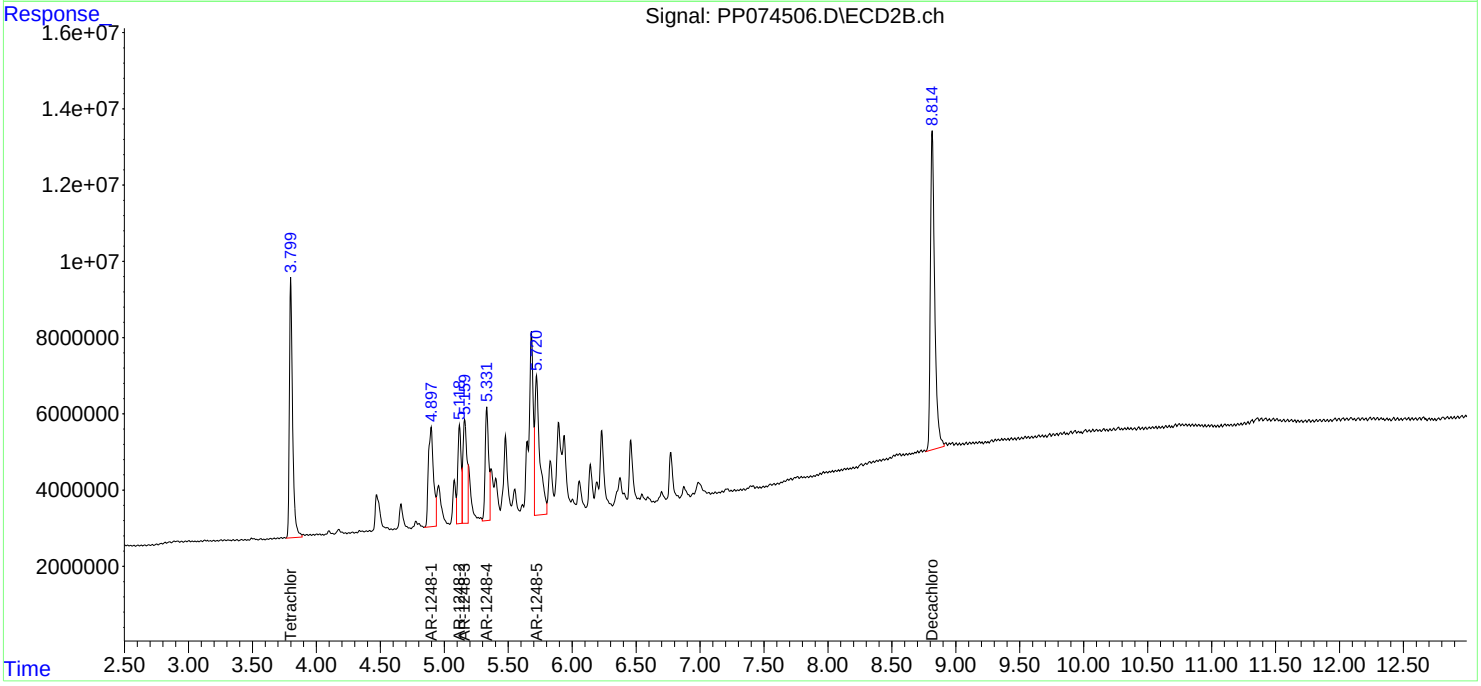
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:05:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 04:42:15 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\PP081925\
Data File : PP074507.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 14:21
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:05:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 04:42:15 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...	4.655	3.799	6057310	15338885	5.045	3.116 #
2)	SA Decachlor...	10.435	8.816	5286868	30885168	4.936	3.943
	Target Compounds						
21)	L5 AR-1248-1	5.807	4.899	1548436	12465555	50.199	42.384
22)	L5 AR-1248-2	6.076	5.120	2299309	8175959	53.210m	44.394
23)	L5 AR-1248-3	6.281	5.159	2475589	11167270	52.877	49.060
24)	L5 AR-1248-4	6.678	5.331	3072323	10019619	56.457	43.640
25)	L5 AR-1248-5	6.716	5.720	3213520	15636577	59.401m	40.447m#

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074507.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 14:21
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

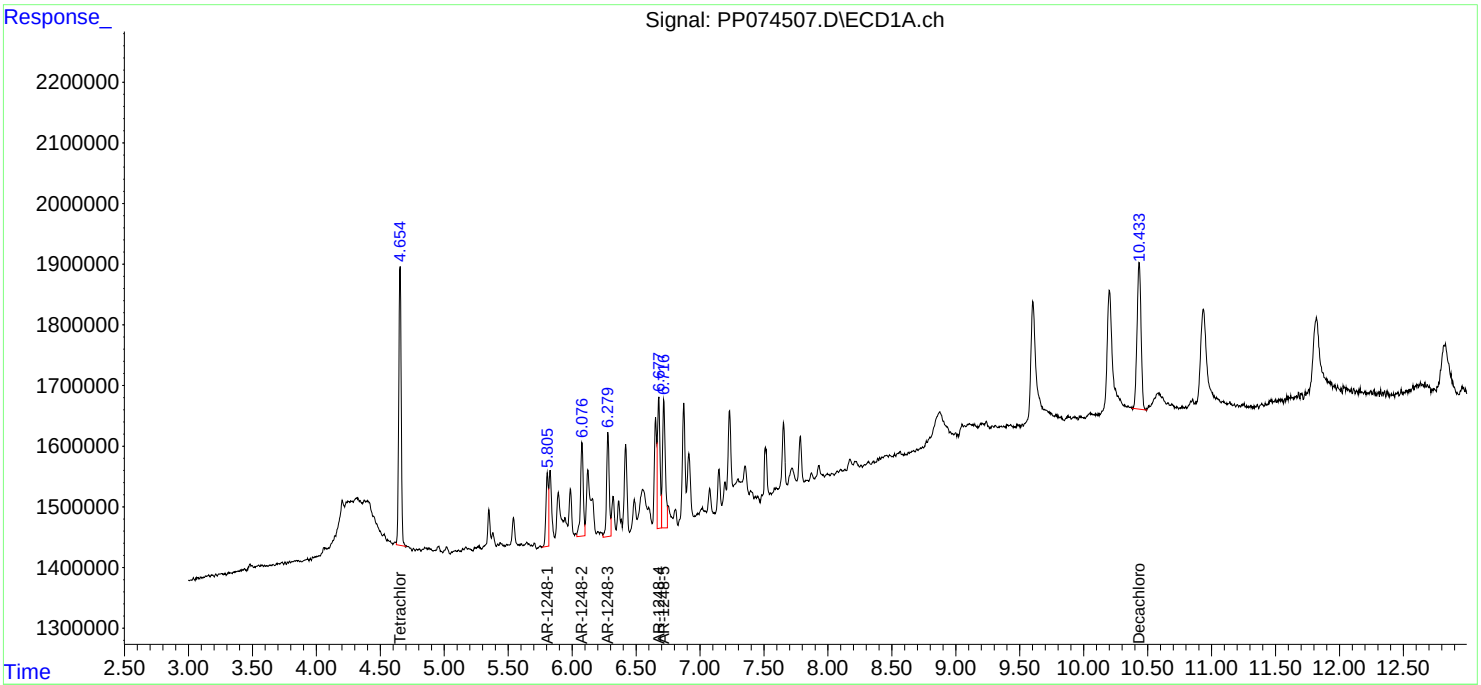
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

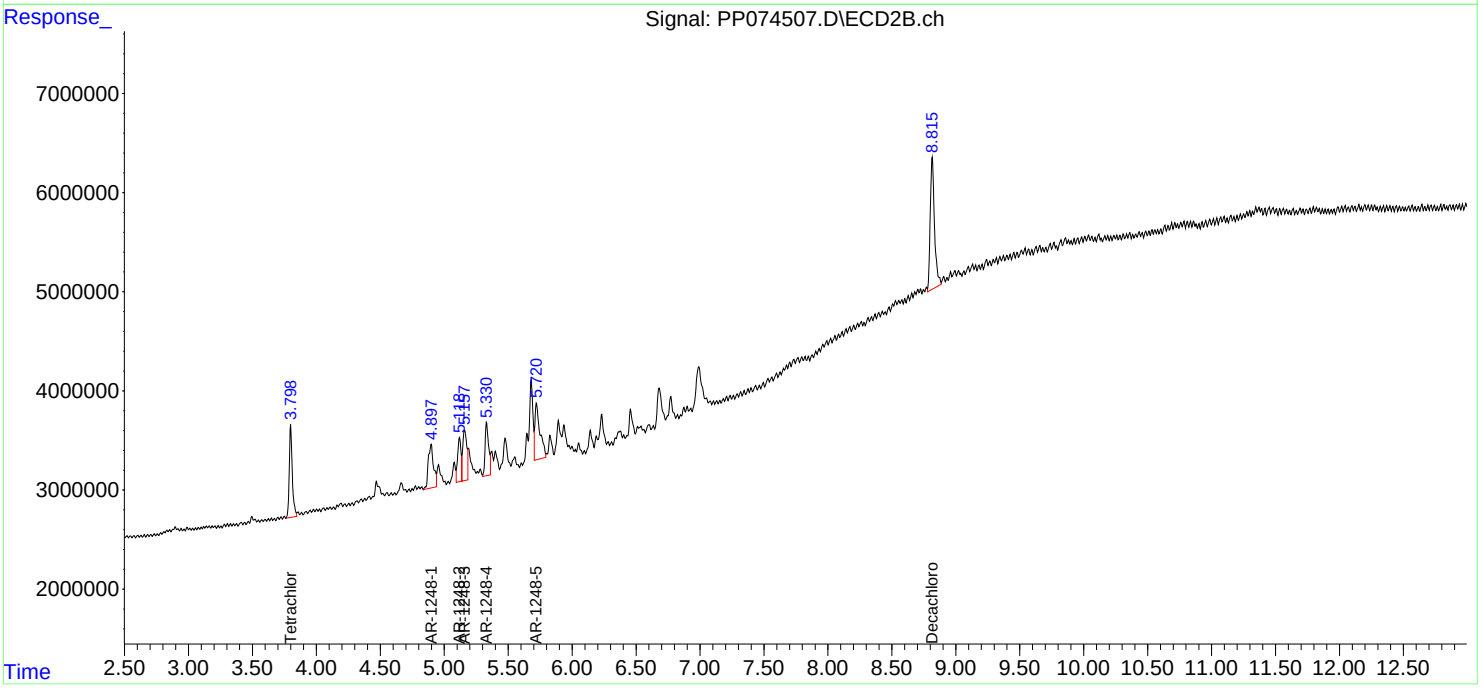
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:05:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 04:42:15 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\PP081925\
Data File : PP074508.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 14:37
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:32:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:23:21 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...	4.659	3.803	107.5E6	508.3E6	90.613	102.092
2)	SA Decachlor...	10.437	8.817	95581017	757.0E6	91.315	99.926
	Target Compounds						
26)	L6 AR-1254-1	6.658	5.685	48507797	450.8E6	823.624m	912.704
27)	L6 AR-1254-2	6.875	5.832	68997007	327.6E6	867.960	937.272
28)	L6 AR-1254-3	7.237	6.235	75433146	632.2E6	882.576	952.736
29)	L6 AR-1254-4	7.518	6.462	56817907	465.7E6	882.596	941.555
30)	L6 AR-1254-5	7.935	6.877	71518563	494.0E6	880.319	989.665m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074508.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 14:37
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

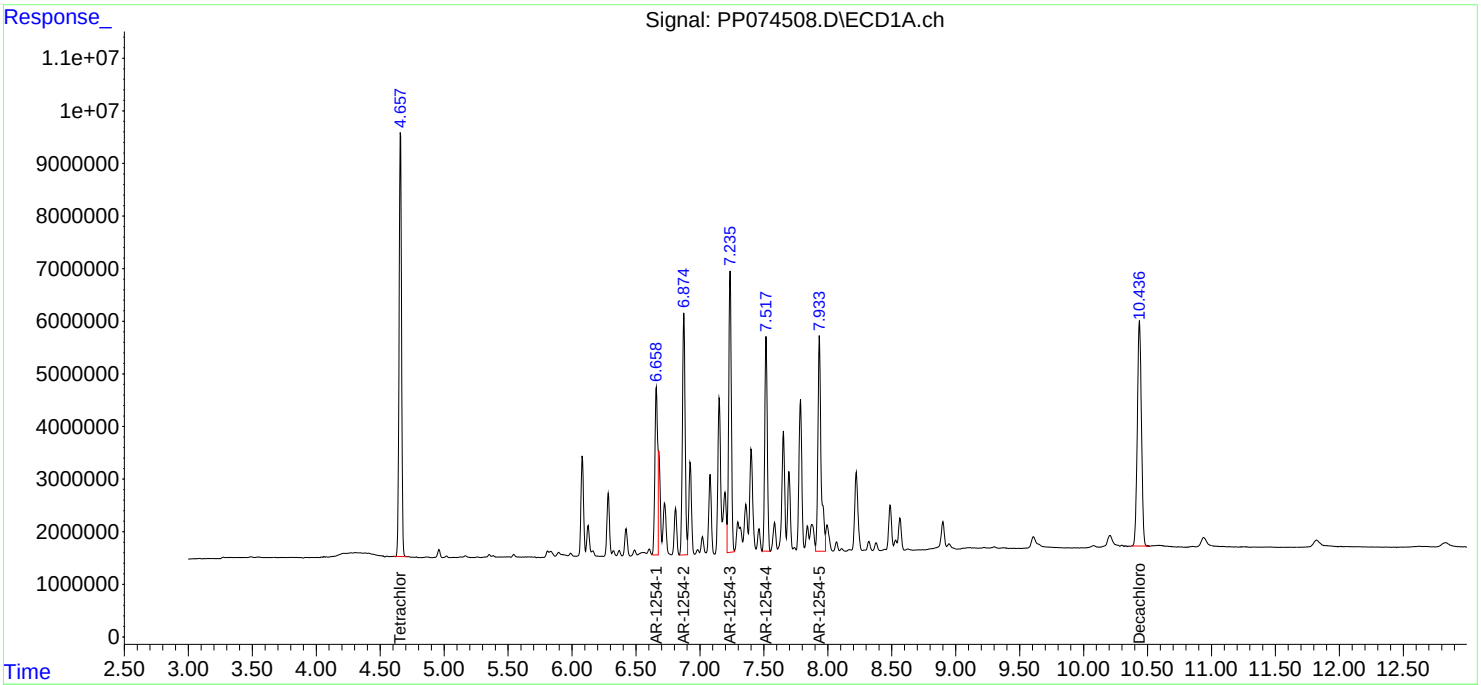
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

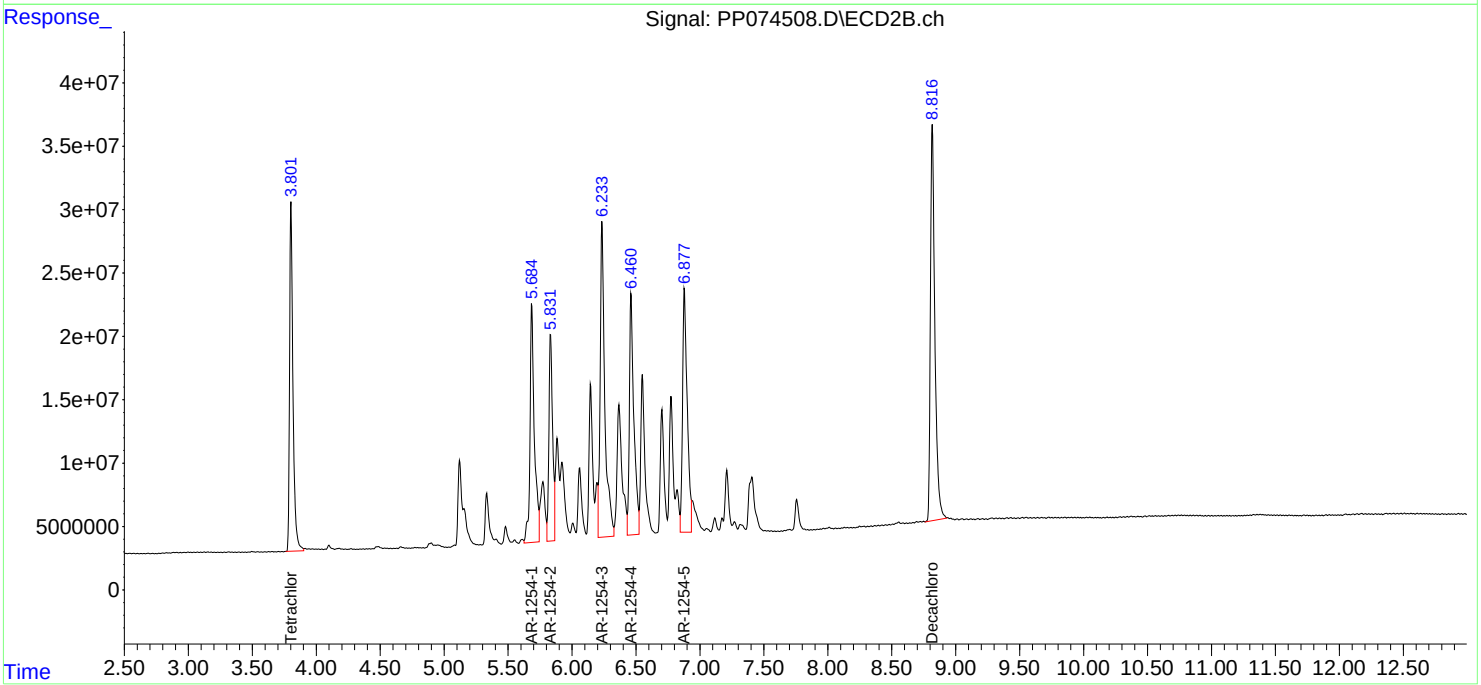
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:32:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:23:21 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\PP081925\
Data File : PP074509.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 14:53
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:24:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:23:21 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...	4.657	3.801	84355338	368.0E6	71.111	73.905
2)	SA Decachlor...	10.435	8.816	73886975	571.7E6	70.589	75.465
	Target Compounds						
26)	L6 AR-1254-1	6.655	5.683	40199220	345.4E6	682.551m	699.283
27)	L6 AR-1254-2	6.873	5.830	55301971	262.7E6	695.681	751.609
28)	L6 AR-1254-3	7.235	6.232	60201798	489.0E6	704.368	736.926
29)	L6 AR-1254-4	7.516	6.459	45192418	356.9E6	702.008	721.543
30)	L6 AR-1254-5	7.932	6.874	57258258	388.6E6	704.789	778.375m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074509.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 14:53
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

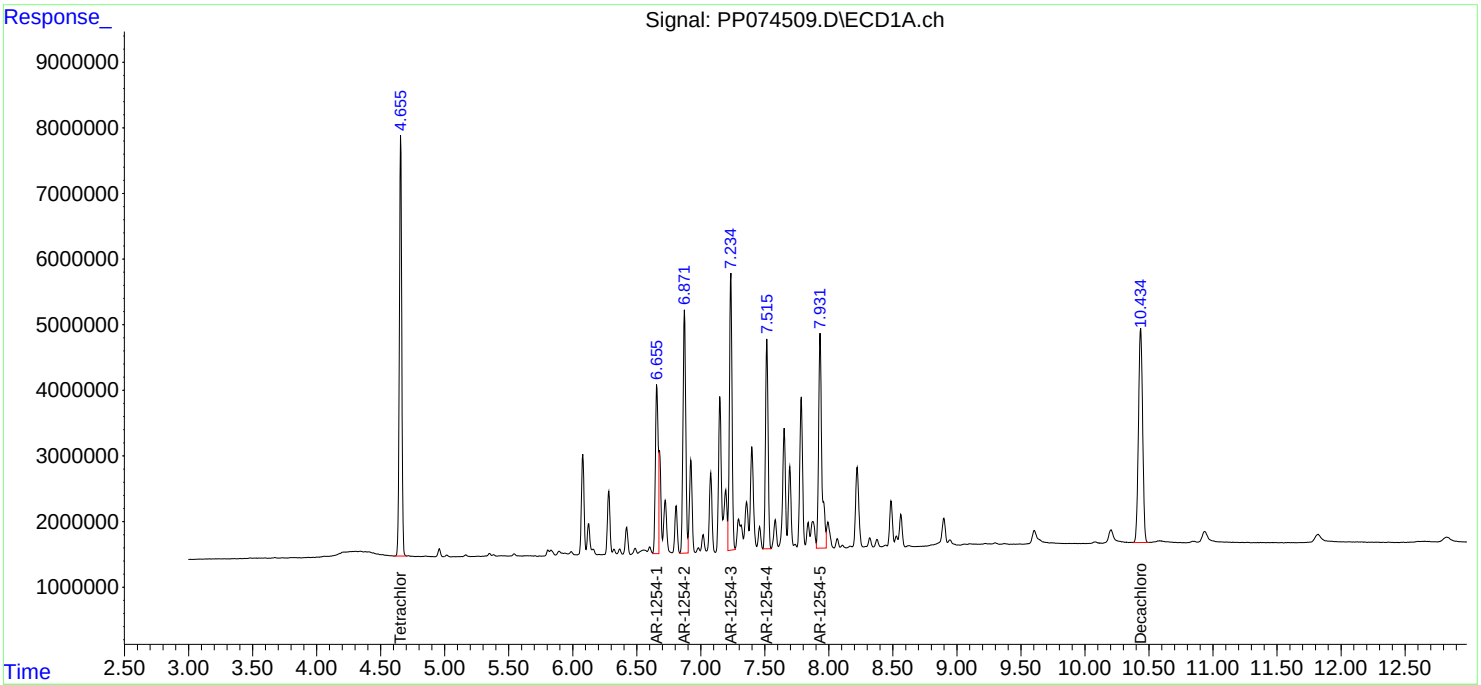
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

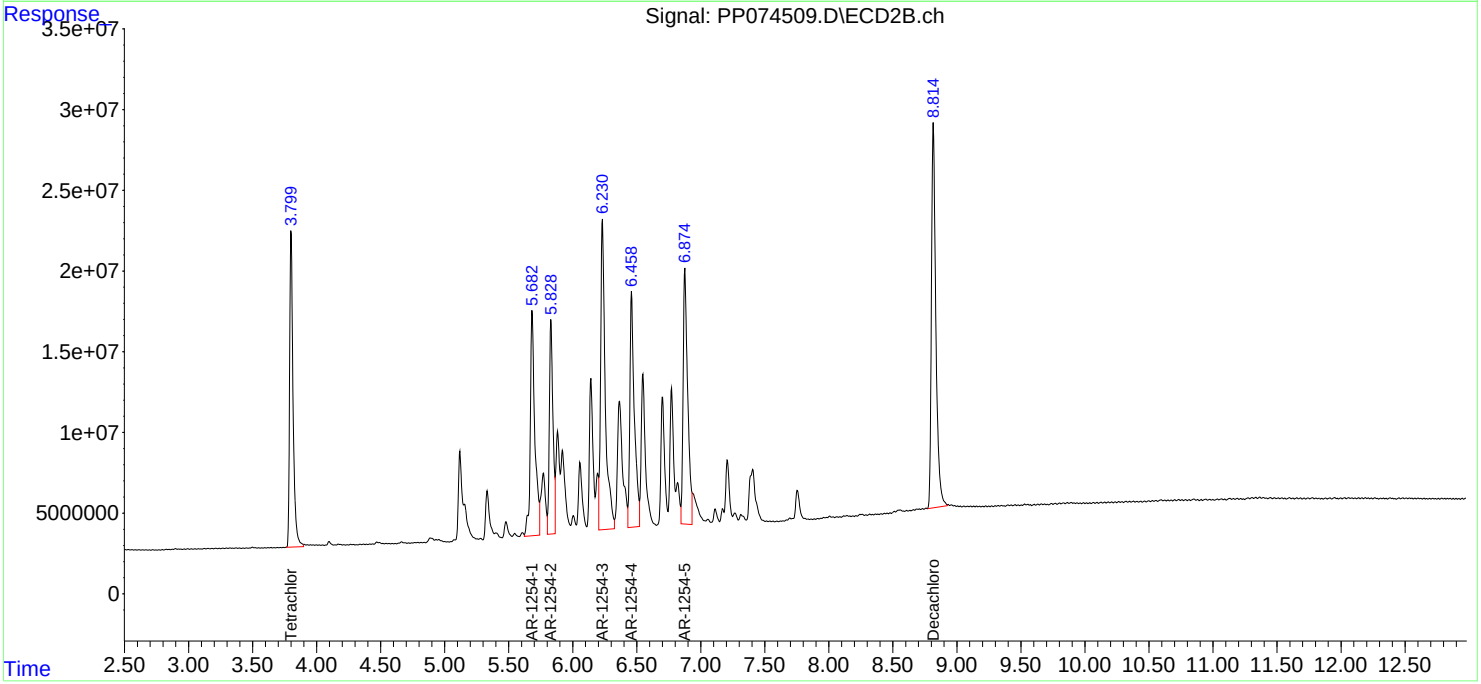
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:24:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:23:21 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\PP081925\
Data File : PP074510.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 15:10
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:24:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:23:21 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...	4.658	3.801	59312230	249.0E6	50.000	50.000
2)	SA Decachlor...	10.438	8.817	52335799	378.8E6	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	6.657	5.684	28511206	246.9E6	484.098m	500.000
27)	L6 AR-1254-2	6.874	5.831	39746657	174.8E6	500.000	500.000
28)	L6 AR-1254-3	7.236	6.233	42734643	331.8E6	500.000	500.000
29)	L6 AR-1254-4	7.517	6.459	32187957	247.3E6	500.000	500.000
30)	L6 AR-1254-5	7.934	6.877	40620840	249.6E6	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\PP081925\
Data File : PP074510.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 15:10
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

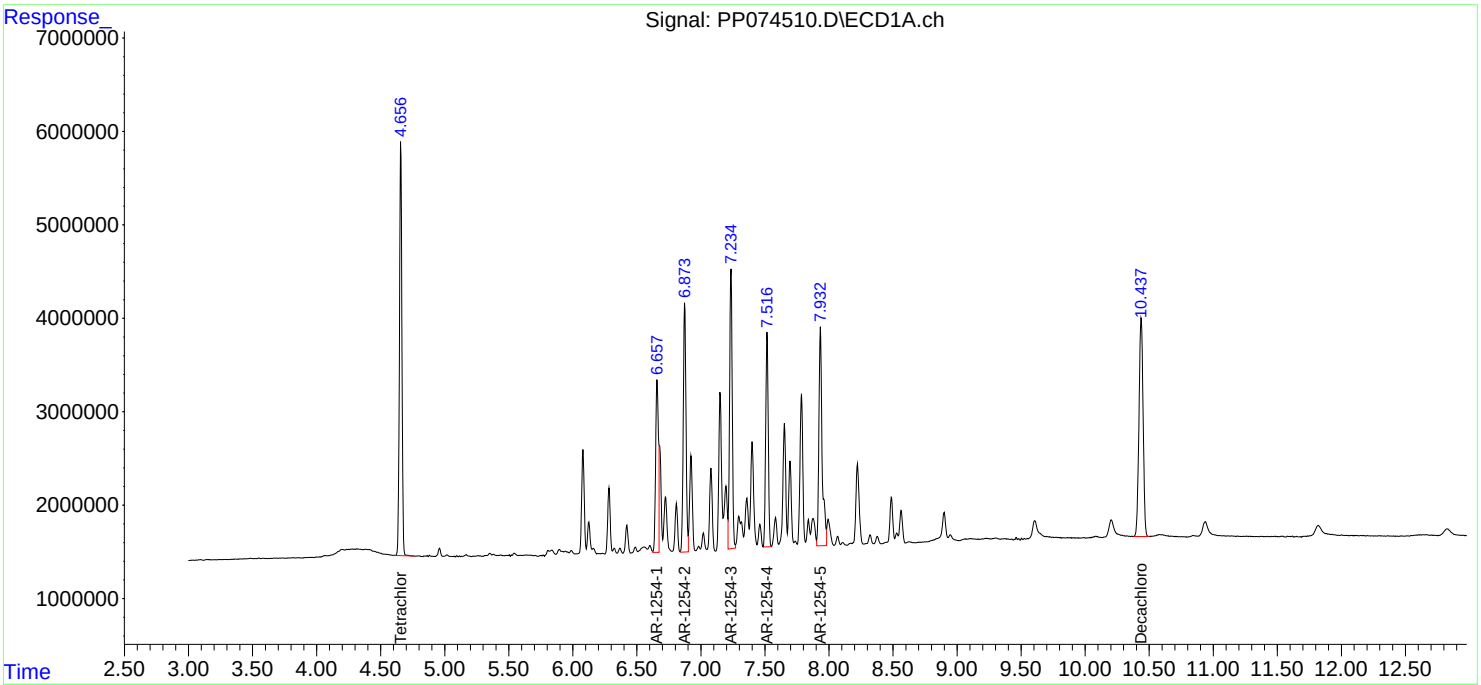
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

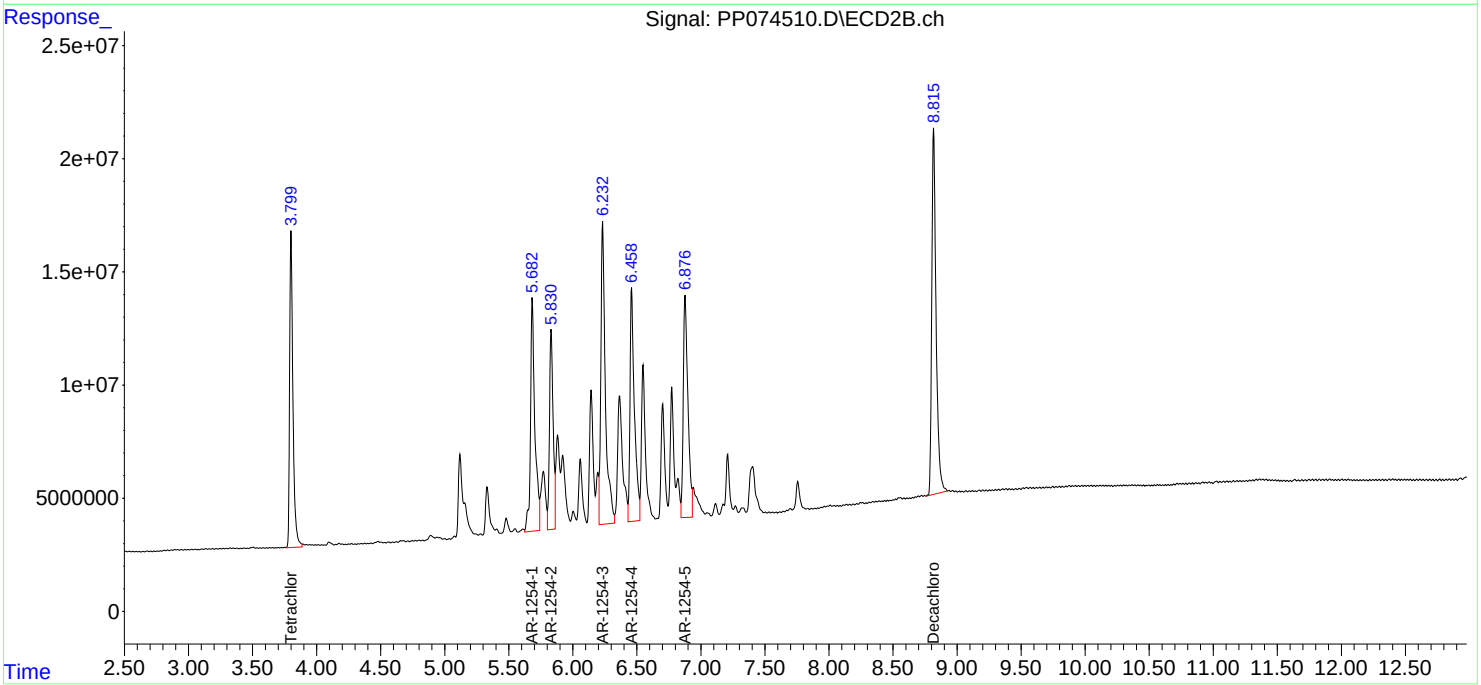
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:24:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:23:21 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\PP081925\
Data File : PP074511.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 15:42
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:24:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:23:21 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...	4.657	3.800	31994256	115.5E6	26.971	23.196
2)	SA Decachlor...	10.435	8.815	28652955	191.8E6	27.374	25.314
	Target Compounds						
26)	L6 AR-1254-1	6.655	5.683	15890216	119.9E6	269.803m	242.811
27)	L6 AR-1254-2	6.873	5.829	22034196	89396429	277.183	255.763
28)	L6 AR-1254-3	7.234	6.233	23677562	156.6E6	277.030	235.946
29)	L6 AR-1254-4	7.516	6.458	17794501	118.2E6	276.416	238.941
30)	L6 AR-1254-5	7.932	6.875	22325080	128.4E6	274.798	257.251

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074511.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 15:42
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

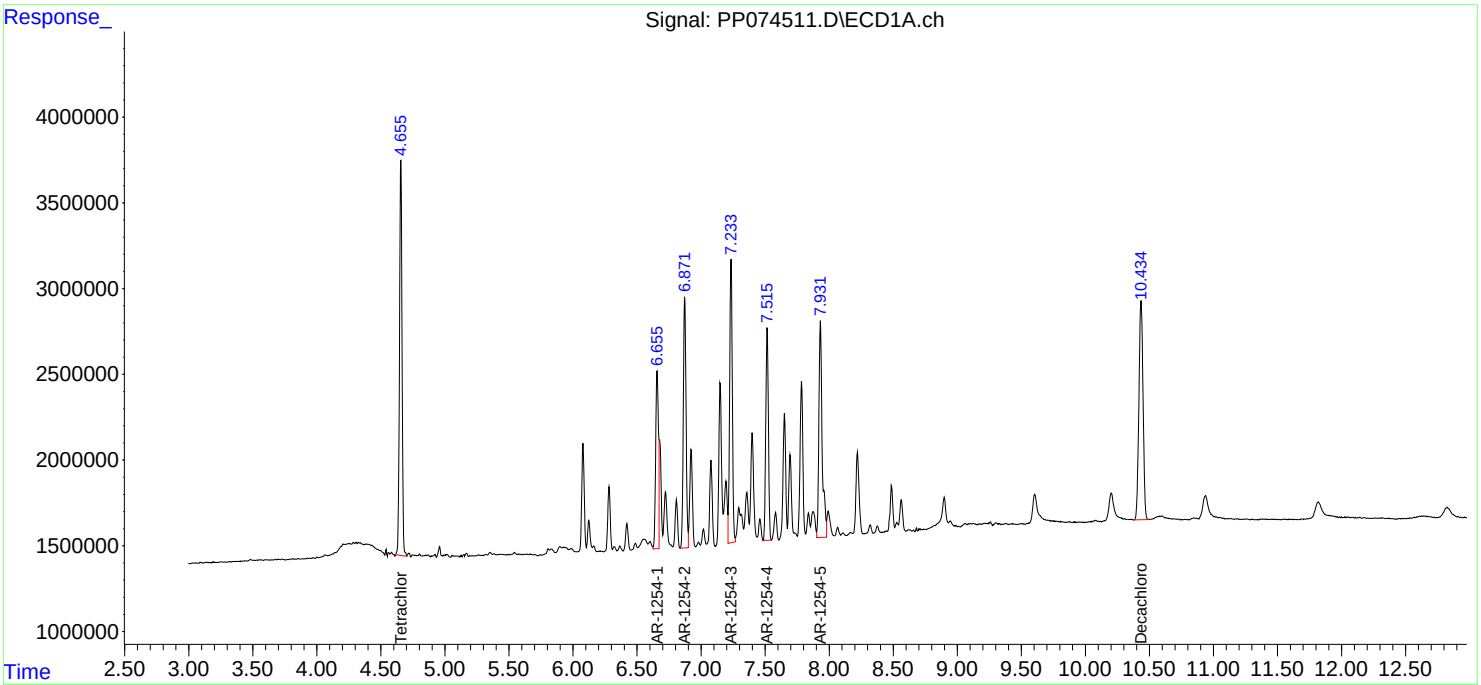
Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

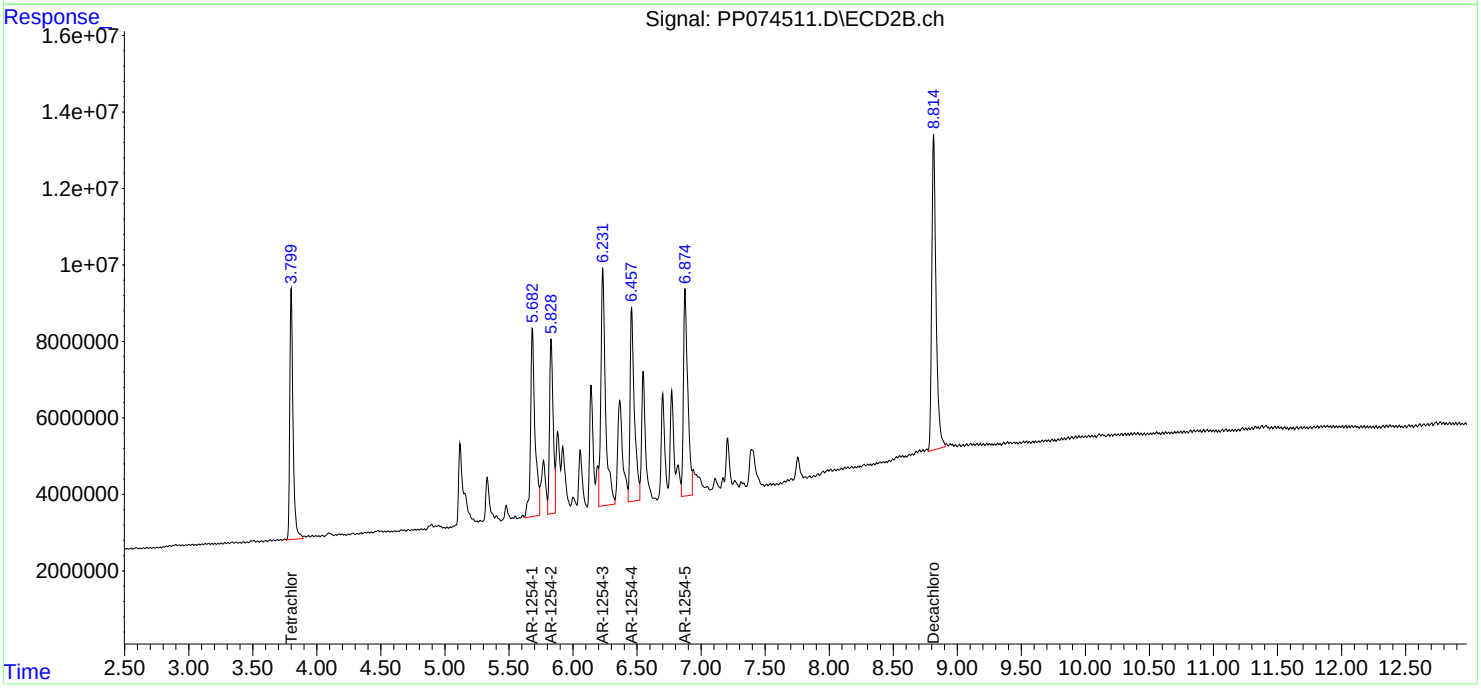
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:24:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:23:21 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\PP081925\
Data File : PP074512.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 15:58
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:25:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:23:21 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...	4.655	3.799	6824177	16356890	5.753	3.285	#
2)	SA Decachlor...	10.435	8.814	5925526	36307802	5.661	4.793	
	Target Compounds							
26)	L6 AR-1254-1	6.654	5.682	3432859	24935505	58.287m	50.488	
27)	L6 AR-1254-2	6.872	5.830	4885847	18783341	61.462	53.739	
28)	L6 AR-1254-3	7.231	6.232	5507525	26251359	64.439m	39.562	#
29)	L6 AR-1254-4	7.515	6.457	3846980	21709681	59.758	43.891	#
30)	L6 AR-1254-5	7.931	6.876	4851004	21373298	59.711	42.814	#

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074512.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 15:58
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

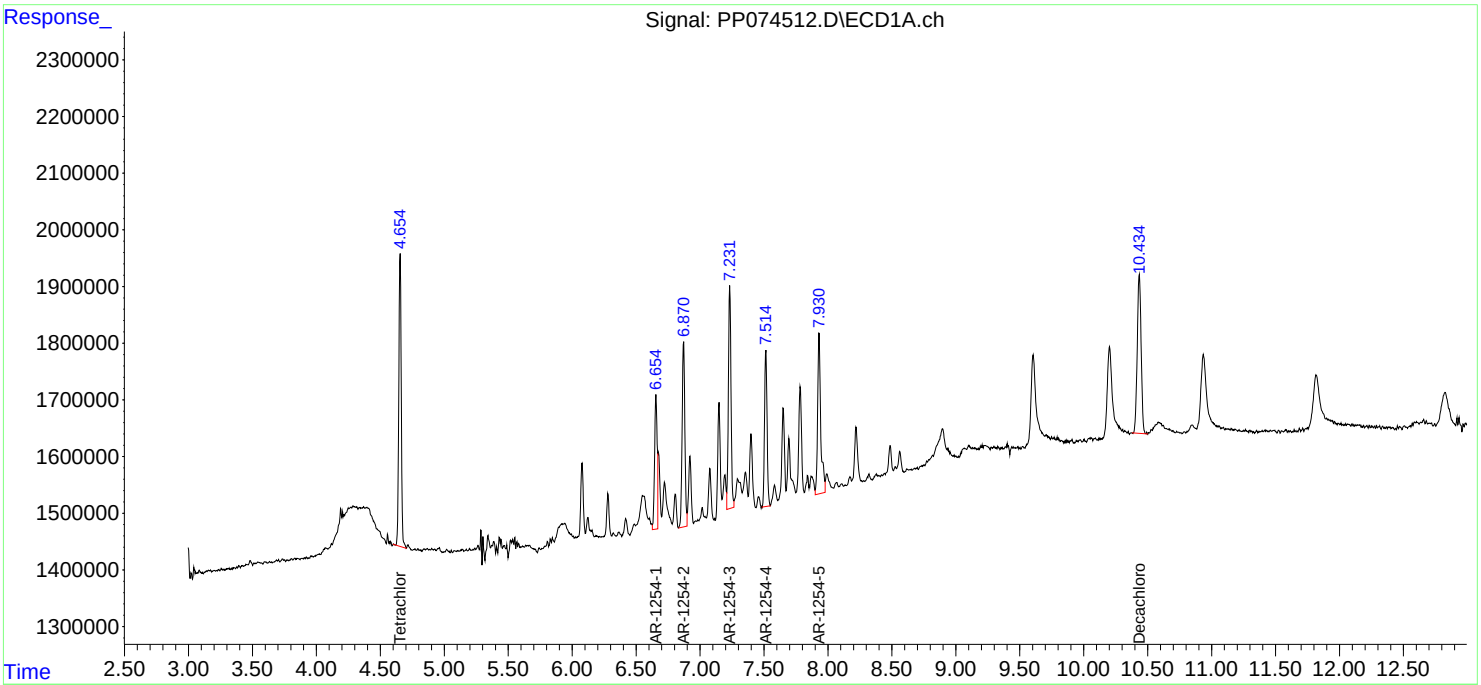
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

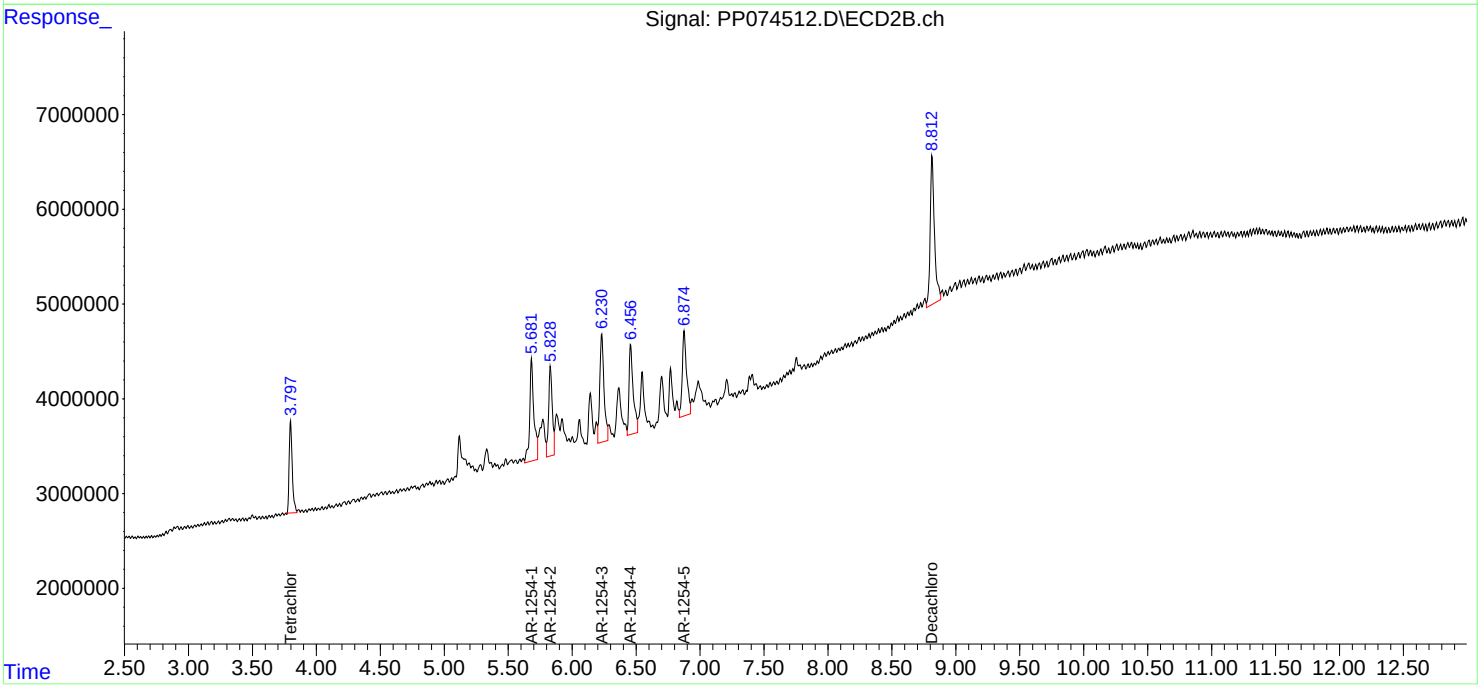
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:25:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:23:21 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\PP081925\
Data File : PP074513.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 16:14
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: Aug 20 05:44:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:44:14 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...	4.659	3.804	57502488	227.3E6	50.000	50.000
2)	SA Decachlor...	10.436	8.817	51520636	381.5E6	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	8.241	6.917	38507994	353.6E6	500.000	500.000
37)	L8 AR-1262-2	8.566	7.175	66190269	260.4E6	500.000	500.000
38)	L8 AR-1262-3	8.892	7.698	48606172	233.1E6	500.000	500.000
39)	L8 AR-1262-4	8.979	7.761	37665153	410.9E6	500.000	500.000
40)	L8 AR-1262-5	9.650	8.255	30478105	179.2E6	500.000	500.000

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

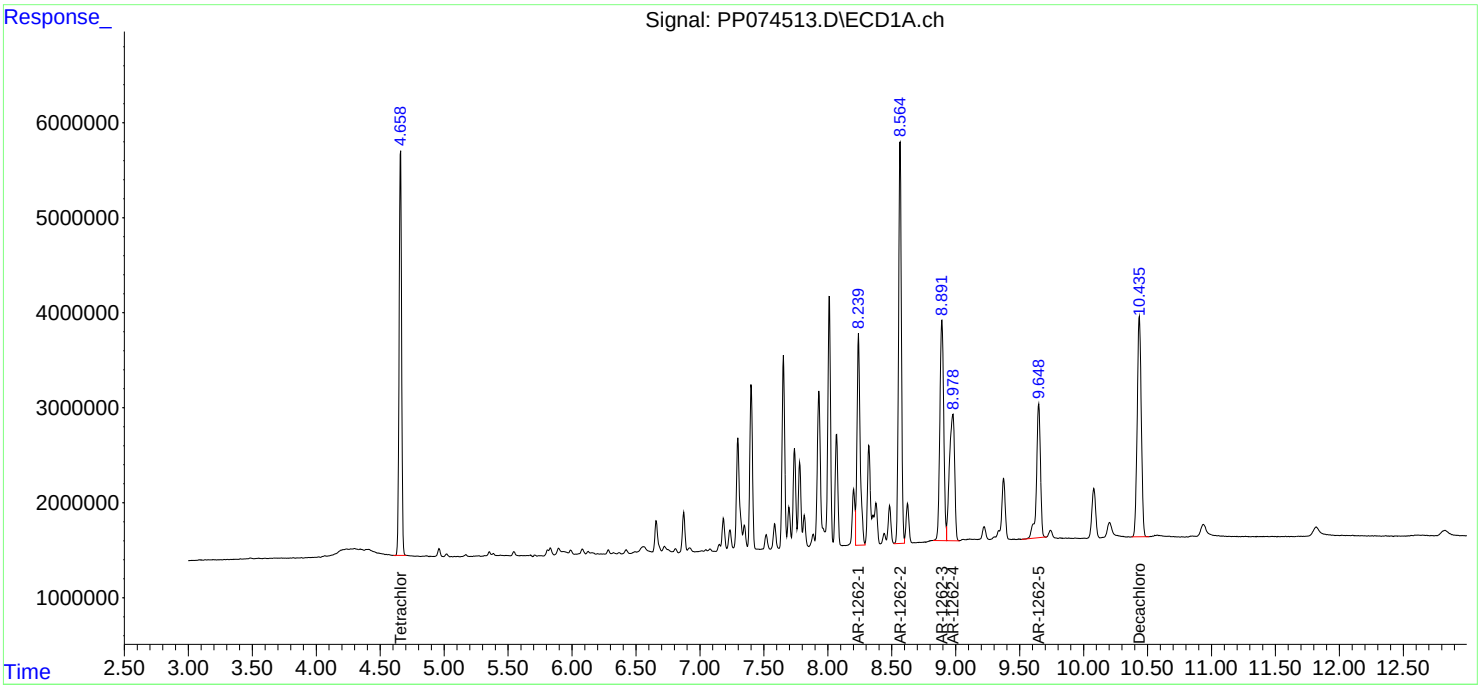
ICAL Form

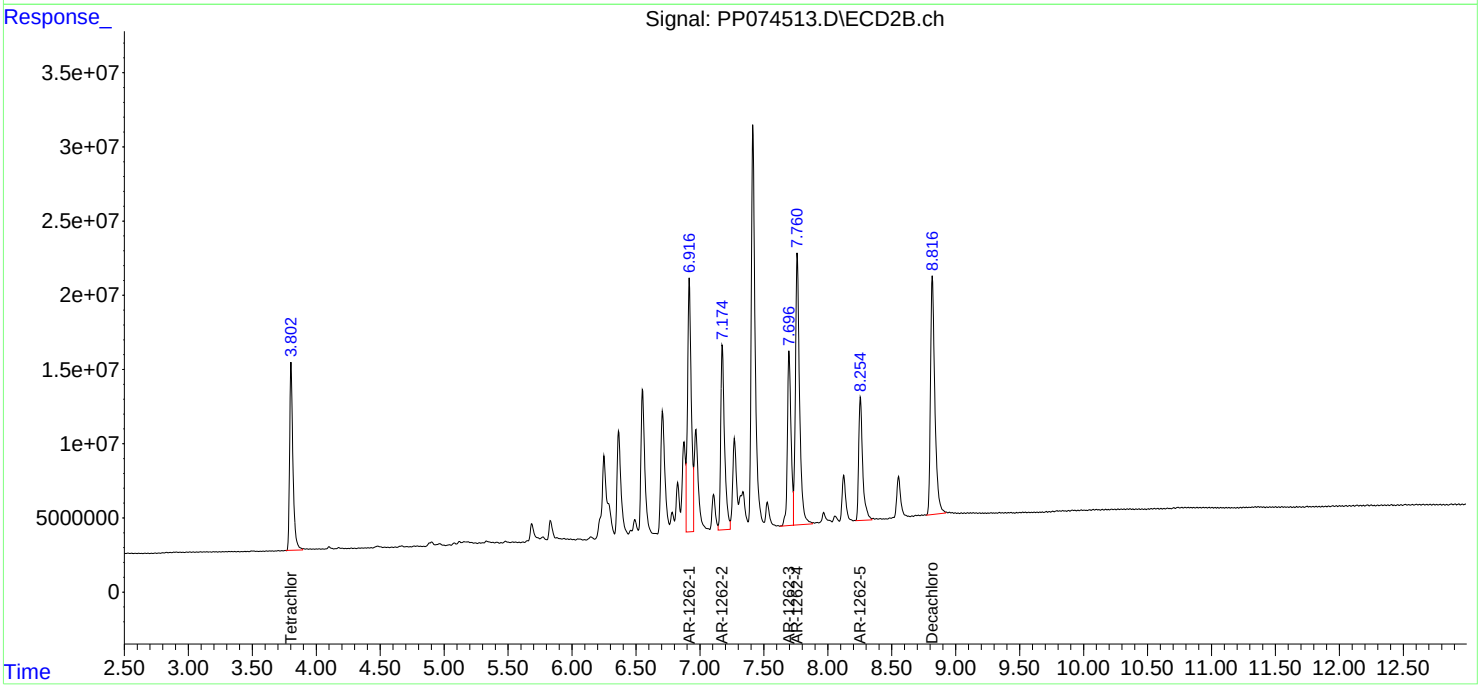
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074513.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 16:14
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:44:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:44:14 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\PP081925\
Data File : PP074514.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 16:31
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: Aug 20 05:48:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:47:33 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...	4.655	3.801	114.0E6	521.1E6	93.744	105.549
2)	SA Decachlor...	10.431	8.814	164.3E6	1439.1E6	90.456	99.845
	Target Compounds						
41)	L9 AR-1268-1	8.883	7.695	145.4E6	1582.0E6	909.781	1022.749
42)	L9 AR-1268-2	8.978	7.758	135.1E6	1588.2E6	913.226	1100.911
43)	L9 AR-1268-3	9.219	7.967	112.8E6	1131.1E6	907.046	1006.488
44)	L9 AR-1268-4	9.645	8.252	60062429	434.0E6	868.130	1045.494
45)	L9 AR-1268-5	10.076	8.552	347.9E6	3414.1E6	934.640	998.029

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

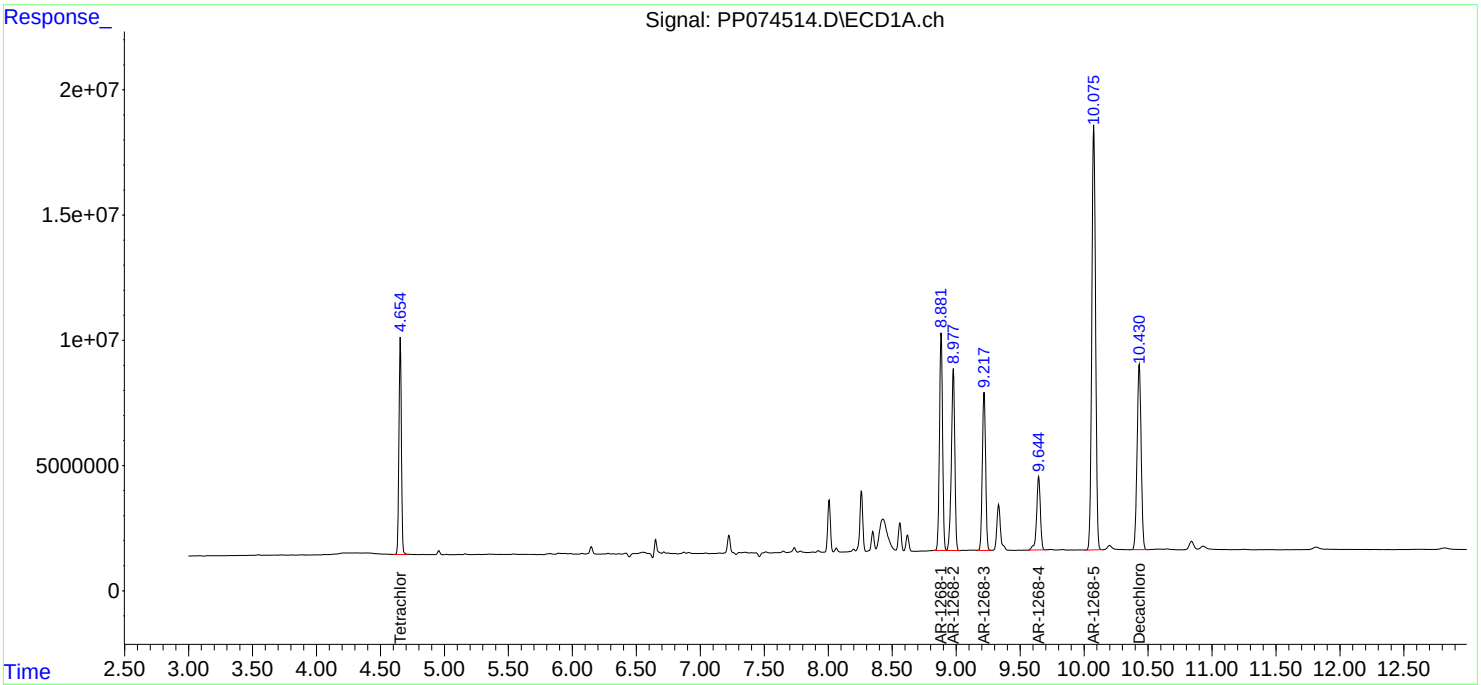
ICAL Form

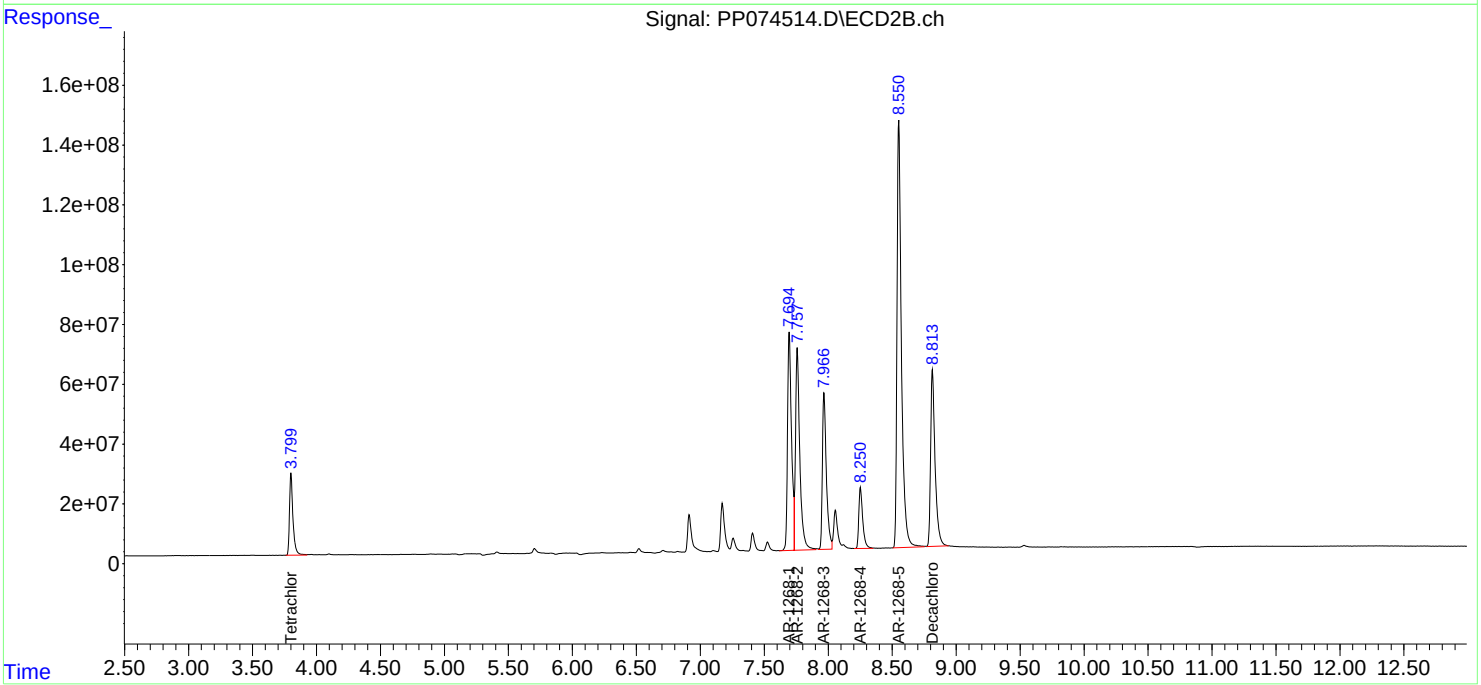
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074514.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 16:31
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:48:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:47:33 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\PP081925\
Data File : PP074515.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 16:47
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:48:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:47:33 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...	4.659	3.803	87209689	376.1E6	71.744	76.172
2)	SA Decachlor...	10.437	8.818	126.4E6	1059.1E6	69.561	73.481
	Target Compounds						
41)	L9 AR-1268-1	8.888	7.698	111.9E6	1066.9E6	700.520	689.766
42)	L9 AR-1268-2	8.983	7.761	103.7E6	1072.4E6	701.017	743.340
43)	L9 AR-1268-3	9.223	7.969	86537530	825.2E6	695.631	734.299
44)	L9 AR-1268-4	9.651	8.255	46716461	313.2E6	675.230	754.576
45)	L9 AR-1268-5	10.082	8.554	264.3E6	2492.1E6	709.949	728.510

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

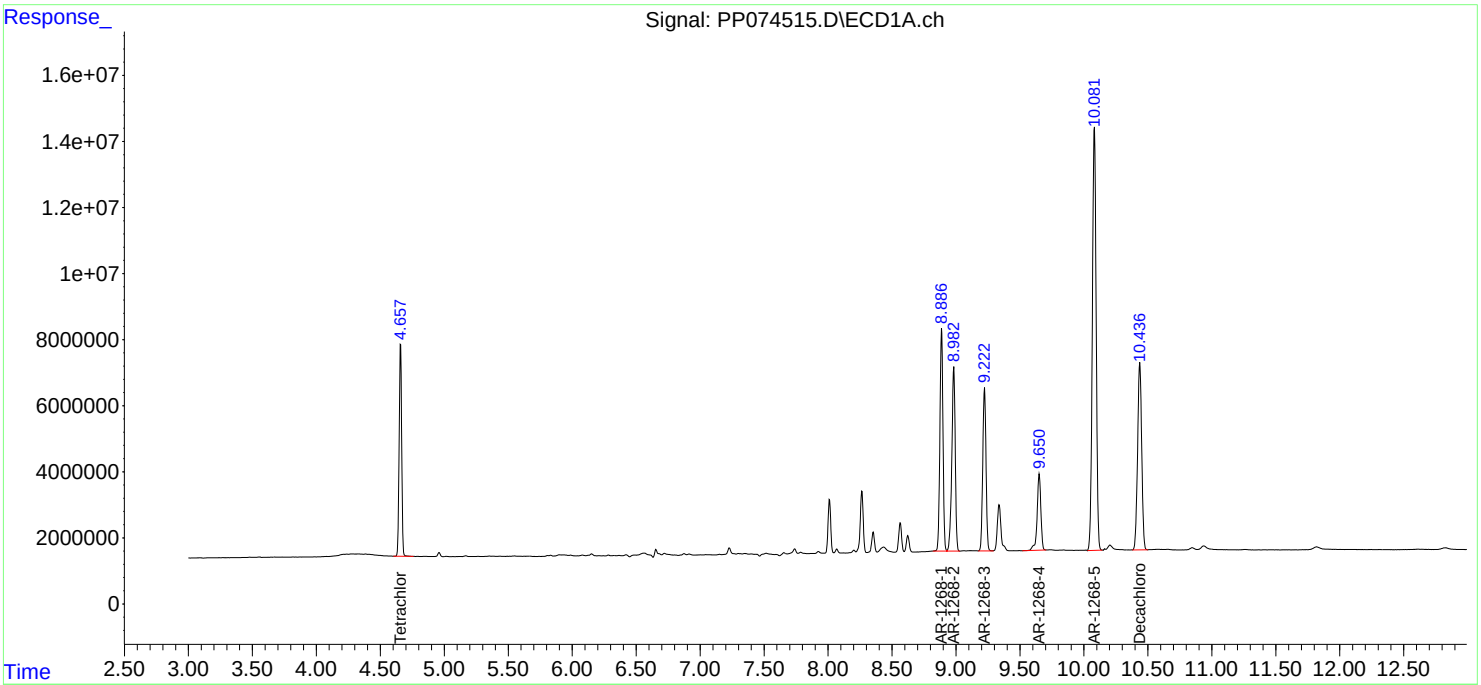
ICAL Form

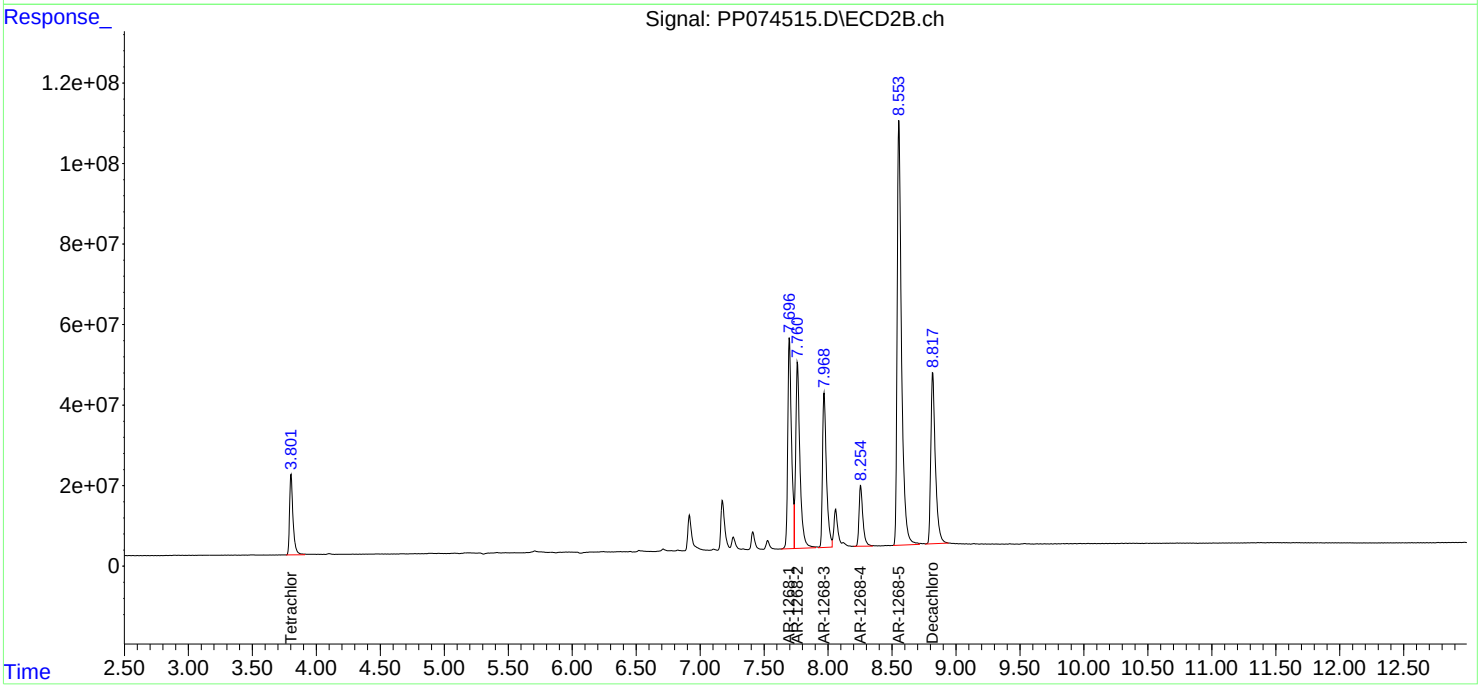
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074515.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 16:47
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:48:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:47:33 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\PP081925\
Data File : PP074516.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 17:03
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: Aug 20 05:48:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:47:33 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...	4.655	3.799	60777964	246.9E6	50.000	50.000
2)	SA Decachlor...	10.433	8.813	90824753	720.7E6	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	8.884	7.694	79899530	773.4E6	500.000	500.000
42)	L9 AR-1268-2	8.979	7.757	73984387	721.3E6	500.000	500.000
43)	L9 AR-1268-3	9.219	7.966	62200769	561.9E6	500.000	500.000
44)	L9 AR-1268-4	9.646	8.250	34592983	207.5E6	500.000	500.000
45)	L9 AR-1268-5	10.078	8.550	186.1E6	1710.4E6	500.000	500.000

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

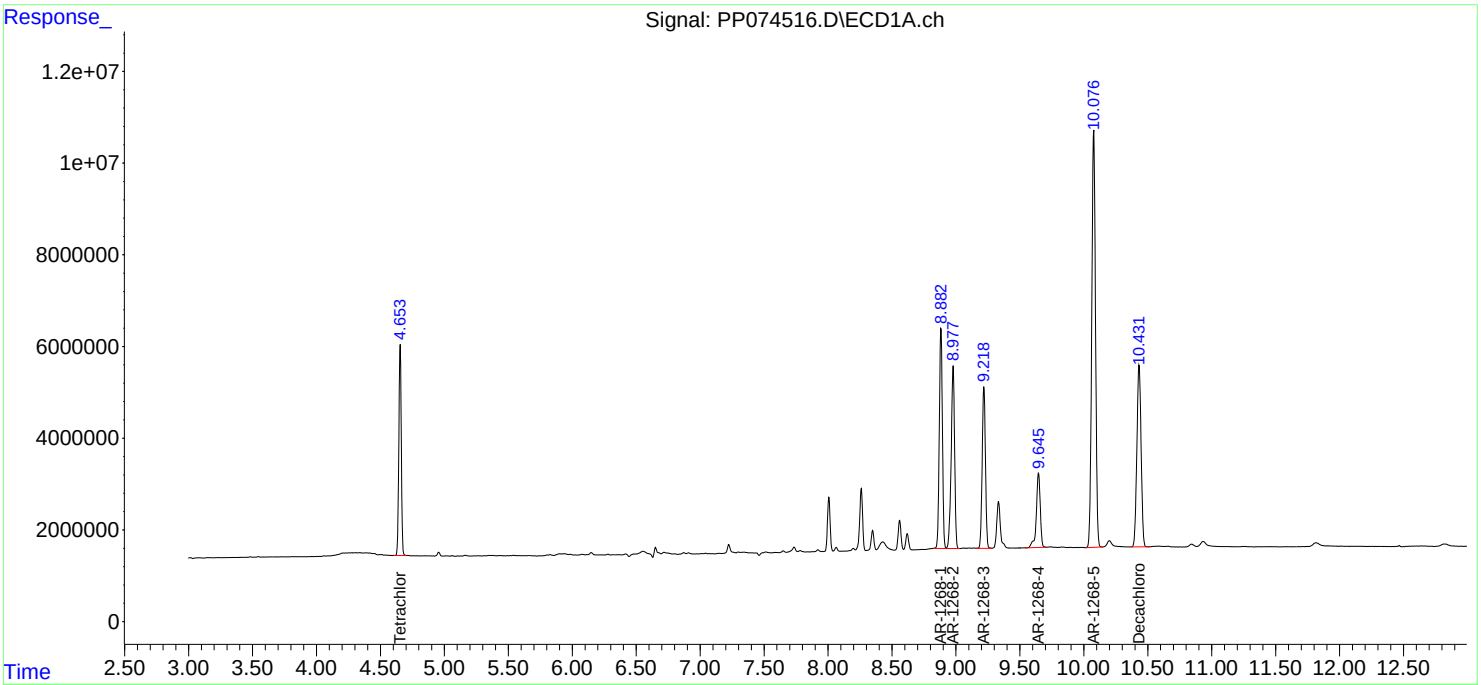
ICAL Form

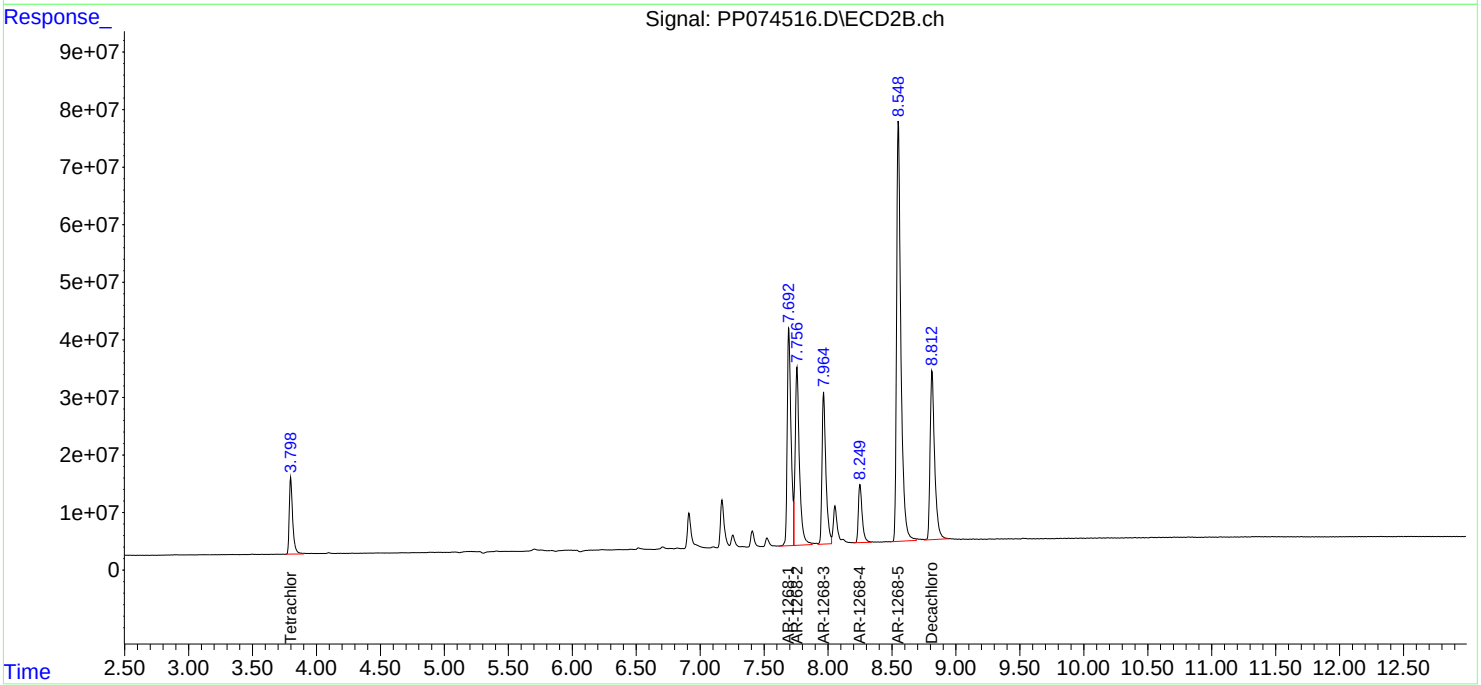
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074516.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 17:03
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:48:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:47:33 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\PP081925\
Data File : PP074517.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 17:19
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:49:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:47:33 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...	4.660	3.803	32326809	120.4E6	26.594	24.385
2)	SA Decachlor...	10.437	8.818	49221283	358.0E6	27.097	24.836
	Target Compounds						
41)	L9 AR-1268-1	8.888	7.699	43809566	363.3E6	274.154	234.894
42)	L9 AR-1268-2	8.984	7.761	40268123	353.3E6	272.139	244.915
43)	L9 AR-1268-3	9.223	7.970	33730438	269.3E6	271.142	239.682
44)	L9 AR-1268-4	9.651	8.254	18081868	98406918	261.352	237.069
45)	L9 AR-1268-5	10.082	8.554	99244212	825.3E6	266.594	241.244

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

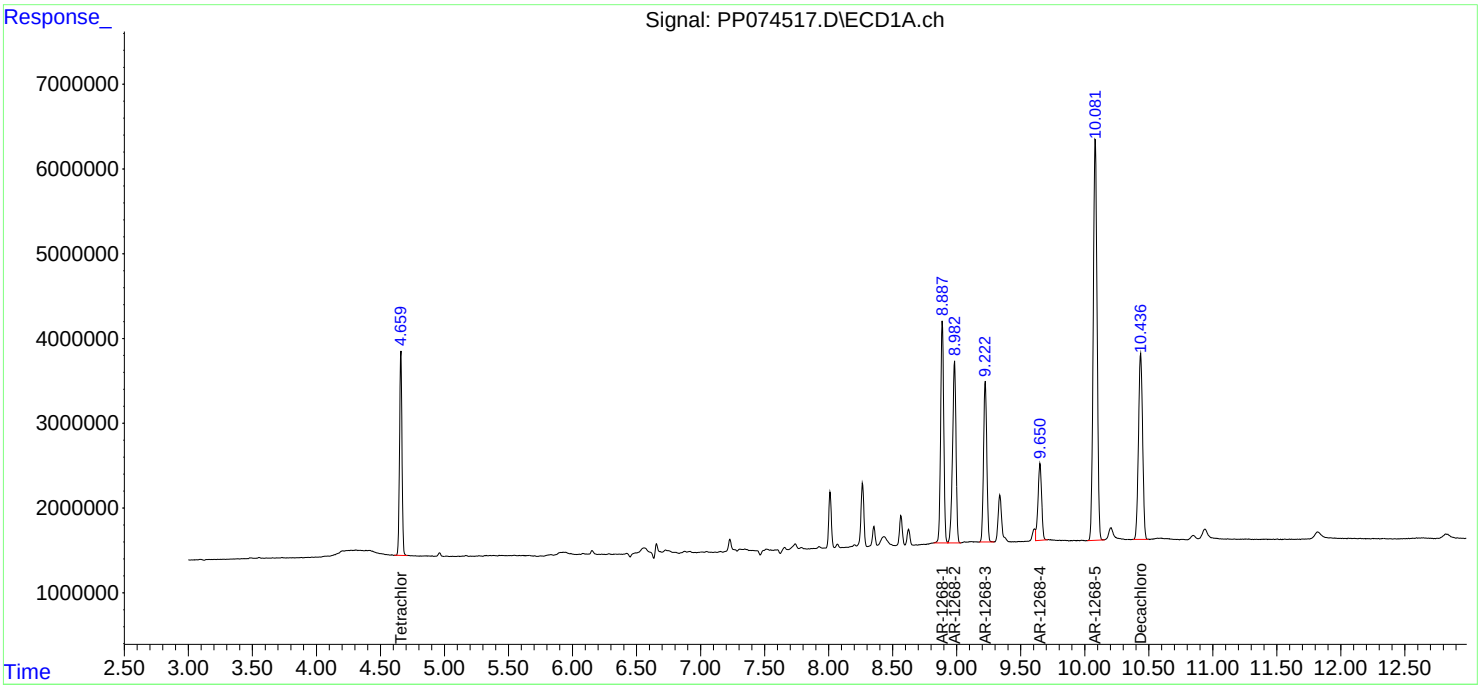
ICAL Form

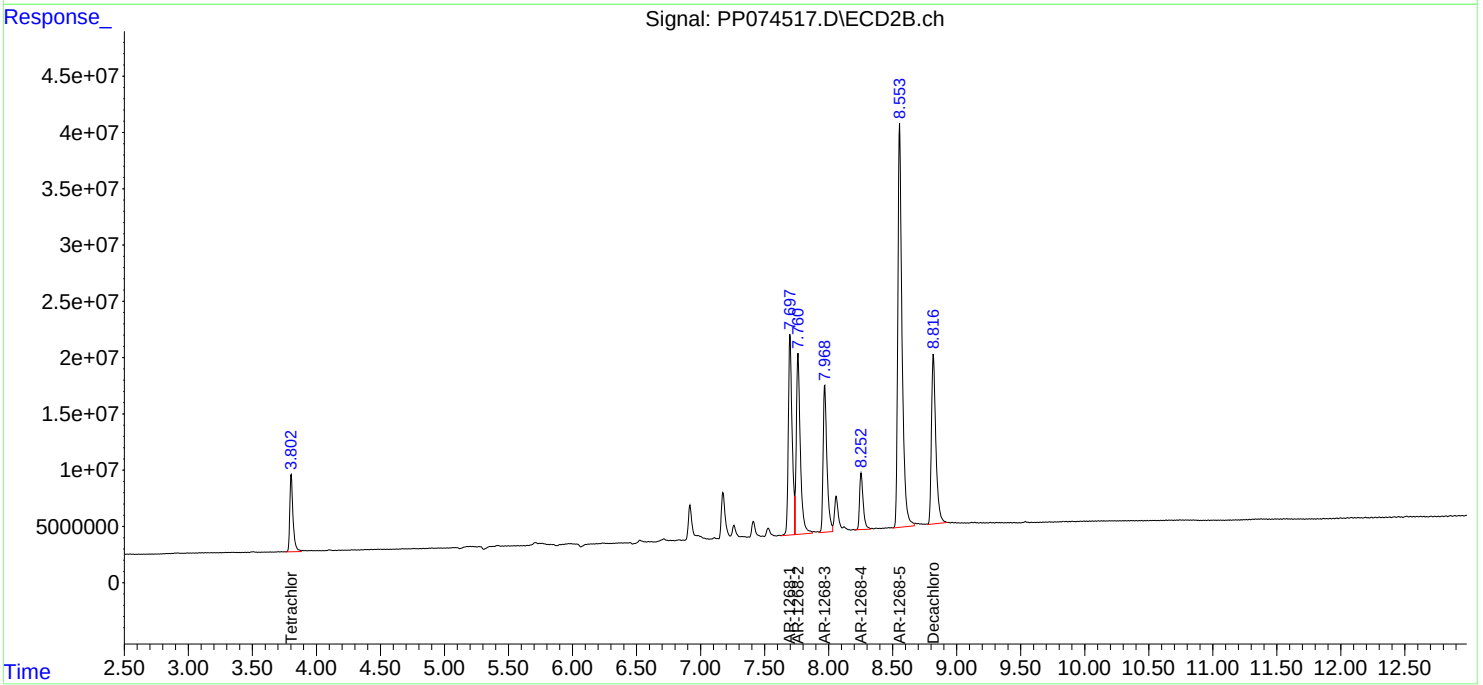
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074517.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 17:19
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:49:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:47:33 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\PP081925\
Data File : PP074518.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 17:36
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:49:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:47:33 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...	4.655	3.797	5929694	15207908	4.878	3.080m#
2)	SA Decachlor...	10.433	8.813	9232334	53747483	5.082	3.729 #
	Target Compounds						
41)	L9 AR-1268-1	8.884	7.693	9026003	52383576	56.483	33.865 #
42)	L9 AR-1268-2	8.980	7.756	7560556	47155232	51.096	32.686 #
43)	L9 AR-1268-3	9.219	7.964	6519117	39184495	52.404	34.869 #
44)	L9 AR-1268-4	9.647	8.250	3622509	12757141	52.359	30.733 #
45)	L9 AR-1268-5	10.078	8.549	19064676	111.1E6	51.212	32.473 #

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074518.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 17:36
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

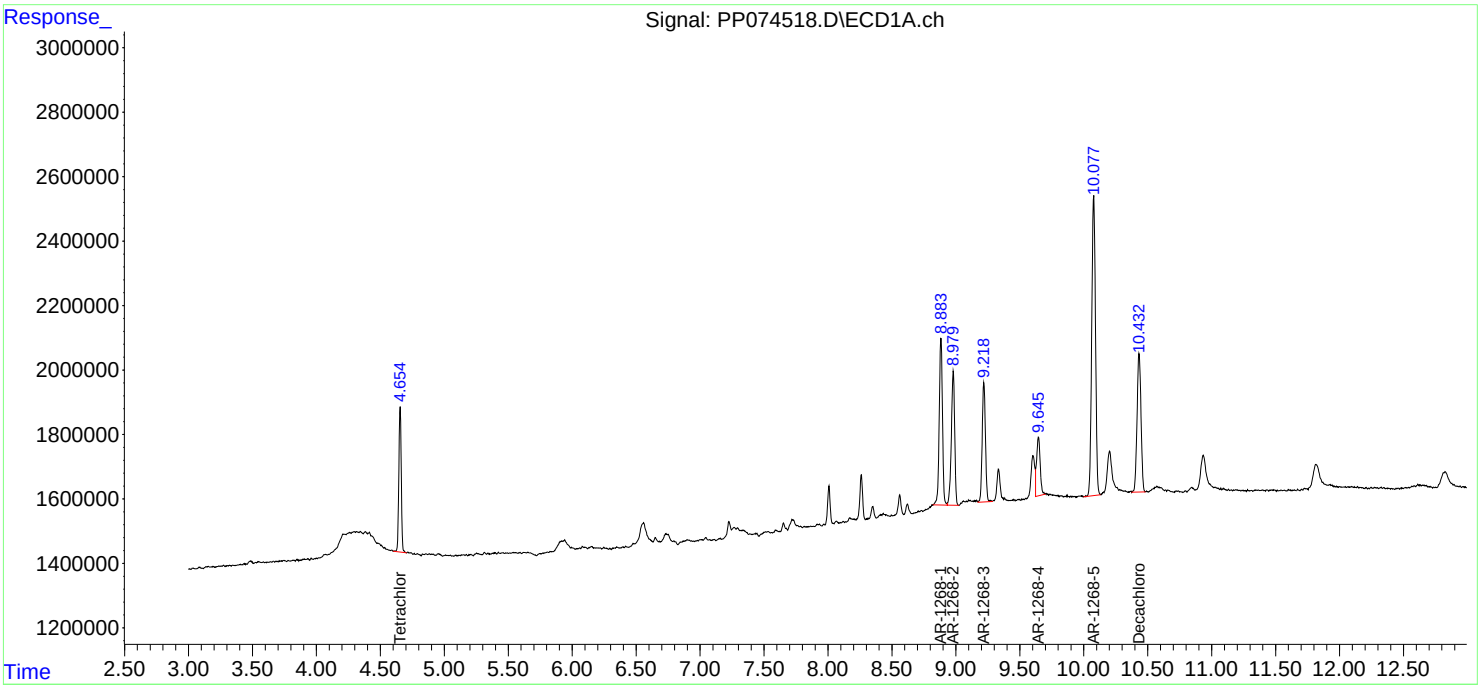
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

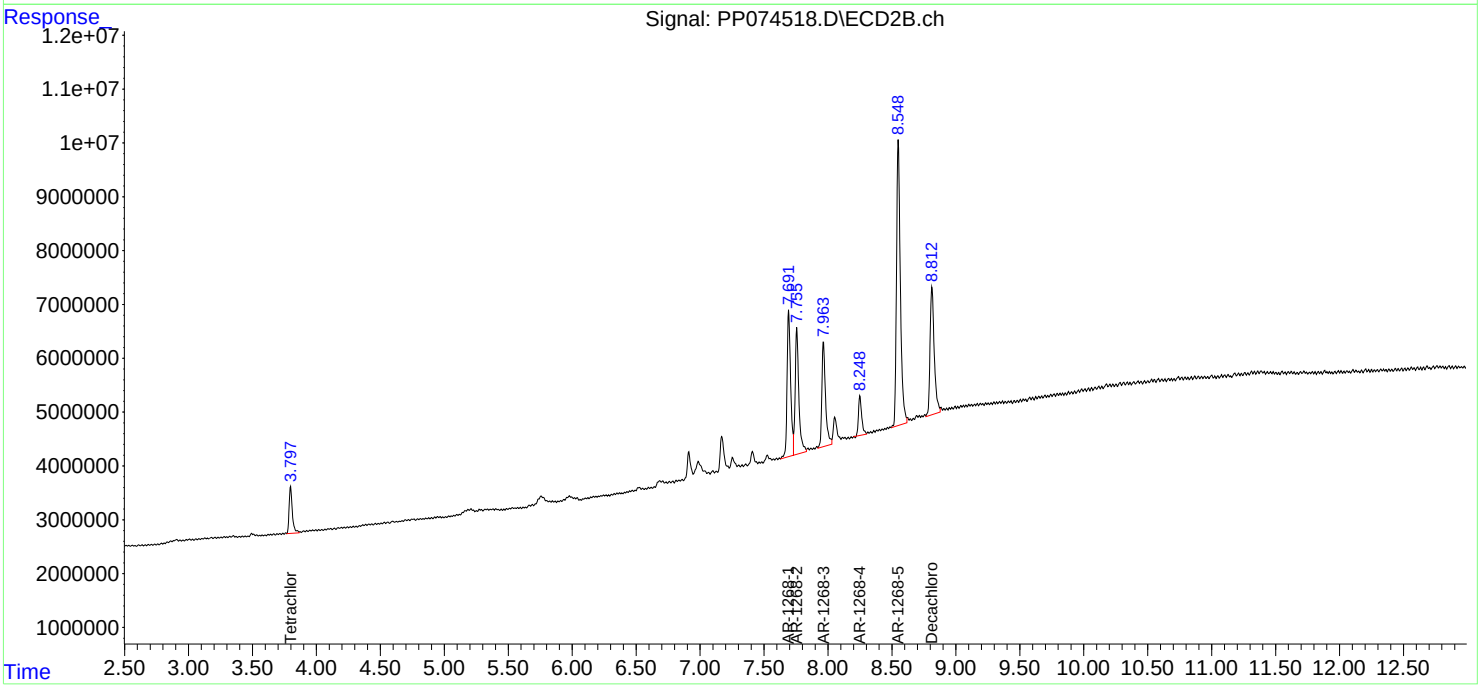
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:49:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:47:33 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\PP081925\
Data File : PP074519.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 17:52
Operator : YP\AJ
Sample : PP081925ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP081925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:23:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.658	3.802	56842653	228.5E6	46.452	47.259
2)	SA Decachlor...	10.435	8.817	50219148	360.9E6	50.854	48.127
	Target Compounds						
3)	L1 AR-1016-1	5.809	4.901	20384085	238.3E6	462.341	467.803
4)	L1 AR-1016-2	5.830	4.960	30649421	113.5E6	487.725	476.718
5)	L1 AR-1016-3	5.893	5.079	20869297	64619014	464.651	468.581
6)	L1 AR-1016-4	5.990	5.121	17006846	64496987	483.399	461.341
7)	L1 AR-1016-5	6.283	5.335	16393488	71417891	493.987	430.012
31)	L7 AR-1260-1	7.400	6.365	27587306	174.2E6	477.210	464.246
32)	L7 AR-1260-2	7.652	6.551	32691813	240.4E6	474.362	454.622
33)	L7 AR-1260-3	8.011	6.705	26067073	184.7E6	502.398	426.529
34)	L7 AR-1260-4	8.239	7.174	30945462	184.5E6	485.094	483.638
35)	L7 AR-1260-5	8.564	7.414	54844125	472.4E6	483.583	470.272

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

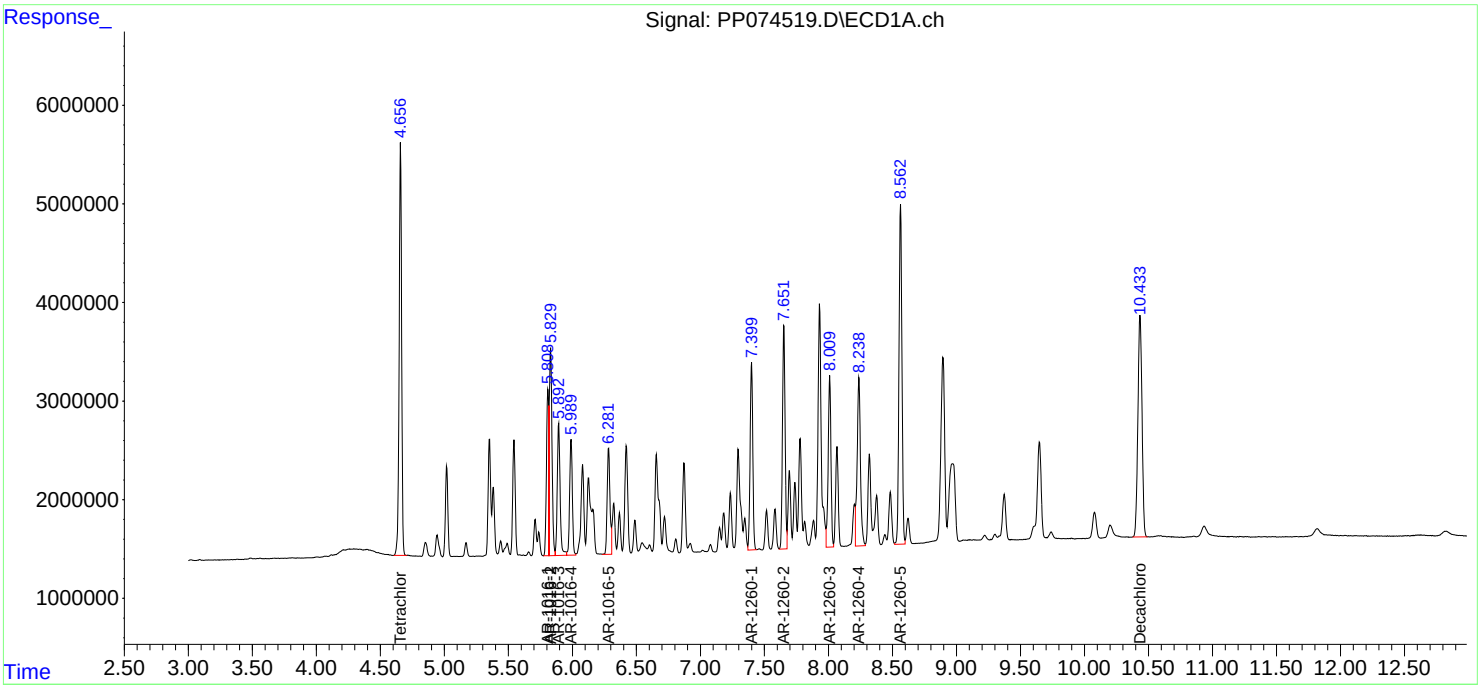
ICAL Form

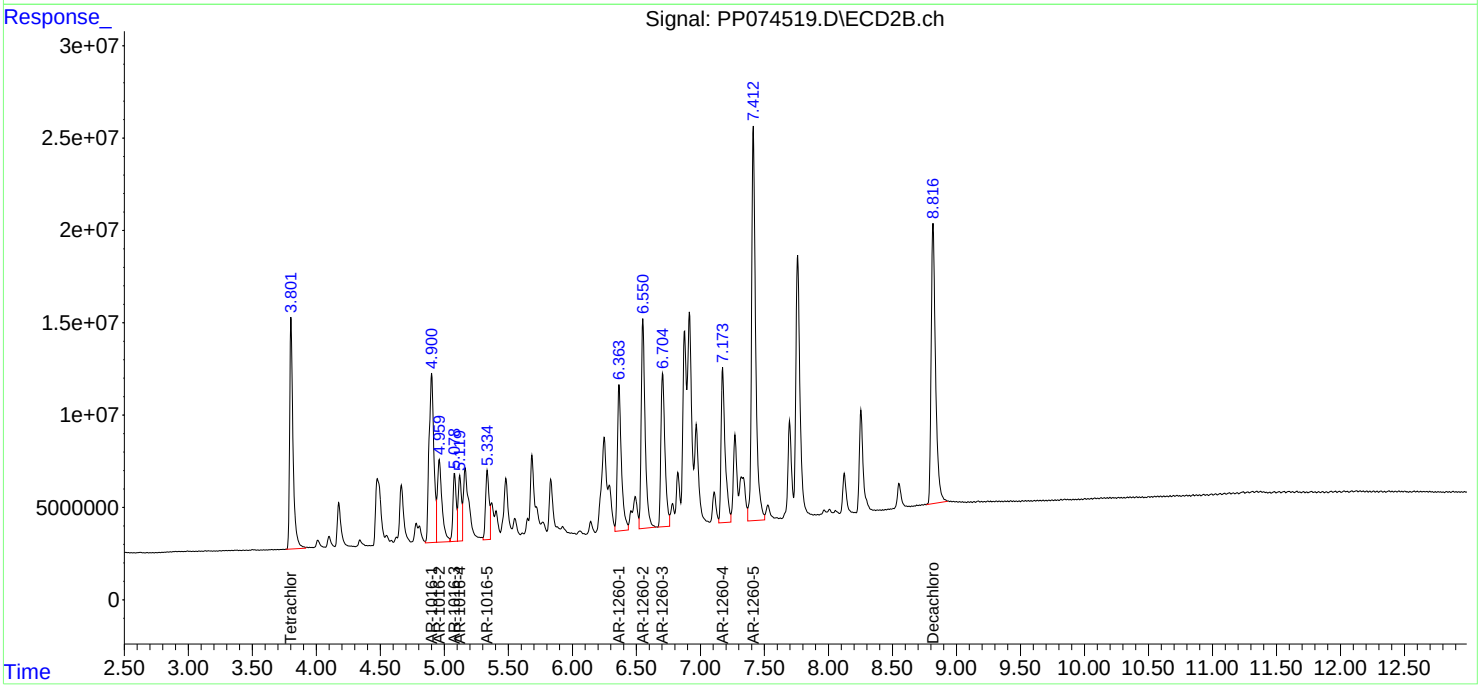
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074519.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 17:52
Operator : YP\AJ
Sample : PP081925ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP081925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:23:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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\PP081925\
Data File : PP074520.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 19:13
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP081925AR1242

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 07:34:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.655	3.800	61135884	251.3E6	49.960	51.980
2)	SA Decachlor...	10.431	8.814	53404053	390.6E6	54.079	52.086
	Target Compounds						
16)	L4 AR-1242-1	5.806	4.899	19151882	227.5E6	500.373	539.355
17)	L4 AR-1242-2	5.828	4.957	28372669	113.8E6	502.331	568.037
18)	L4 AR-1242-3	5.890	5.077	19007473	66780181	468.131	564.507
19)	L4 AR-1242-4	5.987	5.159	15591341	74977569	491.192	438.057m
20)	L4 AR-1242-5	6.716	5.679	20582509	100.2E6	570.617	541.319m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074520.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 19:13
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 47 Sample Multiplier: 1

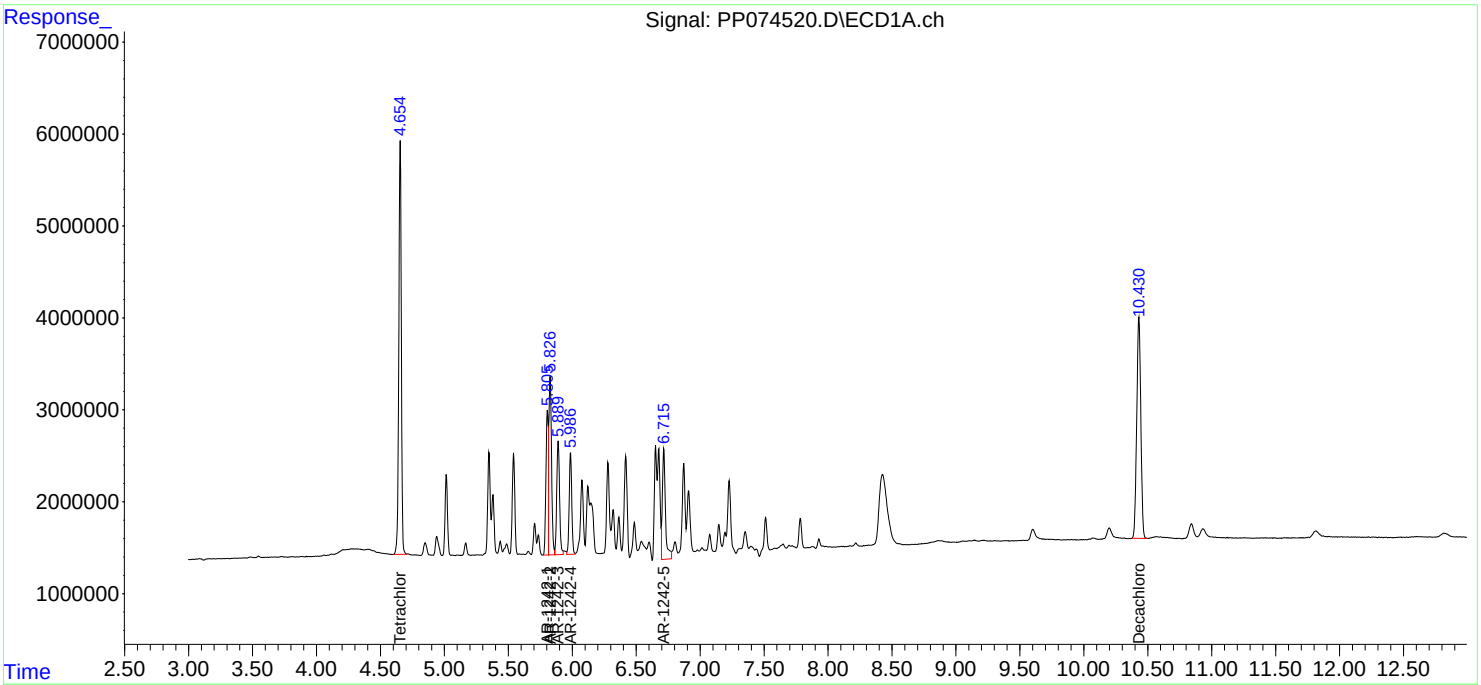
Instrument :
ECD_P
ClientSampleId :
ICVPP081925AR1242

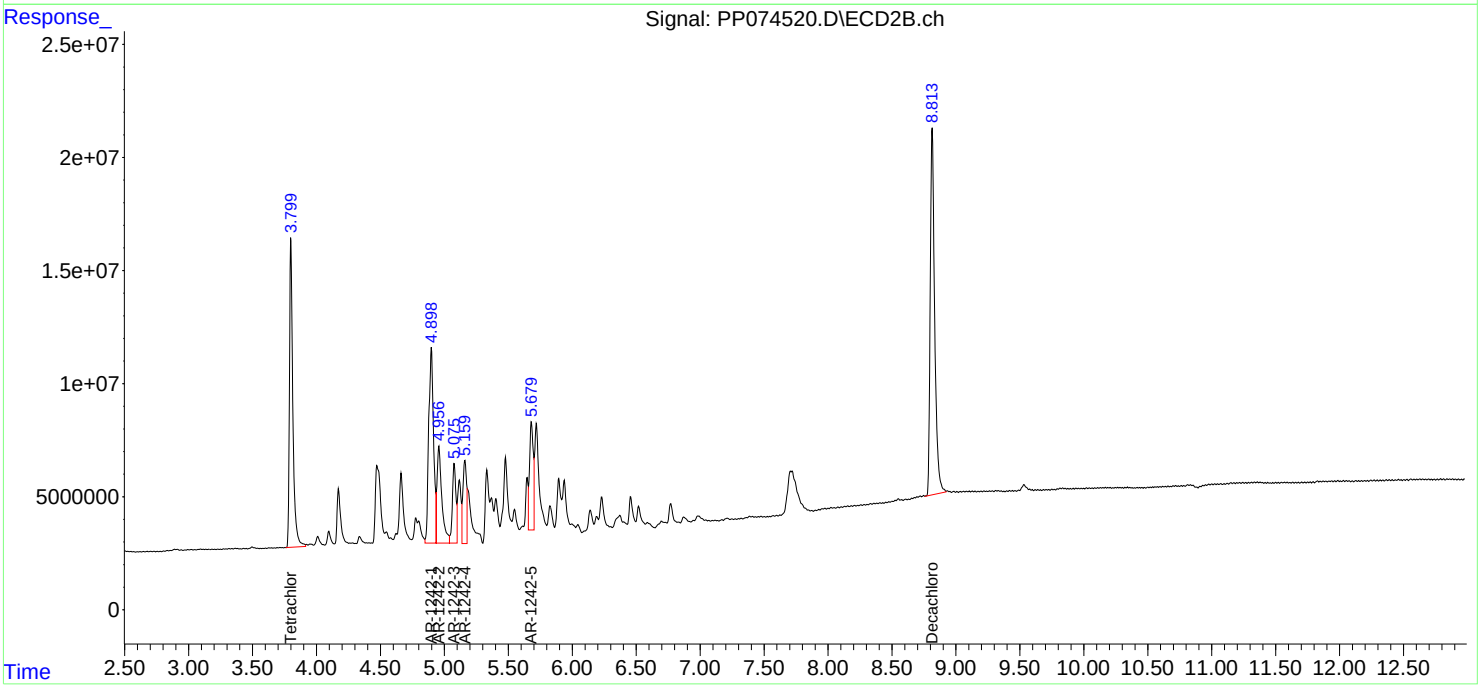
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 07:34:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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\PP081925\
Data File : PP074521.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 19:29
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP081925AR1248

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:24:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.652	3.800	59071103	245.5E6	48.273	50.777
2)	SA Decachlor...	10.426	8.814	53112171	392.5E6	53.784	52.342
	Target Compounds						
21)	L5 AR-1248-1	5.803	4.899	15042012	140.4E6	497.684	508.260
22)	L5 AR-1248-2	6.074	5.118	21382962	94490320	496.170	534.582
23)	L5 AR-1248-3	6.277	5.159	23315343	110.8E6	499.219	487.816m
24)	L5 AR-1248-4	6.675	5.332	26915269	110.6E6	489.361	507.322
25)	L5 AR-1248-5	6.714	5.722	26936491	191.5E6	485.601	521.315

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074521.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 19:29
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

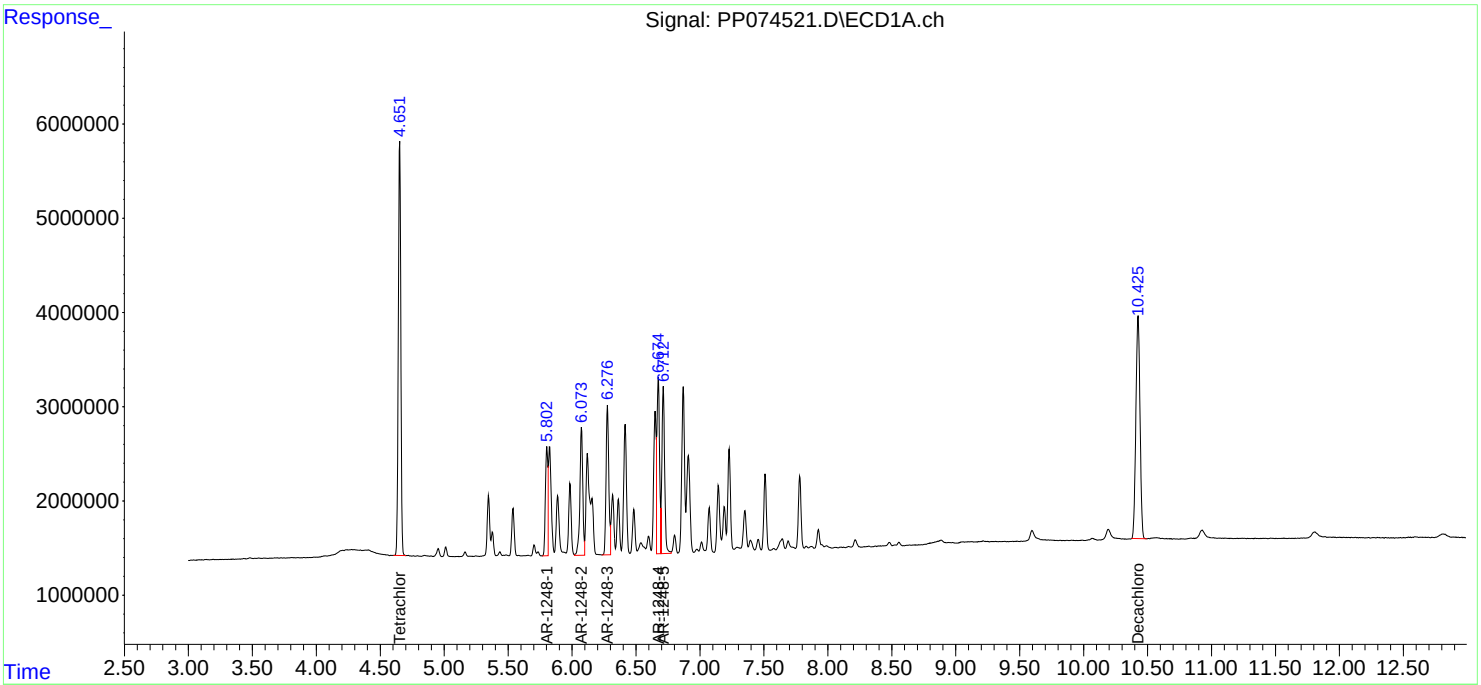
Instrument :
ECD_P
ClientSampleId :
ICVPP081925AR1248

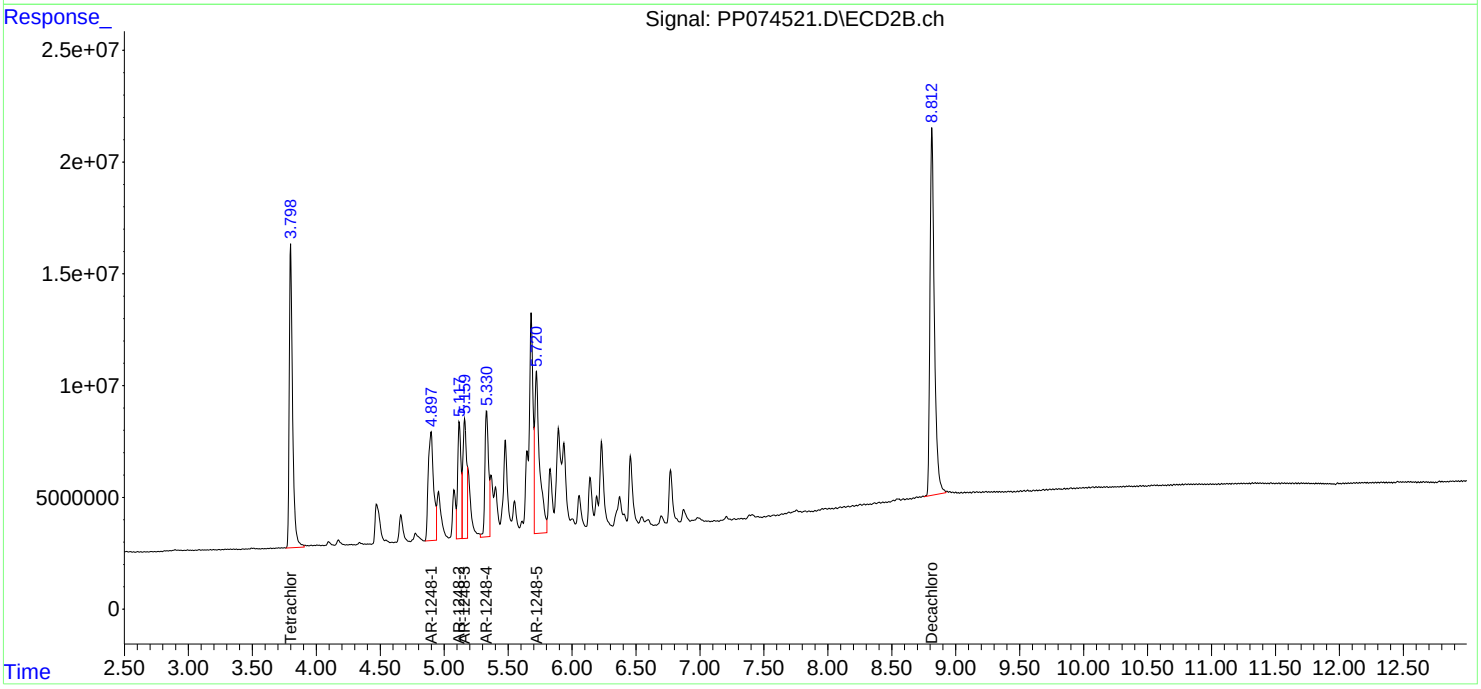
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:24:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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\PP081925\
Data File : PP074522.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 20:18
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP081925AR1254

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:24:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.657	3.800	56166806	231.3E6	45.900	47.840
2)	SA Decachlor...	10.432	8.813	50817971	371.3E6	51.461	49.507
	Target Compounds						
26)	L6 AR-1254-1	6.655	5.682	26836668	232.6E6	460.562m	487.928
27)	L6 AR-1254-2	6.872	5.830	38555301	169.1E6	472.399	480.246
28)	L6 AR-1254-3	7.233	6.231	41293274	315.3E6	462.896	508.643
29)	L6 AR-1254-4	7.515	6.458	31170607	231.8E6	472.901	494.686
30)	L6 AR-1254-5	7.931	6.875	39856792	247.9E6	479.711	505.396

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074522.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 20:18
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

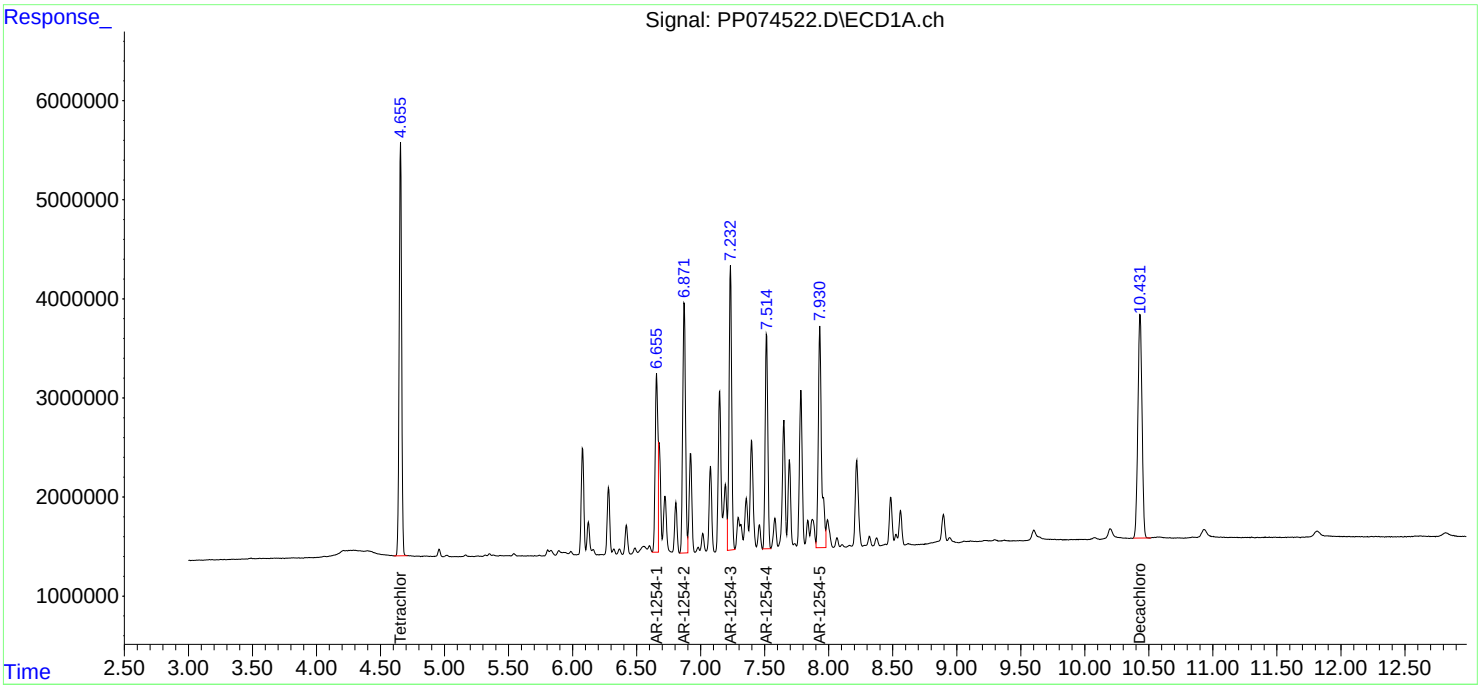
Instrument :
ECD_P
ClientSampleId :
ICVPP081925AR1254

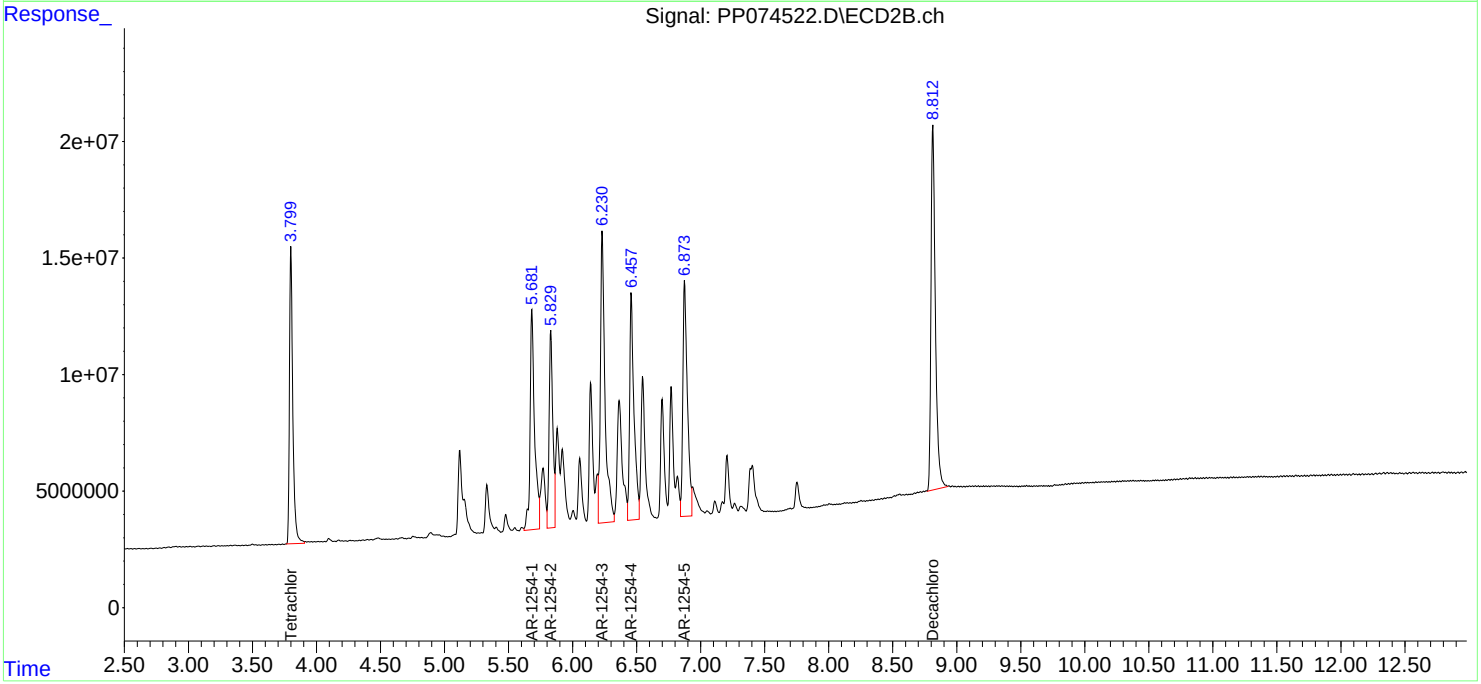
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:24:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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\PP081925\
Data File : PP074523.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 21:07
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP081925AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:59:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:59:10 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...	4.658	3.802	58901391	238.6E6	49.110	51.825
2)	SA Decachlor...	10.434	8.815	89013520	715.1E6	49.674	52.588
	Target Compounds						
41)	L9 AR-1268-1	8.886	7.696	78891283	721.4E6	486.865	511.441
42)	L9 AR-1268-2	8.981	7.760	73097356	698.4E6	498.151	512.265
43)	L9 AR-1268-3	9.221	7.968	61233015	547.4E6	495.471	524.753
44)	L9 AR-1268-4	9.648	8.253	33012444	201.7E6	490.797	526.433
45)	L9 AR-1268-5	10.080	8.552	181.2E6	1644.2E6	489.478	524.264

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

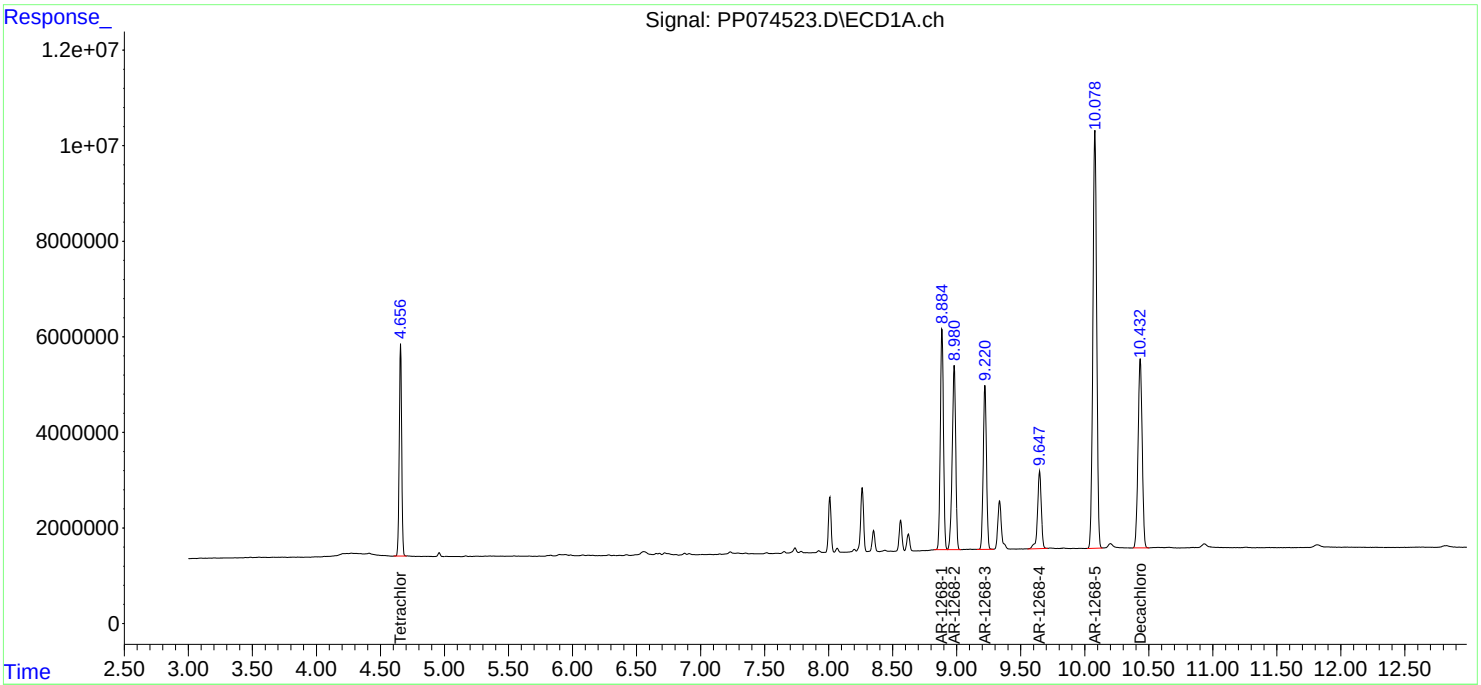
ICAL Form

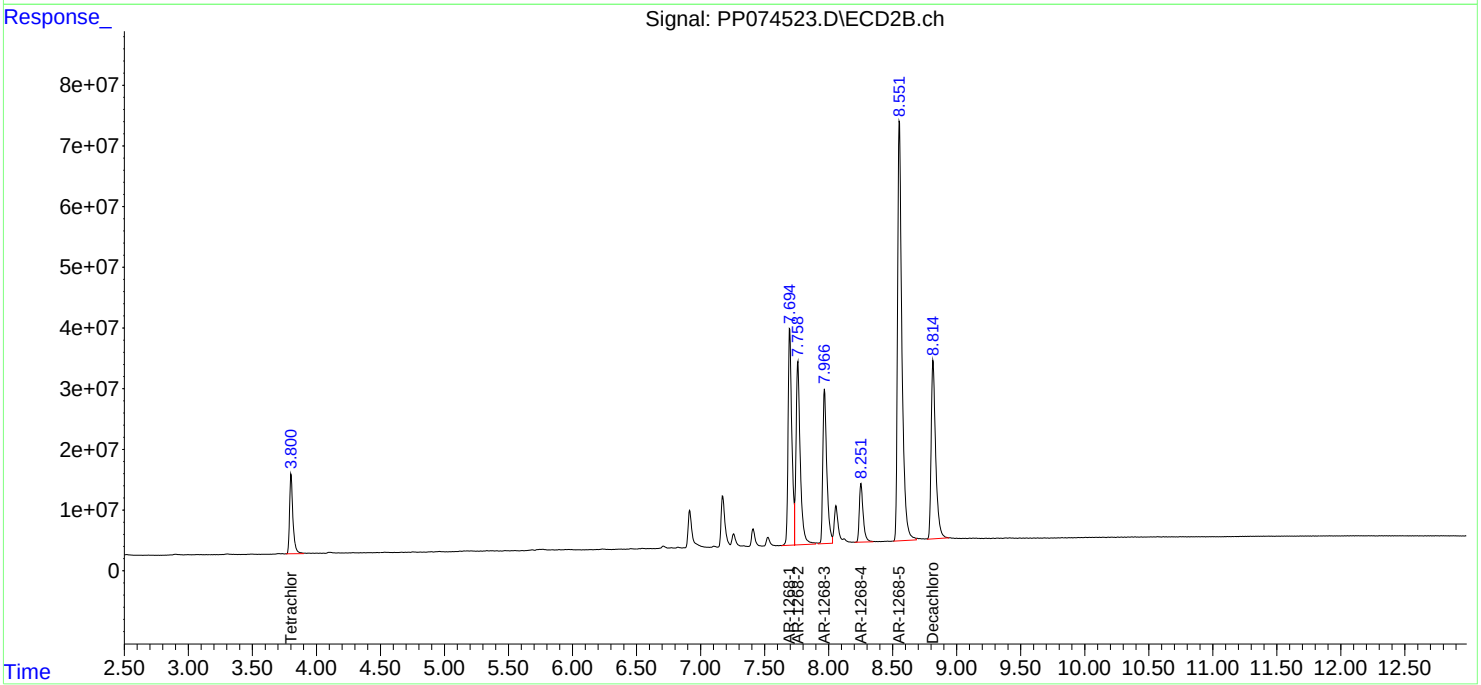
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074523.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 21:07
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP081925AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 05:59:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 05:59:10 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





Raw Data: **PP074577.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HERO01

Lab Code: ACE **SDG NO.:** Q2928

Continuing Calib Date: 08/22/2025 **Initial Calibration Date(s):** 08/19/2025 08/19/2025

Continuing Calib Time: 14:14 **Initial Calibration Time(s):** 10:02 17:36

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)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.90	5.89	5.79	5.99	-0.01
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.29	6.28	6.18	6.38	0.00
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.66	7.65	7.55	7.75	-0.01
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.57	8.56	8.46	8.66	-0.01
Tetrachloro-m-xylene		4.66	4.65	4.55	4.75	-0.01
Decachlorobiphenyl		10.44	10.43	10.33	10.53	-0.01

Raw Data: **PP074577.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HERO01

Lab Code: ACE **SDG NO.:** Q2928

Continuing Calib Date: 08/22/2025 **Initial Calibration Date(s):** 08/19/2025 08/19/2025

Continuing Calib Time: 14:14 **Initial Calibration Time(s):** 10:02 17:36

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)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-2	(2)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-3	(3)	5.08	5.08	4.98	5.18	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.71	6.70	6.60	6.80	0.00
Aroclor-1260-4	(4)	7.17	7.17	7.07	7.27	0.00
Aroclor-1260-5	(5)	7.41	7.41	7.31	7.51	0.00
Tetrachloro-m-xylene		3.80	3.80	3.70	3.90	0.00
Decachlorobiphenyl		8.82	8.82	8.72	8.92	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HERO01

Lab Code: ACE **SDG NO.:** Q2928

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/19/2025 08/19/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/22/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074577.D **Time Analyzed:** 14:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.811	5.706	5.906	476.170	500.000	-4.8
Aroclor-1016-2	5.832	5.727	5.927	501.970	500.000	0.4
Aroclor-1016-3	5.896	5.790	5.990	461.020	500.000	-7.8
Aroclor-1016-4	5.993	5.888	6.088	487.570	500.000	-2.5
Aroclor-1016-5	6.285	6.180	6.380	507.720	500.000	1.5
Aroclor-1260-1	7.403	7.297	7.497	487.310	500.000	-2.5
Aroclor-1260-2	7.655	7.550	7.750	478.880	500.000	-4.2
Aroclor-1260-3	8.013	7.908	8.108	507.660	500.000	1.5
Aroclor-1260-4	8.242	8.136	8.336	489.410	500.000	-2.1
Aroclor-1260-5	8.568	8.462	8.662	483.040	500.000	-3.4
Decachlorobiphenyl	10.440	10.333	10.533	50.020	50.000	0.0
Tetrachloro-m-xylene	4.659	4.554	4.754	48.500	50.000	-3.0

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HERO01

Lab Code: ACE **SDG NO.:** Q2928

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/19/2025 08/19/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/22/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074577.D **Time Analyzed:** 14:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.901	4.799	4.999	494.070	500.000	-1.2
Aroclor-1016-2	4.959	4.855	5.055	509.360	500.000	1.9
Aroclor-1016-3	5.078	4.976	5.176	495.350	500.000	-0.9
Aroclor-1016-4	5.119	5.017	5.217	495.570	500.000	-0.9
Aroclor-1016-5	5.334	5.231	5.431	462.950	500.000	-7.4
Aroclor-1260-1	6.364	6.261	6.461	467.730	500.000	-6.5
Aroclor-1260-2	6.551	6.448	6.648	460.480	500.000	-7.9
Aroclor-1260-3	6.705	6.602	6.802	428.120	500.000	-14.4
Aroclor-1260-4	7.174	7.072	7.272	461.240	500.000	-7.8
Aroclor-1260-5	7.413	7.311	7.511	463.780	500.000	-7.2
Decachlorobiphenyl	8.817	8.715	8.915	45.240	50.000	-9.5
Tetrachloro-m-xylene	3.802	3.699	3.899	49.780	50.000	-0.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 14:14
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: Aug 25 05:29:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.659	3.802	59353792	240.7E6	48.504	49.782
2)	SA Decachlor...	10.440	8.817	49396170	339.3E6	50.021	45.241
	Target Compounds						
3)	L1 AR-1016-1	5.811	4.901	20993983	251.7E6	476.174	494.069
4)	L1 AR-1016-2	5.832	4.959	31544518	121.2E6	501.968	509.358
5)	L1 AR-1016-3	5.896	5.078	20706187	68310228	461.019	495.348
6)	L1 AR-1016-4	5.993	5.119	17153695	69281908	487.573	495.567
7)	L1 AR-1016-5	6.285	5.334	16849337	76888309	507.723	462.950
31)	L7 AR-1260-1	7.403	6.364	28171269	175.5E6	487.312	467.727
32)	L7 AR-1260-2	7.655	6.551	33003142	243.5E6	478.879	460.485
33)	L7 AR-1260-3	8.013	6.705	26340025	185.4E6	507.659	428.123
34)	L7 AR-1260-4	8.242	7.174	31220696	176.0E6	489.408	461.245
35)	L7 AR-1260-5	8.568	7.413	54782891	465.9E6	483.043	463.778

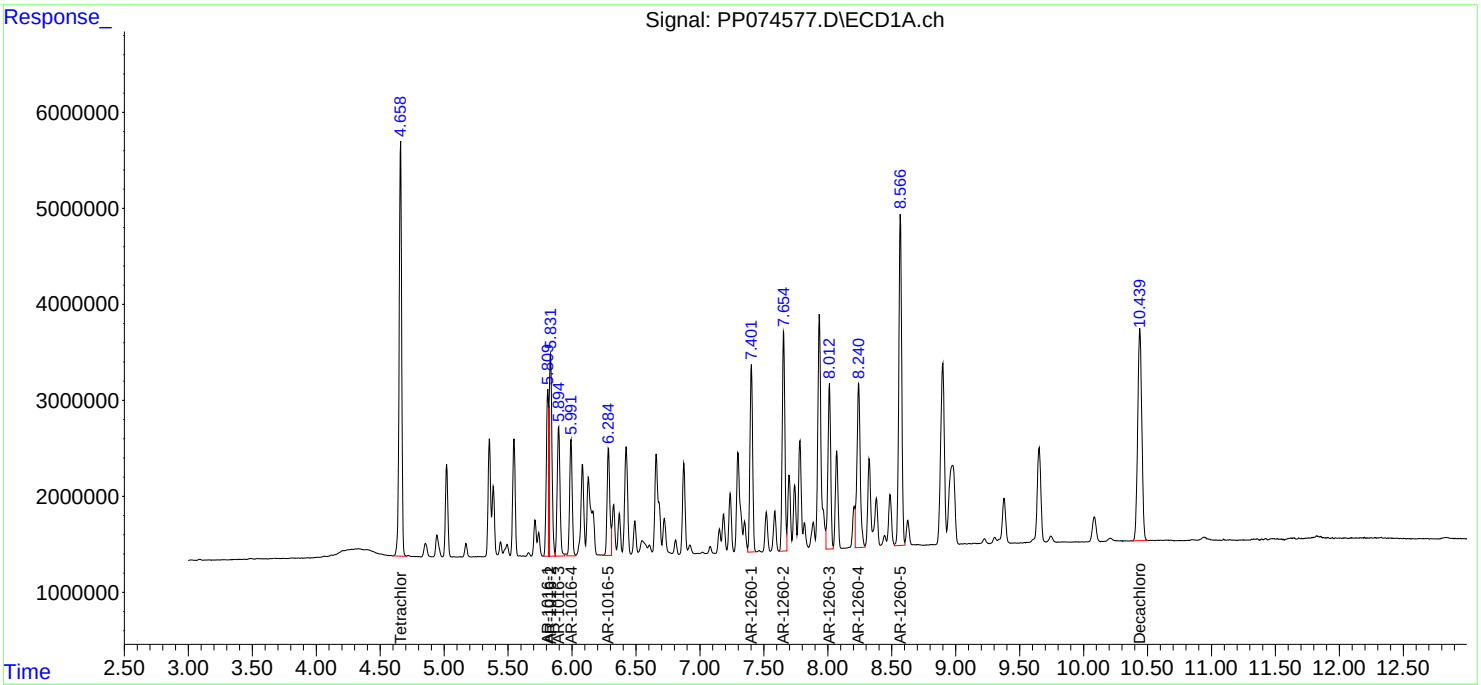
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

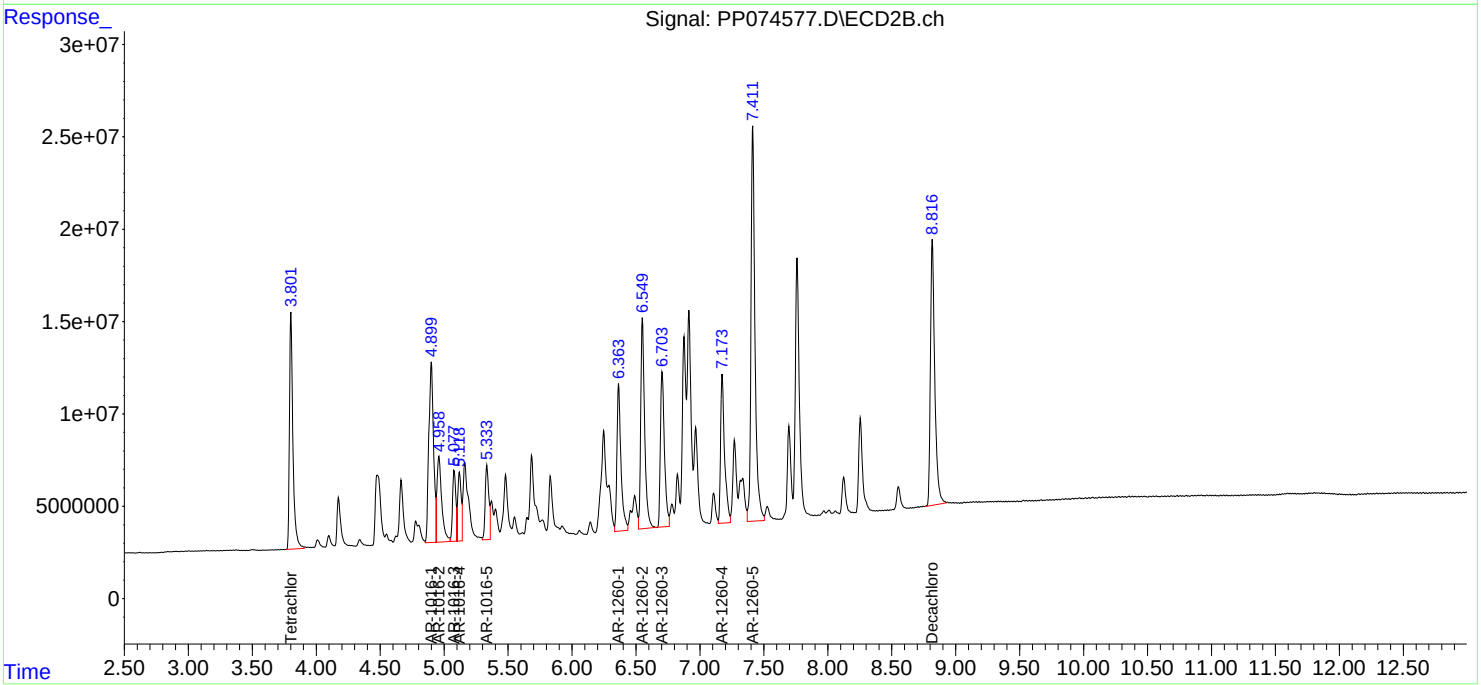
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 14:14
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:29:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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: **PP074592.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HERO01

Lab Code: ACE **SDG NO.:** Q2928

Continuing Calib Date: 08/22/2025 **Initial Calibration Date(s):** 08/19/2025 08/19/2025

Continuing Calib Time: 19:07 **Initial Calibration Time(s):** 10:02 17:36

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)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.90	5.89	5.79	5.99	0.00
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.65	7.55	7.75	0.00
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.57	8.56	8.46	8.66	-0.01
Tetrachloro-m-xylene		4.66	4.65	4.55	4.75	-0.01
Decachlorobiphenyl		10.44	10.43	10.33	10.53	-0.01

Raw Data: **PP074592.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HERO01

Lab Code: ACE **SDG NO.:** Q2928

Continuing Calib Date: 08/22/2025 **Initial Calibration Date(s):** 08/19/2025 08/19/2025

Continuing Calib Time: 19:07 **Initial Calibration Time(s):** 10:02 17:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-2	(2)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-3	(3)	5.08	5.08	4.98	5.18	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.70	6.60	6.80	0.00
Aroclor-1260-4	(4)	7.17	7.17	7.07	7.27	0.00
Aroclor-1260-5	(5)	7.41	7.41	7.31	7.51	0.00
Tetrachloro-m-xylene		3.80	3.80	3.70	3.90	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HERO01

Lab Code: ACE **SDG NO.:** Q2928

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/19/2025 08/19/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/22/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074592.D **Time Analyzed:** 19:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.809	5.706	5.906	478.870	500.000	-4.2
Aroclor-1016-2	5.831	5.727	5.927	494.830	500.000	-1.0
Aroclor-1016-3	5.895	5.790	5.990	462.970	500.000	-7.4
Aroclor-1016-4	5.991	5.888	6.088	482.320	500.000	-3.5
Aroclor-1016-5	6.283	6.180	6.380	498.280	500.000	-0.3
Aroclor-1260-1	7.401	7.297	7.497	479.010	500.000	-4.2
Aroclor-1260-2	7.653	7.550	7.750	469.790	500.000	-6.0
Aroclor-1260-3	8.011	7.908	8.108	497.950	500.000	-0.4
Aroclor-1260-4	8.240	8.136	8.336	480.450	500.000	-3.9
Aroclor-1260-5	8.566	8.462	8.662	474.990	500.000	-5.0
Decachlorobiphenyl	10.435	10.333	10.533	48.800	50.000	-2.4
Tetrachloro-m-xylene	4.659	4.554	4.754	48.220	50.000	-3.6

Raw Data: **PP074592.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HERO01

Lab Code: ACE **SDG NO.:** Q2928

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/19/2025 08/19/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/22/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074592.D **Time Analyzed:** 19:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.901	4.799	4.999	488.860	500.000	-2.2
Aroclor-1016-2	4.958	4.855	5.055	504.890	500.000	1.0
Aroclor-1016-3	5.079	4.976	5.176	481.500	500.000	-3.7
Aroclor-1016-4	5.119	5.017	5.217	480.570	500.000	-3.9
Aroclor-1016-5	5.333	5.231	5.431	468.870	500.000	-6.2
Aroclor-1260-1	6.362	6.261	6.461	468.040	500.000	-6.4
Aroclor-1260-2	6.549	6.448	6.648	450.670	500.000	-9.9
Aroclor-1260-3	6.703	6.602	6.802	414.420	500.000	-17.1
Aroclor-1260-4	7.172	7.072	7.272	450.160	500.000	-10.0
Aroclor-1260-5	7.412	7.311	7.511	441.440	500.000	-11.7
Decachlorobiphenyl	8.814	8.715	8.915	44.310	50.000	-11.4
Tetrachloro-m-xylene	3.802	3.699	3.899	50.520	50.000	1.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 19:07
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: Aug 25 05:34:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.659	3.802	59001054	244.3E6	48.216	50.519
2)	SA Decachlor...	10.435	8.814	48185988	332.3E6	48.795	44.315
	Target Compounds						
3)	L1 AR-1016-1	5.809	4.901	21112819	249.0E6	478.870	488.856
4)	L1 AR-1016-2	5.831	4.958	31095684	120.2E6	494.826	504.886
5)	L1 AR-1016-3	5.895	5.079	20793667	66401145	462.967	481.504
6)	L1 AR-1016-4	5.991	5.119	16969003	67185913	482.323	480.575
7)	L1 AR-1016-5	6.283	5.333	16536033	77871106	498.282	468.868
31)	L7 AR-1260-1	7.401	6.362	27691142	175.6E6	479.007	468.044
32)	L7 AR-1260-2	7.653	6.549	32376568	238.3E6	469.788	450.672
33)	L7 AR-1260-3	8.011	6.703	25836031	179.4E6	497.945	414.423
34)	L7 AR-1260-4	8.240	7.172	30649087	171.7E6	480.448	450.156
35)	L7 AR-1260-5	8.566	7.412	53869330	443.4E6	474.987	441.442

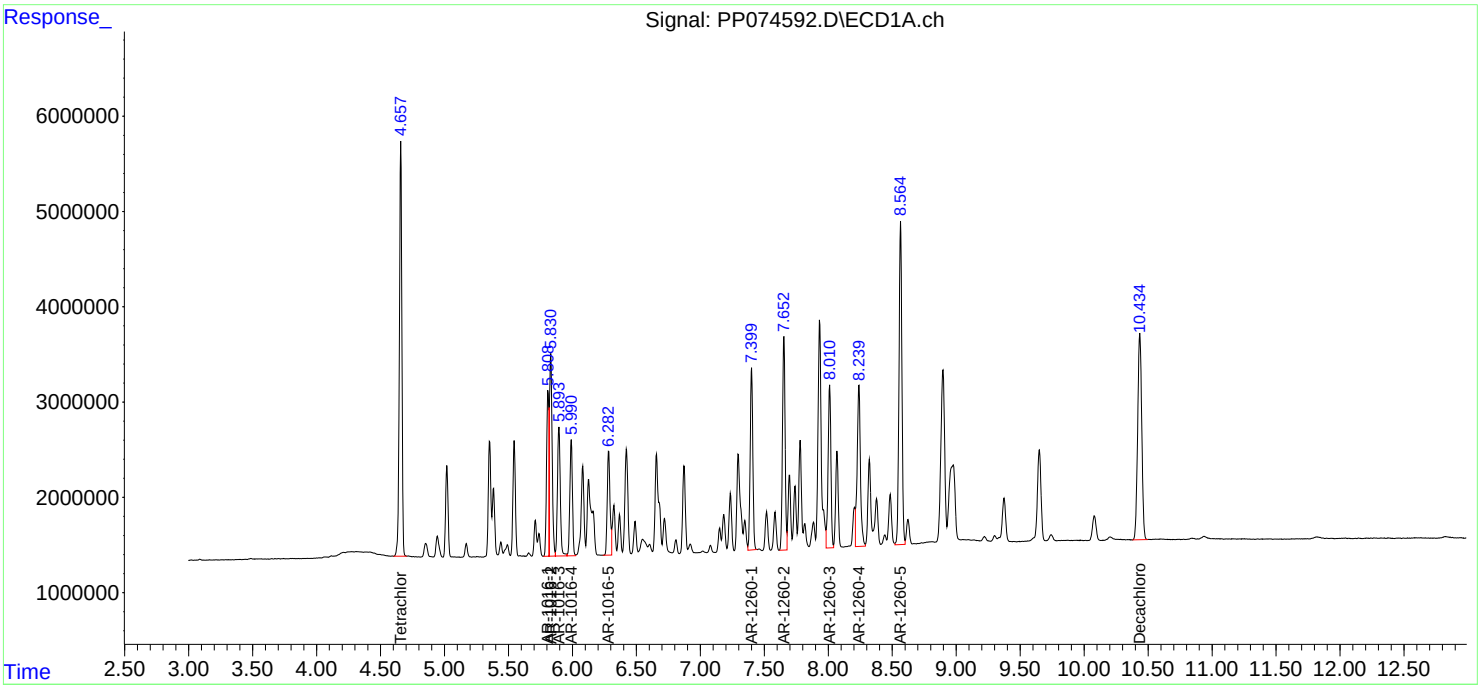
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

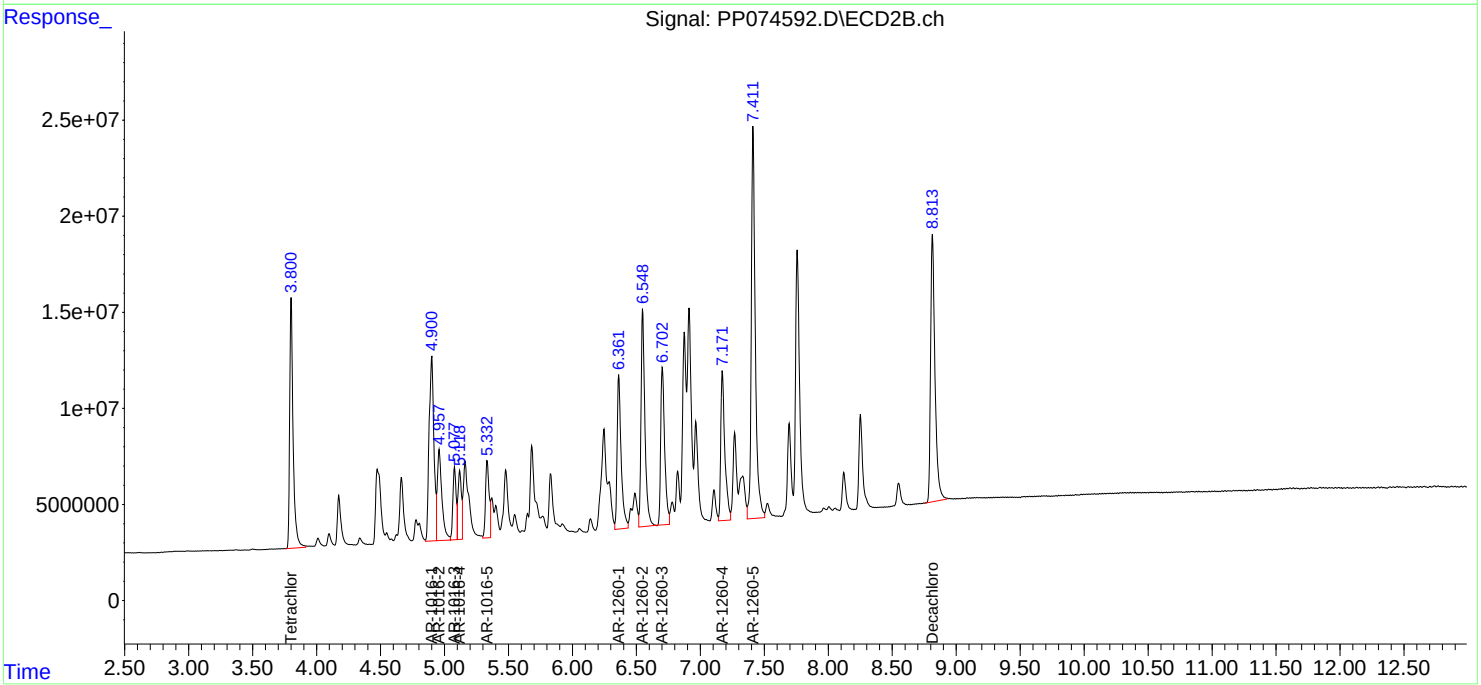
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 19:07
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:34:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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: **PP074607.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HERO01

Lab Code: ACE **SDG NO.:** Q2928

Continuing Calib Date: 08/23/2025 **Initial Calibration Date(s):** 08/19/2025 08/19/2025

Continuing Calib Time: 01:22 **Initial Calibration Time(s):** 10:02 17:36

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)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.89	5.89	5.79	5.99	0.00
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.65	7.55	7.75	0.00
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.57	8.56	8.46	8.66	0.00
Tetrachloro-m-xylene		4.66	4.65	4.55	4.75	-0.01
Decachlorobiphenyl		10.44	10.43	10.33	10.53	-0.01

Raw Data: **PP074607.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HERO01

Lab Code: ACE **SDG NO.:** Q2928

Continuing Calib Date: 08/23/2025 **Initial Calibration Date(s):** 08/19/2025 08/19/2025

Continuing Calib Time: 01:22 **Initial Calibration Time(s):** 10:02 17:36

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)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-2	(2)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-3	(3)	5.08	5.08	4.98	5.18	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.70	6.60	6.80	0.00
Aroclor-1260-4	(4)	7.17	7.17	7.07	7.27	0.00
Aroclor-1260-5	(5)	7.41	7.41	7.31	7.51	0.00
Tetrachloro-m-xylene		3.80	3.80	3.70	3.90	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HERO01

Lab Code: ACE **SDG NO.:** Q2928

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/19/2025 08/19/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074607.D **Time Analyzed:** 01:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.810	5.706	5.906	517.150	500.000	3.4
Aroclor-1016-2	5.832	5.727	5.927	535.080	500.000	7.0
Aroclor-1016-3	5.894	5.790	5.990	490.880	500.000	-1.8
Aroclor-1016-4	5.992	5.888	6.088	514.370	500.000	2.9
Aroclor-1016-5	6.284	6.180	6.380	532.650	500.000	6.5
Aroclor-1260-1	7.401	7.297	7.497	502.910	500.000	0.6
Aroclor-1260-2	7.653	7.550	7.750	497.210	500.000	-0.6
Aroclor-1260-3	8.011	7.908	8.108	526.350	500.000	5.3
Aroclor-1260-4	8.240	8.136	8.336	506.800	500.000	1.4
Aroclor-1260-5	8.565	8.462	8.662	489.770	500.000	-2.0
Decachlorobiphenyl	10.436	10.333	10.533	50.680	50.000	1.4
Tetrachloro-m-xylene	4.659	4.554	4.754	52.580	50.000	5.2

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HERO01

Lab Code: ACE **SDG NO.:** Q2928

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/19/2025 08/19/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074607.D **Time Analyzed:** 01:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.900	4.799	4.999	528.170	500.000	5.6
Aroclor-1016-2	4.958	4.855	5.055	550.600	500.000	10.1
Aroclor-1016-3	5.079	4.976	5.176	521.820	500.000	4.4
Aroclor-1016-4	5.119	5.017	5.217	501.960	500.000	0.4
Aroclor-1016-5	5.334	5.231	5.431	472.280	500.000	-5.5
Aroclor-1260-1	6.363	6.261	6.461	480.650	500.000	-3.9
Aroclor-1260-2	6.549	6.448	6.648	458.750	500.000	-8.3
Aroclor-1260-3	6.703	6.602	6.802	420.480	500.000	-15.9
Aroclor-1260-4	7.173	7.072	7.272	436.150	500.000	-12.8
Aroclor-1260-5	7.412	7.311	7.511	431.770	500.000	-13.6
Decachlorobiphenyl	8.814	8.715	8.915	42.100	50.000	-15.8
Tetrachloro-m-xylene	3.801	3.699	3.899	55.450	50.000	10.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Aug 2025 01:22
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 98 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 07:01:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.659	3.801	64338861	268.1E6	52.578	55.450
2)	SA Decachlor...	10.436	8.814	50046244	315.7E6	50.679	42.103
	Target Compounds						
3)	L1 AR-1016-1	5.810	4.900	22800596	269.0E6	517.151	528.166
4)	L1 AR-1016-2	5.832	4.958	33625374	131.1E6	535.081	550.601
5)	L1 AR-1016-3	5.894	5.079	22047236	71960870	490.877	521.820
6)	L1 AR-1016-4	5.992	5.119	18096409	70175631	514.368	501.960
7)	L1 AR-1016-5	6.284	5.334	17676703	78437183	532.654	472.276
31)	L7 AR-1260-1	7.401	6.363	29072849	180.4E6	502.908	480.654
32)	L7 AR-1260-2	7.653	6.549	34266261	242.6E6	497.207	458.747
33)	L7 AR-1260-3	8.011	6.703	27309752	182.1E6	526.349	420.484
34)	L7 AR-1260-4	8.240	7.173	32330412	166.4E6	506.804	436.149
35)	L7 AR-1260-5	8.565	7.412	55545757	433.7E6	489.769	431.772

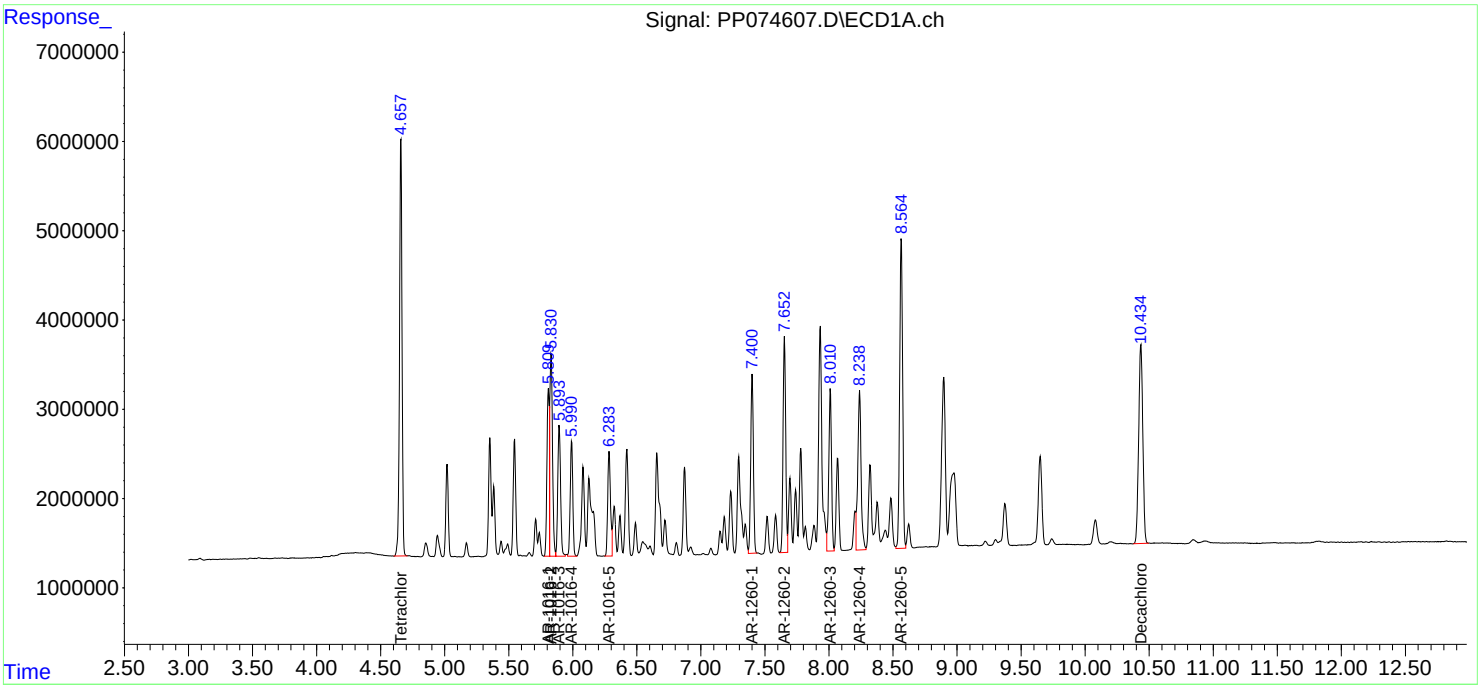
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

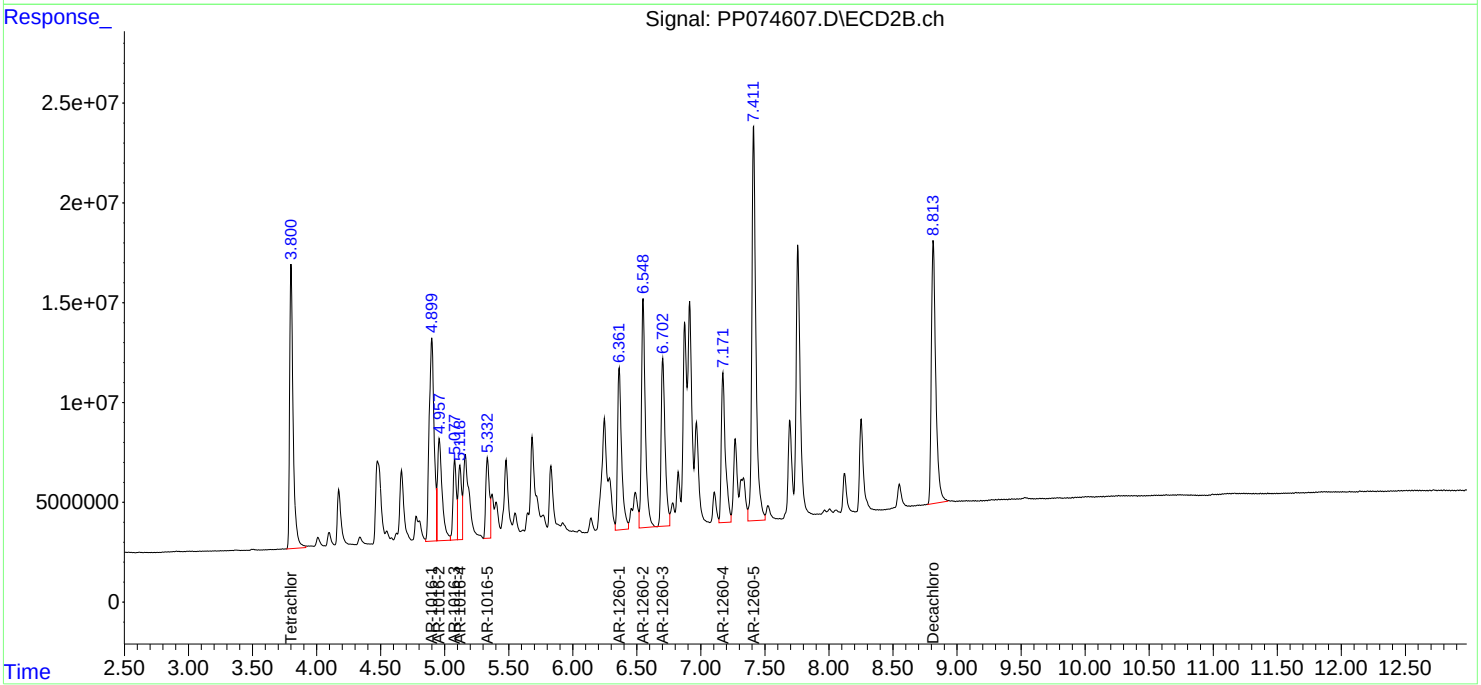
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Aug 2025 01:22
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 98 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 07:01:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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: Hero Construction **SDG No.:** Q2928

Project: Residential Soil Testing **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 08/19/2025 08/19/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	08/19/2025	09:46	PP074490.D	10.43	4.65
AR1660ICC1000	AR1660ICC1000	08/19/2025	10:02	PP074491.D	10.43	4.65
AR1660ICC750	AR1660ICC750	08/19/2025	10:18	PP074492.D	10.44	4.66
AR1660ICC500	AR1660ICC500	08/19/2025	10:34	PP074493.D	10.43	4.65
AR1660ICC250	AR1660ICC250	08/19/2025	10:51	PP074494.D	10.43	4.66
AR1660ICC050	AR1660ICC050	08/19/2025	11:07	PP074495.D	10.44	4.66
AR1221ICC500	AR1221ICC500	08/19/2025	11:23	PP074496.D	10.43	4.65
AR1232ICC500	AR1232ICC500	08/19/2025	11:39	PP074497.D	10.43	4.66
AR1242ICC1000	AR1242ICC1000	08/19/2025	11:55	PP074498.D	10.43	4.66
AR1242ICC750	AR1242ICC750	08/19/2025	12:12	PP074499.D	10.44	4.66
AR1242ICC500	AR1242ICC500	08/19/2025	12:28	PP074500.D	10.43	4.66
AR1242ICC250	AR1242ICC250	08/19/2025	12:44	PP074501.D	10.44	4.66
AR1242ICC050	AR1242ICC050	08/19/2025	13:00	PP074502.D	10.44	4.66
AR1248ICC1000	AR1248ICC1000	08/19/2025	13:16	PP074503.D	10.44	4.66
AR1248ICC750	AR1248ICC750	08/19/2025	13:33	PP074504.D	10.44	4.66
AR1248ICC500	AR1248ICC500	08/19/2025	13:49	PP074505.D	10.44	4.66
AR1248ICC250	AR1248ICC250	08/19/2025	14:05	PP074506.D	10.44	4.66
AR1248ICC050	AR1248ICC050	08/19/2025	14:21	PP074507.D	10.44	4.66
AR1254ICC1000	AR1254ICC1000	08/19/2025	14:37	PP074508.D	10.44	4.66
AR1254ICC750	AR1254ICC750	08/19/2025	14:53	PP074509.D	10.44	4.66
AR1254ICC500	AR1254ICC500	08/19/2025	15:10	PP074510.D	10.44	4.66
AR1254ICC250	AR1254ICC250	08/19/2025	15:42	PP074511.D	10.44	4.66
AR1254ICC050	AR1254ICC050	08/19/2025	15:58	PP074512.D	10.44	4.66
AR1262ICC500	AR1262ICC500	08/19/2025	16:14	PP074513.D	10.44	4.66
AR1268ICC1000	AR1268ICC1000	08/19/2025	16:31	PP074514.D	10.43	4.66
AR1268ICC750	AR1268ICC750	08/19/2025	16:47	PP074515.D	10.44	4.66
AR1268ICC500	AR1268ICC500	08/19/2025	17:03	PP074516.D	10.43	4.66
AR1268ICC250	AR1268ICC250	08/19/2025	17:19	PP074517.D	10.44	4.66
AR1268ICC050	AR1268ICC050	08/19/2025	17:36	PP074518.D	10.43	4.66
AR1660CCC500	AR1660CCC500	08/22/2025	14:14	PP074577.D	10.44	4.66
I.BLK	I.BLK	08/22/2025	15:19	PP074581.D	10.44	4.66
PB169359BL	PB169359BL	08/22/2025	15:36	PP074582.D	10.44	4.66
PB169359BS	PB169359BS	08/22/2025	15:52	PP074583.D	10.44	4.66
AR1660CCC500	AR1660CCC500	08/22/2025	19:07	PP074592.D	10.44	4.66
I.BLK	I.BLK	08/22/2025	20:45	PP074596.D	10.43	4.66
BRIDGE-EASTMS	Q2915-03MS	08/22/2025	21:34	PP074599.D	10.43	4.66
BRIDGE-EASTMSD	Q2915-03MSD	08/22/2025	21:50	PP074600.D	10.44	4.66
27-BELL	Q2928-01	08/22/2025	23:11	PP074605.D	10.44	4.66
AR1660CCC500	AR1660CCC500	08/23/2025	01:22	PP074607.D	10.44	4.66
I.BLK	I.BLK	08/23/2025	02:27	PP074611.D	10.44	4.66

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Fax : 908 789 8922

Analytical Sequence

Client: Hero Construction **SDG No.:** Q2928

Project: Residential Soil Testing **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 08/19/2025 08/19/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	08/19/2025	09:46	PP074490.D	8.81	3.80
AR1660ICC1000	AR1660ICC1000	08/19/2025	10:02	PP074491.D	8.81	3.80
AR1660ICC750	AR1660ICC750	08/19/2025	10:18	PP074492.D	8.82	3.80
AR1660ICC500	AR1660ICC500	08/19/2025	10:34	PP074493.D	8.82	3.80
AR1660ICC250	AR1660ICC250	08/19/2025	10:51	PP074494.D	8.81	3.80
AR1660ICC050	AR1660ICC050	08/19/2025	11:07	PP074495.D	8.82	3.80
AR1221ICC500	AR1221ICC500	08/19/2025	11:23	PP074496.D	8.82	3.80
AR1232ICC500	AR1232ICC500	08/19/2025	11:39	PP074497.D	8.82	3.80
AR1242ICC1000	AR1242ICC1000	08/19/2025	11:55	PP074498.D	8.82	3.80
AR1242ICC750	AR1242ICC750	08/19/2025	12:12	PP074499.D	8.82	3.80
AR1242ICC500	AR1242ICC500	08/19/2025	12:28	PP074500.D	8.81	3.80
AR1242ICC250	AR1242ICC250	08/19/2025	12:44	PP074501.D	8.82	3.80
AR1242ICC050	AR1242ICC050	08/19/2025	13:00	PP074502.D	8.82	3.80
AR1248ICC1000	AR1248ICC1000	08/19/2025	13:16	PP074503.D	8.82	3.80
AR1248ICC750	AR1248ICC750	08/19/2025	13:33	PP074504.D	8.82	3.80
AR1248ICC500	AR1248ICC500	08/19/2025	13:49	PP074505.D	8.82	3.80
AR1248ICC250	AR1248ICC250	08/19/2025	14:05	PP074506.D	8.82	3.80
AR1248ICC050	AR1248ICC050	08/19/2025	14:21	PP074507.D	8.82	3.80
AR1254ICC1000	AR1254ICC1000	08/19/2025	14:37	PP074508.D	8.82	3.80
AR1254ICC750	AR1254ICC750	08/19/2025	14:53	PP074509.D	8.82	3.80
AR1254ICC500	AR1254ICC500	08/19/2025	15:10	PP074510.D	8.82	3.80
AR1254ICC250	AR1254ICC250	08/19/2025	15:42	PP074511.D	8.82	3.80
AR1254ICC050	AR1254ICC050	08/19/2025	15:58	PP074512.D	8.81	3.80
AR1262ICC500	AR1262ICC500	08/19/2025	16:14	PP074513.D	8.82	3.80
AR1268ICC1000	AR1268ICC1000	08/19/2025	16:31	PP074514.D	8.81	3.80
AR1268ICC750	AR1268ICC750	08/19/2025	16:47	PP074515.D	8.82	3.80
AR1268ICC500	AR1268ICC500	08/19/2025	17:03	PP074516.D	8.81	3.80
AR1268ICC250	AR1268ICC250	08/19/2025	17:19	PP074517.D	8.82	3.80
AR1268ICC050	AR1268ICC050	08/19/2025	17:36	PP074518.D	8.81	3.80
AR1660CCC500	AR1660CCC500	08/22/2025	14:14	PP074577.D	8.82	3.80
I.BLK	I.BLK	08/22/2025	15:19	PP074581.D	8.81	3.80
PB169359BL	PB169359BL	08/22/2025	15:36	PP074582.D	8.82	3.80
PB169359BS	PB169359BS	08/22/2025	15:52	PP074583.D	8.81	3.80
AR1660CCC500	AR1660CCC500	08/22/2025	19:07	PP074592.D	8.81	3.80
I.BLK	I.BLK	08/22/2025	20:45	PP074596.D	8.81	3.80
BRIDGE-EASTMS	Q2915-03MS	08/22/2025	21:34	PP074599.D	8.81	3.80
BRIDGE-EASTMSD	Q2915-03MSD	08/22/2025	21:50	PP074600.D	8.81	3.80
27-BELL	Q2928-01	08/22/2025	23:11	PP074605.D	8.82	3.80
AR1660CCC500	AR1660CCC500	08/23/2025	01:22	PP074607.D	8.81	3.80
I.BLK	I.BLK	08/23/2025	02:27	PP074611.D	8.81	3.80

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB169359BS

Lab Name: Alliance Contract: HERO01

Lab Code: ACE SDG NO.: Q2928

Lab Sample ID: PB169359BS Date(s) Analyzed: 08/22/2025 08/22/2025

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 PP074583.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.809	5.759	5.859	156		
	2	5.831	5.781	5.881	162		
	3	5.894	5.844	5.944	150		
COLUMN 1	4	5.991	5.941	6.041	156		
	5	6.283	6.233	6.333	159	156	
	1	4.9	4.85	4.95	146		
	2	4.957	4.907	5.007	145		
	3	5.078	5.028	5.128	142		
	4	5.118	5.068	5.168	139		
COLUMN 2	5	5.332	5.282	5.382	130	140	10.81
Aroclor-1260	1	7.401	7.351	7.451	162		
	2	7.653	7.603	7.703	160		
	3	8.011	7.961	8.061	144		
COLUMN 1	4	8.239	8.189	8.289	149		
	5	8.565	8.515	8.615	141	151	
	1	6.362	6.312	6.412	153		
	2	6.548	6.498	6.598	147		
	3	6.702	6.652	6.752	138		
	4	7.172	7.122	7.222	130		
COLUMN 2	5	7.411	7.361	7.461	128	139	8.28

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

BRIDGE-EASTMS

Lab Name: Alliance Contract: HERO01

Lab Code: ACE SDG NO.: Q2928

Lab Sample ID: Q2915-03MS Date(s) Analyzed: 08/22/2025 08/22/2025

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 PP074599.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.81	5.76	5.86	185		
	2	5.831	5.781	5.881	194		
	3	5.894	5.844	5.944	176		
COLUMN 1	4	5.991	5.941	6.041	194		
	5	6.284	6.234	6.334	190	188	
	1	4.901	4.851	4.951	190		
	2	4.958	4.908	5.008	197		
	3	5.079	5.029	5.129	188		
	4	5.12	5.07	5.17	181		
COLUMN 2	5	5.334	5.284	5.384	175	186	1.07
Aroclor-1260	1	7.401	7.351	7.451	184		
	2	7.654	7.604	7.704	182		
	3	8.011	7.961	8.061	160		
COLUMN 1	4	8.238	8.188	8.288	165		
	5	8.565	8.515	8.615	153	169	
	1	6.363	6.313	6.413	179		
	2	6.549	6.499	6.599	175		
	3	6.703	6.653	6.753	159		
	4	7.173	7.123	7.223	148		
COLUMN 2	5	7.412	7.362	7.462	140	160	5.47

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

BRIDGE-EASTMSD

Lab Name: Alliance
Contract: HERO01
Lab Code: ACE
SDG NO.: Q2928
Lab Sample ID: Q2915-03MSD
Date(s) Analyzed: 08/22/2025 08/22/2025
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 PP074600.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.811	5.761	5.861	194		
	2	5.832	5.782	5.882	197		
	3	5.895	5.845	5.945	181		
COLUMN 1	4	5.992	5.942	6.042	198		
	5	6.285	6.235	6.335	196	193	
	1	4.901	4.851	4.951	200		
	2	4.958	4.908	5.008	198		
	3	5.079	5.029	5.129	196		
	4	5.119	5.069	5.169	187		
COLUMN 2	5	5.334	5.284	5.384	179	192	0.52
Aroclor-1260	1	7.402	7.352	7.452	191		
	2	7.654	7.604	7.704	189		
	3	8.012	7.962	8.062	165		
COLUMN 1	4	8.239	8.189	8.289	175		
	5	8.566	8.516	8.616	160	176	
	1	6.363	6.313	6.413	184		
	2	6.549	6.499	6.599	179		
	3	6.703	6.653	6.753	166		
	4	7.173	7.123	7.223	153		
COLUMN 2	5	7.412	7.362	7.462	149	166	5.85

QC SAMPLE DATA

Raw Data: **PP074582.D**

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

Report of Analysis

Client:	Hero Construction		Date Collected:		
Project:	Residential Soil Testing		Date Received:		
Client Sample ID:	PB169359BL		SDG No.:	Q2928	
Lab Sample ID:	PB169359BL		Matrix:	SOIL	
Analytical Method:	8082A		% 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
PP074582.D	1	08/22/25 10:20	08/22/25 15:36	PB169359

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.7		32 - 175	113%	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

Sample Results: **PP074582.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074582.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 15:36
Operator : YP\AJ
Sample : PB169359BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB169359BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:30:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.659	3.801	24694926	84001494	20.181	17.372
2)	SA Decachlor...	10.436	8.815	22375146	136.9E6	22.658	18.252
	Target Compounds						

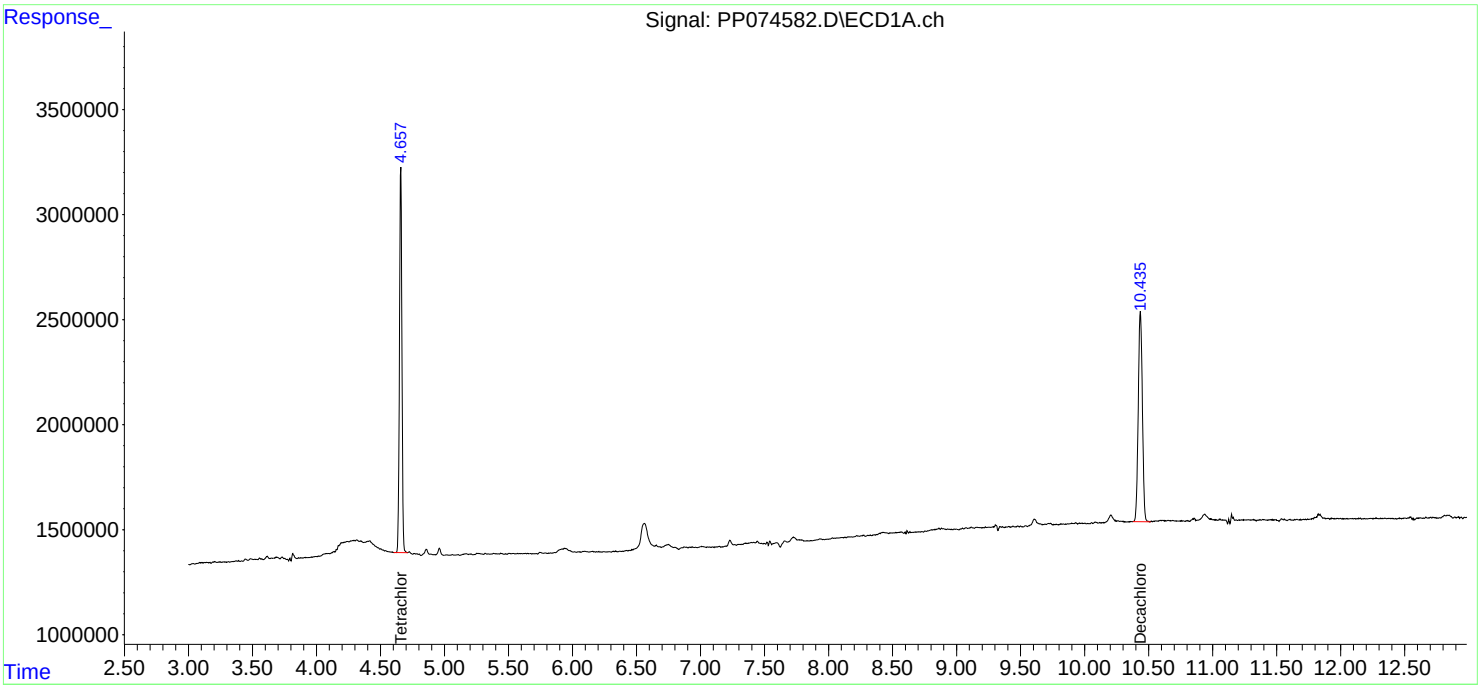
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

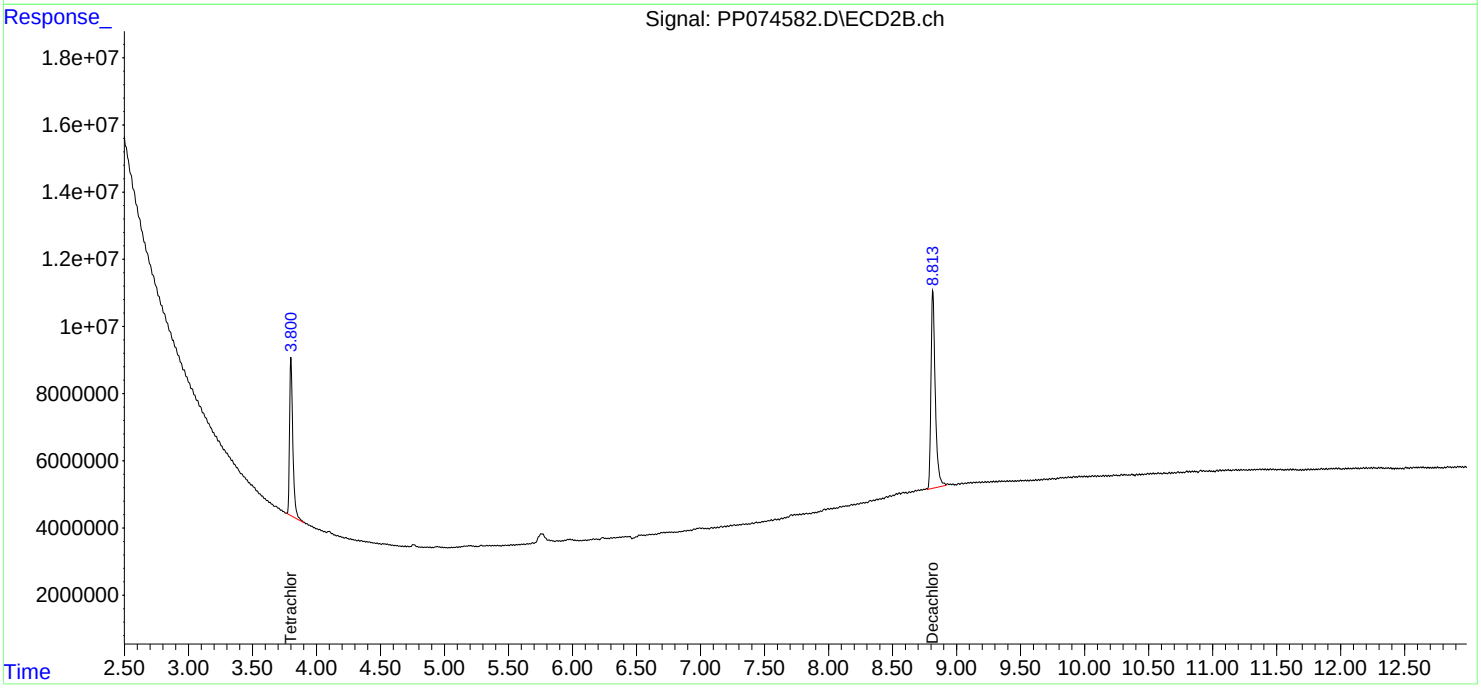
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074582.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 15:36
Operator : YP\AJ
Sample : PB169359BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

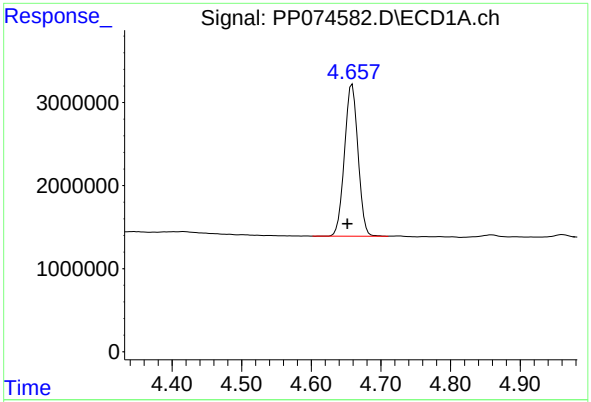
Instrument :
ECD_P
ClientSampleId :
PB169359BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:30:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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



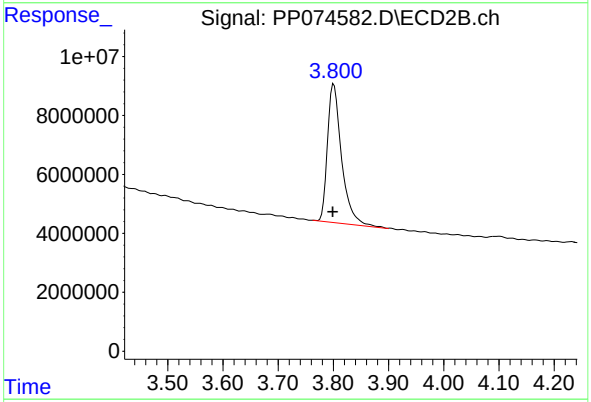




#1 Tetrachloro-m-xylene

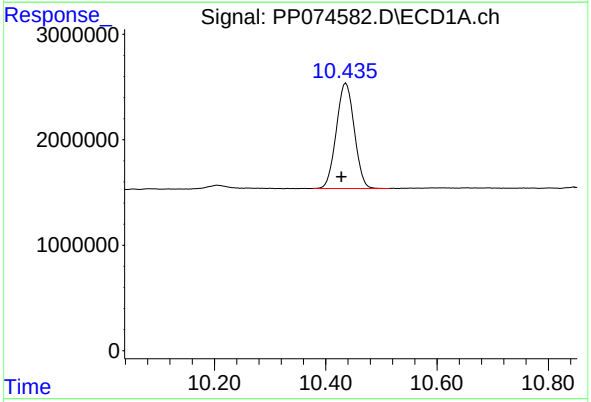
R.T.: 4.659 min
Delta R.T.: 0.007 min
Response: 24694926
Conc: 20.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB169359BL



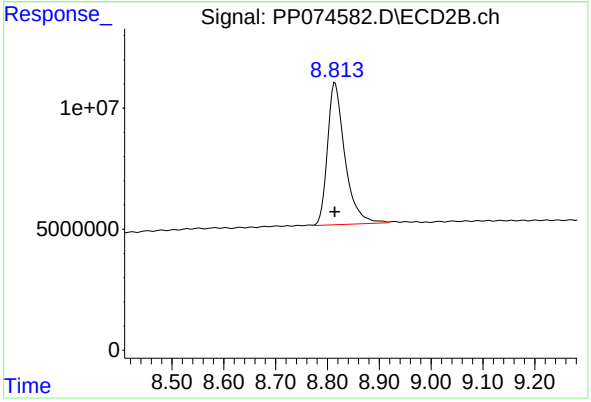
#1 Tetrachloro-m-xylene

R.T.: 3.801 min
Delta R.T.: 0.002 min
Response: 84001494
Conc: 17.37 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.436 min
Delta R.T.: 0.008 min
Response: 22375146
Conc: 22.66 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.815 min
Delta R.T.: 0.000 min
Response: 136876672
Conc: 18.25 ng/ml

Raw Data: **PP074490.D**

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

Report of Analysis

Client:	Hero Construction	Date Collected:	08/19/25
Project:	Residential Soil Testing	Date Received:	08/19/25
Client Sample ID:	PIBLK-PP074490.D	SDG No.:	Q2928
Lab Sample ID:	I.BLK-PP074490.D	Matrix:	WATER
Analytical Method:	8082A	% 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
PP074490.D	1		08/19/25	PP081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.7		60 - 140	78%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.9		60 - 140	85%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074490.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 09:46
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: Aug 20 06:22:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.651	3.798	21748898	75777732	17.773	15.671
2)	SA Decachlor...	10.429	8.812	18016036	127.1E6	18.244	16.955
	Target Compounds						

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

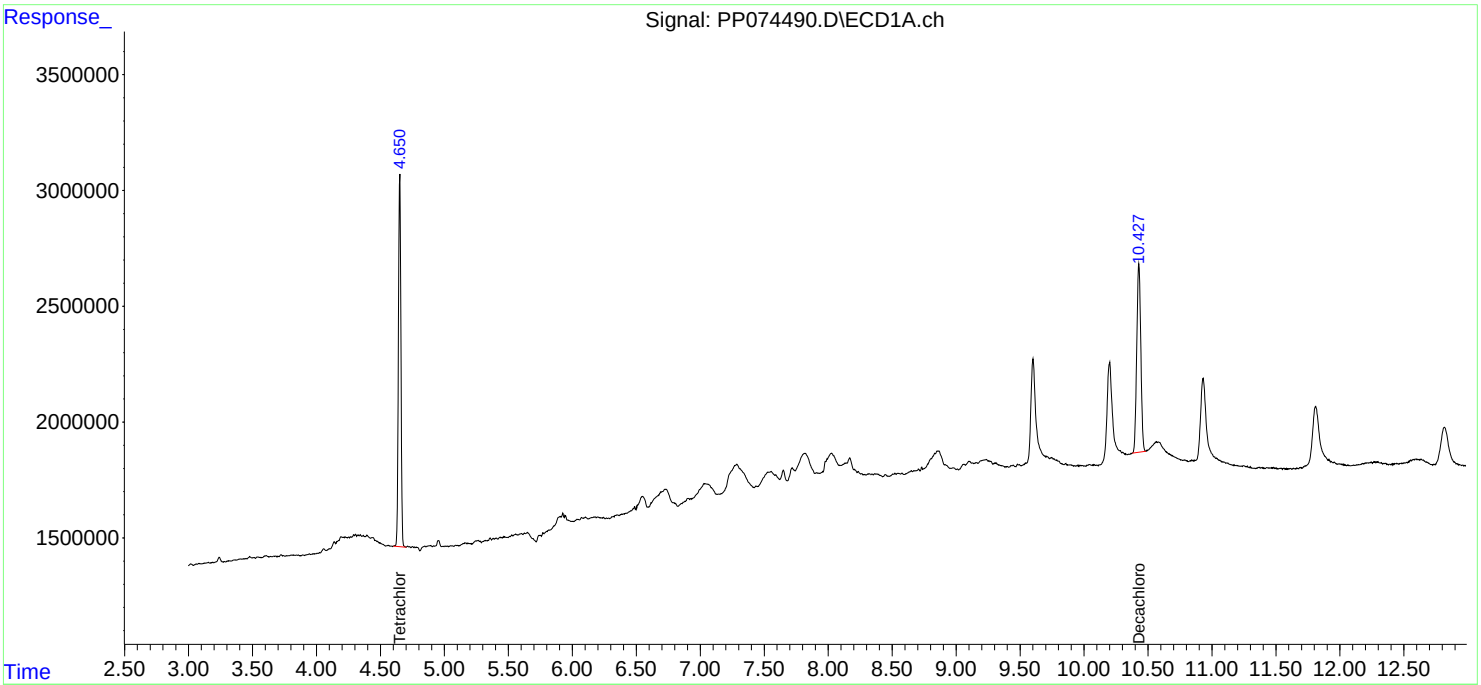
Sample Results: **PP074490.D**

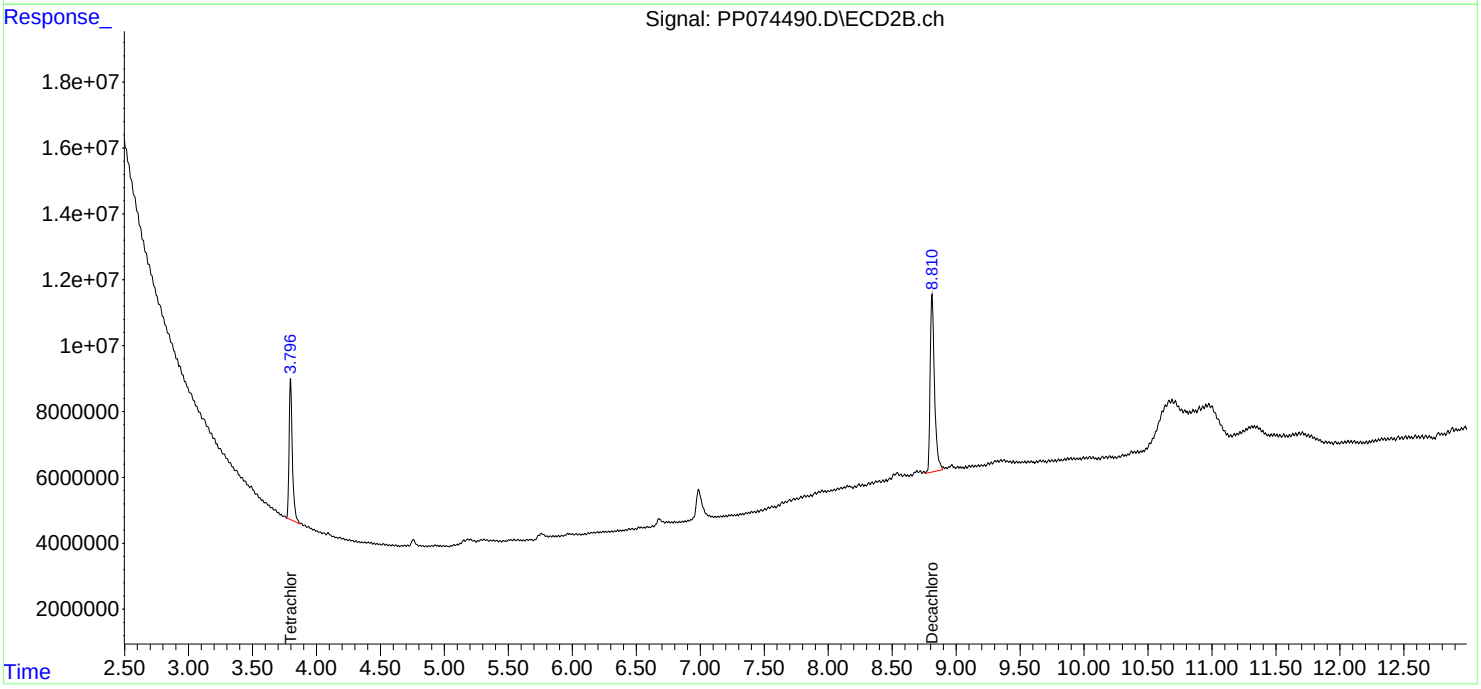
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081925\
Data File : PP074490.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 09:46
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

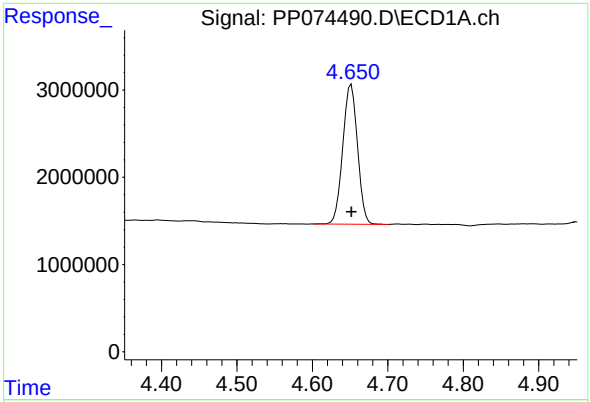
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:22:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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



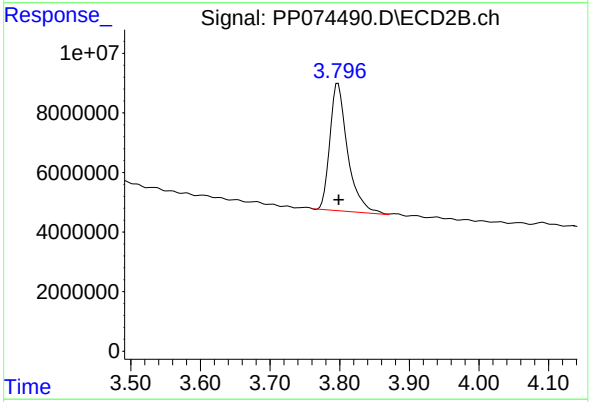




#1 Tetrachloro-m-xylene

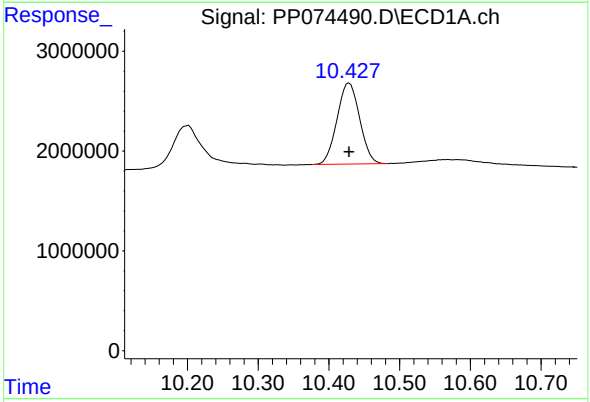
R.T.: 4.651 min
Delta R.T.: 0.000 min
Response: 21748898
Conc: 17.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



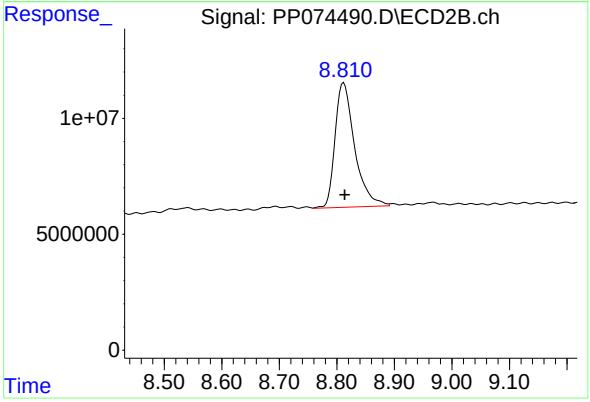
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: -0.001 min
Response: 75777732
Conc: 15.67 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.429 min
Delta R.T.: 0.000 min
Response: 18016036
Conc: 18.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.812 min
Delta R.T.: -0.002 min
Response: 127148329
Conc: 16.95 ng/ml

Raw Data: **PP074581.D**

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

Report of Analysis

Client:	Hero Construction	Date Collected:	08/22/25
Project:	Residential Soil Testing	Date Received:	08/22/25
Client Sample ID:	PIBLK-PP074581.D	SDG No.:	Q2928
Lab Sample ID:	I.BLK-PP074581.D	Matrix:	WATER
Analytical Method:	8082A	% 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
PP074581.D	1		08/22/25	pp082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.8		60 - 140	74%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.9		60 - 140	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: **PP074581.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 15:19
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: Aug 25 05:30:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.659	3.802	22206209	71700329	18.147	14.828
2)	SA Decachlor...	10.435	8.814	19992049	119.1E6	20.245	15.882
	Target Compounds						

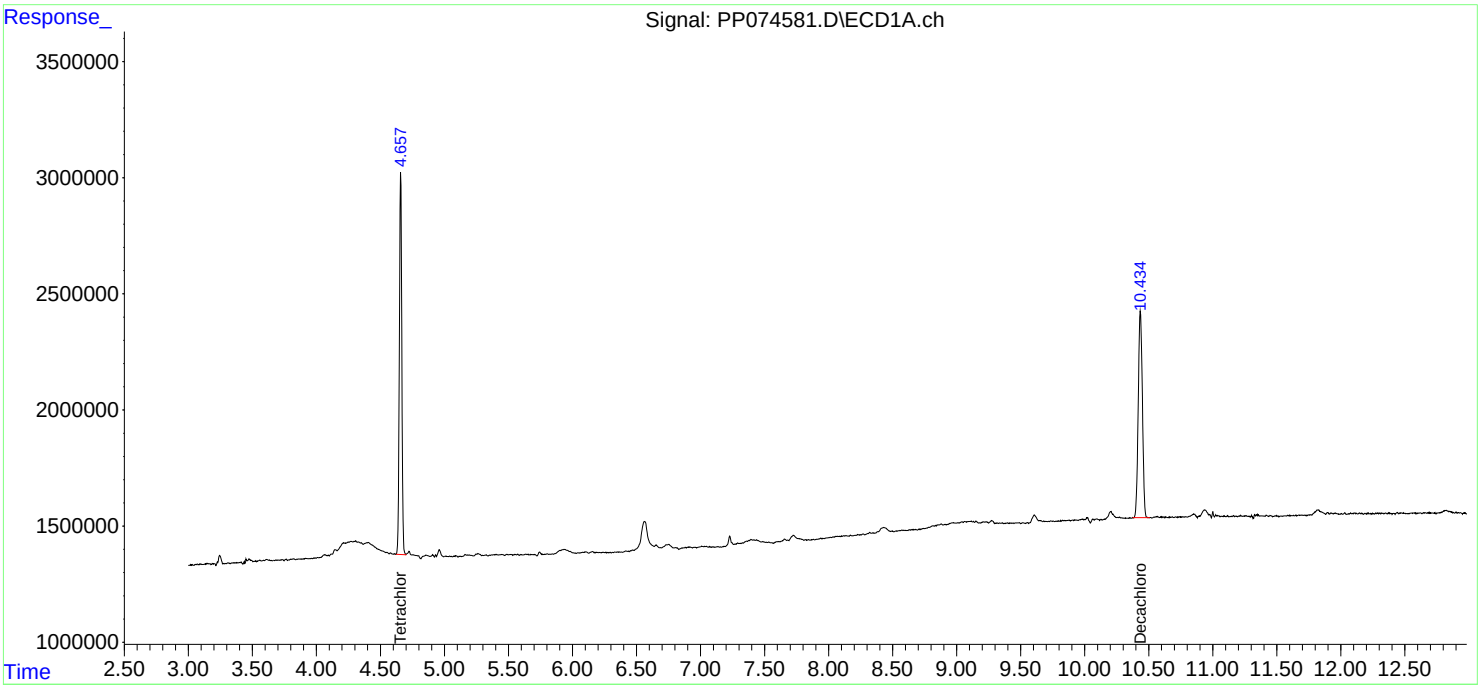
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

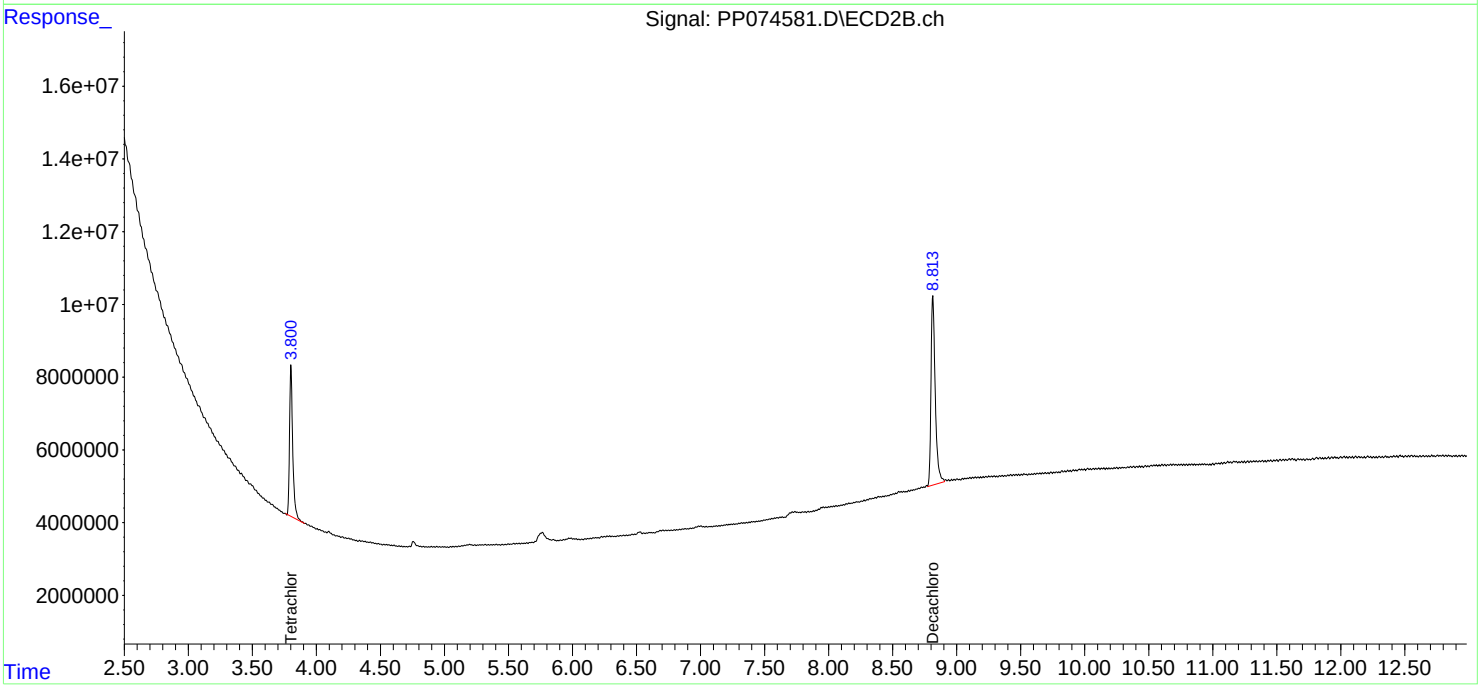
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 15:19
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

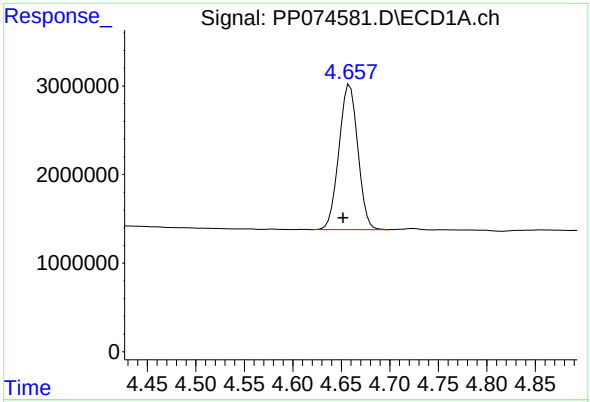
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:30:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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



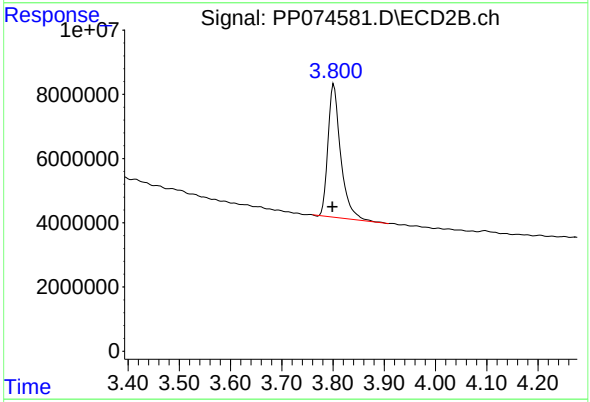




#1 Tetrachloro-m-xylene

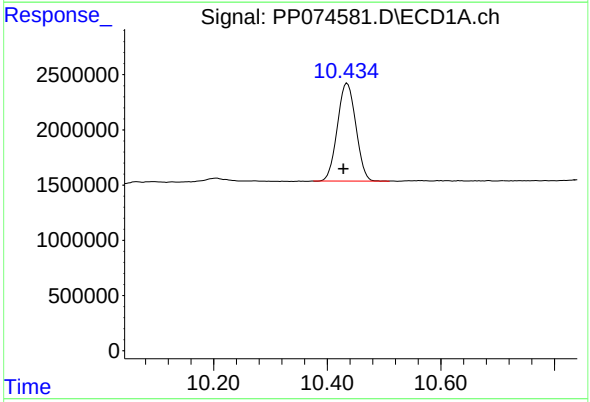
R.T.: 4.659 min
Delta R.T.: 0.007 min
Response: 22206209
Conc: 18.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



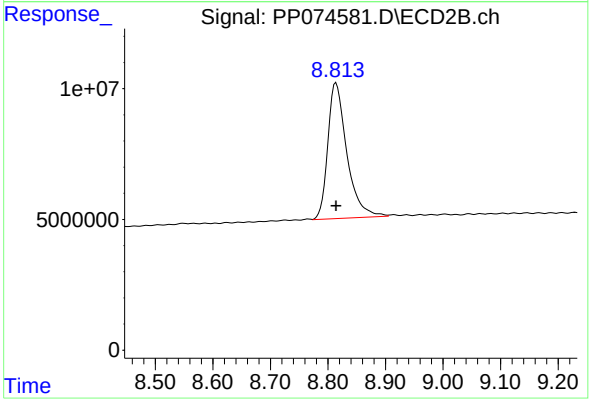
#1 Tetrachloro-m-xylene

R.T.: 3.802 min
Delta R.T.: 0.003 min
Response: 71700329
Conc: 14.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.435 min
Delta R.T.: 0.007 min
Response: 19992049
Conc: 20.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.814 min
Delta R.T.: 0.000 min
Response: 119100812
Conc: 15.88 ng/ml

Raw Data: **PP074596.D**

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

Report of Analysis

Client:	Hero Construction	Date Collected:	08/22/25
Project:	Residential Soil Testing	Date Received:	08/22/25
Client Sample ID:	PIBLK-PP074596.D	SDG No.:	Q2928
Lab Sample ID:	I.BLK-PP074596.D	Matrix:	WATER
Analytical Method:	8082A	% 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
PP074596.D	1		08/22/25	pp082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.5		60 - 140	78%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.6		60 - 140	78%	SPK: 20

Comments:

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

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

Sample Results: **PP074596.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 20:45
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:35:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.657	3.800	22435476	74933531	18.334	15.497
2)	SA Decachlor...	10.434	8.813	19894479	116.9E6	20.146	15.591
	Target Compounds						

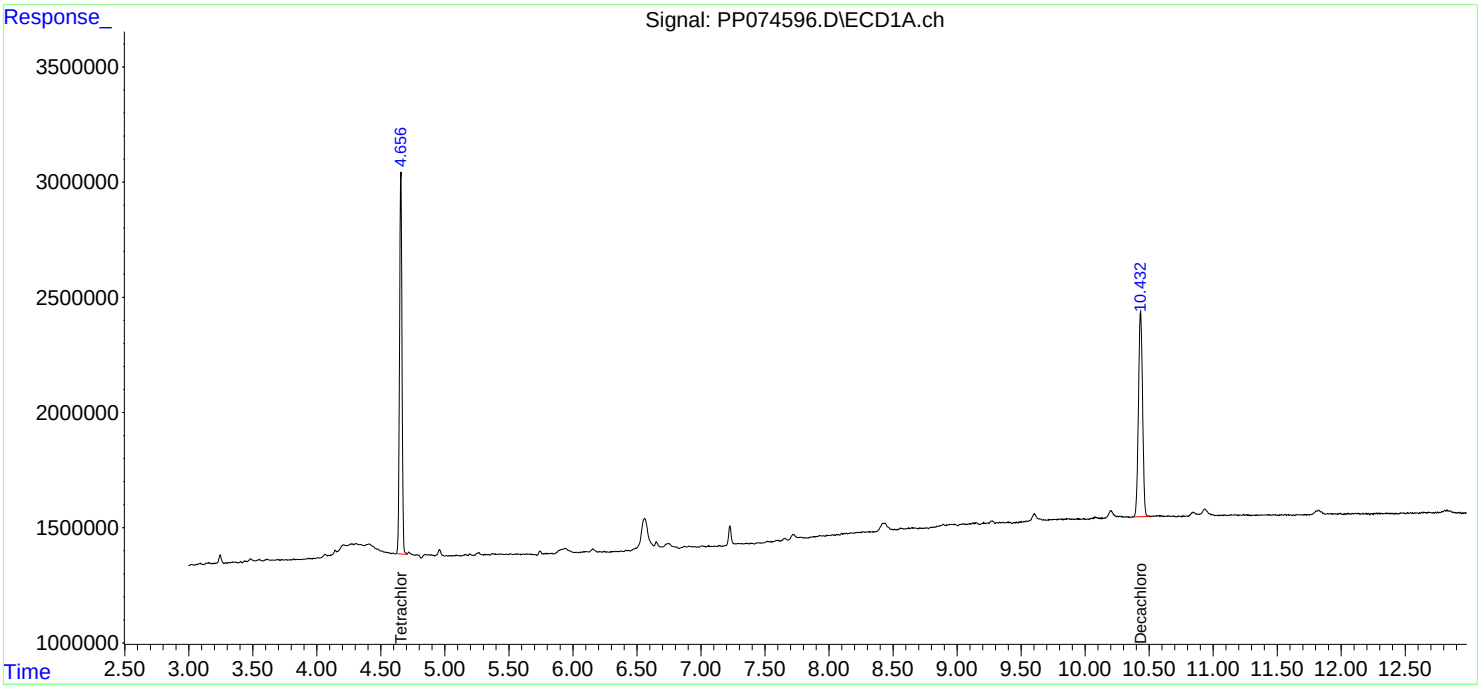
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

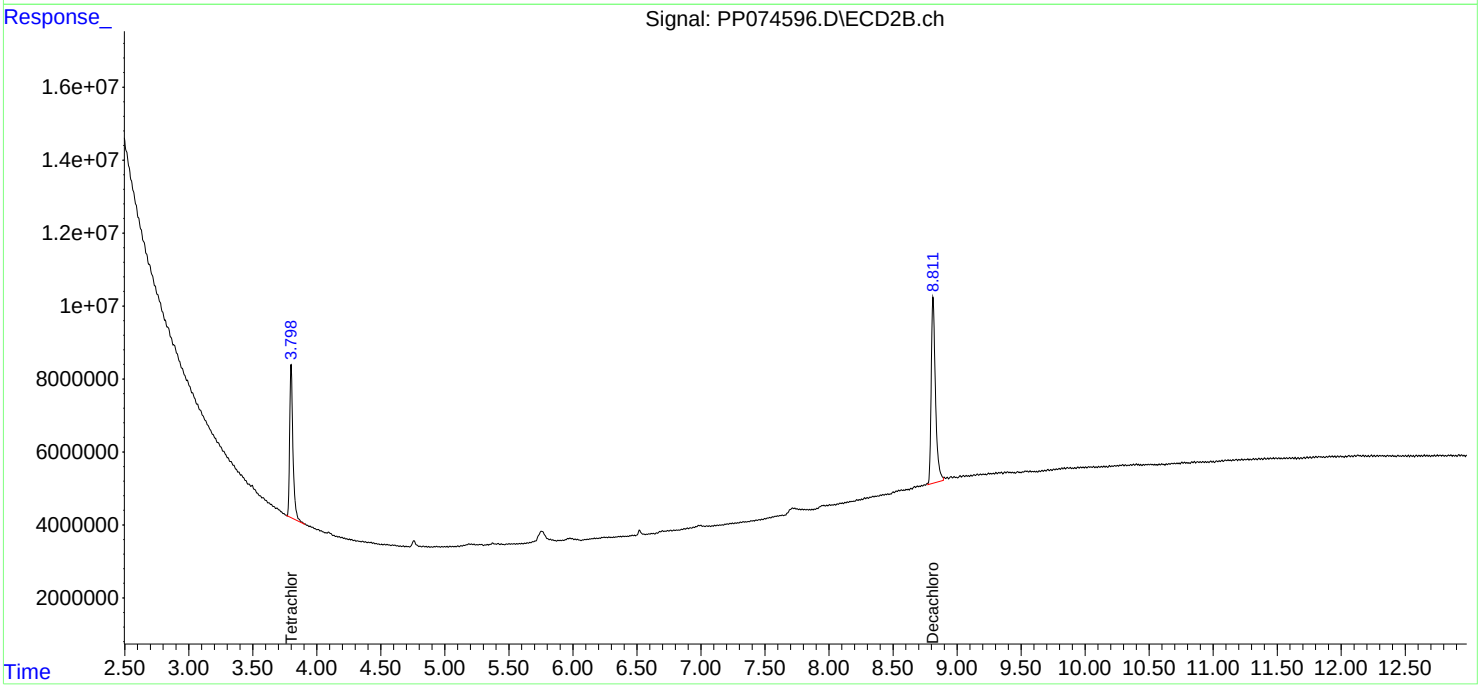
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 20:45
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

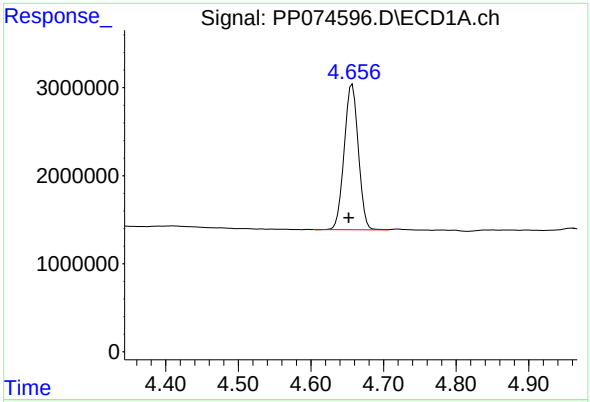
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:35:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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



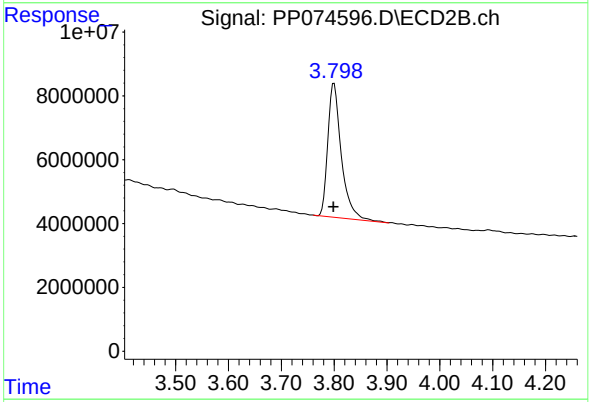




#1 Tetrachloro-m-xylene

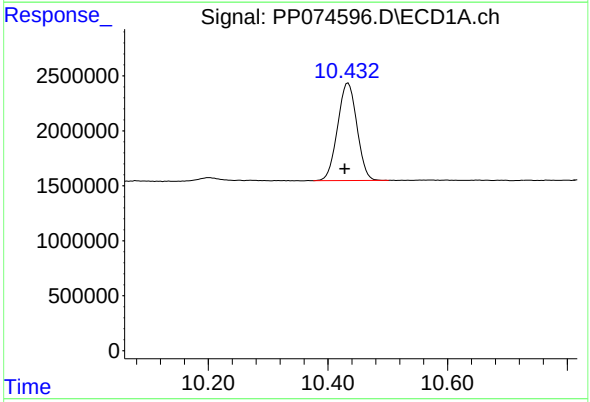
R.T.: 4.657 min
Delta R.T.: 0.005 min
Response: 22435476
Conc: 18.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



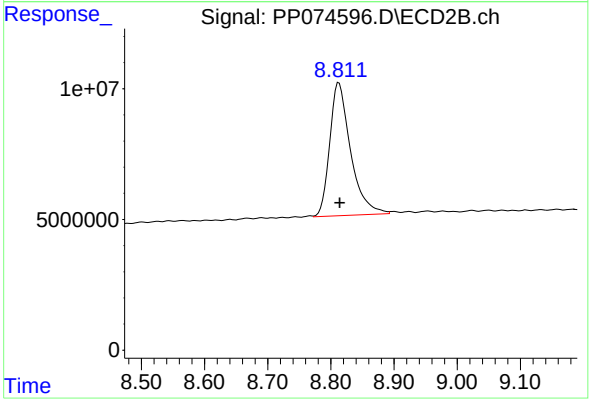
#1 Tetrachloro-m-xylene

R.T.: 3.800 min
Delta R.T.: 0.001 min
Response: 74933531
Conc: 15.50 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.434 min
Delta R.T.: 0.005 min
Response: 19894479
Conc: 20.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.813 min
Delta R.T.: -0.001 min
Response: 116918278
Conc: 15.59 ng/ml

Raw Data: **PP074611.D**

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

Report of Analysis

Client:	Hero Construction	Date Collected:	08/23/25
Project:	Residential Soil Testing	Date Received:	08/23/25
Client Sample ID:	PIBLK-PP074611.D	SDG No.:	Q2928
Lab Sample ID:	I.BLK-PP074611.D	Matrix:	WATER
Analytical Method:	8082A	% 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
PP074611.D	1		08/23/25	pp082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.2		60 - 140	76%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.8		60 - 140	69%	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\PP082225\
Data File : PP074611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Aug 2025 02:27
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: Aug 25 05:39:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.659	3.801	22085383	73325601	18.048	15.164
2)	SA Decachlor...	10.436	8.814	18756332	103.7E6	18.994	13.834 #
	Target Compounds						

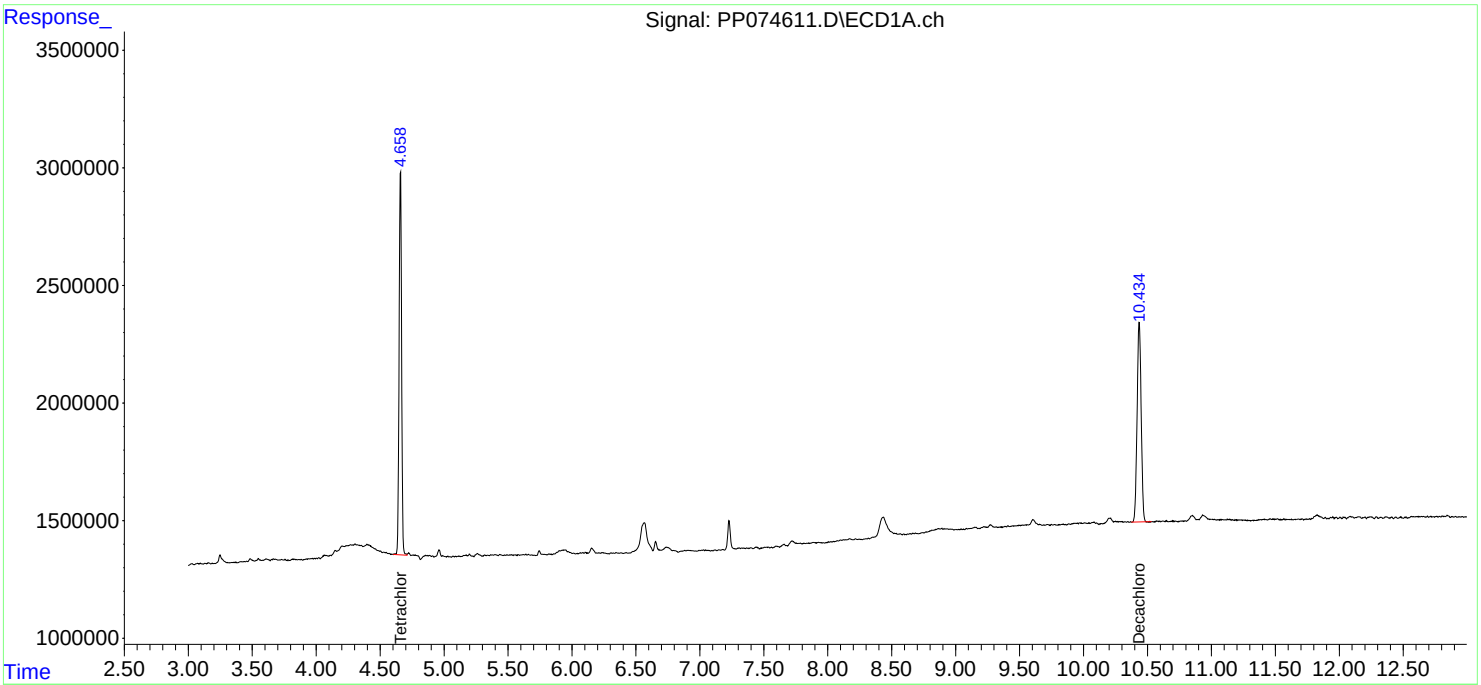
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

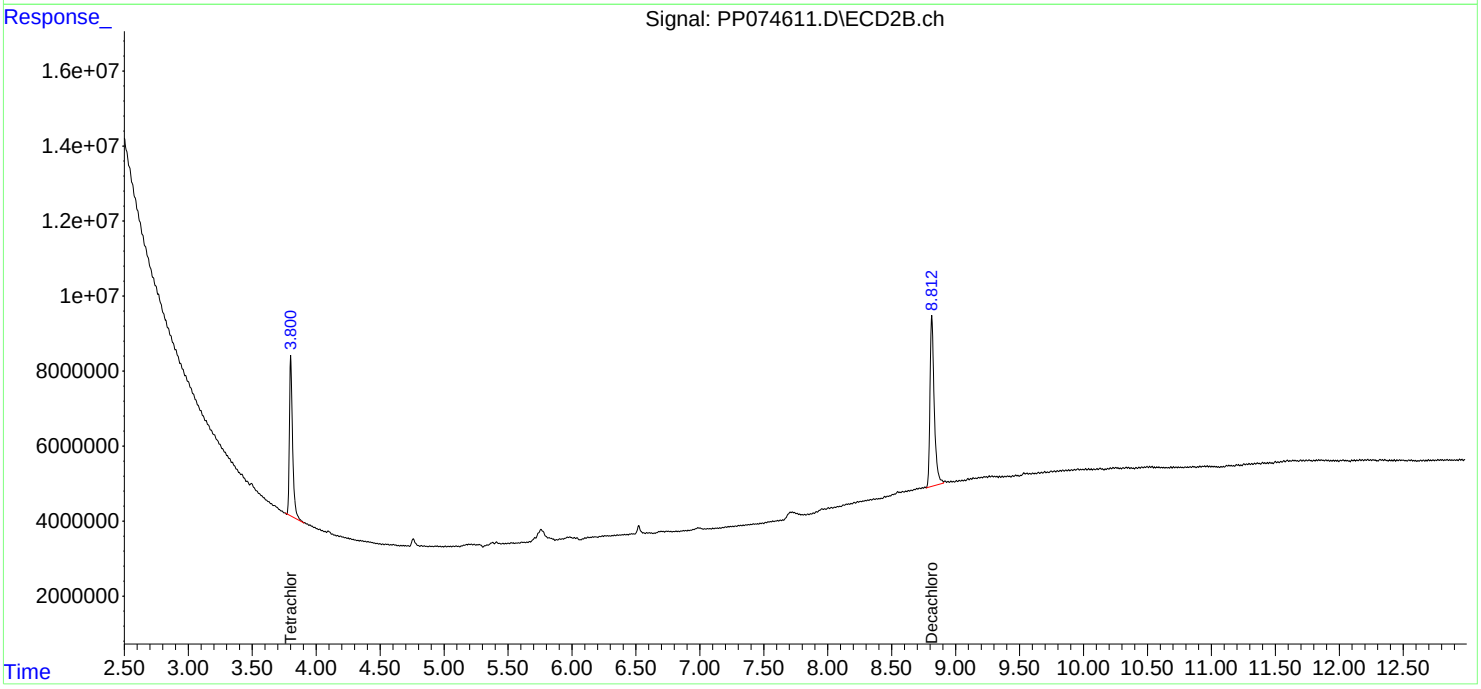
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Aug 2025 02:27
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

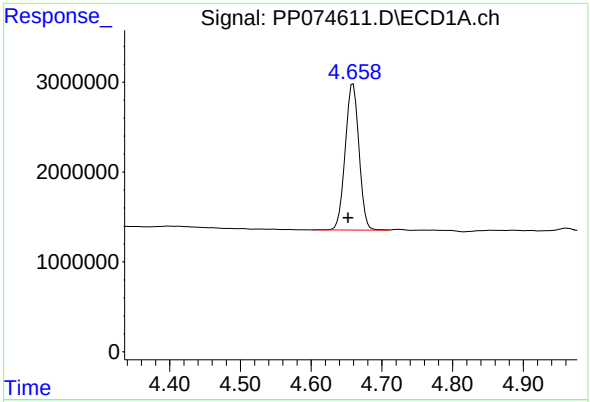
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:39:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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



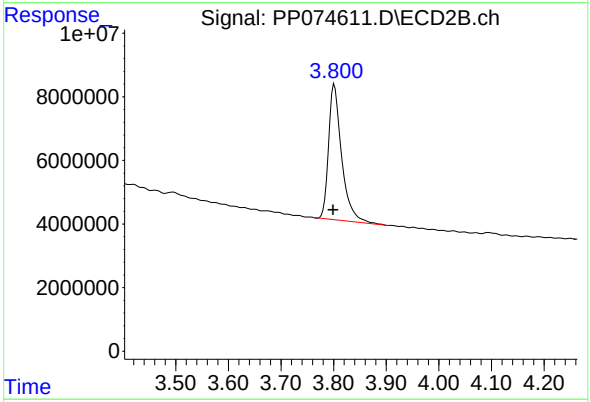




#1 Tetrachloro-m-xylene

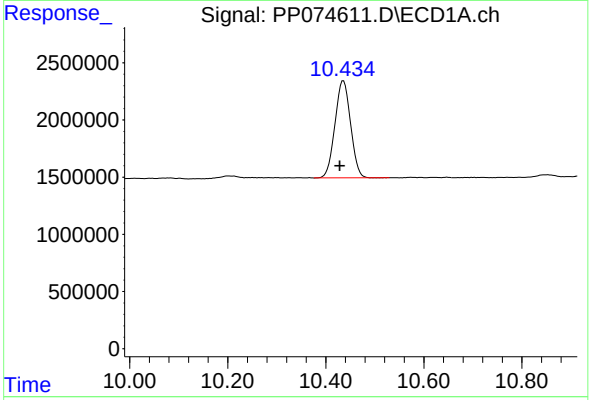
R.T.: 4.659 min
Delta R.T.: 0.007 min
Response: 22085383
Conc: 18.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



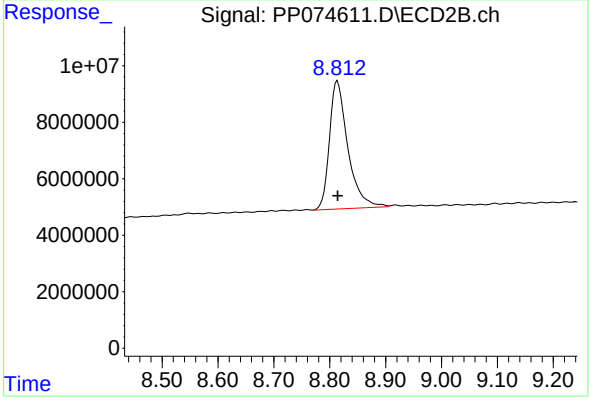
#1 Tetrachloro-m-xylene

R.T.: 3.801 min
Delta R.T.: 0.003 min
Response: 73325601
Conc: 15.16 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.436 min
Delta R.T.: 0.008 min
Response: 18756332
Conc: 18.99 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.814 min
Delta R.T.: 0.000 min
Response: 103742044
Conc: 13.83 ng/ml

Raw Data: **PP074583.D**

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

Report of Analysis

Client:	Hero Construction		Date Collected:		
Project:	Residential Soil Testing		Date Received:		
Client Sample ID:	PB169359BS		SDG No.:	Q2928	
Lab Sample ID:	PB169359BS		Matrix:	SOIL	
Analytical Method:	8082A		% 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
PP074583.D	1	08/22/25 10:20	08/22/25 15:52	PB169359

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	156		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	151		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.6		32 - 144	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.3		32 - 175	117%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 15:52
Operator : YP\AJ
Sample : PB169359BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB169359BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:31:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.658	3.801	26423859	90265300	21.594	18.668
2)	SA Decachlor...	10.436	8.813	23031743	140.0E6	23.323	18.672
	Target Compounds						
3)	L1 AR-1016-1	5.809	4.900	20629950	223.4E6	467.918	438.645
4)	L1 AR-1016-2	5.831	4.957	30531248	103.6E6	485.844	435.128
5)	L1 AR-1016-3	5.894	5.078	20188907	58930714	449.502	427.333
6)	L1 AR-1016-4	5.991	5.118	16510034	58134137	469.278	415.828
7)	L1 AR-1016-5	6.283	5.332	15808192	64755401	476.350	389.897
31)	L7 AR-1260-1	7.401	6.362	28134857	172.2E6	486.682	459.050
32)	L7 AR-1260-2	7.653	6.548	33022763	234.0E6	479.164	442.444
33)	L7 AR-1260-3	8.011	6.702	22465330	179.8E6	432.981	415.310
34)	L7 AR-1260-4	8.239	7.172	28447754	149.2E6	445.940m	391.150
35)	L7 AR-1260-5	8.565	7.411	48121342	386.5E6	424.305	384.748

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

Sample Results: **PP074583.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 15:52
Operator : YP\AJ
Sample : PB169359BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

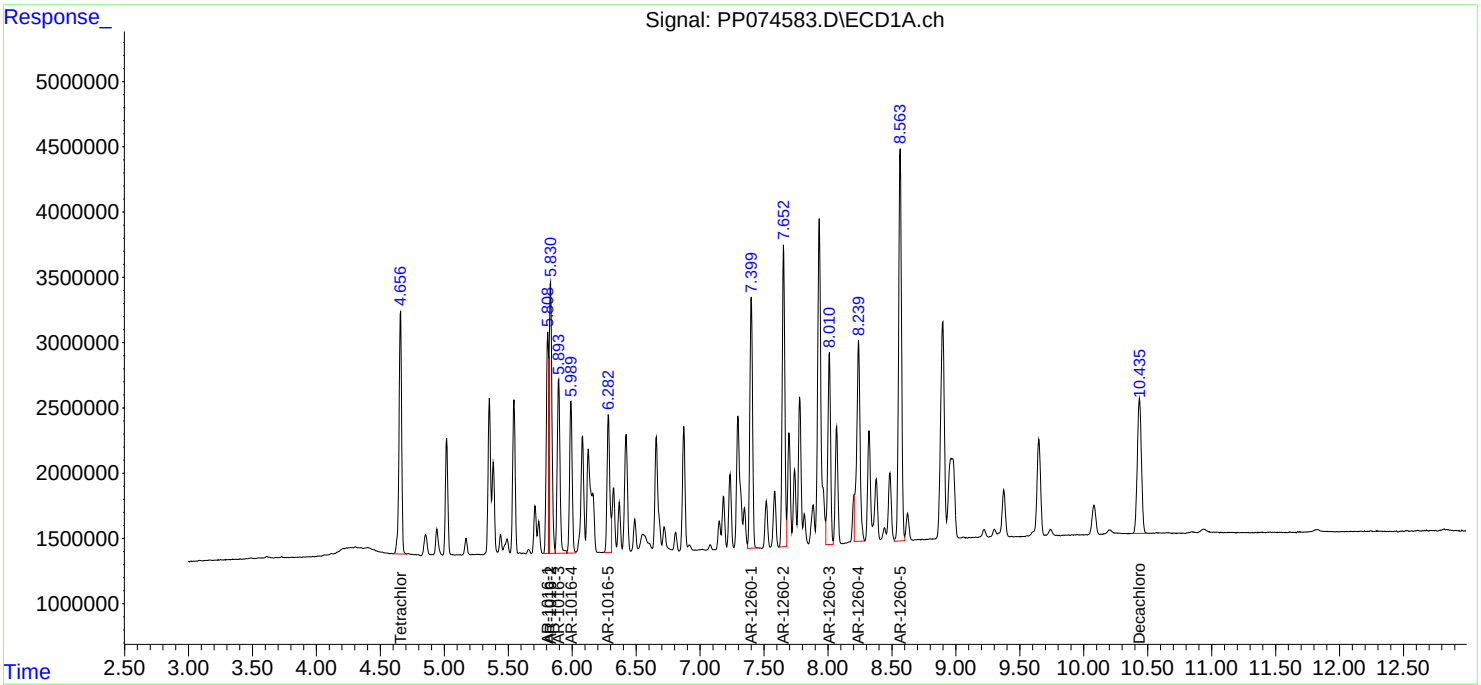
Instrument :
ECD_P
ClientSampleId :
PB169359BS

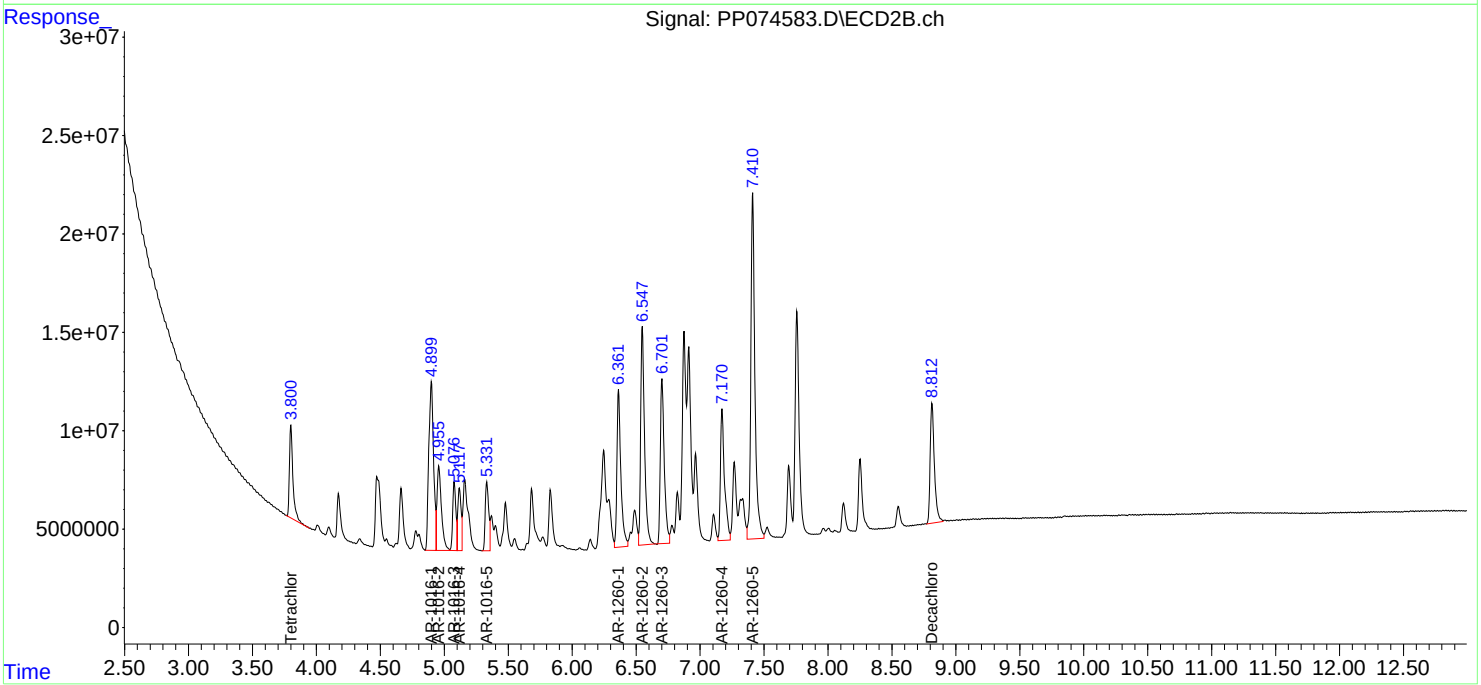
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:31:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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: **PP074599.D**

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

Report of Analysis

Client:	Hero Construction	Date Collected:	08/20/25
Project:	Residential Soil Testing	Date Received:	08/20/25
Client Sample ID:	BRIDGE-EASTMS	SDG No.:	Q2928
Lab Sample ID:	Q2915-03MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84.5 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074599.D	1	08/22/25 10:20	08/22/25 21:34	PB169359

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	188		4.70	20.1	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.1	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	20.1	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	20.1	ug/kg
12672-29-6	Aroclor-1248	7.00	U	7.00	20.1	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.1	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	20.1	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.1	ug/kg
11096-82-5	Aroclor-1260	169		3.80	20.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.5		32 - 144	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.2		32 - 175	96%	SPK: 20

Comments:

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

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

Sample Results: **PP074599.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 21:34
Operator : YP\AJ
Sample : Q2915-03MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
BRIDGE-EASTMS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:36:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.658	3.802	26310211	91908910	21.501	19.007
2)	SA Decachlor...	10.434	8.814	18915875	110.5E6	19.155	14.741
	Target Compounds						
3)	L1 AR-1016-1	5.810	4.901	20690658	245.9E6	469.295	482.801
4)	L1 AR-1016-2	5.831	4.958	30986045	119.2E6	493.081	500.679
5)	L1 AR-1016-3	5.894	5.079	20113509	65855467	447.823	477.547
6)	L1 AR-1016-4	5.991	5.120	17321146	64147353	492.332	458.840
7)	L1 AR-1016-5	6.284	5.334	16030953	73778123	483.063	444.223
31)	L7 AR-1260-1	7.401	6.363	26950627	170.7E6	466.197	455.040
32)	L7 AR-1260-2	7.654	6.549	31820516	235.4E6	461.719	445.087
33)	L7 AR-1260-3	8.011	6.703	21037413	174.3E6	405.460	402.527
34)	L7 AR-1260-4	8.238	7.173	26772125	143.2E6	419.673m	375.501
35)	L7 AR-1260-5	8.565	7.412	44055906	357.2E6	388.459	355.637

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

Sample Results: **PP074599.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 21:34
Operator : YP\AJ
Sample : Q2915-03MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

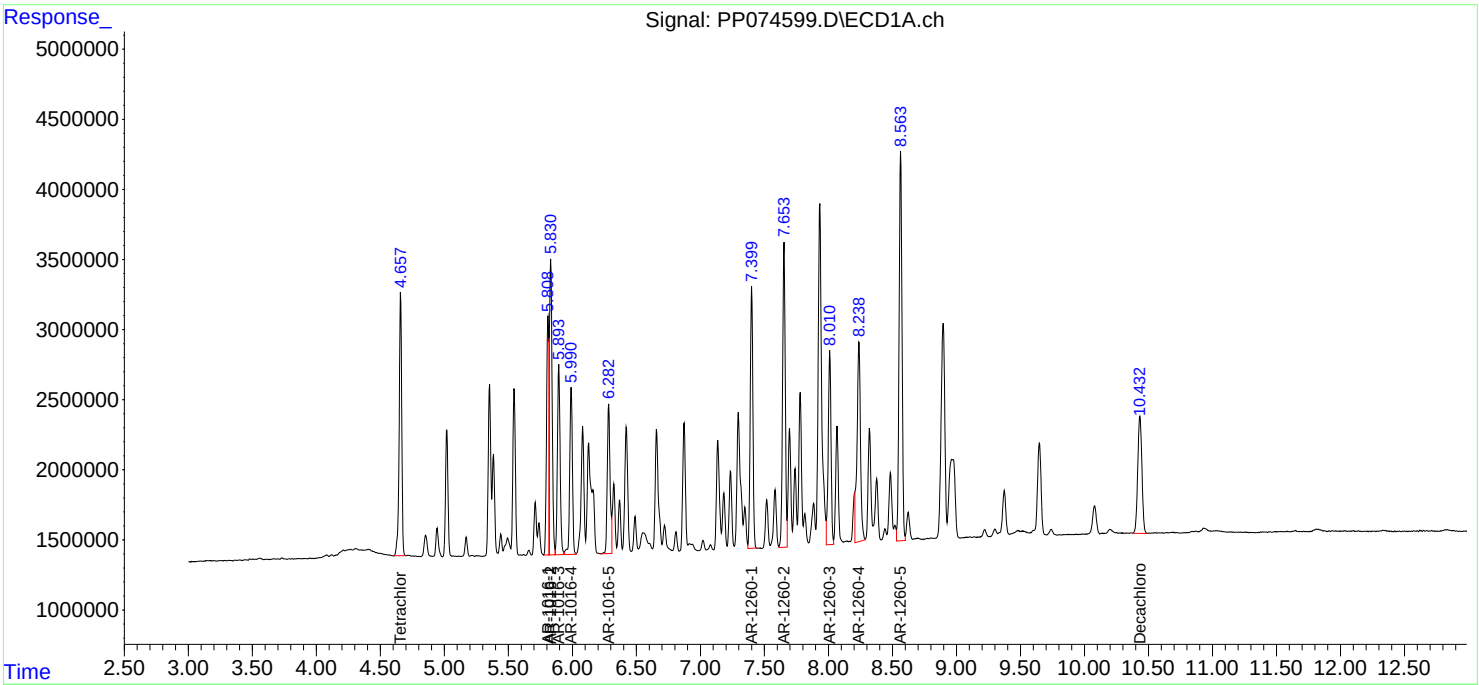
Instrument :
ECD_P
ClientSampleId :
BRIDGE-EASTMS

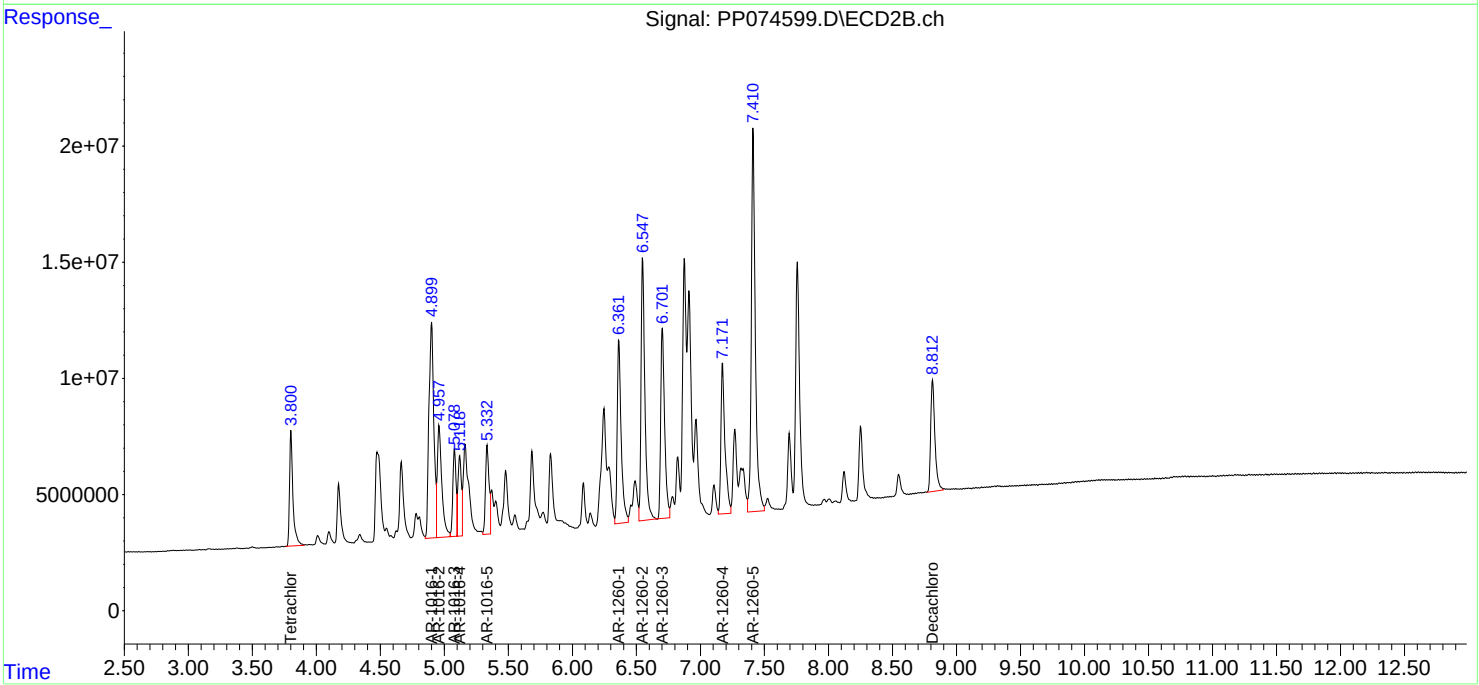
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:36:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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: **PP074600.D**

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

Report of Analysis

Client:	Hero Construction	Date Collected:	08/20/25
Project:	Residential Soil Testing	Date Received:	08/20/25
Client Sample ID:	BRIDGE-EASTMSD	SDG No.:	Q2928
Lab Sample ID:	Q2915-03MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84.5 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
PP074600.D	1	08/22/25 10:20	08/22/25 21:50	PB169359

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	193		4.70	20.1	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.1	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	20.1	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	20.1	ug/kg
12672-29-6	Aroclor-1248	7.00	U	7.00	20.1	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.1	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	20.1	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.1	ug/kg
11096-82-5	Aroclor-1260	176		3.80	20.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.5		32 - 144	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.4		32 - 175	97%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PP074600.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 21:50
Operator : YP\AJ
Sample : Q2915-03MSD
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
BRIDGE-EASTMSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:36:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.659	3.801	27495279	97639339	22.469	20.193
2)	SA Decachlor...	10.437	8.814	19127708	115.3E6	19.370	15.382
	Target Compounds						
3)	L1 AR-1016-1	5.811	4.901	21735050	258.4E6	492.983	507.403
4)	L1 AR-1016-2	5.832	4.958	31492898	119.6E6	501.147	502.361
5)	L1 AR-1016-3	5.895	5.079	20669855	68561128	460.210	497.167
6)	L1 AR-1016-4	5.992	5.119	17732309	66379676	504.019	474.808
7)	L1 AR-1016-5	6.285	5.334	16513924	75353127	497.616	453.707
31)	L7 AR-1260-1	7.402	6.363	28016735	174.9E6	484.639	466.192
32)	L7 AR-1260-2	7.654	6.549	33092488	240.9E6	480.176	455.537
33)	L7 AR-1260-3	8.012	6.703	21769115	182.6E6	419.562	421.787
34)	L7 AR-1260-4	8.239	7.173	28408407	148.2E6	445.323m	388.517
35)	L7 AR-1260-5	8.566	7.412	46203366	380.7E6	407.394	379.018

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

Sample Results: **PP074600.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 21:50
Operator : YP\AJ
Sample : Q2915-03MSD
Misc :
ALS Vial : 30 Sample Multiplier: 1

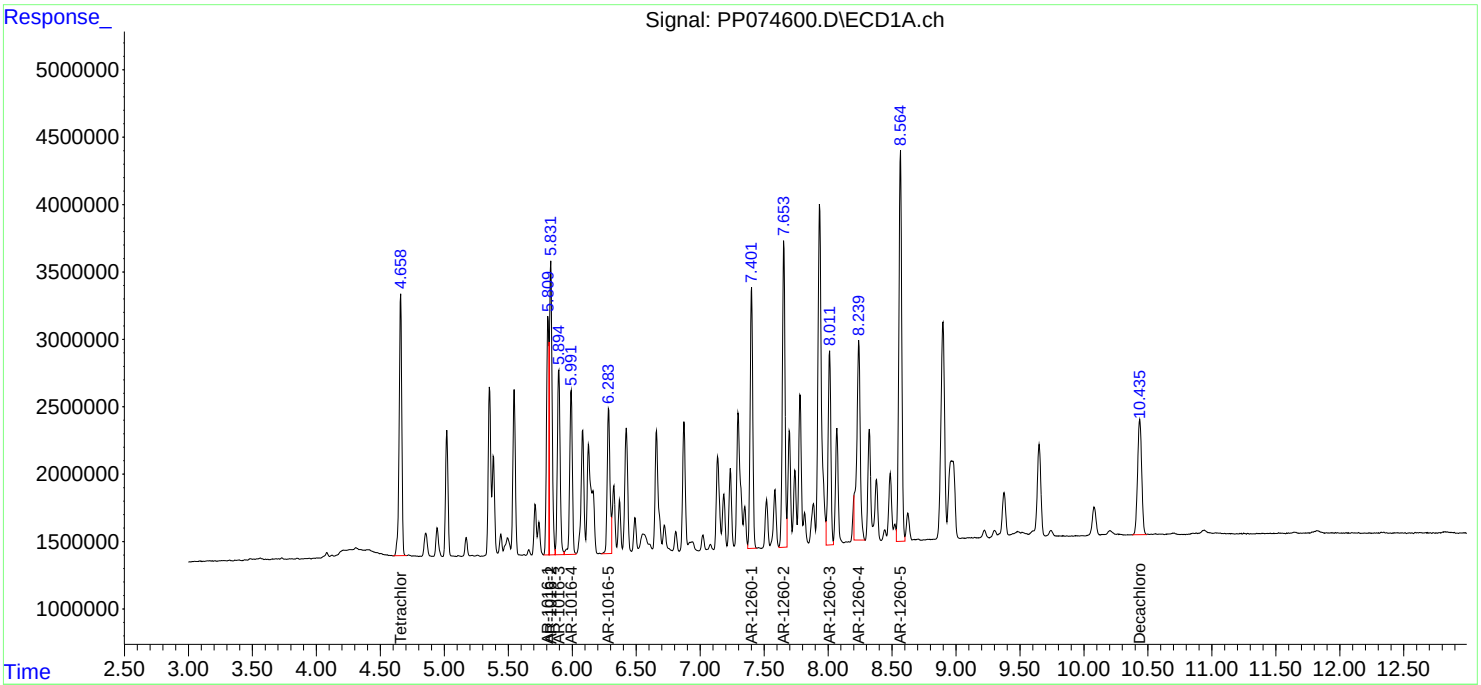
Instrument :
ECD_P
ClientSampleId :
BRIDGE-EASTMSD

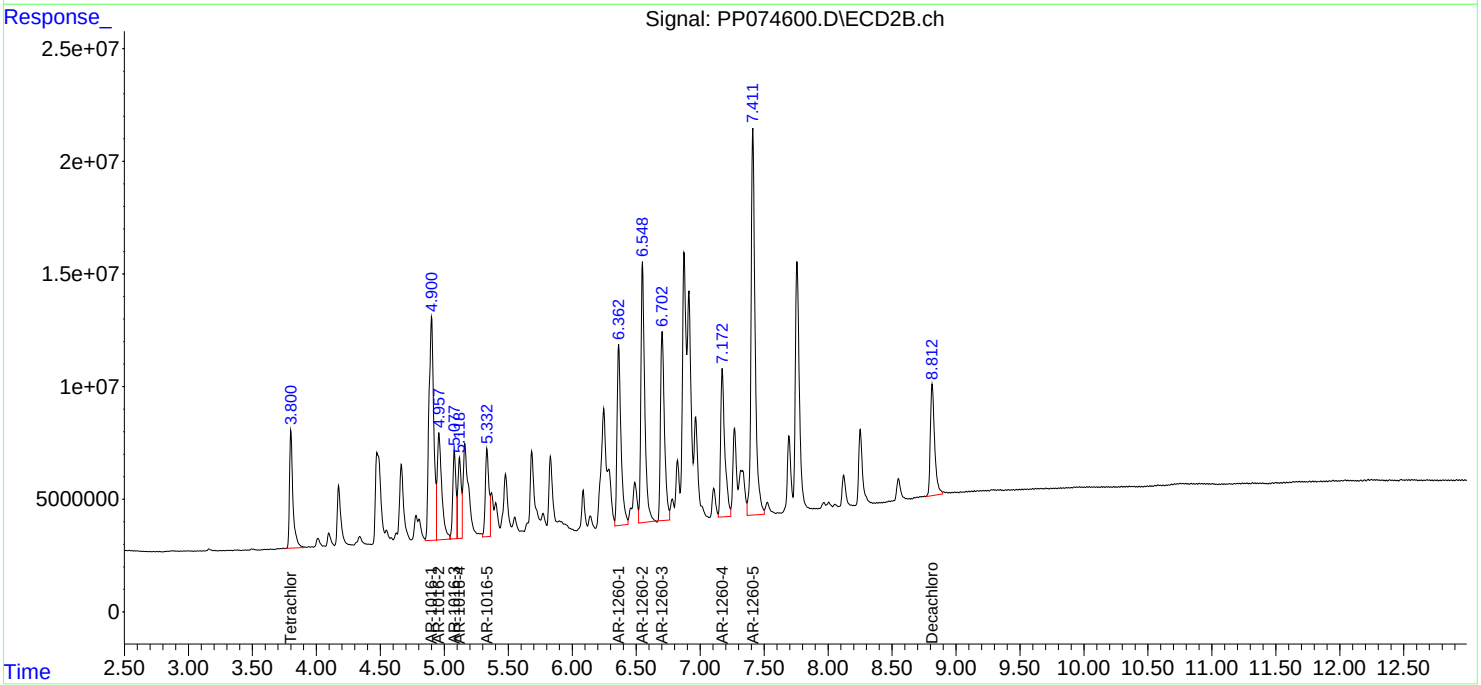
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:36:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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:	PP081925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP074495.D	AR-1016-1	yogesh	8/20/2025 8:01:00 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1660ICC050	PP074495.D	AR-1016-2	yogesh	8/20/2025 8:01:00 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1660ICC050	PP074495.D	AR-1016-3	yogesh	8/20/2025 8:01:00 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1660ICC050	PP074495.D	AR-1016-4	yogesh	8/20/2025 8:01:00 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1660ICC050	PP074495.D	AR-1260-3	yogesh	8/20/2025 8:01:00 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1660ICC050	PP074495.D	AR-1260-4	yogesh	8/20/2025 8:01:00 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1660ICC050	PP074495.D	AR-1260-4 #2	yogesh	8/20/2025 8:01:00 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1660ICC050	PP074495.D	AR-1260-5 #2	yogesh	8/20/2025 8:01:00 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1232ICC500	PP074497.D	AR-1232-4 #2	yogesh	8/20/2025 8:01:58 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICC1000	PP074498.D	AR-1242-4 #2	yogesh	8/20/2025 8:01:02 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICC750	PP074499.D	AR-1242-4 #2	yogesh	8/20/2025 8:01:03 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICC500	PP074500.D	AR-1242-4 #2	yogesh	8/20/2025 8:01:05 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICC250	PP074501.D	AR-1242-4 #2	yogesh	8/20/2025 8:01:08 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP081925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PP074502.D	AR-1242-1	yogesh	8/20/2025 8:01:10 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICC050	PP074502.D	AR-1242-2	yogesh	8/20/2025 8:01:10 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICC050	PP074502.D	AR-1242-3	yogesh	8/20/2025 8:01:10 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICC050	PP074502.D	AR-1242-4	yogesh	8/20/2025 8:01:10 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICC050	PP074502.D	AR-1242-4 #2	yogesh	8/20/2025 8:01:10 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICC050	PP074502.D	AR-1242-5	yogesh	8/20/2025 8:01:10 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1248ICC1000	PP074503.D	AR-1248-3 #2	yogesh	8/20/2025 8:01:12 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1248ICC750	PP074504.D	AR-1248-3 #2	yogesh	8/20/2025 8:01:14 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1248ICC500	PP074505.D	AR-1248-3 #2	yogesh	8/20/2025 8:01:16 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1248ICC250	PP074506.D	AR-1248-3 #2	yogesh	8/20/2025 8:01:18 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1248ICC050	PP074507.D	AR-1248-2	yogesh	8/20/2025 8:01:20 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1248ICC050	PP074507.D	AR-1248-5	yogesh	8/20/2025 8:01:20 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1248ICC050	PP074507.D	AR-1248-5 #2	yogesh	8/20/2025 8:01:20 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP081925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC1000	PP074508.D	AR-1254-1	yogesh	8/20/2025 8:01:25 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1254ICC1000	PP074508.D	AR-1254-5 #2	yogesh	8/20/2025 8:01:25 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1254ICC750	PP074509.D	AR-1254-1	yogesh	8/20/2025 8:01:23 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1254ICC750	PP074509.D	AR-1254-5 #2	yogesh	8/20/2025 8:01:23 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1254ICC500	PP074510.D	AR-1254-1	yogesh	8/20/2025 8:01:31 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1254ICC250	PP074511.D	AR-1254-1	yogesh	8/20/2025 8:01:33 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1254ICC050	PP074512.D	AR-1254-1	yogesh	8/20/2025 8:01:34 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1254ICC050	PP074512.D	AR-1254-3	yogesh	8/20/2025 8:01:34 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1268ICC050	PP074518.D	Tetrachloro-m-xylene #2	yogesh	8/20/2025 8:01:36 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICV500	PP074520.D	AR-1242-4 #2	yogesh	8/20/2025 8:01:38 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICV500	PP074520.D	AR-1242-5 #2	yogesh	8/20/2025 8:01:38 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1248ICV500	PP074521.D	AR-1248-3 #2	yogesh	8/20/2025 8:01:40 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1254ICV500	PP074522.D	AR-1254-1	yogesh	8/20/2025 8:01:41 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP081925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	pp082225	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP074563.D	AR-1242-4 #2	yogesh	8/25/2025 8:12:27 AM			Peak Integrated by Software
AR1248CCC500	PP074564.D	AR-1248-3 #2	yogesh	8/25/2025 8:12:30 AM			Peak Integrated by Software
AR1254CCC500	PP074565.D	AR-1254-1	yogesh	8/25/2025 8:12:32 AM			Peak Integrated by Software
AR1242CCC500	PP074578.D	AR-1242-4 #2	yogesh	8/25/2025 8:12:41 AM			Peak Integrated by Software
AR1248CCC500	PP074579.D	AR-1248-3 #2	yogesh	8/25/2025 8:12:43 AM			Peak Integrated by Software
AR1254CCC500	PP074580.D	AR-1254-1	yogesh	8/25/2025 8:12:45 AM			Peak Integrated by Software
PB169359BS	PP074583.D	AR-1260-4	yogesh	8/25/2025 8:12:47 AM			Peak Integrated by Software
AR1242CCC500	PP074593.D	AR-1242-4 #2	yogesh	8/25/2025 8:12:54 AM			Peak Integrated by Software
AR1248CCC500	PP074594.D	AR-1248-3 #2	yogesh	8/25/2025 8:12:56 AM			Peak Integrated by Software
AR1254CCC500	PP074595.D	AR-1254-1	yogesh	8/25/2025 8:12:57 AM			Peak Integrated by Software
Q2915-03MS	PP074599.D	AR-1260-4	yogesh	8/25/2025 8:13:01 AM			Peak Integrated by Software
Q2915-03MSD	PP074600.D	AR-1260-4	yogesh	8/25/2025 8:13:03 AM			Peak Integrated by Software
AR1242CCC500	PP074608.D	AR-1242-4 #2	yogesh	8/25/2025 8:13:08 AM			Peak Integrated by Software

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Manual Integration Report

Sequence:	pp082225	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PP074609.D	AR-1248-3 #2	yogesh	8/25/2025 8:13:10 AM			Peak Integrated by Software
AR1254CCC500	PP074610.D	AR-1254-1	yogesh	8/25/2025 8:13:12 AM			Peak Integrated by Software
AR1242CCC500	PP074620.D	AR-1242-4 #2	yogesh	8/25/2025 8:13:20 AM			Peak Integrated by Software
AR1248CCC500	PP074621.D	AR-1248-3 #2	yogesh	8/25/2025 8:13:23 AM			Peak Integrated by Software
AR1254CCC500	PP074622.D	AR-1254-1	yogesh	8/25/2025 8:13:25 AM			Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081925

Review By	yogesh	Review On	8/19/2025 10:38:23 AM		
Supervise By	mohammad	Supervise On	8/21/2025 1:31:42 AM		
SubDirectory	PP081925	HP Acquire Method		HP Processing Method	PP081925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP2416,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829, PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844 ,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP074489.D	19 Aug 2025 09:30	YP\AJ	Ok
2	I.BLK	PP074490.D	19 Aug 2025 09:46	YP\AJ	Ok
3	AR1660ICC1000	PP074491.D	19 Aug 2025 10:02	YP\AJ	Ok
4	AR1660ICC750	PP074492.D	19 Aug 2025 10:18	YP\AJ	Ok
5	AR1660ICC500	PP074493.D	19 Aug 2025 10:34	YP\AJ	Ok
6	AR1660ICC250	PP074494.D	19 Aug 2025 10:51	YP\AJ	Ok
7	AR1660ICC050	PP074495.D	19 Aug 2025 11:07	YP\AJ	Ok,M
8	AR1221ICC500	PP074496.D	19 Aug 2025 11:23	YP\AJ	Ok
9	AR1232ICC500	PP074497.D	19 Aug 2025 11:39	YP\AJ	Ok,M
10	AR1242ICC1000	PP074498.D	19 Aug 2025 11:55	YP\AJ	Ok,M
11	AR1242ICC750	PP074499.D	19 Aug 2025 12:12	YP\AJ	Ok,M
12	AR1242ICC500	PP074500.D	19 Aug 2025 12:28	YP\AJ	Ok,M
13	AR1242ICC250	PP074501.D	19 Aug 2025 12:44	YP\AJ	Ok,M
14	AR1242ICC050	PP074502.D	19 Aug 2025 13:00	YP\AJ	Ok,M
15	AR1248ICC1000	PP074503.D	19 Aug 2025 13:16	YP\AJ	Ok,M
16	AR1248ICC750	PP074504.D	19 Aug 2025 13:33	YP\AJ	Ok,M
17	AR1248ICC500	PP074505.D	19 Aug 2025 13:49	YP\AJ	Ok,M
18	AR1248ICC250	PP074506.D	19 Aug 2025 14:05	YP\AJ	Ok,M
19	AR1248ICC050	PP074507.D	19 Aug 2025 14:21	YP\AJ	Ok,M
20	AR1254ICC1000	PP074508.D	19 Aug 2025 14:37	YP\AJ	Ok,M
21	AR1254ICC750	PP074509.D	19 Aug 2025 14:53	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081925

Review By	yogesh	Review On	8/19/2025 10:38:23 AM		
Supervise By	mohammad	Supervise On	8/21/2025 1:31:42 AM		
SubDirectory	PP081925	HP Acquire Method		HP Processing Method	PP081925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP2416,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829, PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844 ,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PP074510.D	19 Aug 2025 15:10	YP\AJ	Ok,M
23	AR1254ICC250	PP074511.D	19 Aug 2025 15:42	YP\AJ	Ok,M
24	AR1254ICC050	PP074512.D	19 Aug 2025 15:58	YP\AJ	Ok,M
25	AR1262ICC500	PP074513.D	19 Aug 2025 16:14	YP\AJ	Ok
26	AR1268ICC1000	PP074514.D	19 Aug 2025 16:31	YP\AJ	Ok
27	AR1268ICC750	PP074515.D	19 Aug 2025 16:47	YP\AJ	Ok
28	AR1268ICC500	PP074516.D	19 Aug 2025 17:03	YP\AJ	Ok
29	AR1268ICC250	PP074517.D	19 Aug 2025 17:19	YP\AJ	Ok
30	AR1268ICC050	PP074518.D	19 Aug 2025 17:36	YP\AJ	Ok,M
31	PP081925ICV500	PP074519.D	19 Aug 2025 17:52	YP\AJ	Ok
32	AR1242ICV500	PP074520.D	19 Aug 2025 19:13	YP\AJ	Ok,M
33	AR1248ICV500	PP074521.D	19 Aug 2025 19:29	YP\AJ	Ok,M
34	AR1254ICV500	PP074522.D	19 Aug 2025 20:18	YP\AJ	Ok,M
35	AR1268ICV500	PP074523.D	19 Aug 2025 21:07	YP\AJ	Ok
36	DDT ANALOG	PP074524.D	19 Aug 2025 21:55	YP\AJ	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP082225

Review By	yogesh	Review On	8/22/2025 9:50:46 AM		
Supervise By		Supervise On			
SubDirectory	PP082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP2484 4,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP074561.D	22 Aug 2025 08:34	YP\AJ	Ok
2	AR1660CCC500	PP074562.D	22 Aug 2025 08:50	YP\AJ	Ok
3	AR1242CCC500	PP074563.D	22 Aug 2025 09:06	YP\AJ	Ok,NS
4	AR1248CCC500	PP074564.D	22 Aug 2025 09:23	YP\AJ	Ok,NS
5	AR1254CCC500	PP074565.D	22 Aug 2025 09:39	YP\AJ	Ok,NS
6	I.BLK	PP074566.D	22 Aug 2025 09:55	YP\AJ	Ok
7	DDT ANALOG	PP074567.D	22 Aug 2025 10:11	YP\AJ	Ok
8	Q2922-11DL	PP074568.D	22 Aug 2025 10:28	YP\AJ	Ok,NR
9	Q2922-14DL	PP074569.D	22 Aug 2025 10:44	YP\AJ	Ok
10	Q2922-17DL	PP074570.D	22 Aug 2025 11:00	YP\AJ	Ok
11	Q2922-20DL	PP074571.D	22 Aug 2025 11:16	YP\AJ	Ok,NS
12	Q2923-12DL	PP074572.D	22 Aug 2025 11:32	YP\AJ	Ok
13	PB169353BL	PP074573.D	22 Aug 2025 12:21	YP\AJ	Ok
14	PB169353BS	PP074574.D	22 Aug 2025 12:37	YP\AJ	Ok,NS
15	Q2911-01	PP074575.D	22 Aug 2025 12:53	YP\AJ	Dilution
16	Q2911-02	PP074576.D	22 Aug 2025 13:10	YP\AJ	Dilution
17	AR1660CCC500	PP074577.D	22 Aug 2025 14:14	YP\AJ	Ok
18	AR1242CCC500	PP074578.D	22 Aug 2025 14:31	YP\AJ	Ok,NS
19	AR1248CCC500	PP074579.D	22 Aug 2025 14:47	YP\AJ	Ok,NS
20	AR1254CCC500	PP074580.D	22 Aug 2025 15:03	YP\AJ	Ok,NS
21	I.BLK	PP074581.D	22 Aug 2025 15:19	YP\AJ	Ok

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Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP082225

Review By	yogesh	Review On	8/22/2025 9:50:46 AM		
Supervise By		Supervise On			
SubDirectory	PP082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB169359BL	PP074582.D	22 Aug 2025 15:36	YP\AJ	Ok
23	PB169359BS	PP074583.D	22 Aug 2025 15:52	YP\AJ	Ok,NS
24	Q2911-13	PP074584.D	22 Aug 2025 16:08	YP\AJ	Ok,NS
25	Q2911-14	PP074585.D	22 Aug 2025 16:24	YP\AJ	Ok,NS
26	Q2911-15	PP074586.D	22 Aug 2025 16:41	YP\AJ	Ok
27	Q2911-16	PP074587.D	22 Aug 2025 16:57	YP\AJ	Dilution
28	Q2911-17	PP074588.D	22 Aug 2025 17:13	YP\AJ	Ok
29	Q2911-18	PP074589.D	22 Aug 2025 17:30	YP\AJ	Ok
30	Q2923-16	PP074590.D	22 Aug 2025 17:46	YP\AJ	Ok,NS
31	Q2909-01	PP074591.D	22 Aug 2025 18:02	YP\AJ	Ok
32	AR1660CCC500	PP074592.D	22 Aug 2025 19:07	YP\AJ	Ok
33	AR1242CCC500	PP074593.D	22 Aug 2025 19:56	YP\AJ	Ok,NS
34	AR1248CCC500	PP074594.D	22 Aug 2025 20:12	YP\AJ	Ok,NS
35	AR1254CCC500	PP074595.D	22 Aug 2025 20:29	YP\AJ	Ok,NS
36	I.BLK	PP074596.D	22 Aug 2025 20:45	YP\AJ	Ok
37	Q2915-01	PP074597.D	22 Aug 2025 21:01	YP\AJ	Ok
38	Q2915-03	PP074598.D	22 Aug 2025 21:17	YP\AJ	Ok
39	Q2915-03MS	PP074599.D	22 Aug 2025 21:34	YP\AJ	Ok,NS
40	Q2915-03MSD	PP074600.D	22 Aug 2025 21:50	YP\AJ	Ok,NS
41	Q2916-01	PP074601.D	22 Aug 2025 22:06	YP\AJ	Ok
42	Q2917-01	PP074602.D	22 Aug 2025 22:23	YP\AJ	Ok
43	Q2919-01	PP074603.D	22 Aug 2025 22:39	YP\AJ	Ok,NS
44	Q2926-01	PP074604.D	22 Aug 2025 22:55	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP082225

Review By	yogesh	Review On	8/22/2025 9:50:46 AM		
Supervise By		Supervise On			
SubDirectory	PP082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q2928-01	PP074605.D	22 Aug 2025 23:11	YP\AJ	Ok
46	Q2932-01	PP074606.D	22 Aug 2025 23:28	YP\AJ	Ok
47	AR1660CCC500	PP074607.D	23 Aug 2025 01:22	YP\AJ	Ok
48	AR1242CCC500	PP074608.D	23 Aug 2025 01:38	YP\AJ	Ok,NS
49	AR1248CCC500	PP074609.D	23 Aug 2025 01:54	YP\AJ	Ok,NS
50	AR1254CCC500	PP074610.D	23 Aug 2025 02:10	YP\AJ	Ok,NS
51	I.BLK	PP074611.D	23 Aug 2025 02:27	YP\AJ	Ok
52	PB169361BL	PP074612.D	23 Aug 2025 02:43	YP\AJ	Ok
53	PB169361BS	PP074613.D	23 Aug 2025 02:59	YP\AJ	Ok,NS
54	PB169361BSD	PP074614.D	23 Aug 2025 03:16	YP\AJ	Ok
55	Q2934-03	PP074615.D	23 Aug 2025 03:32	YP\AJ	Ok,NS
56	Q2934-04	PP074616.D	23 Aug 2025 03:48	YP\AJ	Ok,NS
57	Q2911-01DL	PP074617.D	23 Aug 2025 04:04	YP\AJ	Ok,NS
58	Q2911-02DL	PP074618.D	23 Aug 2025 04:21	YP\AJ	Ok
59	AR1660CCC500	PP074619.D	23 Aug 2025 05:26	YP\AJ	Ok
60	AR1242CCC500	PP074620.D	23 Aug 2025 06:31	YP\AJ	Ok,NS
61	AR1248CCC500	PP074621.D	23 Aug 2025 06:47	YP\AJ	Ok,NS
62	AR1254CCC500	PP074622.D	23 Aug 2025 07:03	YP\AJ	Ok,NS
63	I.BLK	PP074623.D	23 Aug 2025 07:20	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081925

Review By	yogesh	Review On	8/19/2025 10:38:23 AM		
Supervise By	mohammad	Supervise On	8/21/2025 1:31:42 AM		
SubDirectory	PP081925	HP Acquire Method		HP Processing Method	PP081925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP2416,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP074489.D	19 Aug 2025 09:30		YP\AJ	Ok
2	I.BLK	I.BLK	PP074490.D	19 Aug 2025 09:46		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP074491.D	19 Aug 2025 10:02		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP074492.D	19 Aug 2025 10:18		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP074493.D	19 Aug 2025 10:34		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP074494.D	19 Aug 2025 10:51		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP074495.D	19 Aug 2025 11:07		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP074496.D	19 Aug 2025 11:23		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP074497.D	19 Aug 2025 11:39		YP\AJ	Ok,M
10	AR1242ICC1000	AR1242ICC1000	PP074498.D	19 Aug 2025 11:55		YP\AJ	Ok,M
11	AR1242ICC750	AR1242ICC750	PP074499.D	19 Aug 2025 12:12		YP\AJ	Ok,M
12	AR1242ICC500	AR1242ICC500	PP074500.D	19 Aug 2025 12:28		YP\AJ	Ok,M
13	AR1242ICC250	AR1242ICC250	PP074501.D	19 Aug 2025 12:44		YP\AJ	Ok,M
14	AR1242ICC050	AR1242ICC050	PP074502.D	19 Aug 2025 13:00		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP074503.D	19 Aug 2025 13:16		YP\AJ	Ok,M
16	AR1248ICC750	AR1248ICC750	PP074504.D	19 Aug 2025 13:33		YP\AJ	Ok,M
17	AR1248ICC500	AR1248ICC500	PP074505.D	19 Aug 2025 13:49		YP\AJ	Ok,M
18	AR1248ICC250	AR1248ICC250	PP074506.D	19 Aug 2025 14:05		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081925

Review By	yogesh	Review On	8/19/2025 10:38:23 AM		
Supervise By	mohammad	Supervise On	8/21/2025 1:31:42 AM		
SubDirectory	PP081925	HP Acquire Method		HP Processing Method	PP081925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP2416,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PP074507.D	19 Aug 2025 14:21		YP\AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PP074508.D	19 Aug 2025 14:37		YP\AJ	Ok,M
21	AR1254ICC750	AR1254ICC750	PP074509.D	19 Aug 2025 14:53		YP\AJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP074510.D	19 Aug 2025 15:10		YP\AJ	Ok,M
23	AR1254ICC250	AR1254ICC250	PP074511.D	19 Aug 2025 15:42		YP\AJ	Ok,M
24	AR1254ICC050	AR1254ICC050	PP074512.D	19 Aug 2025 15:58		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP074513.D	19 Aug 2025 16:14		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP074514.D	19 Aug 2025 16:31		YP\AJ	Ok
27	AR1268ICC750	AR1268ICC750	PP074515.D	19 Aug 2025 16:47		YP\AJ	Ok
28	AR1268ICC500	AR1268ICC500	PP074516.D	19 Aug 2025 17:03		YP\AJ	Ok
29	AR1268ICC250	AR1268ICC250	PP074517.D	19 Aug 2025 17:19		YP\AJ	Ok
30	AR1268ICC050	AR1268ICC050	PP074518.D	19 Aug 2025 17:36		YP\AJ	Ok,M
31	PP081925ICV500	ICVPP081925	PP074519.D	19 Aug 2025 17:52		YP\AJ	Ok
32	AR1242ICV500	ICVPP081925AR1242	PP074520.D	19 Aug 2025 19:13		YP\AJ	Ok,M
33	AR1248ICV500	ICVPP081925AR1248	PP074521.D	19 Aug 2025 19:29		YP\AJ	Ok,M
34	AR1254ICV500	ICVPP081925AR1254	PP074522.D	19 Aug 2025 20:18		YP\AJ	Ok,M
35	AR1268ICV500	ICVPP081925AR1268	PP074523.D	19 Aug 2025 21:07		YP\AJ	Ok
36	DDT ANALOG	DDT ANALOG	PP074524.D	19 Aug 2025 21:55		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP082225

Review By	yogesh	Review On	8/22/2025 9:50:46 AM		
Supervise By		Supervise On			
SubDirectory	PP082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP074561.D	22 Aug 2025 08:34		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP074562.D	22 Aug 2025 08:50		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP074563.D	22 Aug 2025 09:06		YP\AJ	Ok,NS
4	AR1248CCC500	AR1248CCC500	PP074564.D	22 Aug 2025 09:23		YP\AJ	Ok,NS
5	AR1254CCC500	AR1254CCC500	PP074565.D	22 Aug 2025 09:39		YP\AJ	Ok,NS
6	I.BLK	I.BLK	PP074566.D	22 Aug 2025 09:55		YP\AJ	Ok
7	DDT ANALOG	DDT ANALOG	PP074567.D	22 Aug 2025 10:11		YP\AJ	Ok
8	Q2922-11DL	K262-19ADL	PP074568.D	22 Aug 2025 10:28	AR1254 Hit	YP\AJ	Ok,NR
9	Q2922-14DL	K262-20ADL	PP074569.D	22 Aug 2025 10:44	AR1254 Hit	YP\AJ	Ok
10	Q2922-17DL	K262-21ADL	PP074570.D	22 Aug 2025 11:00	AR1254 Hit	YP\AJ	Ok
11	Q2922-20DL	K262-22ADL	PP074571.D	22 Aug 2025 11:16	AR1254 Hit	YP\AJ	Ok,NS
12	Q2923-12DL	K262-DUP4DL	PP074572.D	22 Aug 2025 11:32	AR1254 Hit	YP\AJ	Ok
13	PB169353BL	PB169353BL	PP074573.D	22 Aug 2025 12:21		YP\AJ	Ok
14	PB169353BS	PB169353BS	PP074574.D	22 Aug 2025 12:37		YP\AJ	Ok,NS
15	Q2911-01	K262-1A	PP074575.D	22 Aug 2025 12:53	AR1254 Hit , Need 2x dilution	YP\AJ	Dilution
16	Q2911-02	K262-1B	PP074576.D	22 Aug 2025 13:10	AR1254 Hit , Need 2x dilution	YP\AJ	Dilution
17	AR1660CCC500	AR1660CCC500	PP074577.D	22 Aug 2025 14:14		YP\AJ	Ok
18	AR1242CCC500	AR1242CCC500	PP074578.D	22 Aug 2025 14:31		YP\AJ	Ok,NS

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP082225

Review By	yogesh	Review On	8/22/2025 9:50:46 AM		
Supervise By		Supervise On			
SubDirectory	PP082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PP074579.D	22 Aug 2025 14:47		YP\AJ	Ok,NS
20	AR1254CCC500	AR1254CCC500	PP074580.D	22 Aug 2025 15:03		YP\AJ	Ok,NS
21	I.BLK	I.BLK	PP074581.D	22 Aug 2025 15:19		YP\AJ	Ok
22	PB169359BL	PB169359BL	PP074582.D	22 Aug 2025 15:36		YP\AJ	Ok
23	PB169359BS	PB169359BS	PP074583.D	22 Aug 2025 15:52		YP\AJ	Ok,NS
24	Q2911-13	K262-5A	PP074584.D	22 Aug 2025 16:08	DCB high in 2nd column	YP\AJ	Ok,NS
25	Q2911-14	K262-5B	PP074585.D	22 Aug 2025 16:24	DCB high in 2nd column	YP\AJ	Ok,NS
26	Q2911-15	K262-5C	PP074586.D	22 Aug 2025 16:41	DCB high in 2nd column	YP\AJ	Ok
27	Q2911-16	K262-6C	PP074587.D	22 Aug 2025 16:57	AR1254 Hit , Need 2x dilution	YP\AJ	Dilution
28	Q2911-17	K262-7C	PP074588.D	22 Aug 2025 17:13	AR1254 Hit	YP\AJ	Ok
29	Q2911-18	K262-8A	PP074589.D	22 Aug 2025 17:30		YP\AJ	Ok
30	Q2923-16	K262-DUP8	PP074590.D	22 Aug 2025 17:46	AR1254 Hit	YP\AJ	Ok,NS
31	Q2909-01	4065	PP074591.D	22 Aug 2025 18:02		YP\AJ	Ok
32	AR1660CCC500	AR1660CCC500	PP074592.D	22 Aug 2025 19:07		YP\AJ	Ok
33	AR1242CCC500	AR1242CCC500	PP074593.D	22 Aug 2025 19:56		YP\AJ	Ok,NS
34	AR1248CCC500	AR1248CCC500	PP074594.D	22 Aug 2025 20:12		YP\AJ	Ok,NS
35	AR1254CCC500	AR1254CCC500	PP074595.D	22 Aug 2025 20:29		YP\AJ	Ok,NS
36	I.BLK	I.BLK	PP074596.D	22 Aug 2025 20:45		YP\AJ	Ok
37	Q2915-01	BRIDGE-WEST	PP074597.D	22 Aug 2025 21:01		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP082225

Review By	yogesh	Review On	8/22/2025 9:50:46 AM		
Supervise By		Supervise On			
SubDirectory	PP082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q2915-03	BRIDGE-EAST	PP074598.D	22 Aug 2025 21:17		YP\AJ	Ok
39	Q2915-03MS	BRIDGE-EASTMS	PP074599.D	22 Aug 2025 21:34		YP\AJ	Ok,NS
40	Q2915-03MSD	BRIDGE-EASTMSD	PP074600.D	22 Aug 2025 21:50		YP\AJ	Ok,NS
41	Q2916-01	EO-03-08202025	PP074601.D	22 Aug 2025 22:06		YP\AJ	Ok
42	Q2917-01	OR-02-082025	PP074602.D	22 Aug 2025 22:23		YP\AJ	Ok
43	Q2919-01	OK-02-08202025	PP074603.D	22 Aug 2025 22:39		YP\AJ	Ok,NS
44	Q2926-01	TR-04-08212025	PP074604.D	22 Aug 2025 22:55		YP\AJ	Ok
45	Q2928-01	27-BELL	PP074605.D	22 Aug 2025 23:11		YP\AJ	Ok
46	Q2932-01	ARS20-0009	PP074606.D	22 Aug 2025 23:28		YP\AJ	Ok
47	AR1660CCC500	AR1660CCC500	PP074607.D	23 Aug 2025 01:22		YP\AJ	Ok
48	AR1242CCC500	AR1242CCC500	PP074608.D	23 Aug 2025 01:38		YP\AJ	Ok,NS
49	AR1248CCC500	AR1248CCC500	PP074609.D	23 Aug 2025 01:54		YP\AJ	Ok,NS
50	AR1254CCC500	AR1254CCC500	PP074610.D	23 Aug 2025 02:10		YP\AJ	Ok,NS
51	I.BLK	I.BLK	PP074611.D	23 Aug 2025 02:27		YP\AJ	Ok
52	PB169361BL	PB169361BL	PP074612.D	23 Aug 2025 02:43		YP\AJ	Ok
53	PB169361BS	PB169361BS	PP074613.D	23 Aug 2025 02:59		YP\AJ	Ok,NS
54	PB169361BSD	PB169361BSD	PP074614.D	23 Aug 2025 03:16		YP\AJ	Ok
55	Q2934-03	ENV-SW03	PP074615.D	23 Aug 2025 03:32		YP\AJ	Ok,NS
56	Q2934-04	ENV-SW04	PP074616.D	23 Aug 2025 03:48		YP\AJ	Ok,NS

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 # PP082225

Review By	yogesh	Review On	8/22/2025 9:50:46 AM		
Supervise By		Supervise On			
SubDirectory	PP082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

57	Q2911-01DL	K262-1ADL	PP074617.D	23 Aug 2025 04:04	AR1254 Hit	YP\AJ	Ok,NS
58	Q2911-02DL	K262-1BDL	PP074618.D	23 Aug 2025 04:21	AR1254 Hit	YP\AJ	Ok
59	AR1660CCC500	AR1660CCC500	PP074619.D	23 Aug 2025 05:26		YP\AJ	Ok
60	AR1242CCC500	AR1242CCC500	PP074620.D	23 Aug 2025 06:31		YP\AJ	Ok,NS
61	AR1248CCC500	AR1248CCC500	PP074621.D	23 Aug 2025 06:47		YP\AJ	Ok,NS
62	AR1254CCC500	AR1254CCC500	PP074622.D	23 Aug 2025 07:03		YP\AJ	Ok,NS
63	I.BLK	I.BLK	PP074623.D	23 Aug 2025 07:20		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/25/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:00
In Date: 08/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 08/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136920

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
Q2926-01	TR-04-08212025	1	1.18	10.40	11.58	10.6	90.6	
Q2926-02	TR-04-08212025	2	1.16	11.03	12.19	11.11	90.2	
Q2928-01	27-BELL	3	1.17	10.46	11.63	10.09	85.3	
Q2928-02	27-BELL	4	1.19	10.25	11.44	9.72	83.2	
Q2938-01	LF1-GM	5	1.00	1.00	2.00	2.00	100.0	
Q2938-02	LF1-G	6	1.00	1.00	2.00	2.00	100.0	
Q2939-05	SVOC-GPC-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q2939-06	PEST-GPC-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q2939-07	PEST-GPC-BLANK-SPIKE	9	1.00	1.00	2.00	2.00	100.0	
Q2939-08	SVOC-GPC2-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q2939-09	PEST-GPC2-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2939-10	PEST -GPC2-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q2941-01	SOIL-COMP(1-2)	13	1.14	10.84	11.98	9.96	81.4	
Q2945-01	34866	14	1.19	10.08	11.27	10.84	95.7	
Q2946-01	820	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2946-02	821	16	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2947-01	291	17	1.12	10.63	11.75	11.33	96.0	
Q2947-02	291-E2	18	1.14	10.03	11.17	10.7	95.3	
Q2947-03	235	19	1.19	10.43	11.62	11.41	98.0	
Q2947-04	235-E2	20	1.16	10.49	11.65	11.44	98.0	
Q2948-01	KZZ054X-1-1	21	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-02	KZZ054X-1-2	22	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-03	JEH590U-1-1	23	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-04	JEH590U-1-2	24	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-05	JEH590U-2-1	25	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-06	JEH590U-2-2	26	1.00	1.00	2.00	2.00	100.0	PILC
Q2949-01	367	27	1.15	10.38	11.53	11.46	99.3	
Q2949-02	367-E2	28	1.14	11.00	12.14	11.84	97.3	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/25/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:00
In Date: 08/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 08/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136920

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

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

WORKLIST(Hardcopy Internal Chain)

VB 136920

WorkList Name : %1-082225 **WorkList ID :** 191408 **Department :** Wet-Chemistry **Date :** 08-22-2025 08:05:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2926-01	TR-04-08212025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/21/2025	Chemtech -SO
Q2926-02	TR-04-08212025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/21/2025	Chemtech -SO
Q2928-01	27-BELL	Solid	Percent Solids	Cool 4 deg C	HERO01	D31	08/21/2025	Chemtech -SO
Q2928-02	27-BELL	Solid	Percent Solids	Cool 4 deg C	HERO01	D31	08/21/2025	Chemtech -SO
Q2938-01	LF1-GM	Solid	Percent Solids	Cool 4 deg C	ENTA08	A23	08/21/2025	Chemtech -SO
Q2938-02	LF1-G	Solid	Percent Solids	Cool 4 deg C	ENTA08	A23	08/21/2025	Chemtech -SO
Q2939-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2941-01	SOIL-COMP(1-2)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/22/2025	Chemtech -SO
Q2945-01	34866	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2946-01	820	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2946-02	821	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2947-01	291	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2947-02	291-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2947-03	235	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2947-04	235-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-01	KZZ054X-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO

Date/Time 08/22/25 15:00

Raw Sample Received by: JP (CWC)

Raw Sample Relinquished by: RS (Ext-Lab)

Date/Time 08/22/25 17:15

Raw Sample Received by: RS (Ext-Lab)

Raw Sample Relinquished by: JP (CWC)

WORKLIST(Hardcopy Internal Chain)

VB 136920

WorkList Name : %1-082225 **WorkList ID :** 191408 **Department :** Wet-Chemistry **Date :** 08-22-2025 08:05:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2948-02	KZZ054X-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-03	JEH590U-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-04	JEH590U-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-05	JEH590U-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-06	JEH590U-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2949-01	367	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2949-02	367-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO

Date/Time 08/22/25 15:00

Raw Sample Received by: JB (WC)

Raw Sample Relinquished by: RS (Ext-Lab)

Date/Time 08/22/25 17:15

Raw Sample Received by: RS (Ext-Lab)

Raw Sample Relinquished by: JB (WC)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169359

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	08/22/2025
Matrix :	Solid			**Extraction Start Time :**	10:20
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	08/22/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	13:30
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**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	PP24799
Surrogate	1.0ML	200 PPB	PP24663
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	EP2627
Baked Na2SO4	N/A	EP2632
Hexane	N/A	E3962
H2SO4 1:1	N/A	EP2610
Sand	N/A	E3951
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721, Q2909-01 used Limited volume as sample is Oily debris.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/22/25	RS (Ext Lab)	Y-P-Pest-IP CB
13:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169359

Analytical Method: M3541-ASE Extraction-15 **Concentration Date:** 08/22/2025

Sample ID	Client Sample ID	Test	g// mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169359BL	ABLK359	PCB	30.01	N/A	ritesh	Evelyn	10			U1-1
PB169359BS	ALCS359	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q2909-01	4065	PCB	5.07	N/A	ritesh	Evelyn	10	E	Oily Debris	3
Q2915-01	BRIDGE-WEST	PCB	30.03	N/A	ritesh	Evelyn	10	E		4
Q2915-03	BRIDGE-EAST	PCB	30.09	N/A	ritesh	Evelyn	10	E		5
Q2915-03MS	BRIDGE-EASTMS	PCB	30.03	N/A	ritesh	Evelyn	10	E		6
Q2915-03MSD	BRIDGE-EASTMSD	PCB	30.05	N/A	ritesh	Evelyn	10	E		U2-1
Q2916-01	EO-03-08202025	PCB	30.02	N/A	ritesh	Evelyn	10	E		2
Q2917-01	OR-02-082025	PCB	30.04	N/A	ritesh	Evelyn	10	E		3
Q2919-01	OK-02-08202025	PCB	30.07	N/A	ritesh	Evelyn	10	E		4
Q2926-01	TR-04-08212025	PCB	30.01	N/A	ritesh	Evelyn	10	E		5
Q2928-01	27-BELL	PCB	30.05	N/A	ritesh	Evelyn	10	E		6
Q2932-01	ARS20-0009	PCB	30.09	N/A	ritesh	Evelyn	10	E		U3-1
Q2932-03	ARS20-0002-SOIL	PCB	30.06	N/A	ritesh	Evelyn	10	E		2
Q2932-05	ARS20-0002-CONCRETE	PCB	30.02	N/A	ritesh	Evelyn	10	E		3
Q2933-02	25-SEPTIC	PCB	30.07	N/A	ritesh	Evelyn	10	E		4
Q2933-04	29-SEPTIC	PCB	30.05	N/A	ritesh	Evelyn	10	E		5

RS 8/22

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

169354
10:20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2926 **WorkList ID :** 191421 **Department :** Extraction **Date :** 08-22-2025 10:15:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2909-01	4065	Solid	PCB	Cool 4 deg C	PSEG03		08/20/2025	8082A
Q2915-01	BRIDGE-WEST	Solid	PCB	Cool 4 deg C	PSEG03	D21	08/20/2025	8082A
Q2915-03	BRIDGE-EAST	Solid	PCB	Cool 4 deg C	PSEG03	D21	08/20/2025	8082A
Q2916-01	EO-03-08202025	Solid	PCB	Cool 4 deg C	PSEG05	D21	08/20/2025	8082A
Q2917-01	OR-02-082025	Solid	PCB	Cool 4 deg C	PSEG05	D31	08/20/2025	8082A
Q2919-01	OK-02-08202025	Solid	PCB	Cool 4 deg C	PSEG05	D21	08/20/2025	8082A
Q2926-01	TR-04-08212025	Solid	PCB	Cool 4 deg C	PSEG05	D31	08/21/2025	8082A
Q2928-01	27-BELL	Solid	PCB	Cool 4 deg C	HERO01	D31	08/21/2025	8082A
Q2932-01	ARS20-0009	Solid	PCB	Cool 4 deg C	PSEG03	D41	08/21/2025	8082A
Q2932-03	ARS20-0002-SOIL	Solid	PCB	Cool 4 deg C	PSEG03	D41	08/21/2025	8082A
Q2932-05	ARS20-0002-CONCRETE	Solid	PCB	Cool 4 deg C	PSEG03	D41	08/21/2025	8082A
Q2933-02	25-SEPTIC	Solid	PCB	Cool 4 deg C	PSEG03	D41	08/21/2025	8082A
Q2933-04	29-SEPTIC	Solid	PCB	Cool 4 deg C	PSEG03	D41	08/21/2025	8082A

Date/Time 08/22/25 10:15
Raw Sample Received by: RJ (LZL-Vol6)
Raw Sample Relinquished by: JDCSm)

Date/Time 08/22/25 10:30
Raw Sample Received by: JDCSm)
Raw Sample Relinquished by: RJ (LZL-Vol6)

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Prep Standard - Chemical Standard Summary

Order ID : Q2928

Test : PCB

Prepbatch ID : PB169359,

Sequence ID/Qc Batch ID: pp082225,

Standard ID :

EP2610,EP2627,EP2632,PP24329,PP24330,PP24381,PP24663,PP24799,PP24805,PP24806,PP24807,PP24808,PP24809,PP24810,PP24811,PP24812,PP24814,PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862,

Chemical ID :

E3804,E3875,E3944,E3949,E3950,E3951,E3955,E3962,E3963,M6157,P11522,P11592,P12700,P12703,P12951,P12952,P12957,P13356,P13373,P13375,P13590,P13592,P13695,P13697,P13706,P13786,P13789,P13833,P13879,P13881,P13885,W3112,W3177,W3234,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of M6157 + 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	EP2627	07/15/2025	01/15/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 07/15/2025

FROM 4000.00000ml of E3949 + 4000.00000ml of E3950 = Final Quantity: 8000.000 ml

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Fax : 908 789 8922

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2632	08/11/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 08/11/2025

FROM 4000.00000gram of E3875 = 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	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 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
202	AR1660 1000/100 ppb working solution 1st source	PP24330	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13697 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1893	AR1254 1000 PPB Working Sol. 2nd Source	PP24381	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12957 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 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
465	200 PPB Pest/PCB Surrogate Spike	PP24663	06/24/2025	12/24/2025	Abdul Mirza	None	None	Yogesh Patel 07/21/2025

FROM 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24799	08/12/2025	02/12/2026	Abdul Mirza	None	None	Yogesh Patel 08/19/2025

FROM 0.50000ml of P12951 + 99.50000ml of E3955 = 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
84	Pest/PCB Surrogate Stock 20 PPM	PP24805	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 1.00000ml of P13789 + 9.00000ml of E3962 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
213	AR1221 1000 PPB WORKING SOLUTION	PP24806	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.10000ml of P13375 + 99.40000ml of E3962 + 0.50000ml of PP24805 = 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
214	AR1232 1000 PPB WORKING SOLUTION	PP24807	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.10000ml of P13879 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
215	AR1242 1000 PPB WORKING STD	PP24808	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.10000ml of P13706 + 99.40000ml of E3962 + 0.50000ml of PP24805 = 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
216	AR1248 1000 PPB WORKING STD	PP24809	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.10000ml of P13695 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
217	AR1254 1000 PPB WORKING STD	PP24810	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.10000ml of P11592 + 99.40000ml of E3962 + 0.50000ml of PP24805 = 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
1529	AR1262 1000 PPB Working Solution	PP24811	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.10000ml of P13881 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1532	AR1268 1000 PPB Working Solution	PP24812	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.10000ml of P13885 + 99.40000ml of E3962 + 0.50000ml of PP24805 = 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
404	AR1660 100 PPM Stock Solution 2nd Source	PP24814	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 1.00000ml of P12952 + 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	PP24815	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 98.50000ml of E3962 + 0.50000ml of PP24805 + 1.00000ml of PP24814 = 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
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP24816	08/18/2025	09/18/2025	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 1.00000ml of P13373 + 98.50000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP24817	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 1.00000ml of P12700 + 98.50000ml of E3962 + 0.50000ml of PP24805 = 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	PP24818	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 1.00000ml of P13590 + 98.50000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP24819	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 1.00000ml of P13592 + 98.50000ml of E3962 + 0.50000ml of PP24805 = 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
2193	AR1254 100 PPM STOCK SOLUTION	PP24820	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 1.00000ml of P13833 + 9.00000ml of E3963 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3757	AR1262 1000 PPB Working Solution second source	PP24821	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 1.00000ml of P12703 + 98.50000ml of E3962 + 0.50000ml of PP24805 = 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
3817	AR1268 1000 ppb Working Soln. 2nd source	PP24822	08/18/2025	09/18/2025	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 1.00000ml of P11522 + 98.50000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
203	AR1660 750 PPB STD	PP24823	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24330 = 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
204	AR1660 500 PPB STD	PP24824	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24330 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
205	AR1660 250 PPB STD	PP24825	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24330 = 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
206	AR1660 50 PPB STD	PP24826	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24824 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1079	AR1221 750 PPB STD	PP24827	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24806 = 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
222	AR1221 500 PPB STD	PP24828	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24806 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1080	AR1221 250 PPB STD	PP24829	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24806 = 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
1081	AR1221 50 PPB STD	PP24830	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24828 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1063	AR1232 750 PPB STD	PP24831	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24807 = 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	PP24832	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24807 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1064	AR1232 250 PPB STD	PP24833	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24807 = 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	PP24834	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24832 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1067	AR1242 750 PPB STD	PP24835	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24808 = 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
224	AR1242 500 PPB STD	PP24836	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24808 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1068	AR1242 250 PPB STD	PP24837	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24808 = 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
1069	AR1242 50 PPB STD	PP24838	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24836 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1075	AR1248 750 PPB STD	PP24839	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24809 = 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	PP24840	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24809 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1076	AR1248 250 PPB STD	PP24841	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24809 = 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	PP24842	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24840 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1071	AR1254 750 PPB STD	PP24843	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24810 = 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
226	AR1254 500 PPB STD	PP24844	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24810 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1072	AR1254 250 PPB STD	PP24845	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24810 = 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
1073	AR1254 50 PPB STD	PP24846	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24844 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3753	AR1262 750 PPB STD	PP24847	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24811 = 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	PP24848	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24811 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3754	AR1262 250 PPB STD	PP24849	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24811 = 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	PP24850	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24848 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3820	AR1268 750 PPB STD	PP24851	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24812 = 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
1533	AR1268 500 PPB STD	PP24852	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24812 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3821	AR1268 250 PPB STD	PP24853	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24812 = 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
3822	AR1268 50 PPB STD	PP24854	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24852 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
406	AR1660 500 PPB ICV	PP24855	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24815 = 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
3790	AR1221 500 PPB ICV(AGILENT)	PP24856	08/18/2025	09/18/2025	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24816 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1888	AR1232 500 PPB ICV	PP24857	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24817 = 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	PP24858	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24818 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1892	AR1248 500 PPB ICV	PP24859	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24819 = 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
1894	AR1254 500 PPB ICV	PP24860	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24381 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3758	AR1262 500 PPB STD ICV	PP24861	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24821 = 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
3823	AR1268 500 PPB STD ICV	PP24862	08/18/2025	09/18/2025	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24822 = Final Quantity: 1.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	02/18/2026	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 #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	06/20/2025 / RUPESH	05/14/2025 / RUPESH	E3944

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	04/18/2027	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3949

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)	25C0362005	04/30/2026	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3950

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)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

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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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3955

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)	25C0362005	04/30/2026	08/05/2025 / RUPESH	07/30/2025 / RUPESH	E3962

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	02/15/2026	08/15/2025 / RUPESH	08/07/2025 / RUPESH	E3963

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)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	09/18/2025	03/18/2025 / yogesh	02/21/2022 / Ankita	P11522

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	02/18/2026	08/18/2025 / yogesh	03/18/2022 / Abdul	P11592

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	91867 / Aroclor 1232 100 ug/mL	020823	02/18/2026	08/18/2025 / yogesh	08/07/2023 / Ankita	P12700

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	x9166 / Aroclor 1262 100 ug/mL	060523	02/18/2026	08/18/2025 / yogesh	08/07/2023 / Ankita	P12703

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	02/12/2026	08/12/2025 / Abdul	12/20/2023 / Yogesh	P12951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	02/18/2026	08/18/2025 / yogesh	12/20/2023 / Yogesh	P12952

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 #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

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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-292-1 / Aroclor 1221	0006783205	09/18/2025	03/18/2025 / yogesh	05/02/2024 / Ankita	P13373

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	A0207511	02/18/2026	08/18/2025 / yogesh	05/03/2024 / Abdul	P13375

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	02/18/2026	08/18/2025 / yogesh	10/14/2024 / Ankita	P13590

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006726317	02/18/2026	08/18/2025 / yogesh	10/14/2024 / Ankita	P13592

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	A0214733	02/18/2026	08/18/2025 / yogesh	10/17/2024 / yogesh	P13695

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	A0210629	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13697

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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	A0210232	02/18/2026	08/18/2025 / yogesh	10/17/2024 / yogesh	P13706

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	A0214495	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

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	A0214495	02/18/2026	08/18/2025 / yogesh	11/19/2024 / Ankita	P13789

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	a0217391	02/18/2026	08/18/2025 / yogesh	12/09/2024 / Ankita	P13833

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	A0219655	02/18/2026	08/18/2025 / yogesh	01/23/2025 / Ankita	P13879

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	A0217041	02/18/2026	08/18/2025 / yogesh	01/23/2025 / Ankita	P13881

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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	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0217264	02/18/2026	08/18/2025 / yogesh	01/23/2025 / Ankita	P13885

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

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	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

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)	25C0362005	04/30/2026	07/28/2025 / jignesh	07/25/2025 / jignesh	W3234

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

avantor™ | J.T.Baker®

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

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
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:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
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%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
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%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
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.

E 3875

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 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 %	0.2 %
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

E3944

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

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

Read on 7/2/25

E3949

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

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

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
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 HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
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: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

3950

Read on 7/02/25

Jamie Croak
Director Quality Operations, Bioscience Production

VWR®
BDH® CHEMICALS

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

PO: PO2-2575 PRODUCT CODE: SHIP DATE: 6/20/25

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

Recieved on 7/16/25

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3955

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

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

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

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
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 HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
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

Recieved on 7/30/25

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3962

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

PO: PO2-2575 PRODUCT CODE: SHIP DATE: 6/20/25

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

Recieved on 8/6/25

E 3963

J Croak
Jamie Croak
Director Quality Operations, Bioscience Production

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

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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor | J.T.Baker

M615 MB

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	<1 ppm
ACS - Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities - Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities - Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities - Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities - Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities - Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities - Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities - Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities - Silver (Ag)	<= 1.0 ppb	<1.0 ppb

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

J Croak

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

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

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
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

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

ANAB ACCREDITED TESTING LABORATORY
ISO 17025 Cert No. AT-1937

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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.

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)

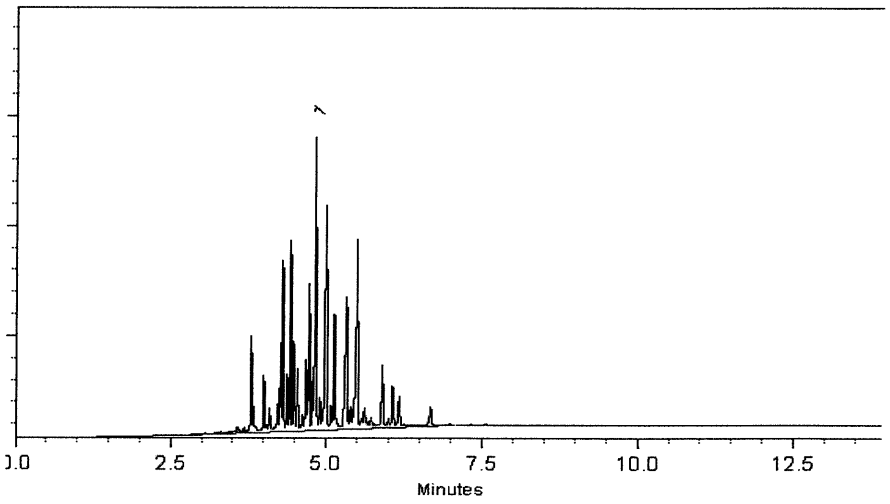
Carrier Gas:
helium-constant pressure 20 psi.

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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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

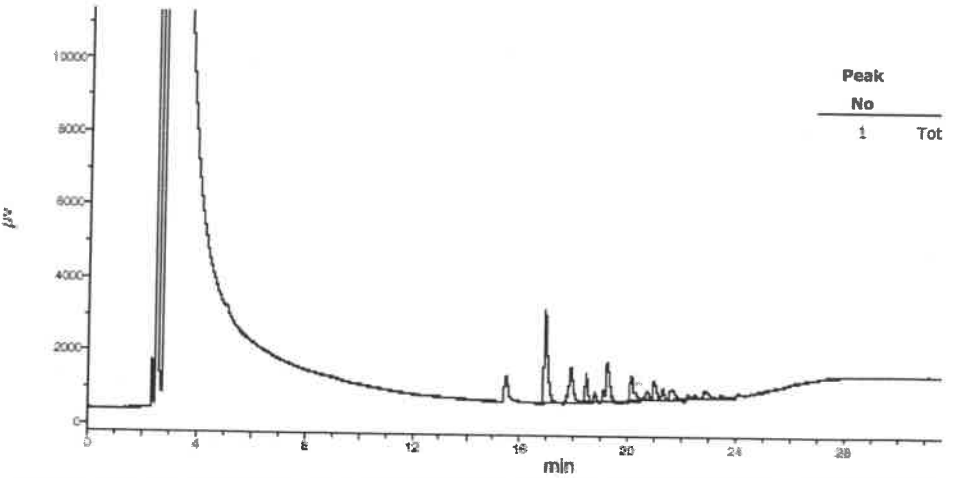
5E-05 Balance Uncertainty
0.057 Flask Uncertainty

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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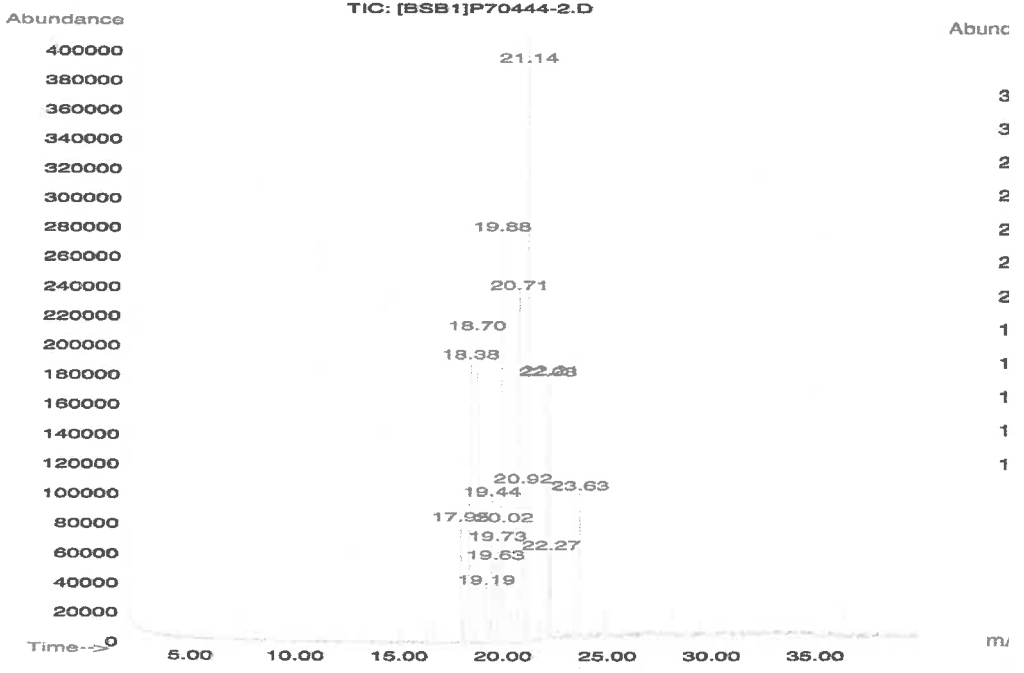
Certified Referen

CERTIFIED WEIGHT REPORT

Part Number:	X9166	**Solvent(s):**	
Lot Number:	060523	Methanol	E
Description:	Aroclor 1262 Appendix IX Compound		
Expiration Date:	060533		
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	0.002	Flask Uncertainty

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Co
1. Aroclor 1262	70444	080322	0.10	2.00	0.017	

Method GC7MSD-7.M: Column:(30m X 0.25mm ID X 0.25µm film thickn
min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C.



- The certified value is the concentration calculated from gravimetric and volumetric me
- Standards are prepared gravimetrically using balances that are calibrated with weight
- 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 appro
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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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

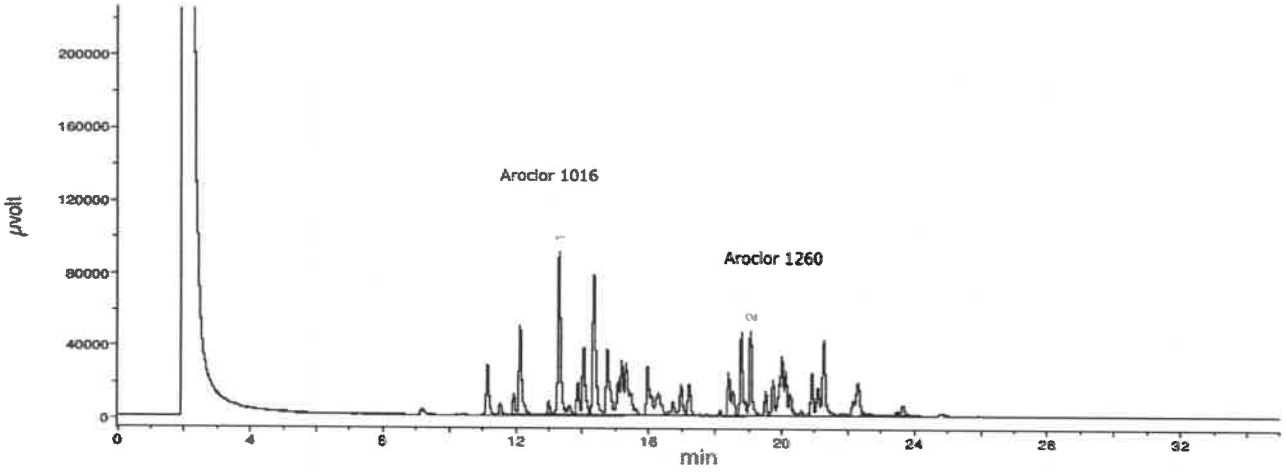
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

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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AR-1539 Certificate Number
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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

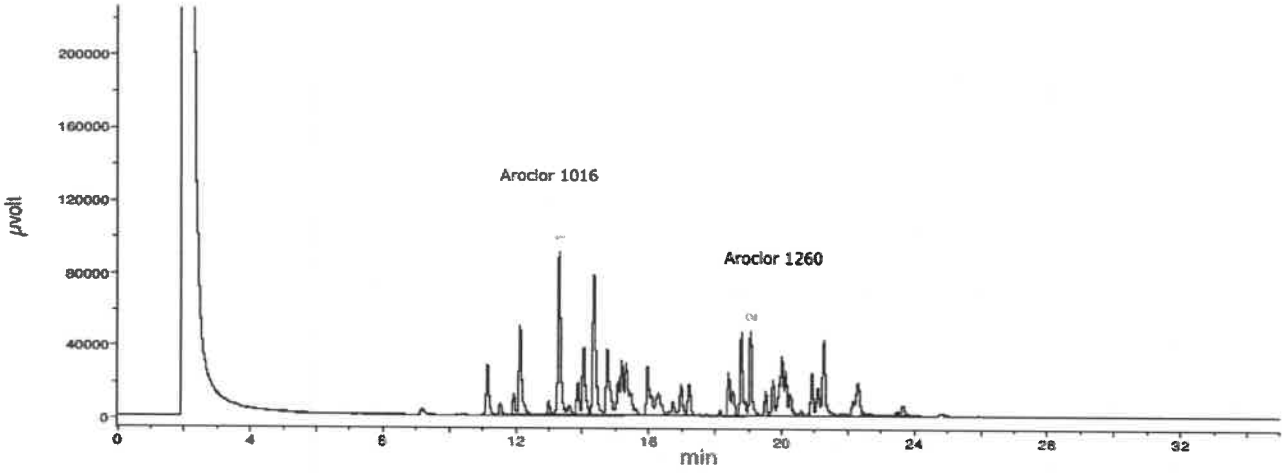
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

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

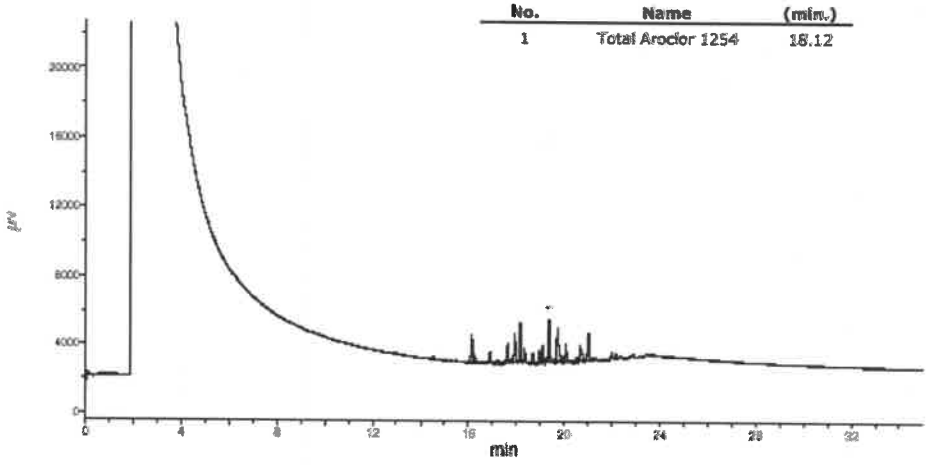
Note: Aroclor 1254 is a mix of isomers.

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 REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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.

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.)

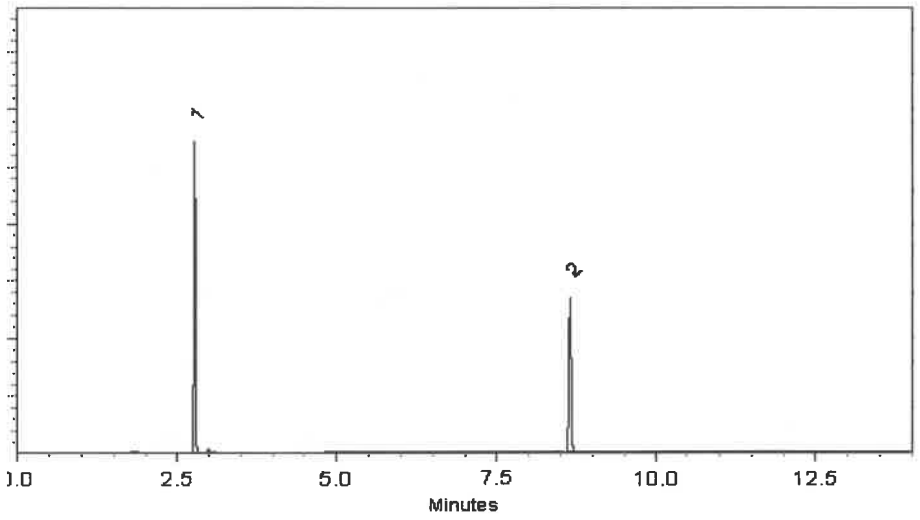
Inj. Temp:
250°C

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

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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. : 32007 **Lot No.:** A0207511

Description : Aroclor® 1221 Standard

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

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

Expiration Date : May 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 1221	11104-28-2	13192500	----%	1,002.7 µg/mL	+/- 55.6424

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

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

P 13374 (2)
↓
P 13375
1

05/6/2024

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

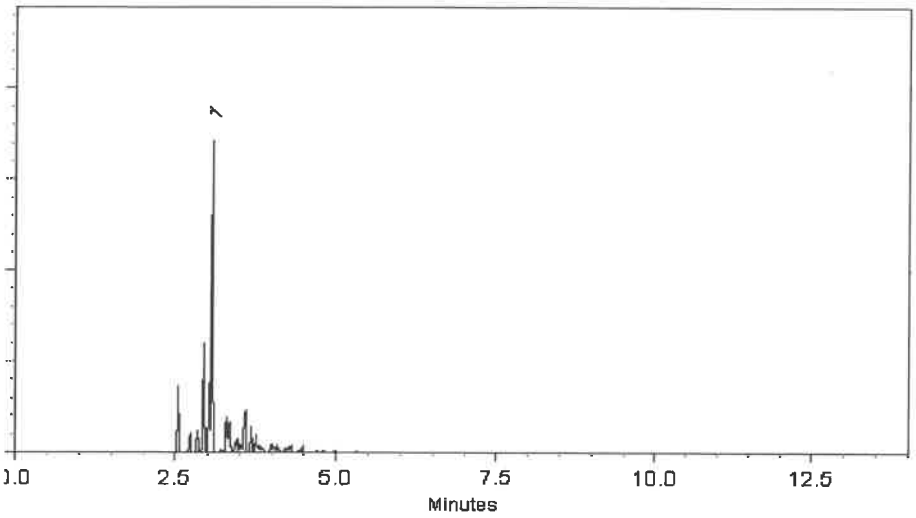
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Laith Clemente - Operations Technician I **Date Mixed:** 06-Feb-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 08-Feb-2024

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

P13374 ②
↓
P13375

05/6/2024

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.

P13589
↓
P13590

AJ
10/14/24

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

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Aroclor 1248 Standard
Product Number: PP-342-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006726317
Lot Issue Date: 27-Jan-2023
Expiration Date: 28-Feb-2031

Component Name	Concentration		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 (RM) 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. Purity values are taken from approved vendor raw material certificates.

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 (RM) 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 (RM) 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 (RM) 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.

P13591
↓
P13592

AJ
10/14/2024

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Trusted Answers

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

Sample lot approver:

Monica Bourgeois
QMS Representative

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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.

Catalog No. : 32010 **Lot No.:** A0214733

Description : Aroclor® 1248 Standard

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

P13695
P13696
Y.P.
10/17/24

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

Expiration Date : November 30, 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	15242800	----%	1,005.0 µg/mL	+/- 55.7700

* 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.)

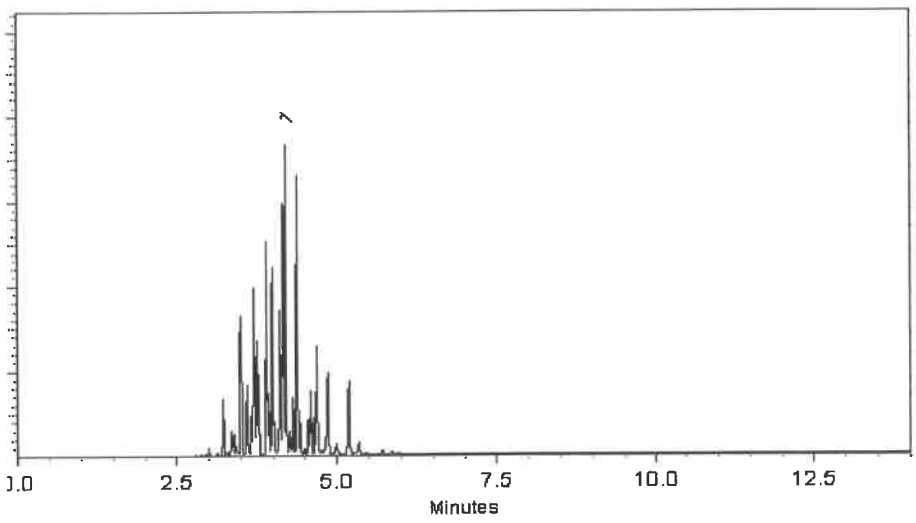
Inj. Temp:
250°C

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.

Rebecca Gingerich - Operations Tech II

Date Mixed: 02-Aug-2024 **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Aug-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32039 **Lot No.:** A0210629

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 : July 31, 2030 **Storage:** 25°C nominal

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

P13697 ↓ P13701 } Y.P. 10/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1016	12674-11-2	07	----%	1,005.3 µg/mL	+/- 55.7809
2	Aroclor 1260	11096-82-5	1320657	----%	1,000.0 µg/mL	+/- 55.4850

* 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.)

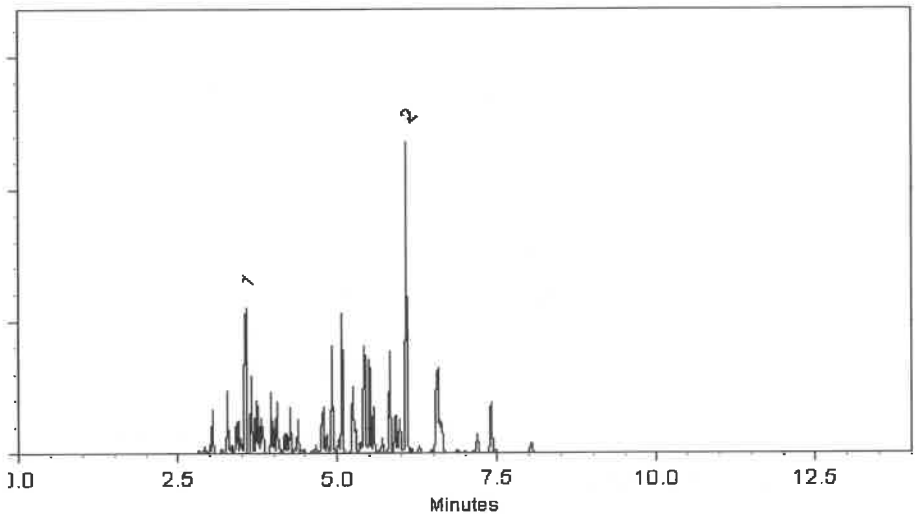
Inj. Temp:
250°C

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: 22-Apr-2024 **Balance Serial #** B442140311

Dillan Murphy - Operations Technician I

Date Passed: 24-Apr-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32009 **Lot No.:** A0210232

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

P13706
P13707
Y.P. 10/17/24

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

Expiration Date : July 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 1242	53469-21-9	01141	----%	1,000.7 µg/mL	+/- 55.5295

* 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.)

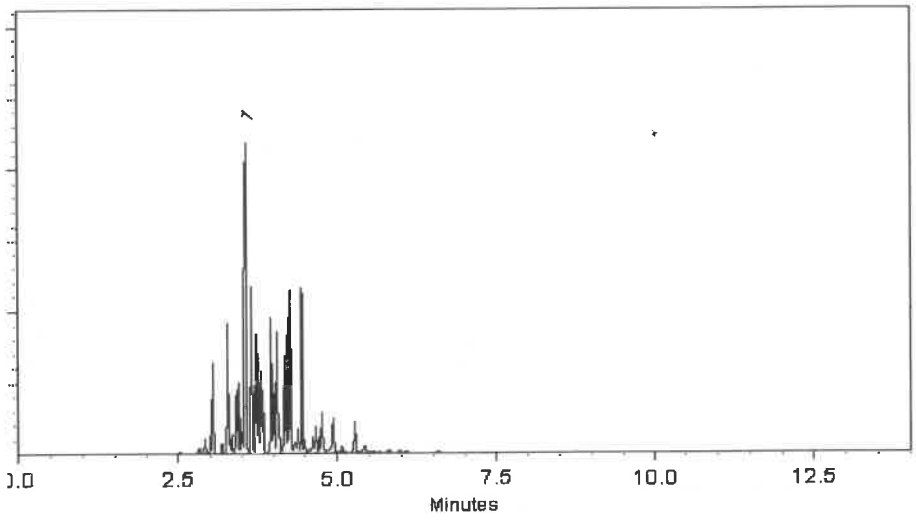
Inj. Temp:
250°C

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.

Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024 **Balance Serial #** B442140311

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 17-Apr-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

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

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

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

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

P19785
↓
P19789
AJ
11/19/24

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%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

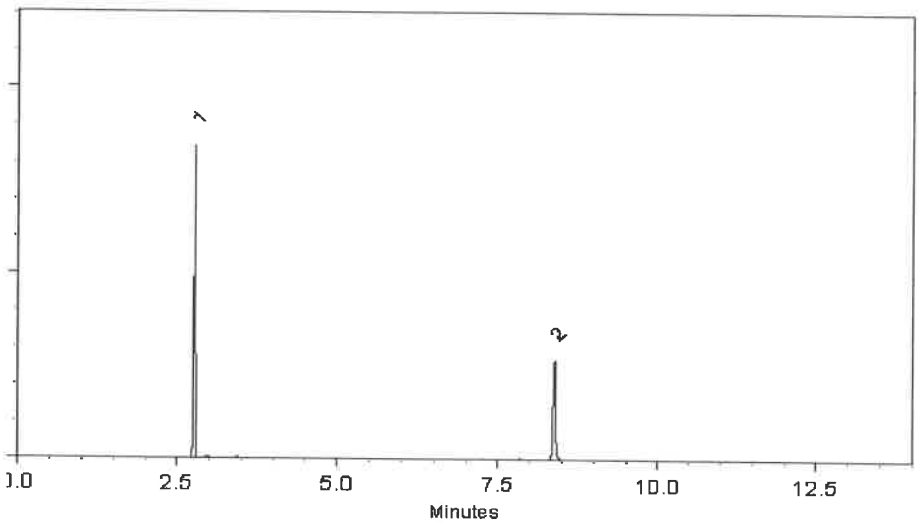
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

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

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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.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

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

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

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

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

P19785
↓
P19789
AJ
11/19/24

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%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

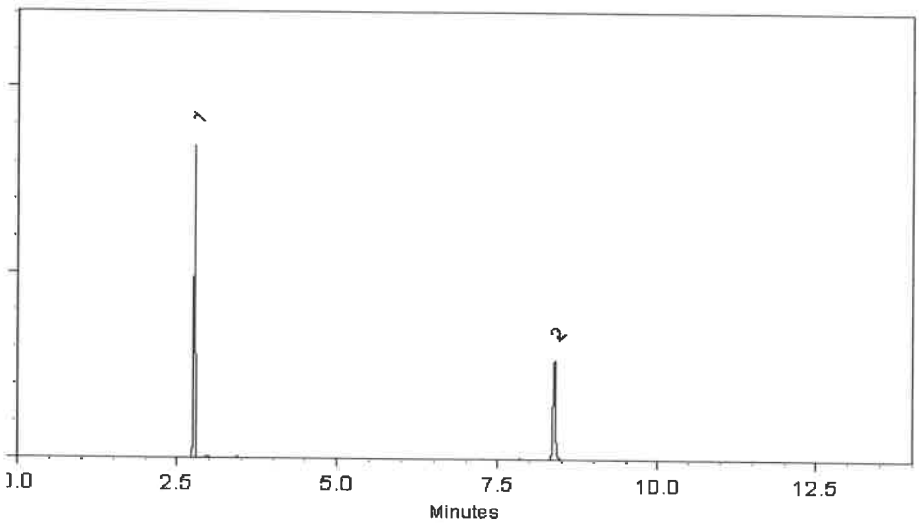
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

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

RESTEK

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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.

Catalog No. : 32011 **Lot No.:** A0217391

Description : Aroclor® 1254 Standard

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

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

Expiration Date : January 31, 2031 **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 1254	11097-69-1	124-191-B	----%	1,004.7 µg/mL	+/- 55.7515

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

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

P13830
↓
P13832
↓
P13834

AJ
12/09/24

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.)

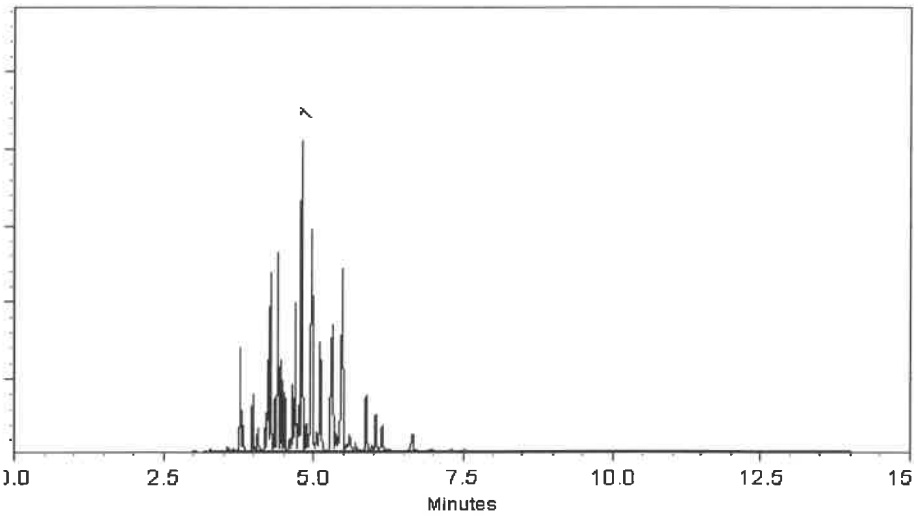
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 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.

Michael Maye - Operations Tech I

Date Mixed: 02-Oct-2024 **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

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

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110 Benner Circle
Bellefonte, PA 16823-8812
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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.

Catalog No. : 32008 **Lot No.:** A0219655

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : March 31, 2031 **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 1232	11141-16-5	15665-01	----%	1,007.0 µg/mL	+/- 55.8810

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

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

P13878
↓
P13880

AJ
01/28/25

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

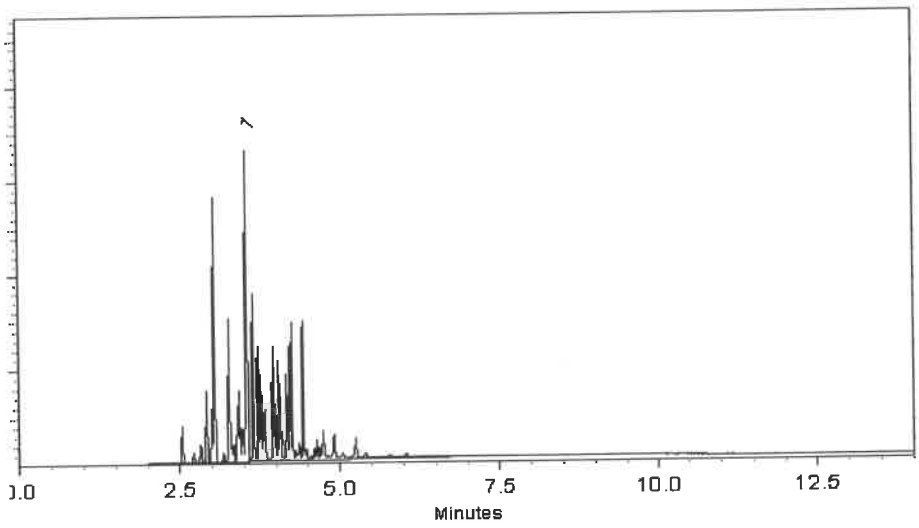
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Michael Maye - Operations Tech I

Date Mixed: 02-Dec-2024 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

Date Passed: 05-Dec-2024

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

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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.

Catalog No. : 32409 **Lot No.:** A0217041

Description : Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

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

Expiration Date : December 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 1262	37324-23-5	10849100	----%	1,000.0 µg/mL	+/- 55.4925

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

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

P13881

AJ
01/28/25

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.)

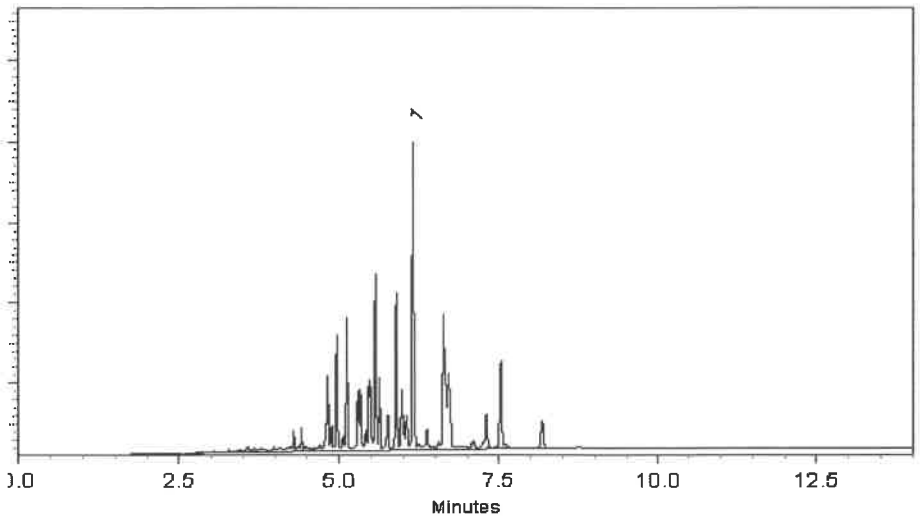
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 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.

Rebecca Gingerich - Operations Tech II

Date Mixed: 25-Sep-2024 **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 30-Sep-2024

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

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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.

Catalog No. : 32410 **Lot No.:** A0217264

Description : Aroclor® 1268 Standard

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

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

Expiration Date : January 31, 2031 **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 1268	11100-14-4	12353400	----%	1,009.8 µg/mL	+/- 56.0364

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

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

P13884
↓
P13886

AJ
01/28/25

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.)

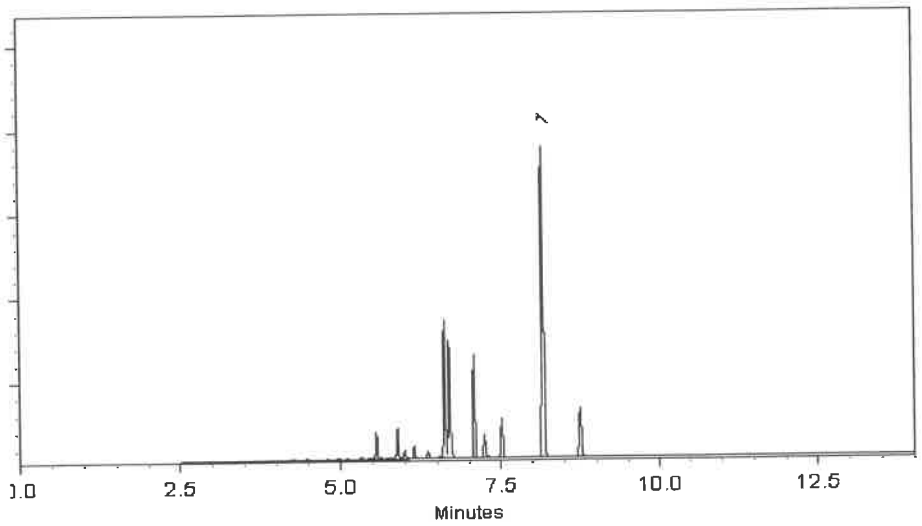
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 500:1

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.

Stacey Wanner - Operations Technician I

Date Mixed: 01-Oct-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-Oct-2024

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

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

avantor™ | J.T.Baker®

W3147

W3147 update. 02/03/2025 JP

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

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

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

avantor™ | J.T.Baker

W3234 JB
Update: 07/28/2025

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
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 HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
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: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

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

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2938
COC Number 2047907

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Hero Construction
ADDRESS: 27 Bell street
CITY Orange STATE: N.J. ZIP:
ATTENTION: Khadija Smith
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Residential soil Testing
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY SA STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 5-DAY TAT DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1: Cyanide 2: EPH - F2 3: Pesticide - TCL 4: SVOC - TCL BNA - 20 5: VOC - TCL VOA - 10 6 7 8 9

ALLIANCE 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.	27 BELL	SOL	X		8.21.25	1306	4	X	X	X	X						
2.	1	1		X	1	1310	4					X					
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME	RECEIVED BY
RELINQUISHED BY SAMPLER: 1.	8.21.2025 1324	1. Khadija Smith
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY SAMPLER: 3.	8.21.2025 1730	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.9c °C
Comments: Equal volume of soil used, 5:1 composite

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

CHEMTECH
Environmental Laboratory
www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Residential Soil Testing
Service Order #:
Work Order #:
Labor WBS #:
Facility/Site:
Site Address: 27 Bell Street Orange, N.J.

Chemtech Order ID:
Sampler Name: Lawrence Carter
Client Project Coordinator & Phone:

Page #: 1 of 1
Date: 8.21.2025
Arrive Time: 12:40
Depart Time: 1324

Waste Stream (circle one): drum / roll-off / (soil pile) / in-situ / linear construction / frac-tank

Sample Matrices (circle all that apply): Water / (Solid) / NAPL / Concrete / Wipe

Collection Depths:

Dimensions/CY: 222cy

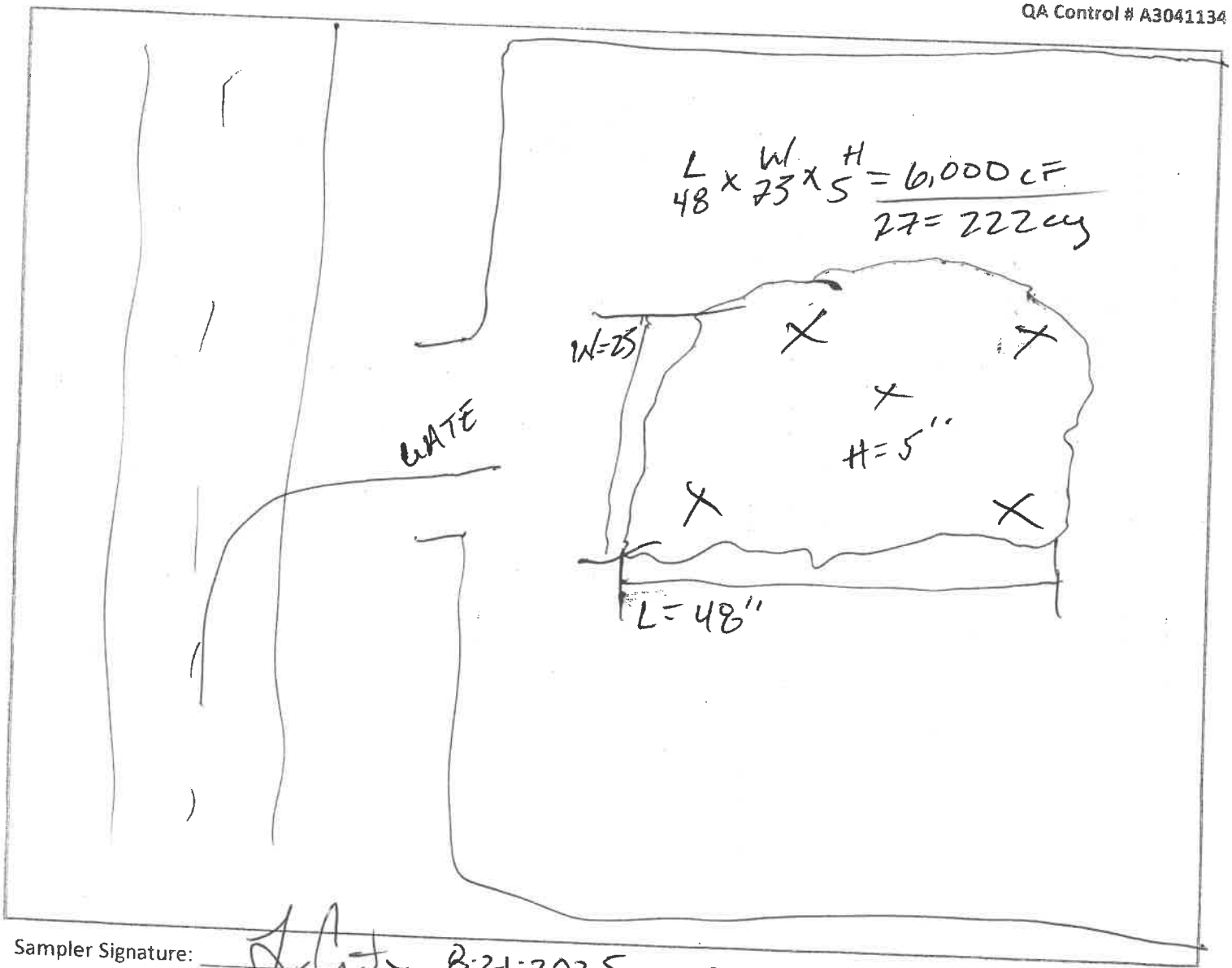
Temp (range): °C **PID Readings (range):** PPM **Odor:** Y / (N) **Color** (Y) N

Sample Description: Brown soil, rocks.

Field Observations: SAMPLED, 27 BELL.

Grid/Area Composite Map:

QA Control # A3041134



Sampler Signature: 8.21.2025

Client Signature:

Supervisor Review/Date:

Date/Time Arrived at Lab:

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2928 HERO01
Client Name : Hero Construction
Client Contact : Khadija Smith
Invoice Name : Hero Construction
Invoice Contact : Khadija Smith

Order Date : 8/21/2025 12:10:14 PM
Project Name : Residential Soil Testing
Receive DateTime : 8/21/2025 ~~12:00:00 AM~~ 5:30 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2928-02	27-BELL	Solid	08/21/2025	13:10					
					VOC-TCLVOA-10		8260D		~~10~~ 5 Bus. Days

Grabs

Stored in VOA FRZ # 02

Relinguished By :
Date / Time : 8/22/25 845

Received By : Immaculata
Date / Time : 8/22/25 10:30 AM

Storage Area : VOA Refridgerator Room