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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LAB CHRONICLE

OrderID:	Q1378	**OrderDate:**	2/17/2025 1:37:00 PM
Client:	ATC Group Services LLC	**Project:**	P.S. 29 Queens - 2022SCA425
Contact:	Olga Seldinas	**Location:**	D11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1378-01	**1A-1B-1C 1985-STONE-BAND**	**CAULK**			**02/17/25**			**02/17/25**
			PCB Group1	8082A		02/18/25	02/18/25	
Q1378-02	**2A-2B-2C 1928 ROOF-1**	**CAULK**			**02/17/25**			**02/17/25**
			PCB Group1	8082A		02/18/25	02/18/25	
Q1378-03	**3A-3B-3C 1985 BUILD**	**CAULK**			**02/17/25**			**02/17/25**
			PCB Group1	8082A		02/18/25	02/19/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1378 **Order ID:** Q1378

Client: ATC Group Services LLC **Project ID:** P.S. 29 Queens - 2022SCA425

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

QC SUMMARY

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

SDG No.: Q1378

Client: ATC Group Services LLC

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP069264.D	PIBLK-PP069264.D	Tetrachloro-m-xylene	1	20	25.7	128		60	140
		Decachlorobiphenyl	1	20	25.4	127		60	140
		Tetrachloro-m-xylene	2	20	26.0	130		60	140
		Decachlorobiphenyl	2	20	25.4	127		60	140
I.BLK-PP069812.D	PIBLK-PP069812.D	Tetrachloro-m-xylene	1	20	21.8	109		60	140
		Decachlorobiphenyl	1	20	21.3	106		60	140
		Tetrachloro-m-xylene	2	20	22.0	110		60	140
		Decachlorobiphenyl	2	20	21.0	105		60	140
PB166750BS	PB166750BS	Tetrachloro-m-xylene	1	20	23.0	115		32	144
		Decachlorobiphenyl	1	20	22.2	111		32	175
		Tetrachloro-m-xylene	2	20	22.5	113		32	144
		Decachlorobiphenyl	2	20	21.5	108		32	175
Q1378-01	1A-1B-1C 1985-STONE-BAND	Tetrachloro-m-xylene	1	20	25.7	128		32	144
		Decachlorobiphenyl	1	20	25.0	125		32	175
		Tetrachloro-m-xylene	2	20	26.9	135		32	144
		Decachlorobiphenyl	2	20	24.9	125		32	175
Q1378-02	2A-2B-2C 1928 ROOF-1	Tetrachloro-m-xylene	1	20	27.2	136		32	144
		Decachlorobiphenyl	1	20	25.3	127		32	175
		Tetrachloro-m-xylene	2	20	27.1	135		32	144
		Decachlorobiphenyl	2	20	26.3	131		32	175
I.BLK-PP069825.D	PIBLK-PP069825.D	Tetrachloro-m-xylene	1	20	22.2	111		60	140
		Decachlorobiphenyl	1	20	20.6	103		60	140
		Tetrachloro-m-xylene	2	20	21.9	110		60	140
		Decachlorobiphenyl	2	20	20.6	103		60	140
I.BLK-PP069831.D	PIBLK-PP069831.D	Tetrachloro-m-xylene	1	20	23.3	116		60	140
		Decachlorobiphenyl	1	20	22.6	113		60	140
		Tetrachloro-m-xylene	2	20	23.0	115		60	140
		Decachlorobiphenyl	2	20	21.9	109		60	140
PB166750BL	PB166750BL	Tetrachloro-m-xylene	1	20	24.6	123		32	144
		Decachlorobiphenyl	1	20	23.6	118		32	175
		Tetrachloro-m-xylene	2	20	24.3	121		32	144
		Decachlorobiphenyl	2	20	22.6	113		32	175
Q1378-03	3A-3B-3C 1985 BUILD	Tetrachloro-m-xylene	1	20	24.3	121		32	144
		Decachlorobiphenyl	1	20	19.9	99		32	175
		Tetrachloro-m-xylene	2	20	23.2	116		32	144
		Decachlorobiphenyl	2	20	84.5	423	*	32	175
I.BLK-PP069846.D	PIBLK-PP069846.D	Tetrachloro-m-xylene	1	20	23.1	116		60	140
		Decachlorobiphenyl	1	20	22.2	111		60	140
		Tetrachloro-m-xylene	2	20	22.9	115		60	140
		Decachlorobiphenyl	2	20	22.9	114		60	140

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1378

Client: ATC Group Services LLC

Analytical Method: 8082A **Datafile :** PP069814.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166750BS	AR1016	166.6	150	ug/kg	90				71	120	
	AR1260	166.6	147	ug/kg	88				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166750BL

Lab Name: CHEMTECH Contract: ATCE02

Lab Code: CHEM Case No.: Q1378 SAS No.: Q1378 SDG NO.: Q1378

Lab Sample ID: PB166750BL Lab File ID: PP069833.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 02/18/2025

Date Analyzed (1): 02/19/2025 Date Analyzed (2): 02/19/2025

Time Analyzed (1): 10:44 Time Analyzed (2): 10:44

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB166750BS	PB166750BS	PP069814.D	02/18/2025	02/18/2025
1A-1B-1C 1985-STONE-BAND	Q1378-01	PP069815.D	02/18/2025	02/18/2025
2A-2B-2C 1928 ROOF-1	Q1378-02	PP069816.D	02/18/2025	02/18/2025
3A-3B-3C 1985 BUILD	Q1378-03	PP069836.D	02/19/2025	02/19/2025

COMMENTS:

SAMPLE DATA

Raw Data: **PP069815.D**

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

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/17/25
Project:	P.S. 29 Queens - 2022SCA425	Date Received:	02/17/25
Client Sample ID:	1A-1B-1C 1985-STONE-BAND	SDG No.:	Q1378
Lab Sample ID:	Q1378-01	Matrix:	CAULK
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	5.98 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069815.D	1	02/18/25 08:08	02/18/25 14:32	PB166750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	17.0	U	17.0	85.3	ug/kg
11104-28-2	Aroclor-1221	32.2	U	32.2	85.3	ug/kg
11141-16-5	Aroclor-1232	17.1	U	17.1	85.3	ug/kg
53469-21-9	Aroclor-1242	17.0	U	17.0	85.3	ug/kg
12672-29-6	Aroclor-1248	39.6	U	39.6	85.3	ug/kg
11097-69-1	Aroclor-1254	13.7	U	13.7	85.3	ug/kg
37324-23-5	Aroclor-1262	22.9	U	22.9	85.3	ug/kg
11100-14-4	Aroclor-1268	17.2	U	17.2	85.3	ug/kg
11096-82-5	Aroclor-1260	14.6	U	14.6	85.3	ug/kg
Total PCBs	Total PCBs	39.6	U	39.6	85.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.9		32 - 144	135%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.0		32 - 175	125%	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: **PP069815.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021825\
Data File : PP069815.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2025 14:32
Operator : YP\AJ
Sample : Q1378-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
1A-1B-1C 1985-STONE-BAND

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/19/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 18 14:59:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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...	4.525	3.829	36767821	24033291	25.685m	26.927m
2)	SA Decachlor...	10.256	8.890	27335717	27878349	25.012	24.925
	Target Compounds						

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

Sample Results: **PP069815.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021825\
Data File : PP069815.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2025 14:32
Operator : YP\AJ
Sample : Q1378-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

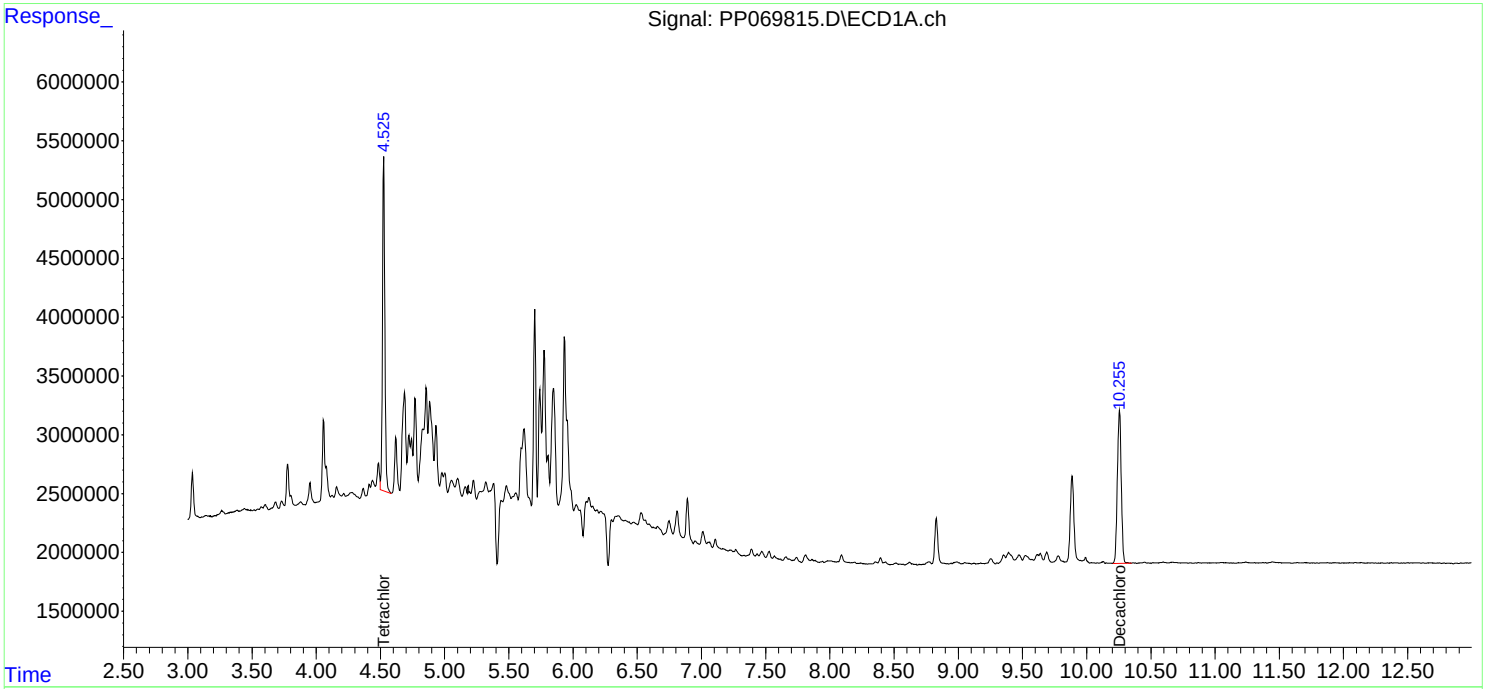
Instrument :
ECD_P
ClientSampleId :
1A-1B-1C 1985-STONE-BAND

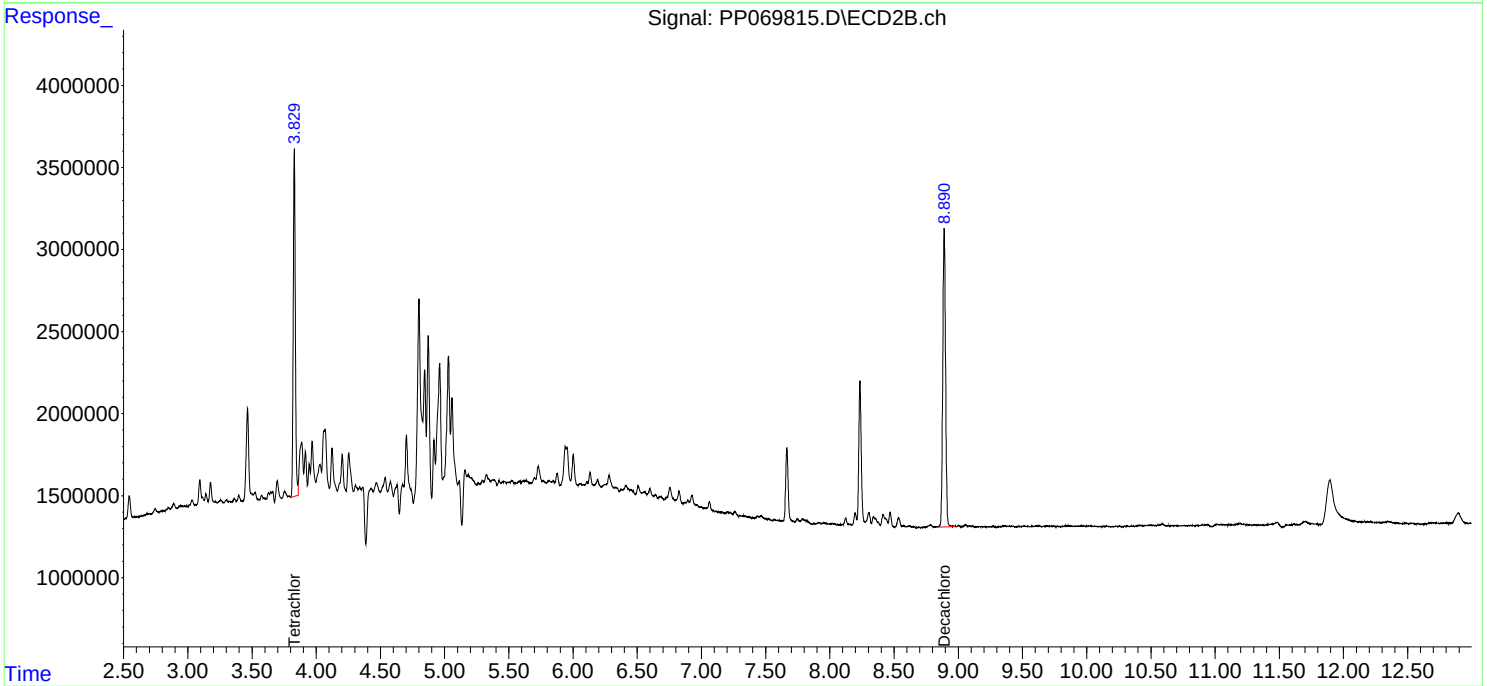
Manual Integrations APPROVED

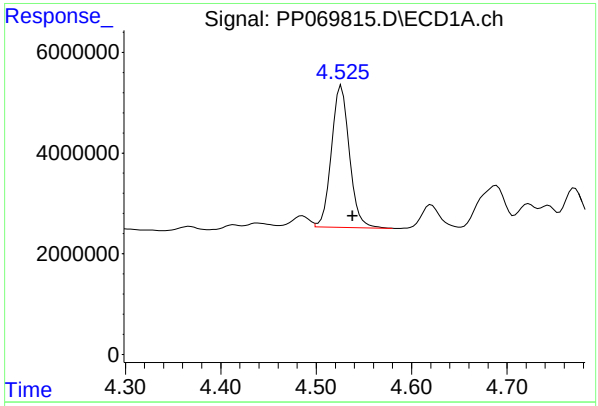
Reviewed By :Yogesh Patel 02/19/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 18 14:59:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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







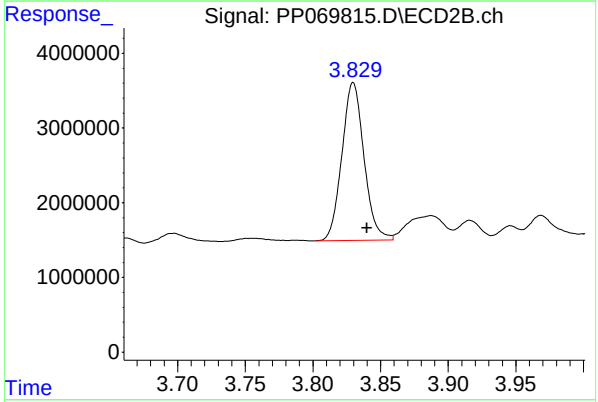
#1 Tetrachloro-m-xylene

R.T.: 4.525 min
Delta R.T.: -0.013 min
Response: 36767821
Conc: 25.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
1A-1B-1C 1985-STONE-BAND

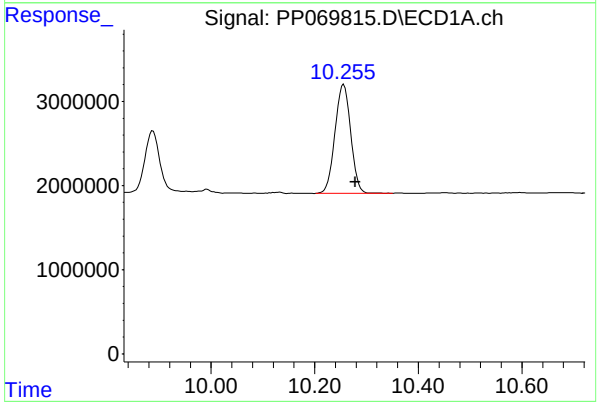
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/19/2025
Supervised By :Ankita Jodhani 02/20/2025



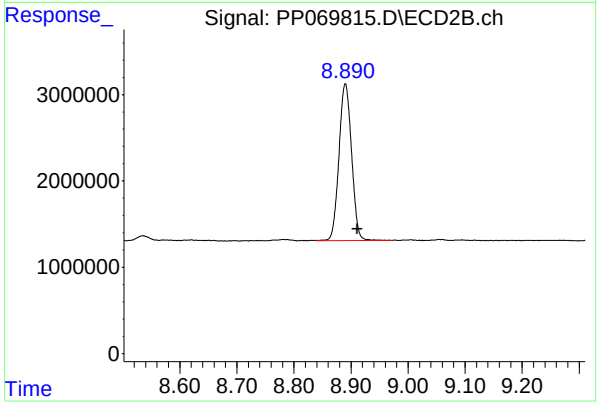
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 24033291
Conc: 26.93 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.256 min
Delta R.T.: -0.023 min
Response: 27335717
Conc: 25.01 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.890 min
Delta R.T.: -0.021 min
Response: 27878349
Conc: 24.93 ng/ml

Raw Data: **PP069816.D**

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

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/17/25
Project:	P.S. 29 Queens - 2022SCA425	Date Received:	02/17/25
Client Sample ID:	2A-2B-2C 1928 ROOF-1	SDG No.:	Q1378
Lab Sample ID:	Q1378-02	Matrix:	CAULK
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	1.77 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069816.D	1	02/18/25 08:08	02/18/25 14:48	PB166750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	57.5	U	57.5	288	ug/kg
11104-28-2	Aroclor-1221	109	U	109	288	ug/kg
11141-16-5	Aroclor-1232	57.6	U	57.6	288	ug/kg
53469-21-9	Aroclor-1242	57.5	U	57.5	288	ug/kg
12672-29-6	Aroclor-1248	134	U	134	288	ug/kg
11097-69-1	Aroclor-1254	46.3	U	46.3	288	ug/kg
37324-23-5	Aroclor-1262	77.5	U	77.5	288	ug/kg
11100-14-4	Aroclor-1268	58.1	U	58.1	288	ug/kg
11096-82-5	Aroclor-1260	49.3	U	49.3	288	ug/kg
Total PCBs	Total PCBs	134	U	134	288	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	27.2		32 - 144	136%	SPK: 20
2051-24-3	Decachlorobiphenyl	26.3		32 - 175	131%	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: **PP069816.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021825\
Data File : PP069816.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2025 14:48
Operator : YP\AJ
Sample : Q1378-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
2A-2B-2C 1928 ROOF-1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/19/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 18 15:00:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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...	4.525	3.830	38962552	24169522	27.218	27.080m
2)	SA Decachlor...	10.253	8.891	27690524	29362282	25.337m	26.252
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021825\
Data File : PP069816.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2025 14:48
Operator : YP\AJ
Sample : Q1378-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

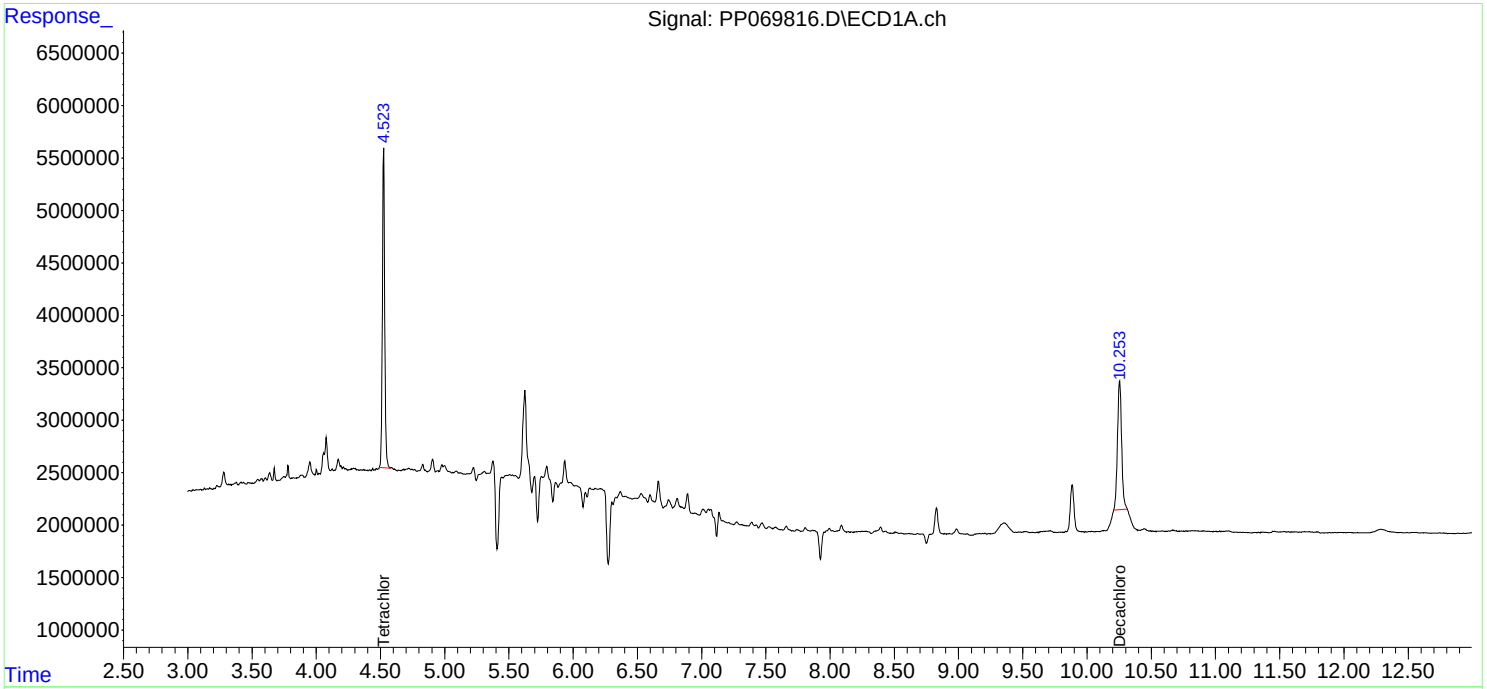
Instrument :
ECD_P
ClientSampleId :
2A-2B-2C 1928 ROOF-1

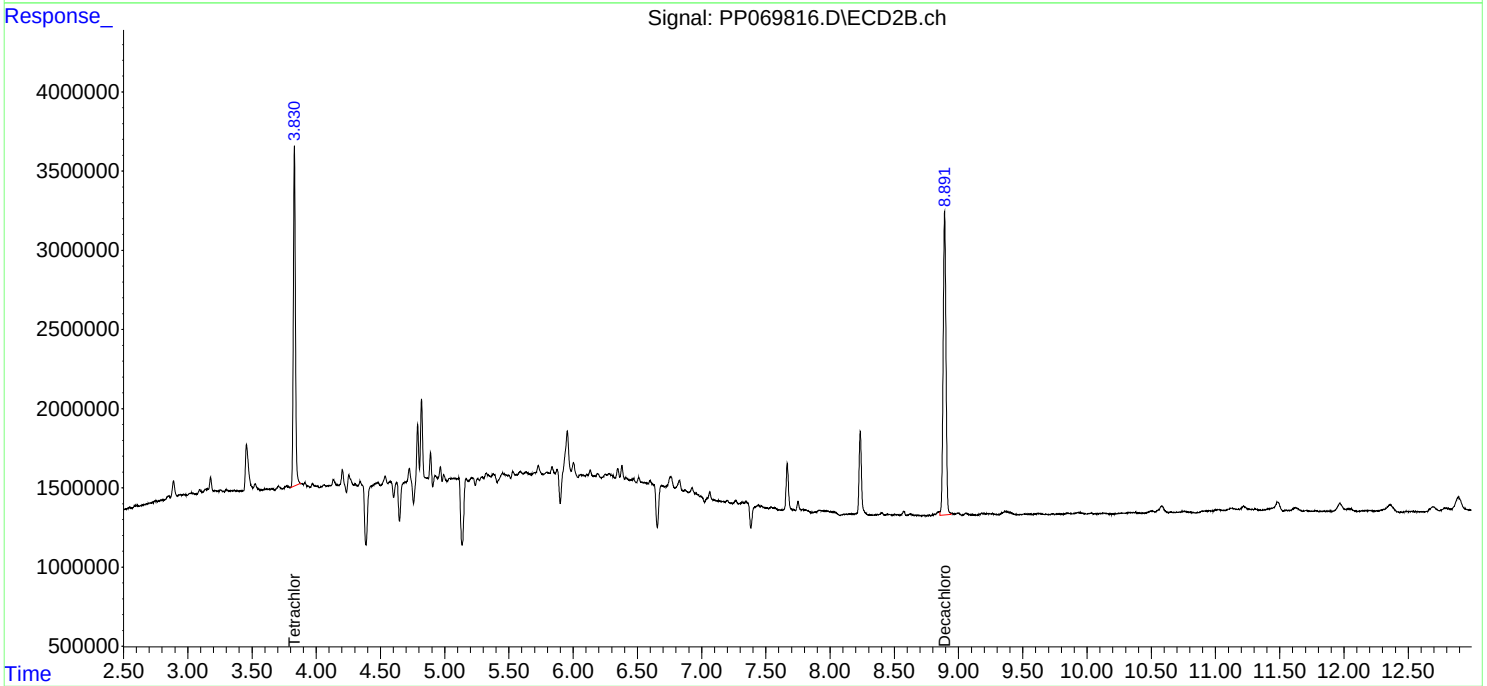
Manual Integrations APPROVED

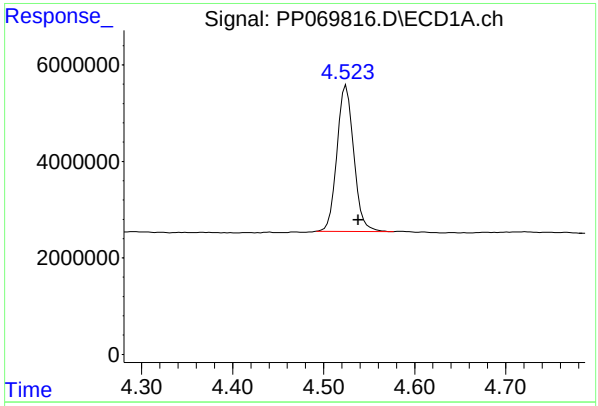
Reviewed By :Yogesh Patel 02/19/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 18 15:00:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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







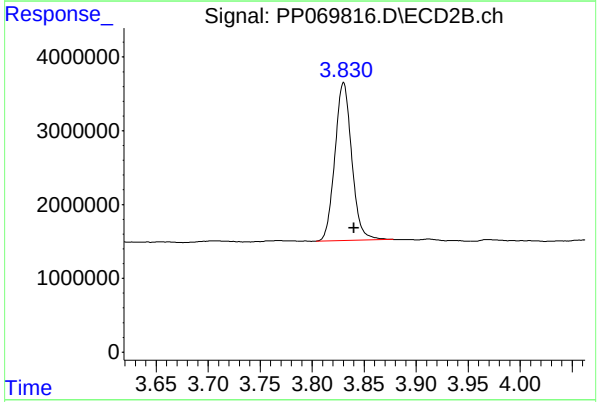
#1 Tetrachloro-m-xylene

R.T.: 4.525 min
Delta R.T.: -0.013 min
Response: 38962552
Conc: 27.22 ng/ml

Instrument :
ECD_P
ClientSampleId :
2A-2B-2C 1928 ROOF-1

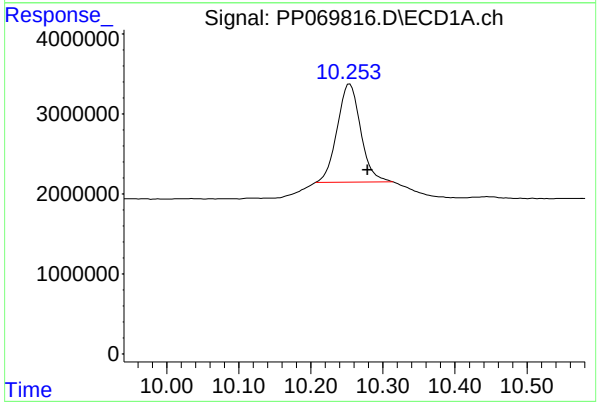
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/19/2025
Supervised By :Ankita Jodhani 02/20/2025



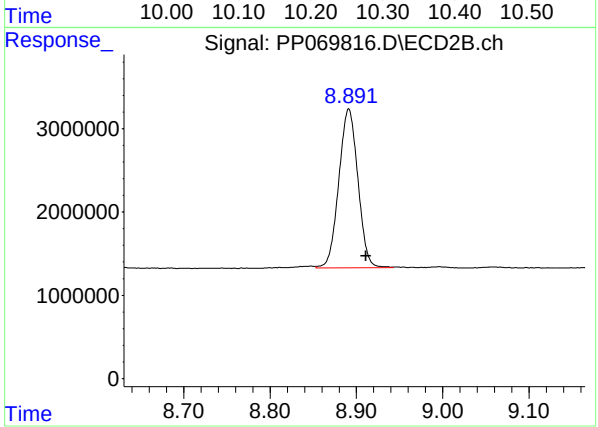
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: -0.010 min
Response: 24169522
Conc: 27.08 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: -0.026 min
Response: 27690524
Conc: 25.34 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.891 min
Delta R.T.: -0.020 min
Response: 29362282
Conc: 26.25 ng/ml

Raw Data: **PP069836.D**

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

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/17/25
Project:	P.S. 29 Queens - 2022SCA425	Date Received:	02/17/25
Client Sample ID:	3A-3B-3C 1985 BUILD	SDG No.:	Q1378
Lab Sample ID:	Q1378-03	Matrix:	CAULK
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	1.61 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069836.D	1	02/18/25 08:08	02/19/25 11:33	PB166750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	63.2	U	63.2	317	ug/kg
11104-28-2	Aroclor-1221	119	U	119	317	ug/kg
11141-16-5	Aroclor-1232	63.4	U	63.4	317	ug/kg
53469-21-9	Aroclor-1242	63.2	U	63.2	317	ug/kg
12672-29-6	Aroclor-1248	147	U	147	317	ug/kg
11097-69-1	Aroclor-1254	50.9	U	50.9	317	ug/kg
37324-23-5	Aroclor-1262	85.2	U	85.2	317	ug/kg
11100-14-4	Aroclor-1268	63.9	U	63.9	317	ug/kg
11096-82-5	Aroclor-1260	54.2	U	54.2	317	ug/kg
Total PCBs	Total PCBs	147	U	147	317	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.3		32 - 144	121%	SPK: 20
2051-24-3	Decachlorobiphenyl	84.5	*	32 - 175	423%	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: **PP069836.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069836.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 11:33
Operator : YP\AJ
Sample : Q1378-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
3A-3B-3C 1985 BUILD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 13:45:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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...	4.524	3.827	34726602	20670214	24.259	23.159m
2)	SA Decachlor...	10.255	8.877	21723013	94550087	19.877m	84.534m#
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069836.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 11:33
Operator : YP\AJ
Sample : Q1378-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

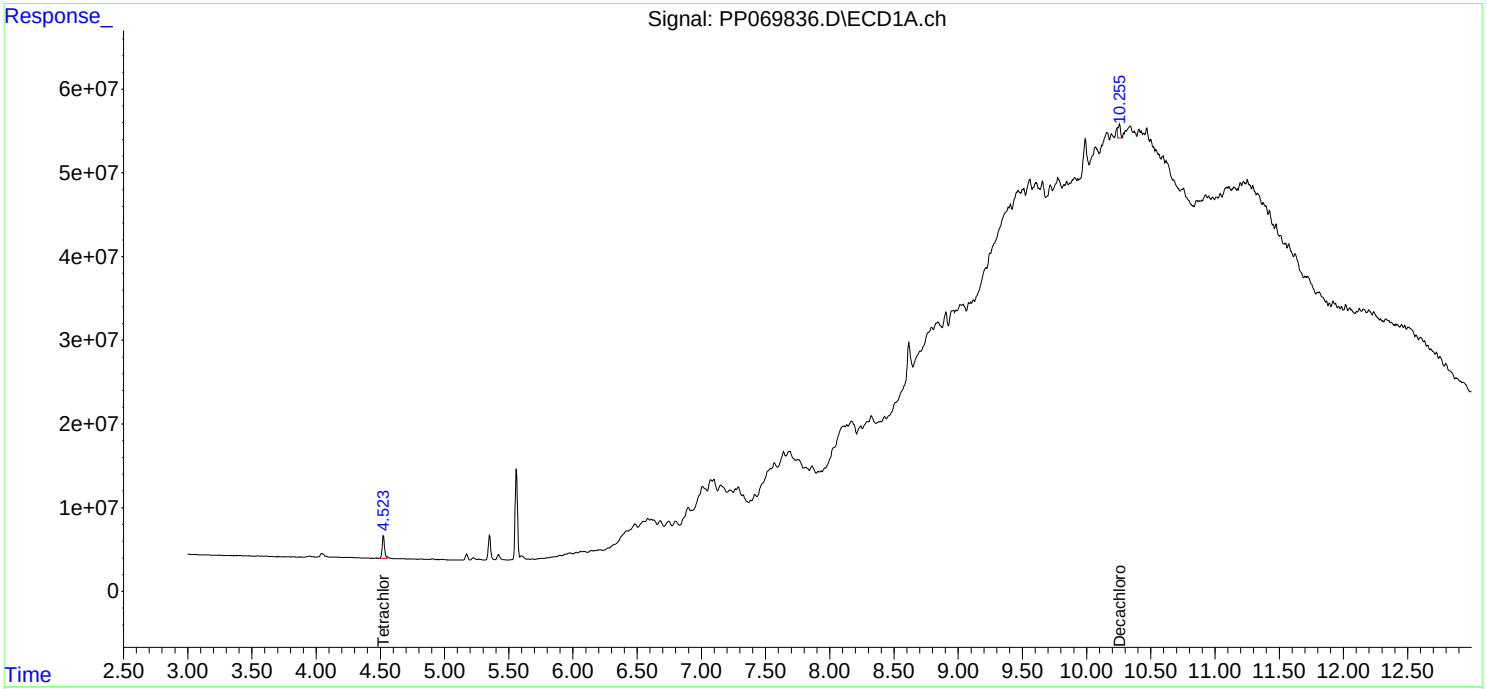
Instrument :
ECD_P
ClientSampleId :
3A-3B-3C 1985 BUILD

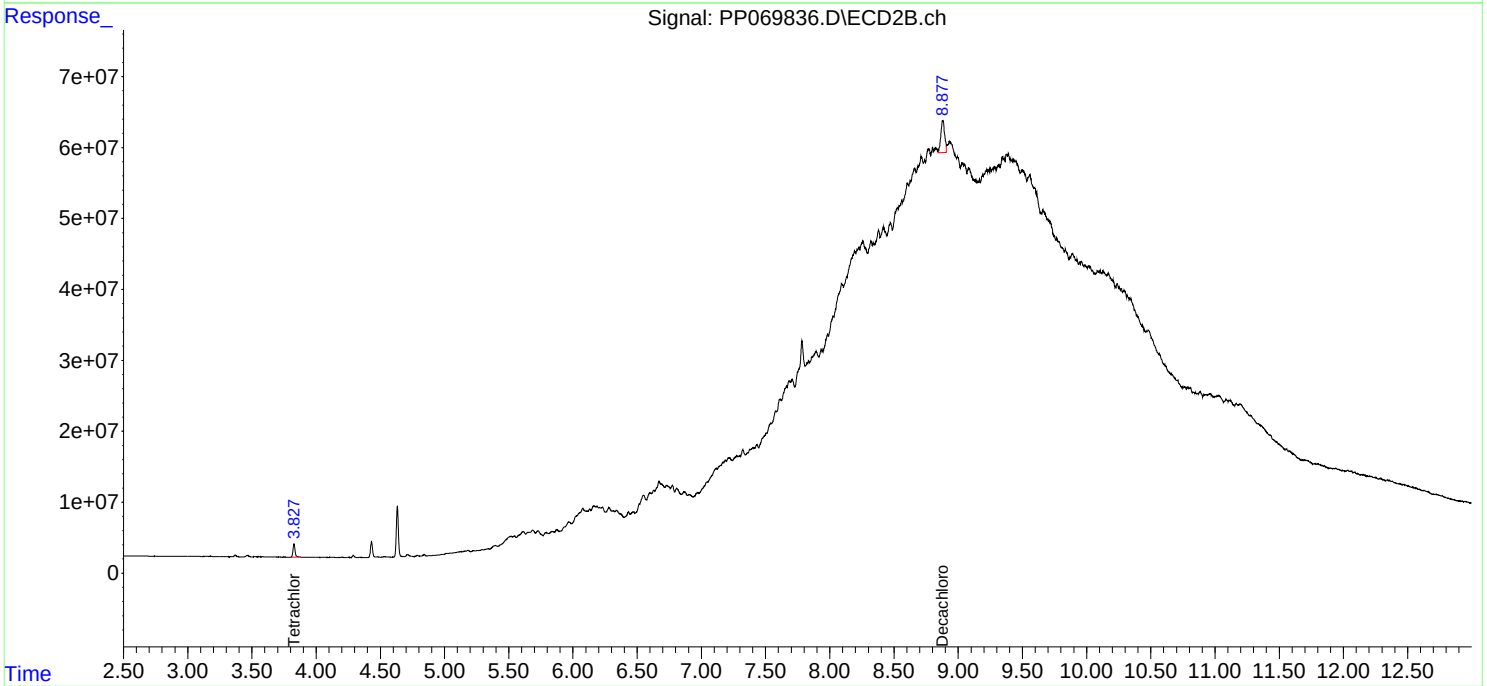
Manual Integrations APPROVED

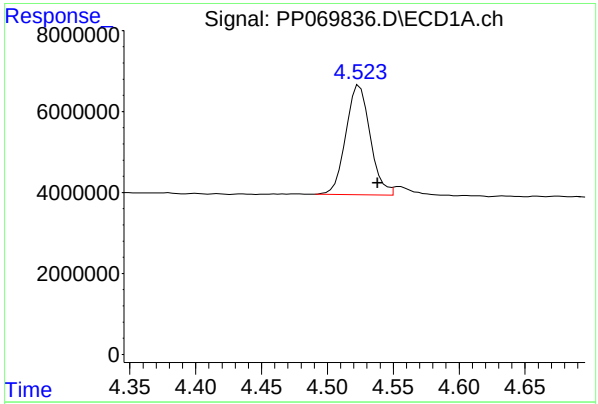
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 13:45:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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







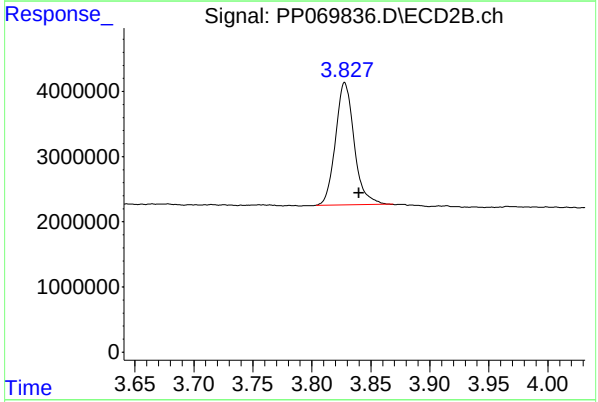
#1 Tetrachloro-m-xylene

R.T.: 4.524 min
Delta R.T.: -0.014 mi
Response: 34726602
Conc: 24.26 ng/m

Instrument :
ECD_P
ClientSampleId :
3A-3B-3C 1985 BUILD

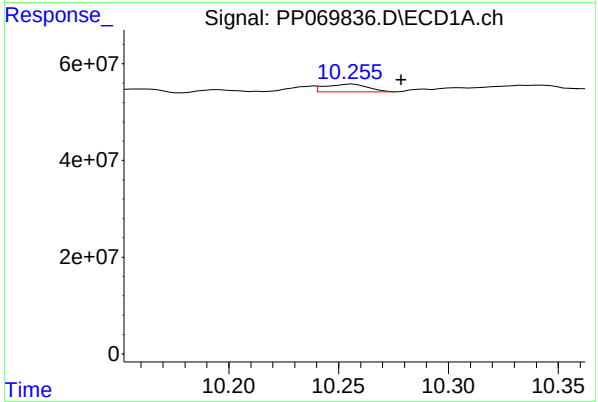
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



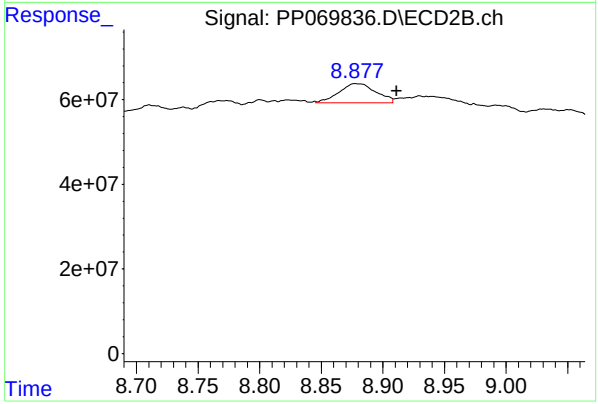
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: -0.013 min
Response: 20670214
Conc: 23.16 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: -0.023 min
Response: 21723013
Conc: 19.88 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.877 min
Delta R.T.: -0.034 min
Response: 94550087
Conc: 84.53 ng/ml m

CALIBRATION SUMMARY

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

Instrument ID: ECD_P **Calibration Date(s):** 01/28/2025 01/28/2025

Calibration Times: 09:37 17:30

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

LAB FILE ID: RT 1000 = PP069265.D RT 750 = PP069266.D

RT 500 = PP069267.D RT 250 = PP069268.D RT 050 = PP069269.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1016-2	(2)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1016-3	(3)	5.78	5.77	5.78	5.77	5.78	5.78	5.68	5.88
Aroclor-1016-4	(4)	5.87	5.87	5.87	5.87	5.87	5.87	5.77	5.97
Aroclor-1016-5	(5)	6.17	6.17	6.17	6.16	6.17	6.17	6.07	6.27
Aroclor-1260-1	(1)	7.29	7.29	7.29	7.28	7.29	7.29	7.19	7.39
Aroclor-1260-2	(2)	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
Aroclor-1260-3	(3)	7.90	7.90	7.90	7.90	7.90	7.90	7.80	8.00
Aroclor-1260-4	(4)	8.12	8.12	8.13	8.12	8.12	8.12	8.02	8.22
Aroclor-1260-5	(5)	8.45	8.45	8.45	8.44	8.45	8.45	8.35	8.55
Decachlorobiphenyl		10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene		4.54	4.54	4.54	4.53	4.54	4.54	4.44	4.64
Aroclor-1242-1	(1)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1242-2	(2)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1242-3	(3)	5.78	5.78	5.77	5.78	5.77	5.78	5.68	5.88
Aroclor-1242-4	(4)	5.87	5.87	5.87	5.87	5.87	5.87	5.77	5.97
Aroclor-1242-5	(5)	6.61	6.60	6.60	6.61	6.60	6.60	6.50	6.70
Decachlorobiphenyl		10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene		4.54	4.54	4.54	4.54	4.54	4.54	4.44	4.64
Aroclor-1248-1	(1)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1248-2	(2)	5.96	5.96	5.97	5.96	5.96	5.96	5.86	6.06
Aroclor-1248-3	(3)	6.17	6.17	6.17	6.17	6.17	6.17	6.07	6.27
Aroclor-1248-4	(4)	6.57	6.56	6.57	6.56	6.57	6.57	6.47	6.67
Aroclor-1248-5	(5)	6.60	6.60	6.61	6.60	6.60	6.60	6.50	6.70
Decachlorobiphenyl		10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene		4.54	4.54	4.54	4.54	4.54	4.54	4.44	4.64
Aroclor-1254-1	(1)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Aroclor-1254-2	(2)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Aroclor-1254-3	(3)	7.12	7.12	7.12	7.12	7.12	7.12	7.02	7.22
Aroclor-1254-4	(4)	7.40	7.41	7.40	7.40	7.41	7.40	7.30	7.50
Aroclor-1254-5	(5)	7.82	7.82	7.82	7.82	7.82	7.82	7.72	7.92
Decachlorobiphenyl		10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene		4.54	4.54	4.53	4.54	4.54	4.54	4.44	4.64
Aroclor-1268-1	(1)	8.76	8.76	8.76	8.78	8.76	8.77	8.67	8.87
Aroclor-1268-2	(2)	8.86	8.86	8.86	8.87	8.86	8.86	8.76	8.96
Aroclor-1268-3	(3)	9.09	9.09	9.09	9.11	9.09	9.10	9.00	9.20
Aroclor-1268-4	(4)	9.51	9.51	9.51	9.53	9.51	9.51	9.41	9.61
Aroclor-1268-5	(5)	9.93	9.94	9.93	9.95	9.93	9.94	9.84	10.04

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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.28	10.28	10.28	10.29	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene	4.54	4.54	4.54	4.55	4.54	4.54	4.44	4.64

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

Instrument ID: ECD_P **Calibration Date(s):** 01/28/2025 01/28/2025

Calibration Times: 09:37 17:30

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

LAB FILE ID: RT 1000 = PP069265.D RT 750 = PP069266.D

RT 500 = PP069267.D RT 250 = PP069268.D RT 050 = PP069269.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Aroclor-1016-2	(2)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1016-3	(3)	5.13	5.13	5.13	5.13	5.13	5.13	5.03	5.23
Aroclor-1016-4	(4)	5.17	5.17	5.17	5.17	5.17	5.17	5.07	5.27
Aroclor-1016-5	(5)	5.39	5.39	5.39	5.39	5.39	5.39	5.29	5.49
Aroclor-1260-1	(1)	6.43	6.43	6.43	6.43	6.43	6.43	6.33	6.53
Aroclor-1260-2	(2)	6.62	6.62	6.62	6.62	6.61	6.62	6.52	6.72
Aroclor-1260-3	(3)	6.77	6.77	6.77	6.77	6.77	6.77	6.67	6.87
Aroclor-1260-4	(4)	7.24	7.24	7.24	7.24	7.24	7.24	7.14	7.34
Aroclor-1260-5	(5)	7.48	7.48	7.48	7.48	7.48	7.48	7.38	7.58
Decachlorobiphenyl		8.91	8.91	8.91	8.91	8.91	8.91	8.81	9.01
Tetrachloro-m-xylene		3.84	3.84	3.84	3.84	3.84	3.84	3.74	3.94
Aroclor-1242-1	(1)	4.93	4.93	4.94	4.93	4.93	4.93	4.83	5.03
Aroclor-1242-2	(2)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1242-3	(3)	5.13	5.13	5.13	5.13	5.13	5.13	5.03	5.23
Aroclor-1242-4	(4)	5.21	5.22	5.22	5.21	5.22	5.22	5.12	5.32
Aroclor-1242-5	(5)	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Decachlorobiphenyl		8.91	8.91	8.91	8.91	8.91	8.91	8.81	9.01
Tetrachloro-m-xylene		3.84	3.84	3.84	3.84	3.84	3.84	3.74	3.94
Aroclor-1248-1	(1)	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Aroclor-1248-2	(2)	5.17	5.17	5.17	5.17	5.17	5.17	5.07	5.27
Aroclor-1248-3	(3)	5.22	5.22	5.22	5.21	5.22	5.22	5.12	5.32
Aroclor-1248-4	(4)	5.39	5.39	5.39	5.39	5.39	5.39	5.29	5.49
Aroclor-1248-5	(5)	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
Decachlorobiphenyl		8.91	8.91	8.91	8.91	8.91	8.91	8.81	9.01
Tetrachloro-m-xylene		3.84	3.84	3.84	3.84	3.84	3.84	3.74	3.94
Aroclor-1254-1	(1)	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Aroclor-1254-2	(2)	5.89	5.89	5.89	5.89	5.89	5.89	5.79	5.99
Aroclor-1254-3	(3)	6.30	6.30	6.30	6.30	6.30	6.30	6.20	6.40
Aroclor-1254-4	(4)	6.52	6.53	6.52	6.53	6.53	6.52	6.42	6.62
Aroclor-1254-5	(5)	6.94	6.95	6.94	6.94	6.94	6.94	6.84	7.04
Decachlorobiphenyl		8.91	8.91	8.91	8.91	8.91	8.91	8.81	9.01
Tetrachloro-m-xylene		3.84	3.84	3.84	3.84	3.84	3.84	3.74	3.94
Aroclor-1268-1	(1)	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Aroclor-1268-2	(2)	7.83	7.83	7.83	7.83	7.83	7.83	7.73	7.93
Aroclor-1268-3	(3)	8.04	8.04	8.04	8.04	8.04	8.04	7.94	8.14
Aroclor-1268-4	(4)	8.34	8.34	8.34	8.34	8.34	8.34	8.24	8.44
Aroclor-1268-5	(5)	8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74

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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.91	8.91	8.91	8.91	8.91	8.91	8.81	9.01
Tetrachloro-m-xylene	3.84	3.84	3.84	3.84	3.84	3.84	3.74	3.94

Raw Data

Alliance TECHNICAL GROUP

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

Instrument ID: ECD_P **Calibration Date(s):** 01/28/2025 01/28/2025

Calibration Times: 09:37 17:30

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

LAB FILE ID: **CF 1000 =** PP069265.D **CF 750 =** PP069266.D

CF 500 = PP069267.D **CF 250 =** PP069268.D **CF 050 =** PP069269.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	44563885	46103675	49194740	50253212	41549440	46332990	8
Aroclor-1016-2	(2)	66115347	69779753	70658198	75938800	56893880	67877196	10
Aroclor-1016-3	(3)	39869399	41463369	44413634	48593324	38643280	42596601	9
Aroclor-1016-4	(4)	33707176	35303807	36719774	37971988	31299580	35000465	7
Aroclor-1016-5	(5)	32090736	33824409	35071540	36758492	27547540	33058543	11
Aroclor-1260-1	(1)	55810838	58374851	61327242	65126844	51541560	58436267	9
Aroclor-1260-2	(2)	71849008	75229505	78748522	85337848	77899600	77812897	6
Aroclor-1260-3	(3)	59639386	62129519	64349302	69276732	57201340	62519256	7
Aroclor-1260-4	(4)	61734973	64735973	67542400	73350432	62520020	65976760	7
Aroclor-1260-5	(5)	125094433	130279153	135629934	144497620	119128460	130925920	7
Decachlorobiphenyl		1069166160	1116444307	1169529200	1243495760	865856800	1092898445	13
Tetrachloro-m-xylene		1430473260	1473828093	1522470140	1571078520	1159551800	1431480363	11
Aroclor-1242-1	(1)	38881934	40183667	43367056	45129572	40964140	41705274	6
Aroclor-1242-2	(2)	57026747	57896231	62116710	63798460	54116520	58990934	7
Aroclor-1242-3	(3)	35212135	35868905	39015138	40586632	34810280	37098618	7
Aroclor-1242-4	(4)	29733477	30521513	32725012	34827232	36166060	32794659	8
Aroclor-1242-5	(5)	31146343	32194257	34488024	36289728	28803300	32584330	9
Decachlorobiphenyl		1046199870	1081727787	1138401280	1175392440	940280400	1076400355	8
Tetrachloro-m-xylene		1435254920	1458364720	1537301860	1551717280	1142408000	1425009356	12
Aroclor-1248-1	(1)	29720774	31068636	32496050	36489328	32420520	32439062	8
Aroclor-1248-2	(2)	40031392	40786873	43476982	45978940	41957800	42446397	6
Aroclor-1248-3	(3)	44249426	45321484	48274812	49262872	47827180	46987155	4
Aroclor-1248-4	(4)	52361428	54561383	58048758	58995000	51639900	55121294	6
Aroclor-1248-5	(5)	50435355	52347879	55697774	57690052	50747900	53383792	6
Decachlorobiphenyl		1037639180	1069858813	1128342940	1177314960	1004783400	1083587859	6
Tetrachloro-m-xylene		1397850760	1441113413	1513274920	1556018920	1233936200	1428438843	9
Aroclor-1254-1	(1)	52694329	56123723	55956580	61395668	63148280	57863716	7
Aroclor-1254-2	(2)	75242428	80121392	80560264	87256592	78028640	80241863	6
Aroclor-1254-3	(3)	78719981	83731985	84853004	89742068	84395060	84288420	5
Aroclor-1254-4	(4)	63293404	67680445	70564640	73119196	66281540	68187845	6
Aroclor-1254-5	(5)	65136323	67898099	69017528	74762784	63416000	68046147	6
Decachlorobiphenyl		1048312770	1098692147	1135082800	1189137760	958537000	1085952495	8
Tetrachloro-m-xylene		1421810410	1488698480	1487019120	1532331840	1227018400	1431375650	8
Aroclor-1268-1	(1)	176588317	184780069	192785674	202822560	125915500	176578424	17

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	157019138	164413571	171697424	179175396	114552180	157371542	16
Aroclor-1268-3	(3)	134437818	140375337	146778962	154508480	92538920	133727903	18
Aroclor-1268-4	(4)	59595033	62280167	64687112	67890812	39150760	58720777	19
Aroclor-1268-5	(5)	388908034	403290352	414501270	436451084	261335260	380897200	18
Decachlorobiphenyl		1754282940	1839272453	1920856020	2033075320	1195912000	1748679747	19
Tetrachloro-m-xylene		1417405090	1481109080	1537248520	1587731960	907526000	1386204130	20

Raw Data

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

Instrument ID: ECD_P

Calibration Date(s): 01/28/2025 01/28/2025

Calibration Times: 09:37 17:30

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

LAB FILE ID: **CF 1000 =** PP069265.D **CF 750 =** PP069266.D

CF 500 = PP069267.D **CF 250 =** PP069268.D **CF 050 =** PP069269.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	31633685	33556627	33480936	37954972	26448920	32615028	13
Aroclor-1016-2	(2)	44031797	46303903	46946506	51687136	35822760	44958420	13
Aroclor-1016-3	(3)	24261336	25813949	25589188	28587740	20167700	24883983	12
Aroclor-1016-4	(4)	19438184	20660733	21000612	23487460	16394360	20196270	13
Aroclor-1016-5	(5)	25297814	26477140	27113278	31243672	23987600	26823901	10
Aroclor-1260-1	(1)	45562804	49216963	49245668	55739104	41383080	48229524	11
Aroclor-1260-2	(2)	56383179	60514057	62488844	68895184	58237140	61303681	8
Aroclor-1260-3	(3)	52562549	57114871	56932784	65734744	68437200	60156430	11
Aroclor-1260-4	(4)	44924385	48584991	47607396	54330272	36891520	46467713	14
Aroclor-1260-5	(5)	110513786	116112688	112600456	126598028	89900460	111145084	12
Decachlorobiphenyl		1081648740	1075757973	1104259920	1329032280	1001721800	1118484143	11
Tetrachloro-m-xylene		895719350	929032907	946597040	991735040	699610200	892538907	13
Aroclor-1242-1	(1)	28457446	29119925	30117864	31061644	25403260	28832028	7
Aroclor-1242-2	(2)	39820013	39941537	41764664	42385248	33077260	39397744	9
Aroclor-1242-3	(3)	22243475	22254861	23816158	23489144	20716780	22504084	5
Aroclor-1242-4	(4)	21211563	21374985	23120084	22340476	19864100	21582242	6
Aroclor-1242-5	(5)	28383043	28234200	30402778	30060424	26761400	28768369	5
Decachlorobiphenyl		1070572940	1042369120	1225620920	1172941720	1058329800	1113966900	7
Tetrachloro-m-xylene		948008600	922176493	1006063320	982881880	776172200	927060499	10
Aroclor-1248-1	(1)	21330255	20853876	23185376	25262184	19421120	22010562	10
Aroclor-1248-2	(2)	28324001	27797971	30327126	34009348	29864480	30064585	8
Aroclor-1248-3	(3)	29601440	28764189	31580800	34840008	30135060	30984299	8
Aroclor-1248-4	(4)	35306028	34213227	37879582	41180744	36138900	36943696	7
Aroclor-1248-5	(5)	36064443	35808685	37834928	42037920	35201060	37389407	7
Decachlorobiphenyl		980404060	959895520	1126421340	1202320960	1104048600	1074618096	10
Tetrachloro-m-xylene		933404290	928217333	964099100	1014391000	824892400	933000825	7
Aroclor-1254-1	(1)	53877397	54753924	53404230	60667048	52576380	55055796	6
Aroclor-1254-2	(2)	46864995	47439047	46558300	52821560	48160120	48368804	5
Aroclor-1254-3	(3)	74986178	74525173	75336702	83772976	70859440	75896094	6
Aroclor-1254-4	(4)	49801197	49979288	49838494	57136496	49493140	51249723	6
Aroclor-1254-5	(5)	65231257	66669389	67386324	74850464	58664800	66560447	9
Decachlorobiphenyl		1035199210	1139963307	1108865600	1276887280	1138306800	1139844439	8
Tetrachloro-m-xylene		952003350	962162200	938236480	997354800	818278400	933607046	7
Aroclor-1268-1	(1)	145329954	150069627	161518540	160247580	108445040	145122148	15

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	134157524	139030160	148727672	146560884	95601640	132815576	16
Aroclor-1268-3	(3)	115152122	117884433	127017896	124541824	84093360	113737927	15
Aroclor-1268-4	(4)	52741395	55225243	58789156	59095316	34538800	52077982	19
Aroclor-1268-5	(5)	368786226	384323936	391666930	381773968	254352080	356180628	16
Decachlorobiphenyl		1732023730	1823351800	1923257100	1922570920	1314788000	1743198310	14
Tetrachloro-m-xylene		921289540	958710907	983636500	1016257200	585968600	893172549	20

Raw Data

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

Instrument ID: ECD_P **Date(s) Analyzed:** 01/28/2025 01/28/2025

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	4.74	4.64	4.84	19019500
		2	4.82	4.72	4.92	13692500
		3	4.90	4.80	5.00	41943400
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.90	4.80	5.00	33293600
		2	5.42	5.32	5.52	16342000
		3	5.71	5.61	5.81	34359000
		4	5.87	5.77	5.97	17816200
		5	5.96	5.86	6.06	11462400
Aroclor-1262	500	1	8.12	8.02	8.22	79018200
		2	8.45	8.35	8.55	152923000
		3	8.77	8.67	8.87	106280000
		4	8.85	8.75	8.95	81793000
		5	9.51	9.41	9.61	56610200

Raw Data

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

Instrument ID: ECD_P **Date(s) Analyzed:** 01/28/2025 01/28/2025

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	4.05	3.95	4.15	12318000
		2	4.14	4.04	4.24	9683380
		3	4.22	4.12	4.32	29174200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.22	4.12	4.32	23479400
		2	4.95	4.85	5.05	23571800
		3	5.13	5.03	5.23	12947200
		4	5.21	5.11	5.31	11086300
		5	5.39	5.29	5.49	12210300
Aroclor-1262	500	1	6.98	6.88	7.08	71013200
		2	7.24	7.14	7.34	60979400
		3	7.77	7.67	7.87	52299200
		4	7.83	7.73	7.93	92436400
		5	8.34	8.24	8.44	47792200

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069265.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 09:37
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:44:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 10:41:22 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...	4.537	3.840	143.0E6	89571935	96.885	97.257m
2)	SA Decachlor...	10.279	8.911	106.9E6	108.2E6	95.517	98.966
	Target Compounds						
3)	L1 AR-1016-1	5.691	4.934	44563885	31633685	950.609	971.631
4)	L1 AR-1016-2	5.712	4.953	66115347	44031797	966.786	967.963
5)	L1 AR-1016-3	5.775	5.131	39869399	24261336	946.084	973.363
6)	L1 AR-1016-4	5.872	5.172	33707176	19438184	957.224	961.363
7)	L1 AR-1016-5	6.166	5.388	32090736	25297814	955.618	965.361
31)	L7 AR-1260-1	7.286	6.428	55810838	45562804	952.907	961.155
32)	L7 AR-1260-2	7.540	6.616	71849008	56383179	954.186	948.637
33)	L7 AR-1260-3	7.899	6.771	59639386	52562549	962.013	960.087
34)	L7 AR-1260-4	8.124	7.244	61734973	44924385	955.078	971.004
35)	L7 AR-1260-5	8.445	7.484	125.1E6	110.5E6	959.591	990.648

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069265.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 09:37
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

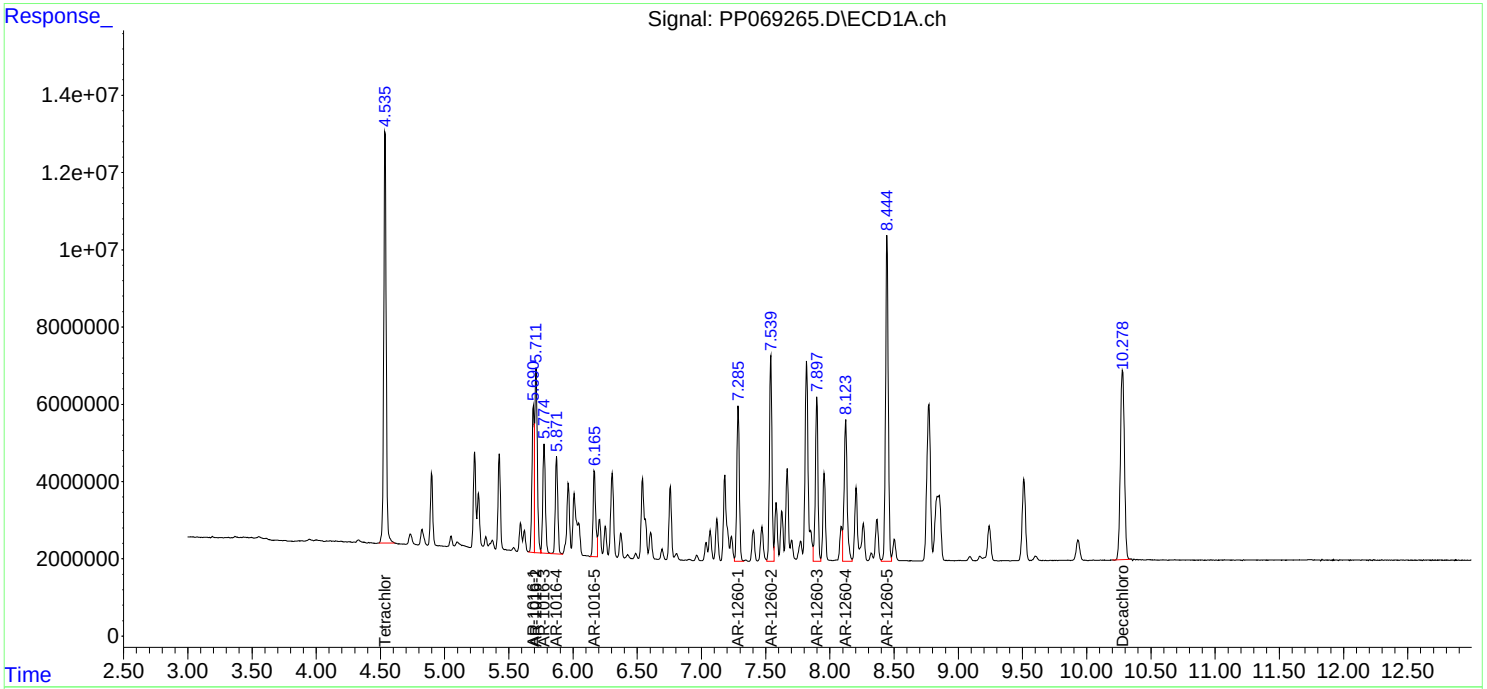
Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

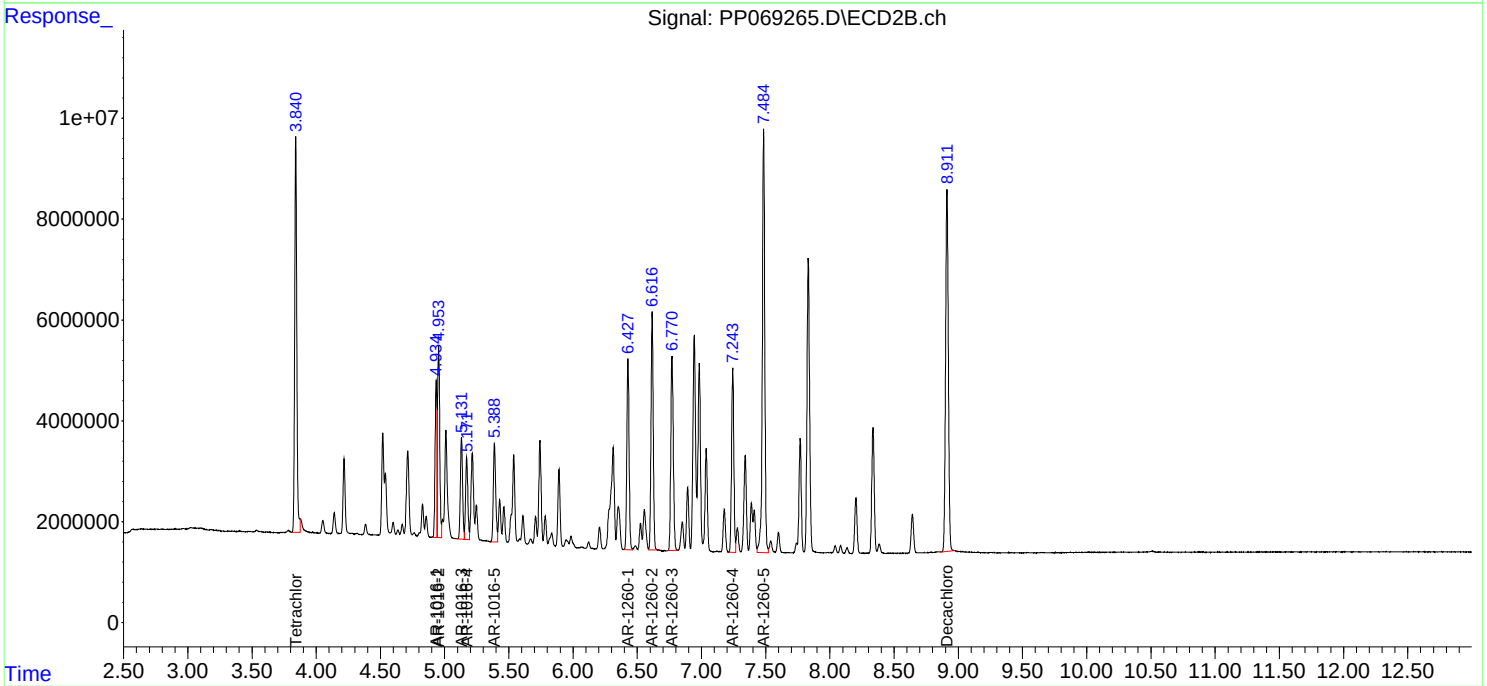
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:44:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 10:41:22 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\PP012825\
Data File : PP069266.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 09:54
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: Jan 28 10:47:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 10:41:22 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...	4.536	3.840	110.5E6	69677468	74.910	75.426
2)	SA Decachlor...	10.277	8.912	83733323	80681848	74.870	74.209
	Target Compounds						
3)	L1 AR-1016-1	5.690	4.933	34577756	25167470	741.681	765.192
4)	L1 AR-1016-2	5.711	4.953	52334815	34727927	760.116	758.902
5)	L1 AR-1016-3	5.774	5.130	31097527	19360462	741.911	767.618
6)	L1 AR-1016-4	5.871	5.172	26477855	15495550	751.282	760.835
7)	L1 AR-1016-5	6.165	5.387	25368307	19857855	753.613	755.164
31)	L7 AR-1260-1	7.285	6.427	43781138	36912722	748.340	768.879
32)	L7 AR-1260-2	7.540	6.615	56422129	45385543	749.540	759.014
33)	L7 AR-1260-3	7.898	6.770	46597139	42836153	751.089	771.312
34)	L7 AR-1260-4	8.123	7.243	48551980	36438743	750.752	774.651
35)	L7 AR-1260-5	8.445	7.483	97709365	87084516	749.681	770.144

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

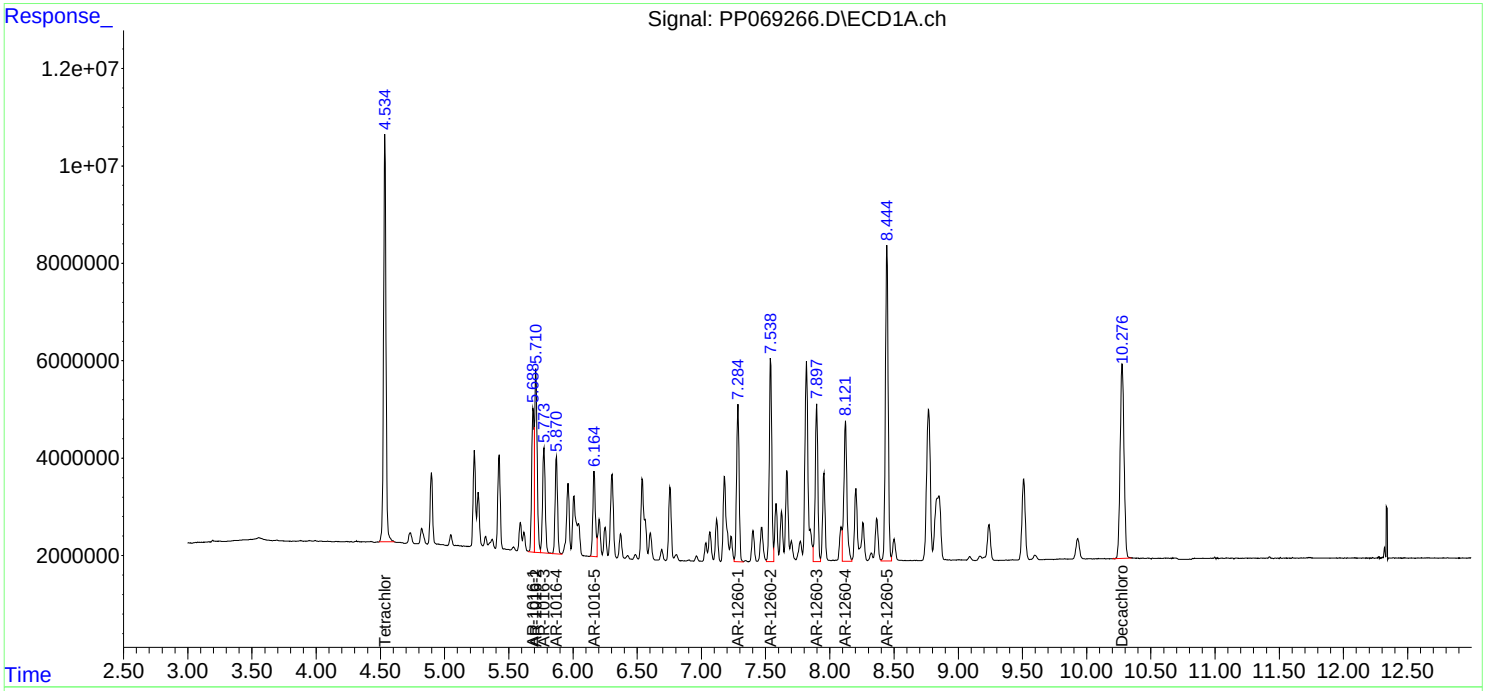
ICAL Form

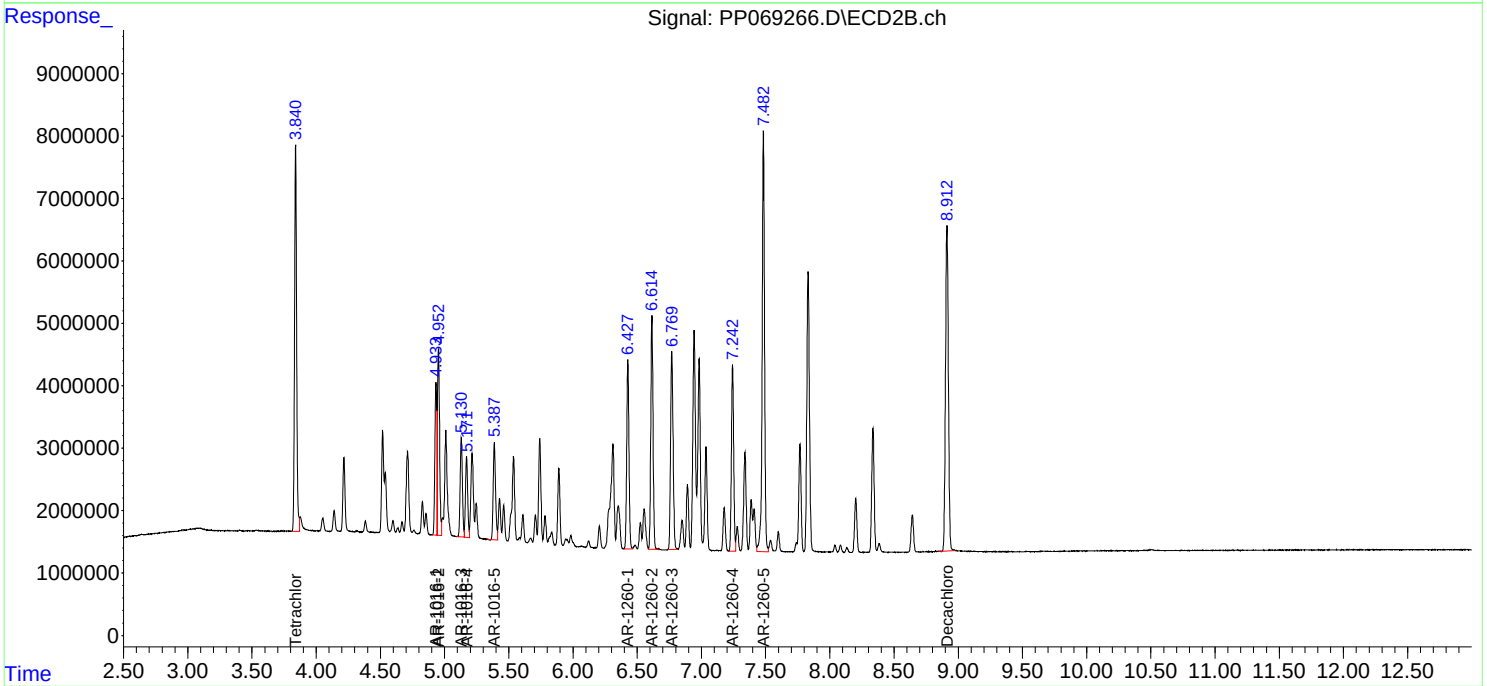
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069266.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 09:54
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 10:41:22 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\PP012825\
Data File : PP069267.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 10:10
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: Jan 28 10:41:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 10:41:22 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...	4.538	3.840	76123507	47329852	50.000	50.000
2)	SA	Decachlor...	10.279	8.911	58476460	55212996	50.000	50.000
	Target Compounds							
3)	L1	AR-1016-1	5.692	4.934	24597370	16740468	500.000	500.000
4)	L1	AR-1016-2	5.714	4.953	35329099	23473253	500.000	500.000
5)	L1	AR-1016-3	5.776	5.130	22206817	12794594	500.000	500.000
6)	L1	AR-1016-4	5.874	5.172	18359887	10500306	500.000	500.000
7)	L1	AR-1016-5	6.167	5.388	17535770	13556639	500.000	500.000
31)	L7	AR-1260-1	7.287	6.426	30663621	24622834	500.000	500.000
32)	L7	AR-1260-2	7.541	6.615	39374261	31244422	500.000	500.000
33)	L7	AR-1260-3	7.900	6.770	32174651	28466392	500.000	500.000
34)	L7	AR-1260-4	8.125	7.242	33771200	23803698	500.000	500.000
35)	L7	AR-1260-5	8.447	7.484	67814967	56300228	500.000	500.000

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

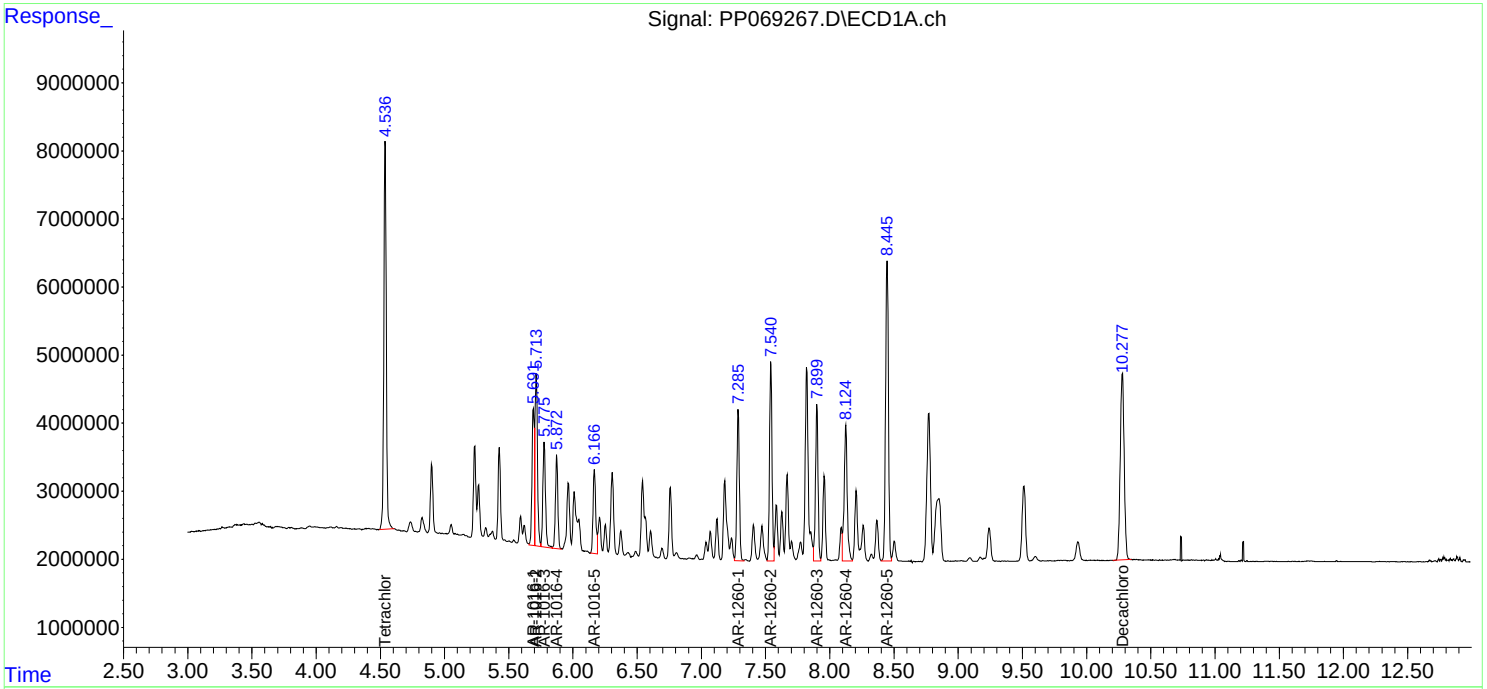
ICAL Form

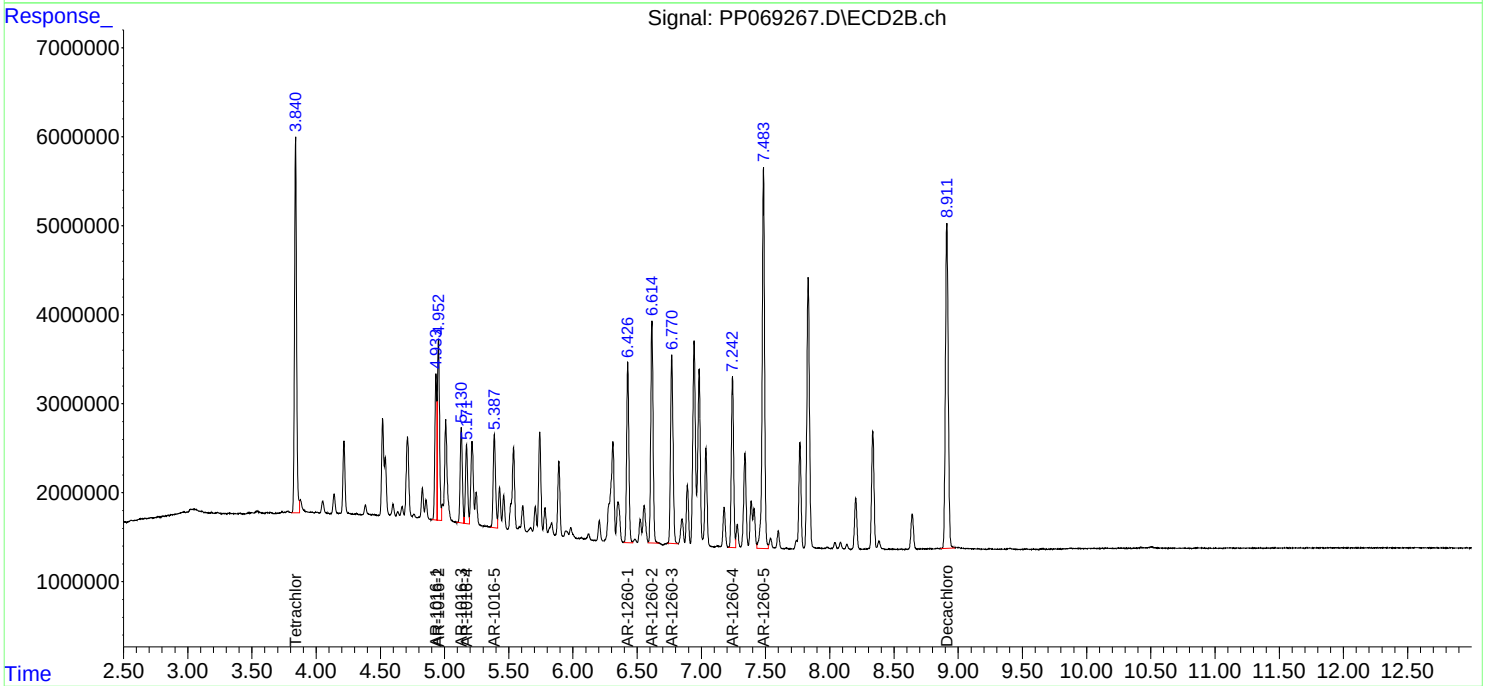
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069267.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 10:10
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:41:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 10:41:22 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\PP012825\
Data File : PP069268.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 10:26
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: Jan 28 10:49:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 10:41:22 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...	4.534	3.840	39276963	24793376	26.194	26.354
2)	SA Decachlor...	10.275	8.911	31087394	33225807	27.041	28.951
	Target Compounds						
3)	L1 AR-1016-1	5.688	4.933	12563303	9488743	264.330	277.802
4)	L1 AR-1016-2	5.711	4.953	18984700	12921784	268.817	273.521
5)	L1 AR-1016-3	5.773	5.130	12148331	7146935	278.728	274.217
6)	L1 AR-1016-4	5.870	5.172	9492997	5871865	264.240	277.672
7)	L1 AR-1016-5	6.164	5.388	9189623	7810918	266.859	283.693
31)	L7 AR-1260-1	7.284	6.426	16281711	13934776	270.640	279.024
32)	L7 AR-1260-2	7.538	6.615	21334462	17223796	274.253	277.488
33)	L7 AR-1260-3	7.897	6.770	17319183	16433686	271.253	282.919
34)	L7 AR-1260-4	8.121	7.242	18337608	13582568	274.347	277.980
35)	L7 AR-1260-5	8.443	7.483	36124405	31649507	269.836	271.772

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

Quantitation Report (QT Reviewed)

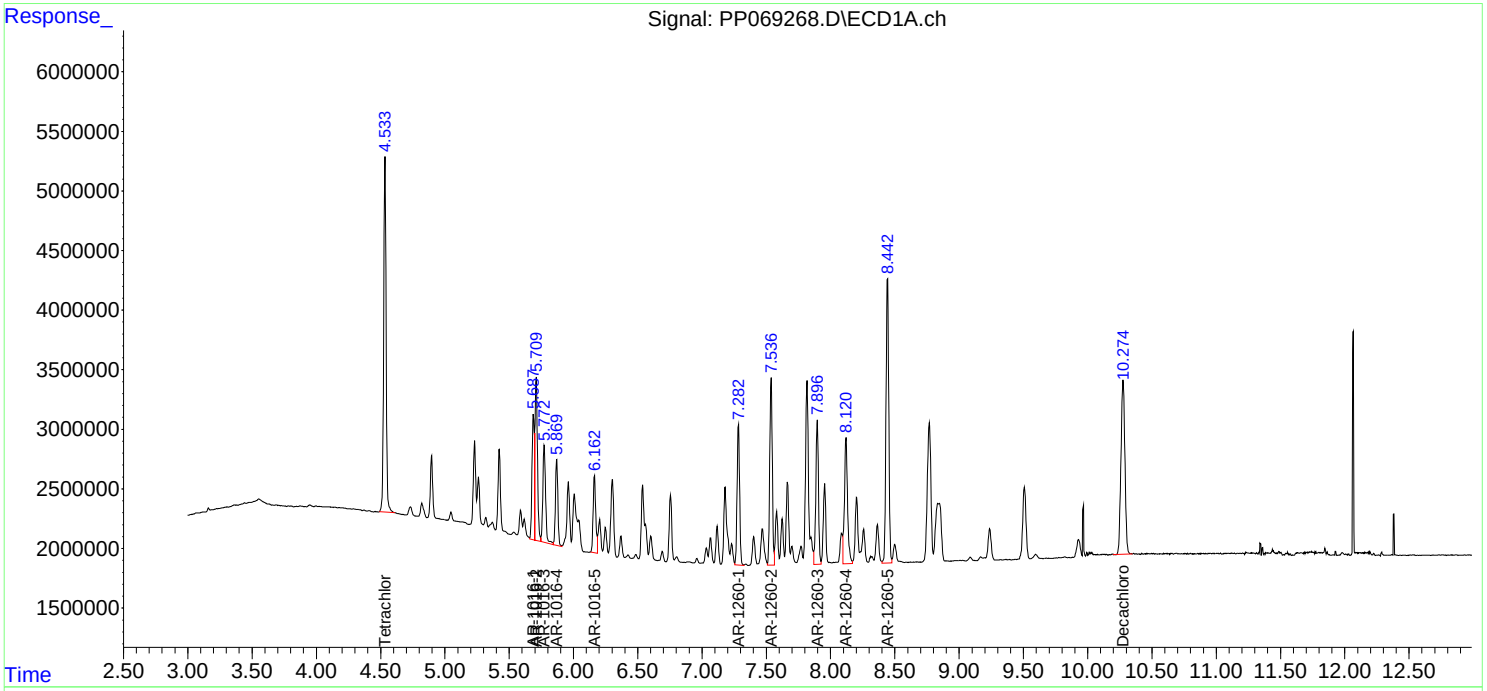
ICAL Form

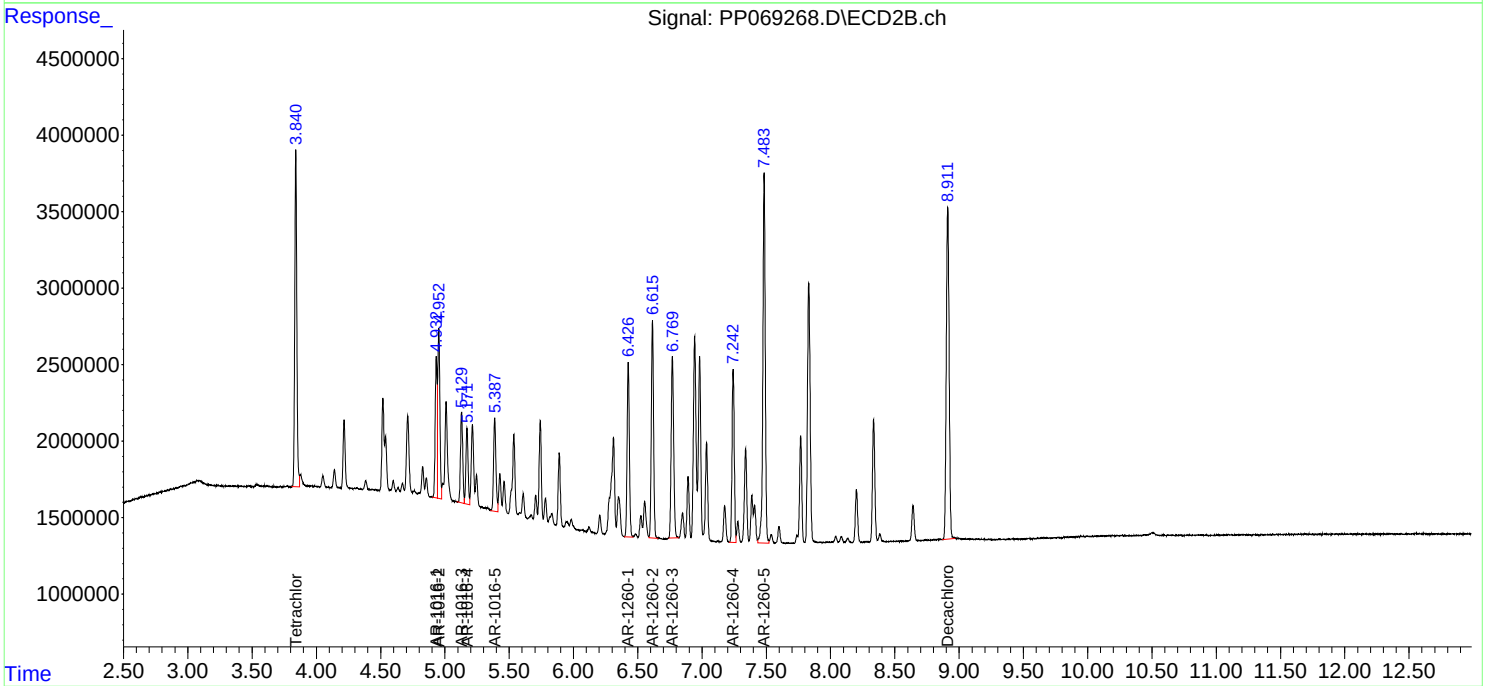
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069268.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 10:26
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:49:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 10:41:22 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\PP012825\
Data File : PP069269.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 11:15
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:26:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 11:25:56 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...	4.537	3.840	5797759	3498051	4.050	3.919
2)	SA Decachlor...	10.277	8.911	4329284	5008609	3.961	4.478
	Target Compounds						
3)	L1 AR-1016-1	5.689	4.933	2077472	1322446	44.838	40.547
4)	L1 AR-1016-2	5.712	4.952	2844694	1791138	41.909	39.840
5)	L1 AR-1016-3	5.775	5.131	1932164	1008385	45.360	40.523
6)	L1 AR-1016-4	5.871	5.171	1564979	819718	44.713	40.588
7)	L1 AR-1016-5	6.165	5.388	1377377	1199380	41.665	44.713
31)	L7 AR-1260-1	7.286	6.427	2577078	2069154	44.101	42.902
32)	L7 AR-1260-2	7.540	6.614	3894980	2911857	50.056	47.499
33)	L7 AR-1260-3	7.899	6.770	2860067	3421860	45.747	56.883
34)	L7 AR-1260-4	8.123	7.242	3126001	1844576	47.380	39.696
35)	L7 AR-1260-5	8.445	7.483	5956423	4495023	45.495	40.443

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

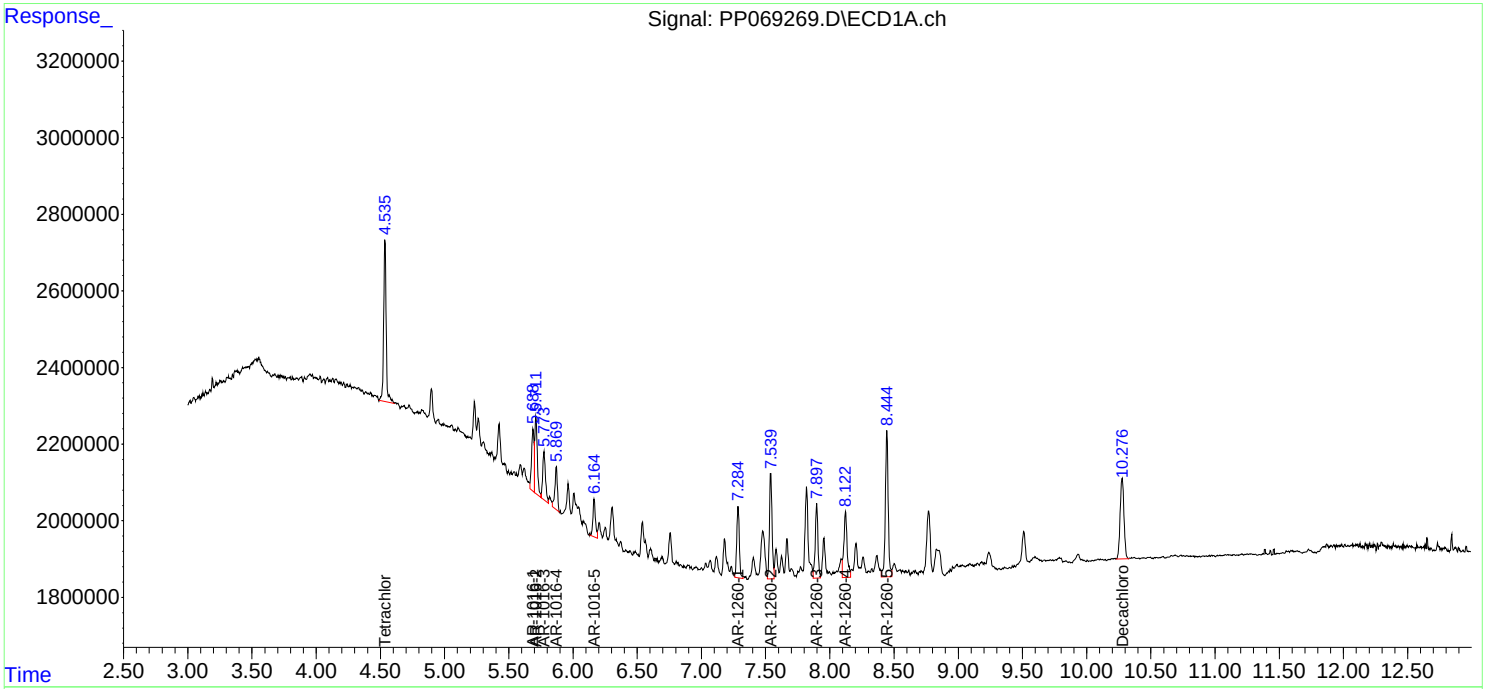
ICAL Form

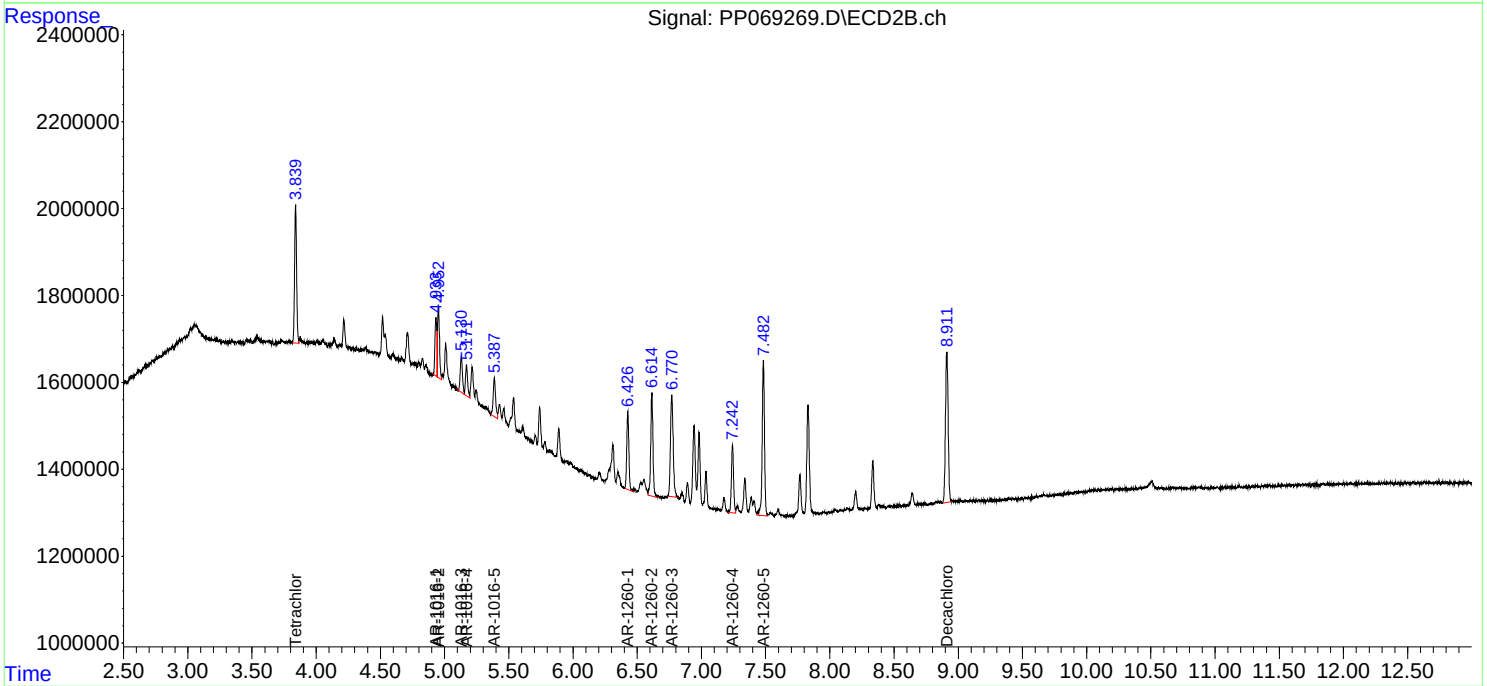
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069269.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 11:15
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:26:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 11:25:56 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\PP012825\
Data File : PP069270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 11:32
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: Jan 28 12:19:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 12:18:31 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...	4.536	3.841	77593750	47197929	50.000	50.000
2)	SA Decachlor...	10.277	8.912	57060610	57628532	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.737	4.054	9509743	6159012	500.000	500.000
9)	L2 AR-1221-2	4.823	4.140	6846250	4841688	500.000	500.000
10)	L2 AR-1221-3	4.899	4.218	20971708	14587072	500.000	500.000

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

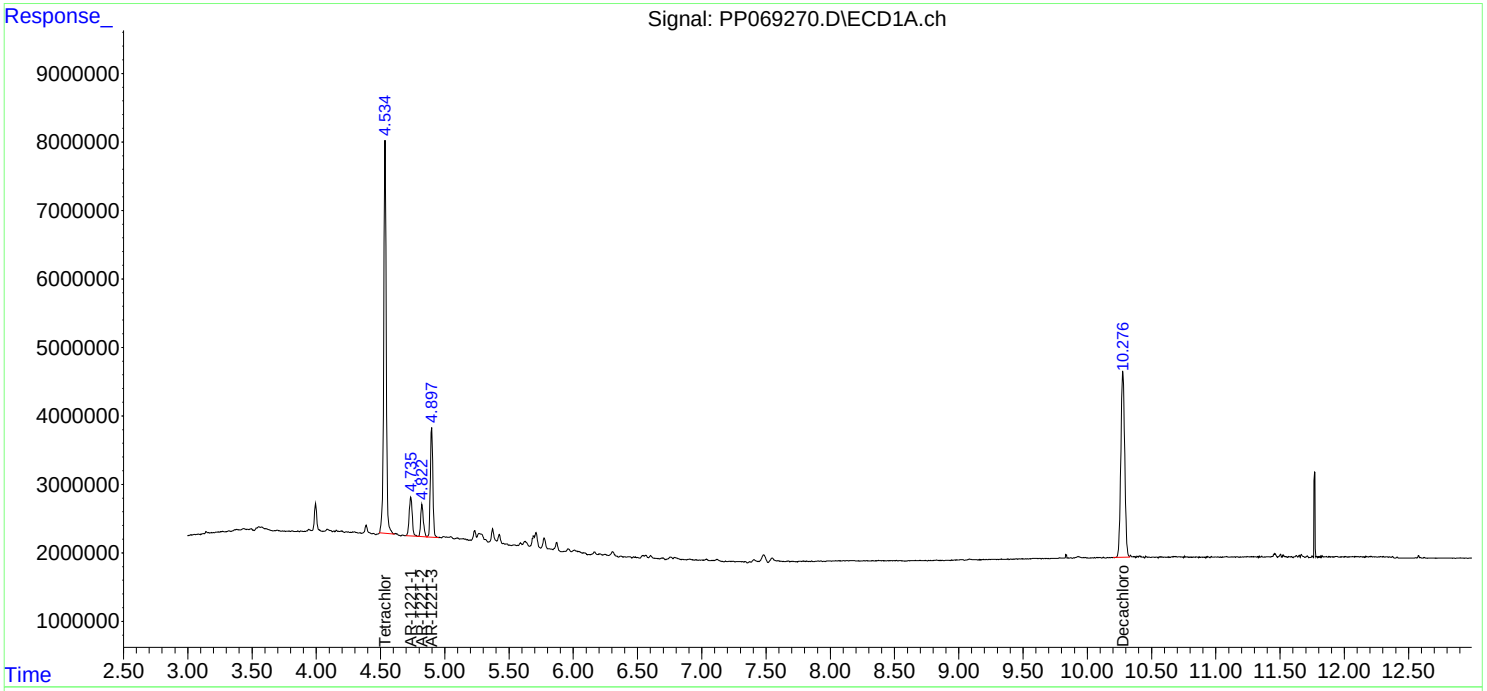
ICAL Form

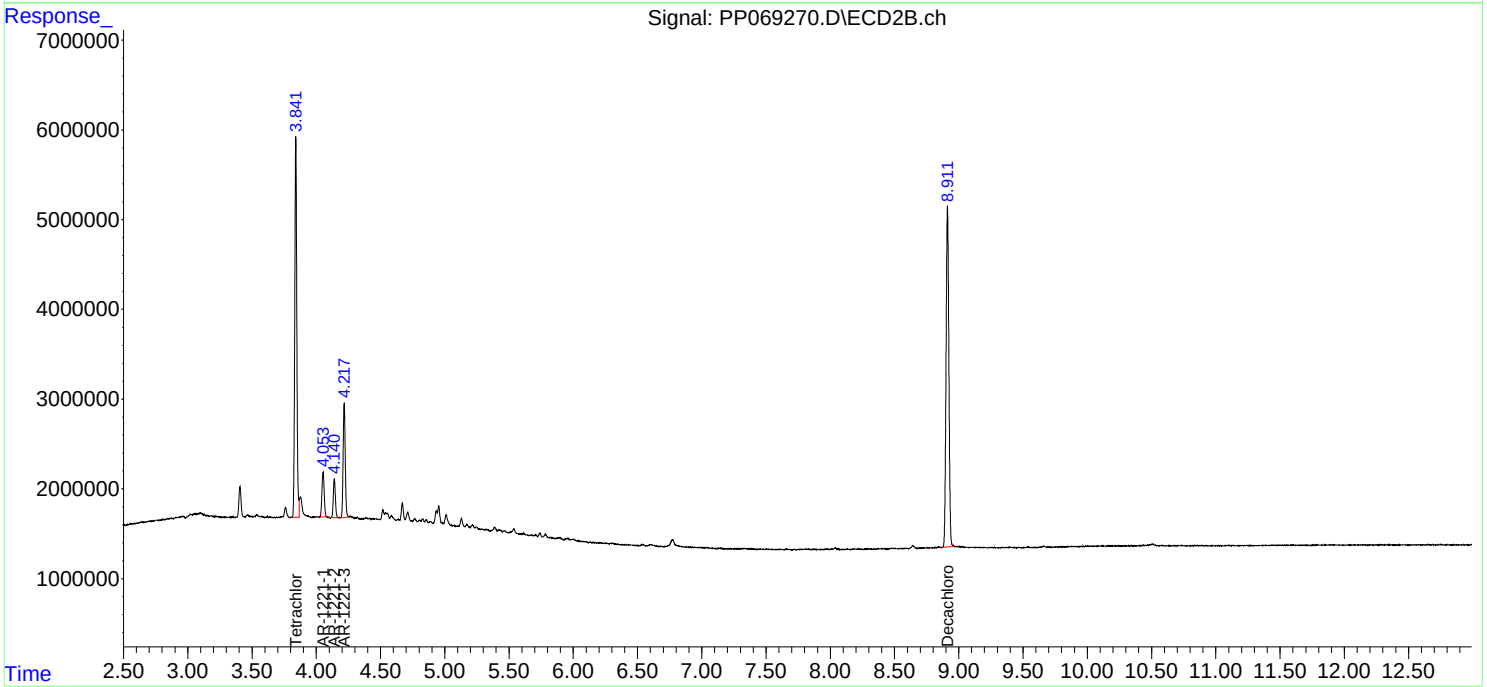
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 11:32
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 12:19:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 12:18:31 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\PP012825\
Data File : PP069271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 11:48
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 12:29:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 12:28:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.534	3.840	75836116	46716501	50.000	50.000
2)	SA Decachlor...	10.275	8.909	56382246	56029362	50.000	50.000
	Target Compounds						
11)	L3 AR-1232-1	4.897	4.215	16646809	11739749	500.000	500.000
12)	L3 AR-1232-2	5.424	4.952	8171005	11785884	500.000	500.000
13)	L3 AR-1232-3	5.710	5.129	17179485	6473622	500.000	500.000
14)	L3 AR-1232-4	5.870	5.214	8908099	5543155	500.000	500.000
15)	L3 AR-1232-5	5.960	5.387	5731209	6105160	500.000	500.000

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

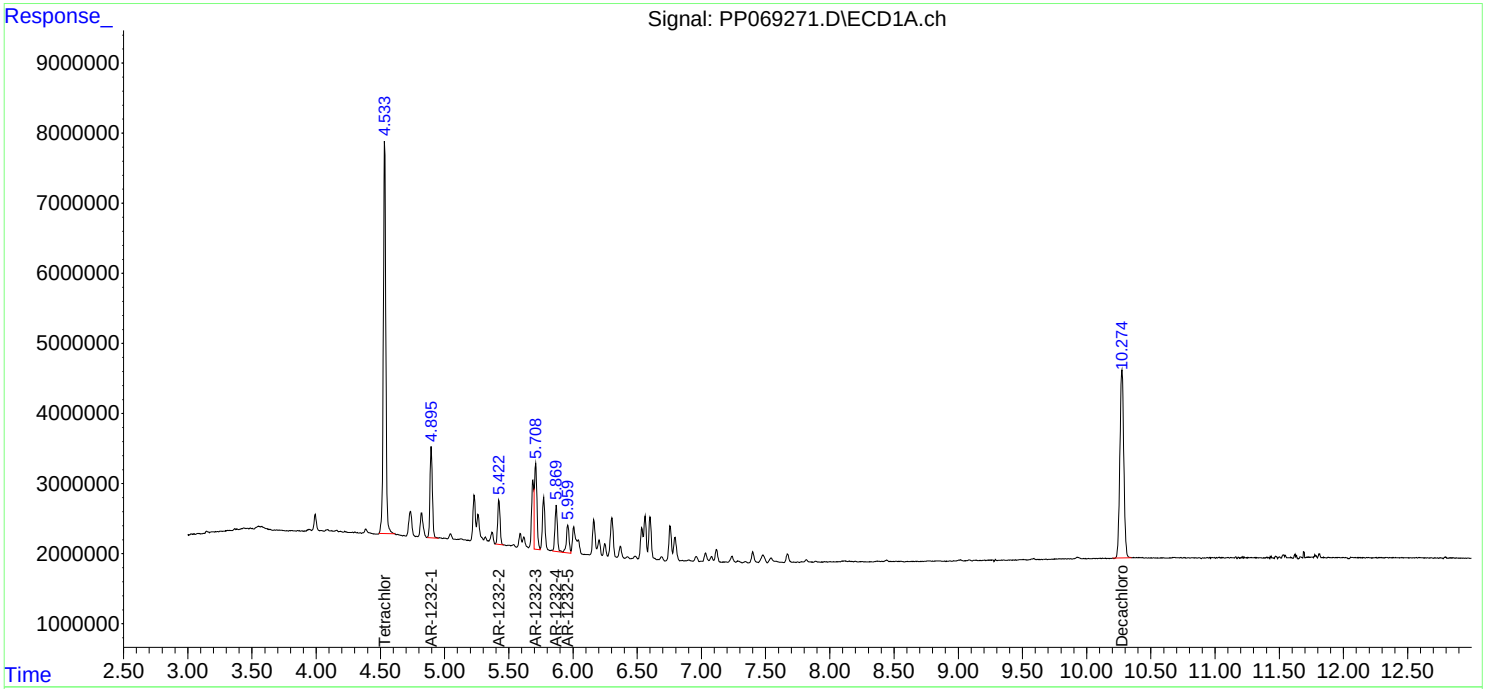
ICAL Form

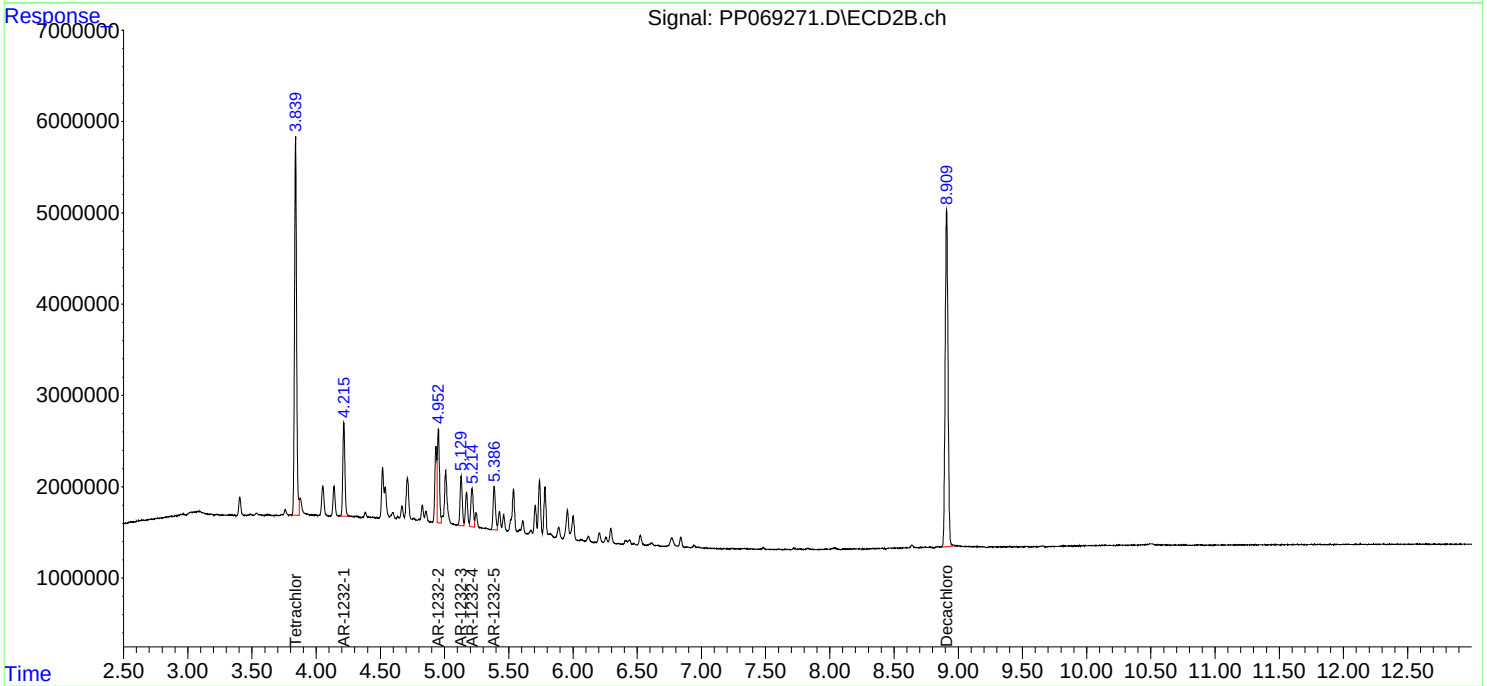
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 11:48
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 12:29:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 12:28:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069272.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 12:04
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:22:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:16:55 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...	4.538	3.840	143.5E6	94800860	96.567	97.029
2)	SA Decachlor...	10.279	8.910	104.6E6	107.1E6	95.779	93.248
	Target Compounds						
16)	L4 AR-1242-1	5.692	4.933	38881934	28457446	945.469	971.653
17)	L4 AR-1242-2	5.714	4.952	57026747	39820013	957.279	976.164
18)	L4 AR-1242-3	5.776	5.130	35212135	22243475	948.765	965.856
19)	L4 AR-1242-4	5.874	5.214	29733477	21211563	952.104	956.949
20)	L4 AR-1242-5	6.605	5.741	31146343	28383043	949.086	965.642

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

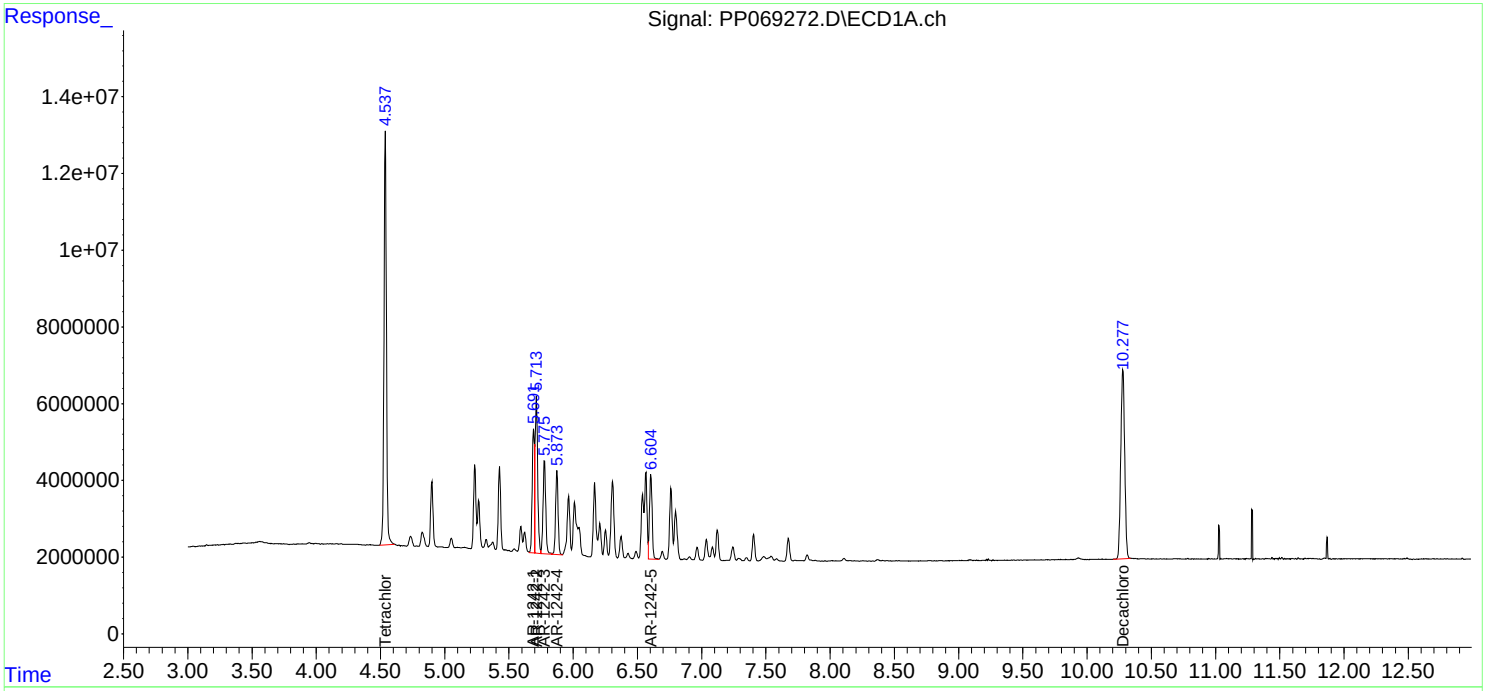
ICAL Form

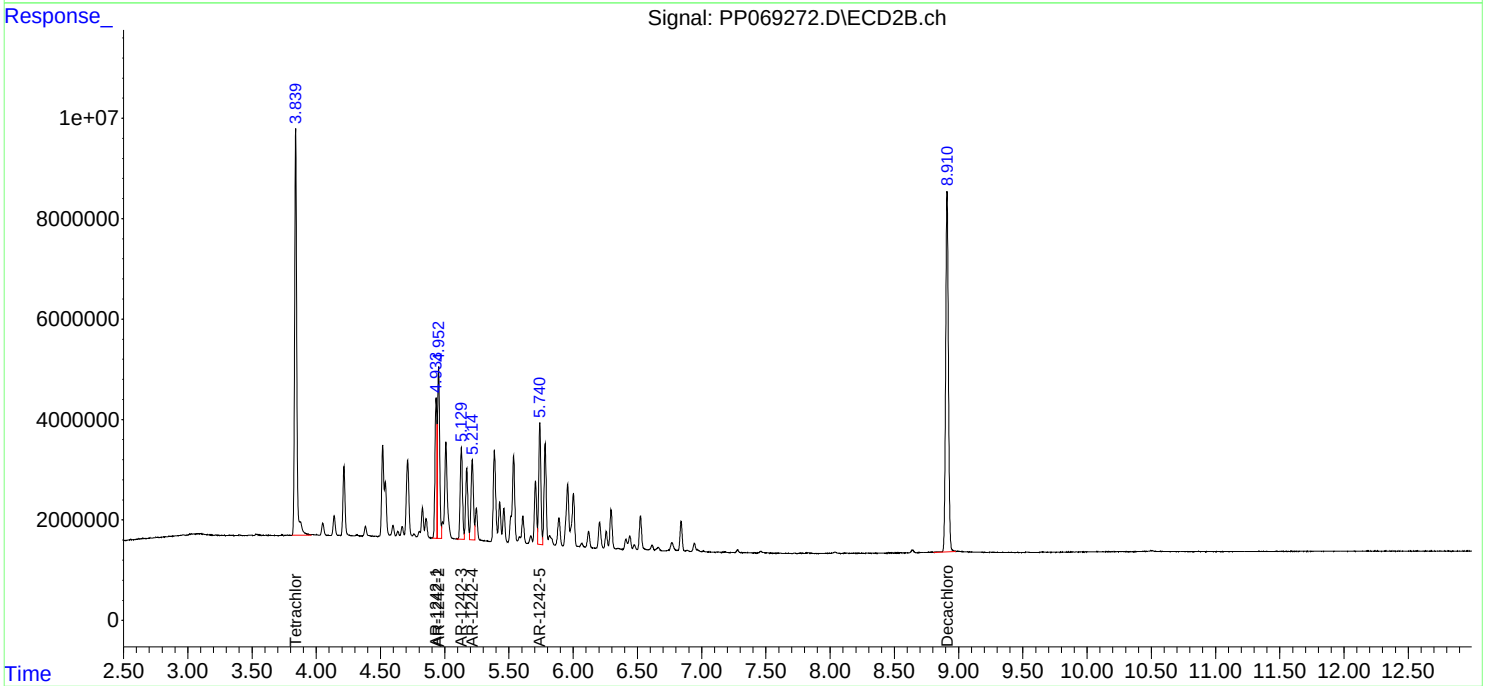
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069272.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 12:04
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:22:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:16:55 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\PP012825\
Data File : PP069273.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 12:21
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:25:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:16:55 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...	4.537	3.841	109.4E6	69163237	74.055	71.331
2)	SA Decachlor...	10.278	8.912	81129584	78177684	74.514	70.250
	Target Compounds						
16)	L4 AR-1242-1	5.691	4.934	30137750	21839944	738.473	747.131
17)	L4 AR-1242-2	5.713	4.953	43422173	29956153	735.804	739.499
18)	L4 AR-1242-3	5.776	5.131	26901679	16691146	733.041	732.984
19)	L4 AR-1242-4	5.873	5.215	22891135	16031239	738.583	731.946
20)	L4 AR-1242-5	6.604	5.741	24145693	21175650	740.449	730.027

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

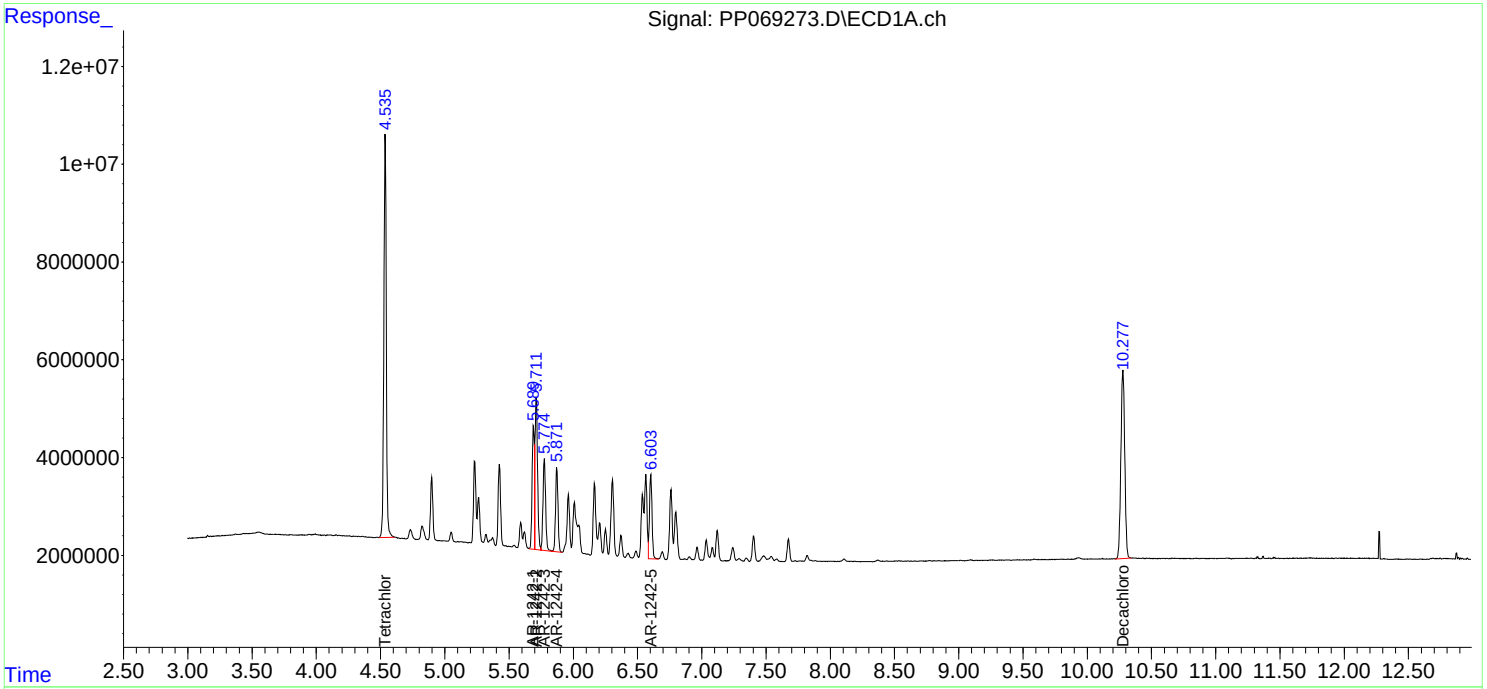
ICAL Form

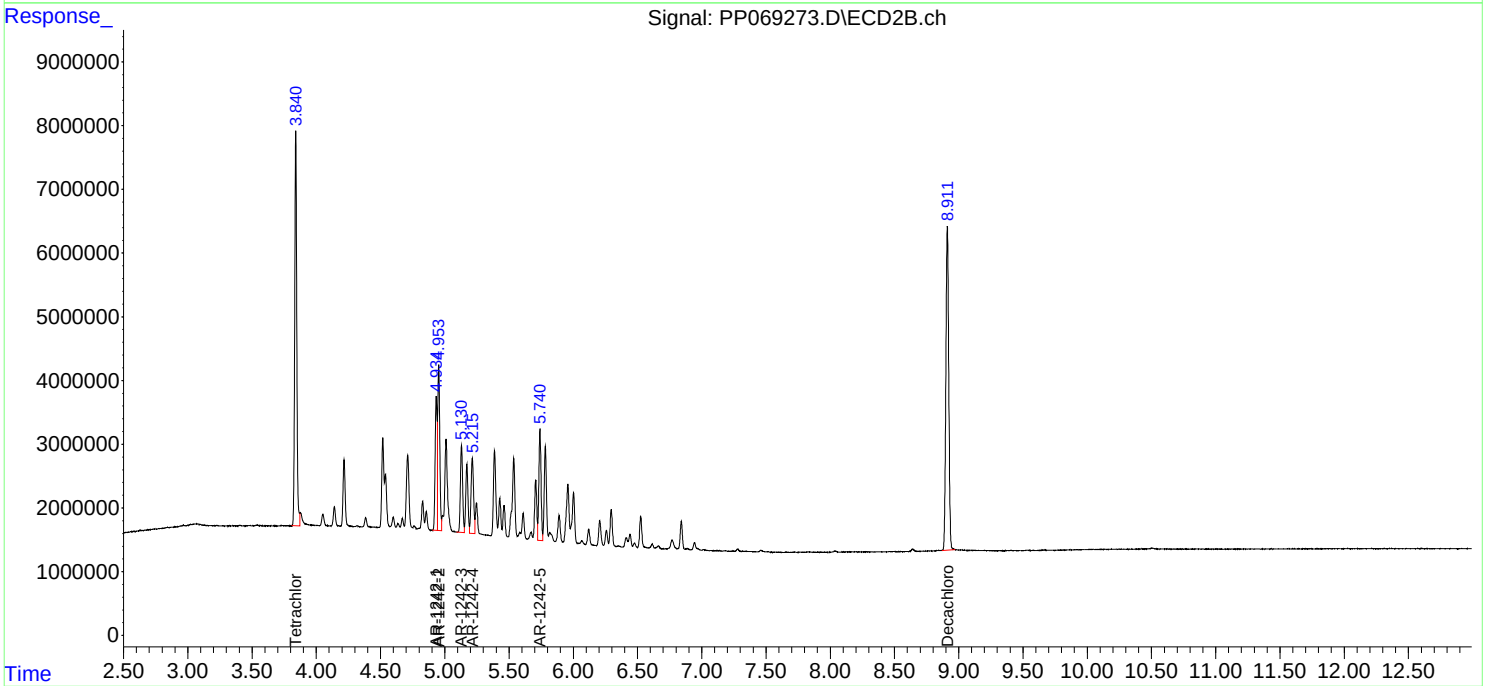
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069273.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 12:21
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:25:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:16:55 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\PP012825\
Data File : PP069274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 12:37
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:19:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:16:55 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...	4.535	3.841	76865093	50303166	50.000	50.000
2) SA	Decachlor...	10.277	8.912	56920064	61281046	50.000	50.000
	Target Compounds						
16) L4	AR-1242-1	5.690	4.935	21683528	15058932	500.000	500.000
17) L4	AR-1242-2	5.711	4.953	31058355	20882332	500.000	500.000
18) L4	AR-1242-3	5.774	5.131	19507569	11908079	500.000	500.000
19) L4	AR-1242-4	5.871	5.215	16362506	11560042	500.000	500.000
20) L4	AR-1242-5	6.603	5.742	17244012	15201389	500.000	500.000

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

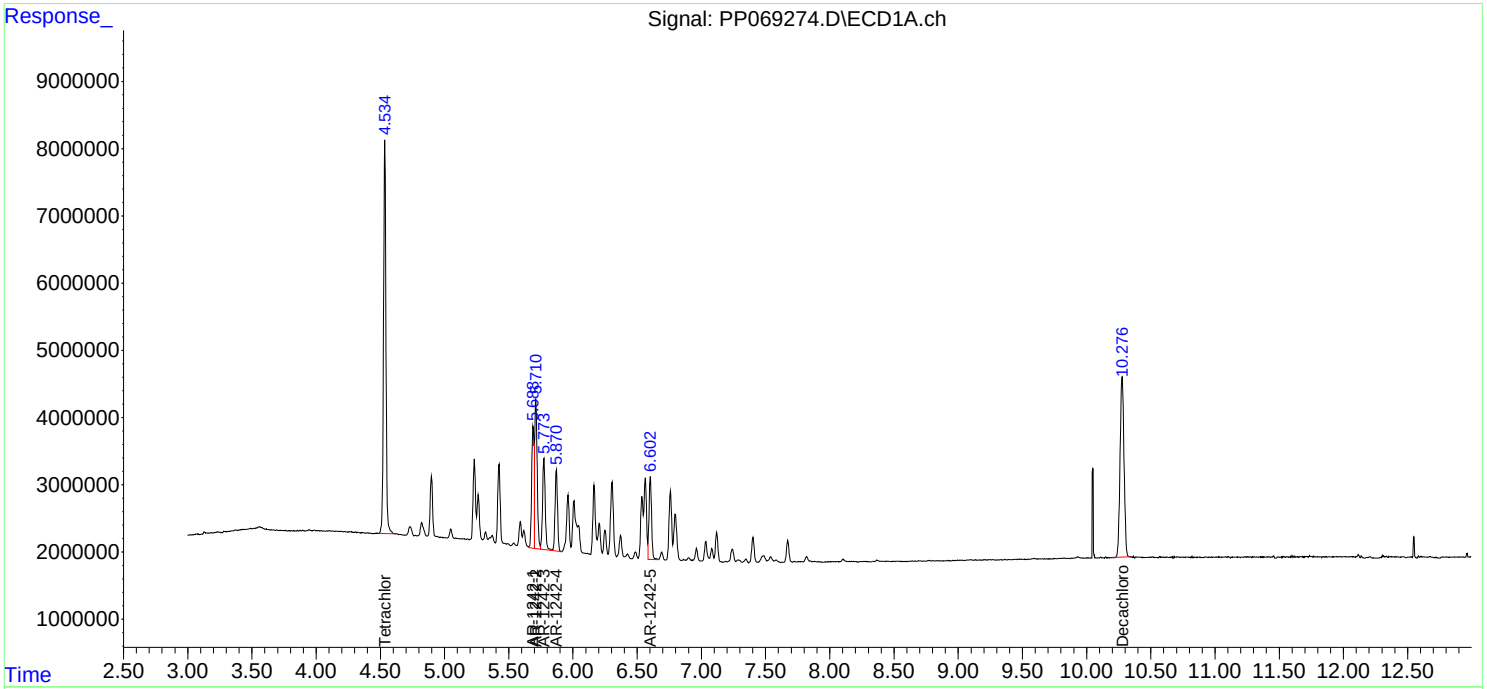
ICAL Form

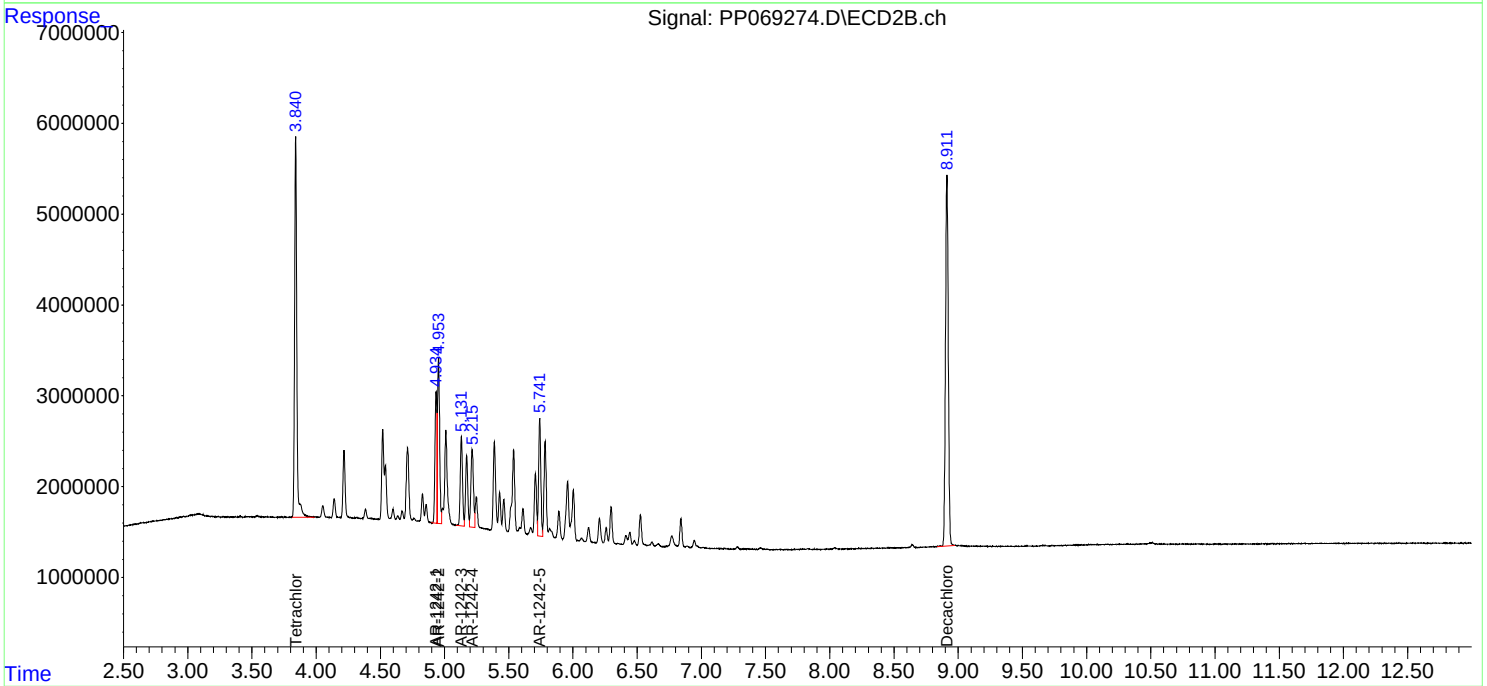
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 12:37
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:19:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:16:55 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\PP012825\
Data File : PP069275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 12:53
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:29:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:29:23 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...	4.538	3.839	38792932	24572047	25.937	25.469
2)	SA Decachlor...	10.279	8.911	29384811	29323543	26.463	25.999
	Target Compounds						
16)	L4 AR-1242-1	5.693	4.933	11282393	7765411	269.330	261.557
17)	L4 AR-1242-2	5.714	4.952	15949615	10596312	264.902	258.586
18)	L4 AR-1242-3	5.777	5.130	10146658	5872286	269.351	255.863
19)	L4 AR-1242-4	5.874	5.214	8706808	5585119	272.498	253.733
20)	L4 AR-1242-5	6.606	5.740	9072432	7515106	270.580	256.750

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

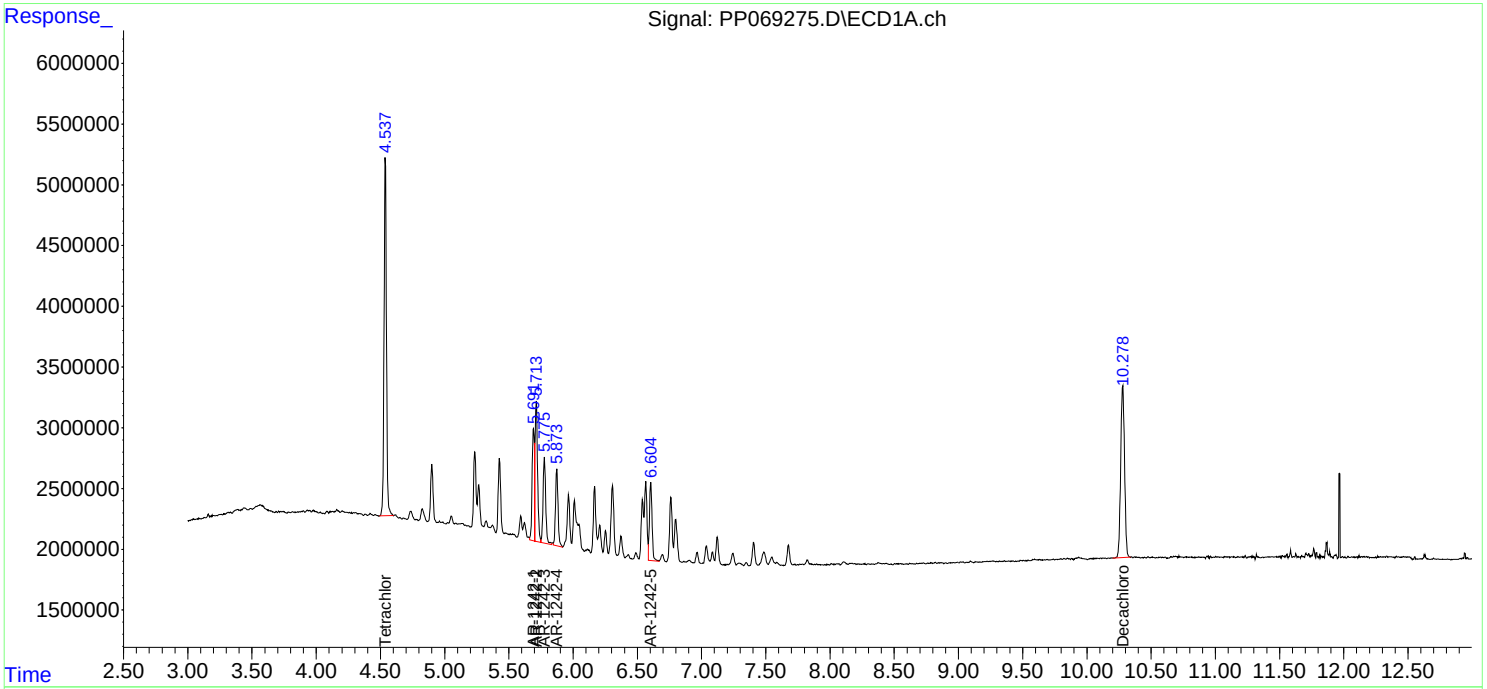
ICAL Form

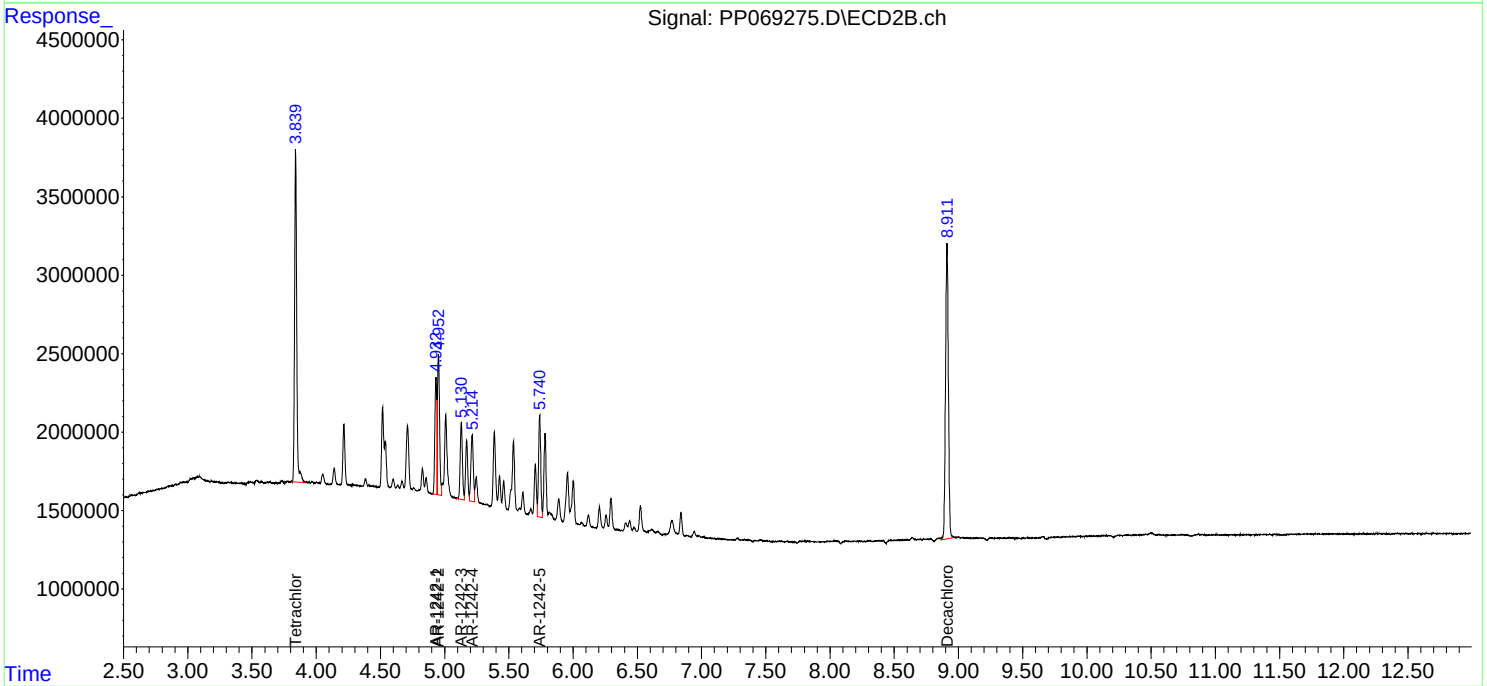
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 12:53
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:29:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:29:23 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\PP012825\
Data File : PP069276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 13:09
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:32:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:32:21 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...	4.535	3.840	5712040	3880861	4.008	4.186
2)	SA Decachlor...	10.276	8.912	4701402	5291649	4.368	4.750
	Target Compounds						
16)	L4 AR-1242-1	5.689	4.934	2048207	1270163	49.111	44.054
17)	L4 AR-1242-2	5.711	4.953	2705826	1653863	45.869	41.979
18)	L4 AR-1242-3	5.774	5.131	1740514	1035839	46.916	46.029
19)	L4 AR-1242-4	5.870	5.215	1808303	993205	55.140	46.020
20)	L4 AR-1242-5	6.603	5.741	1440165	1338070	44.198	46.512

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

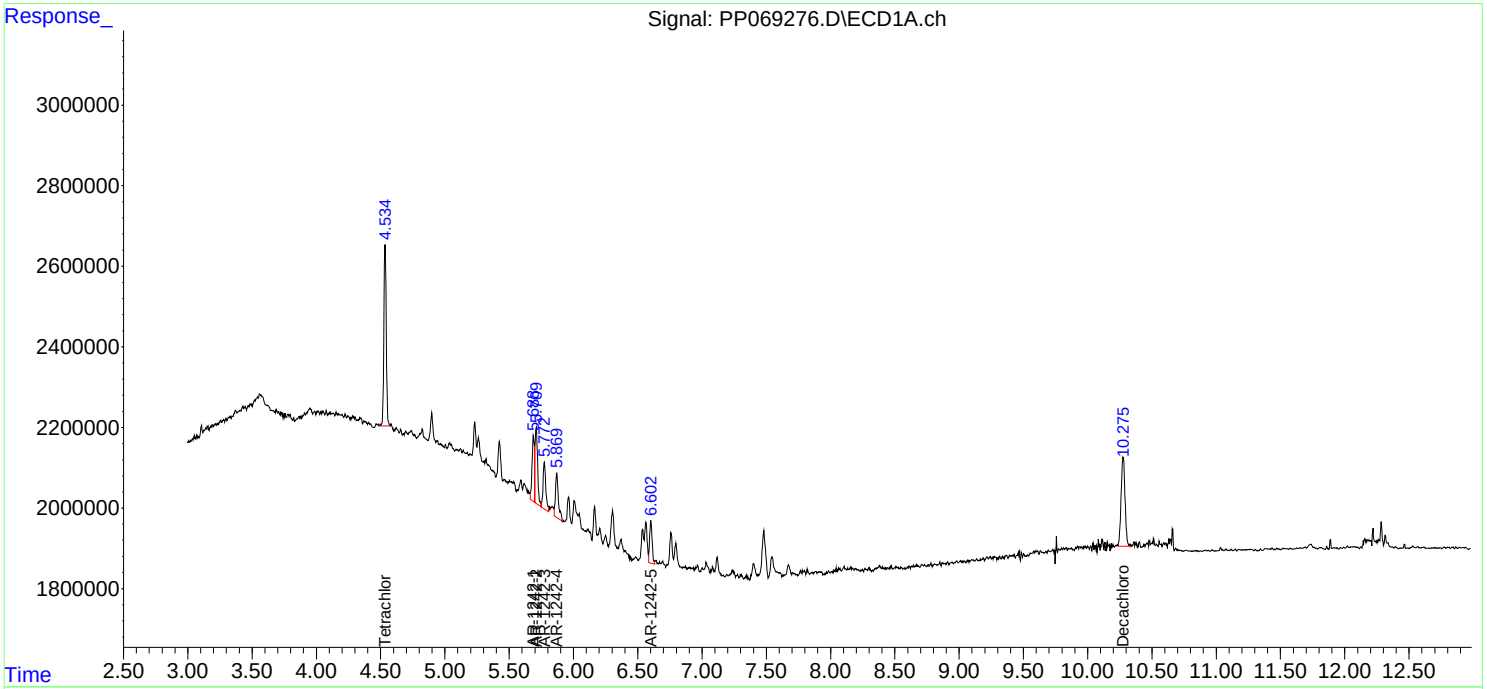
ICAL Form

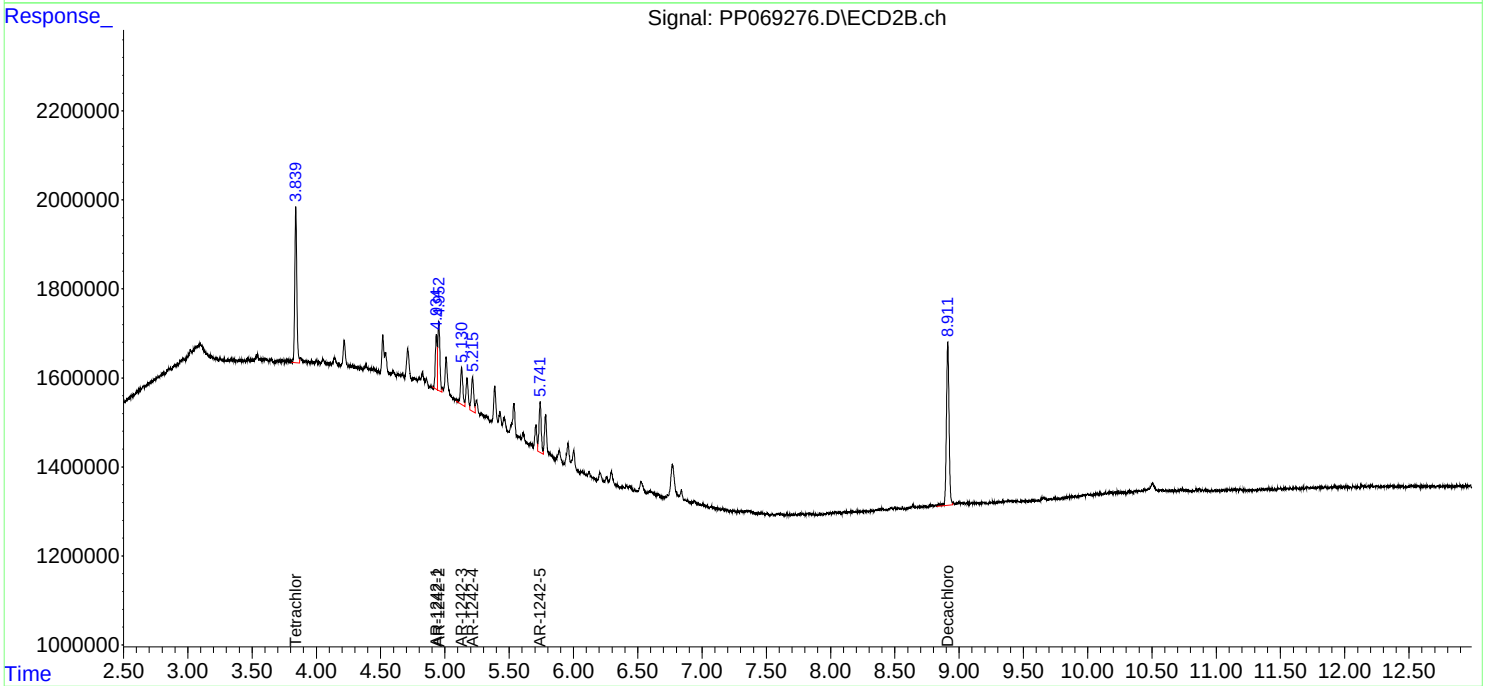
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 13:09
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 13:32:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 13:32:21 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\PP012825\
Data File : PP069277.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 13:26
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:15:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:11:04 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...	4.536	3.841	139.8E6	93340429	96.035	98.382
2)	SA Decachlor...	10.278	8.912	103.8E6	98040406	95.812	93.069
	Target Compounds						
21)	L5 AR-1248-1	5.690	4.934	29720774	21330255	955.393	958.327
22)	L5 AR-1248-2	5.963	5.172	40031392	28324001	958.740	965.847
23)	L5 AR-1248-3	6.166	5.215	44249426	29601440	956.494	967.648
24)	L5 AR-1248-4	6.565	5.388	52361428	35306028	948.489	964.835
25)	L5 AR-1248-5	6.604	5.784	50435355	36064443	950.417	976.042

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

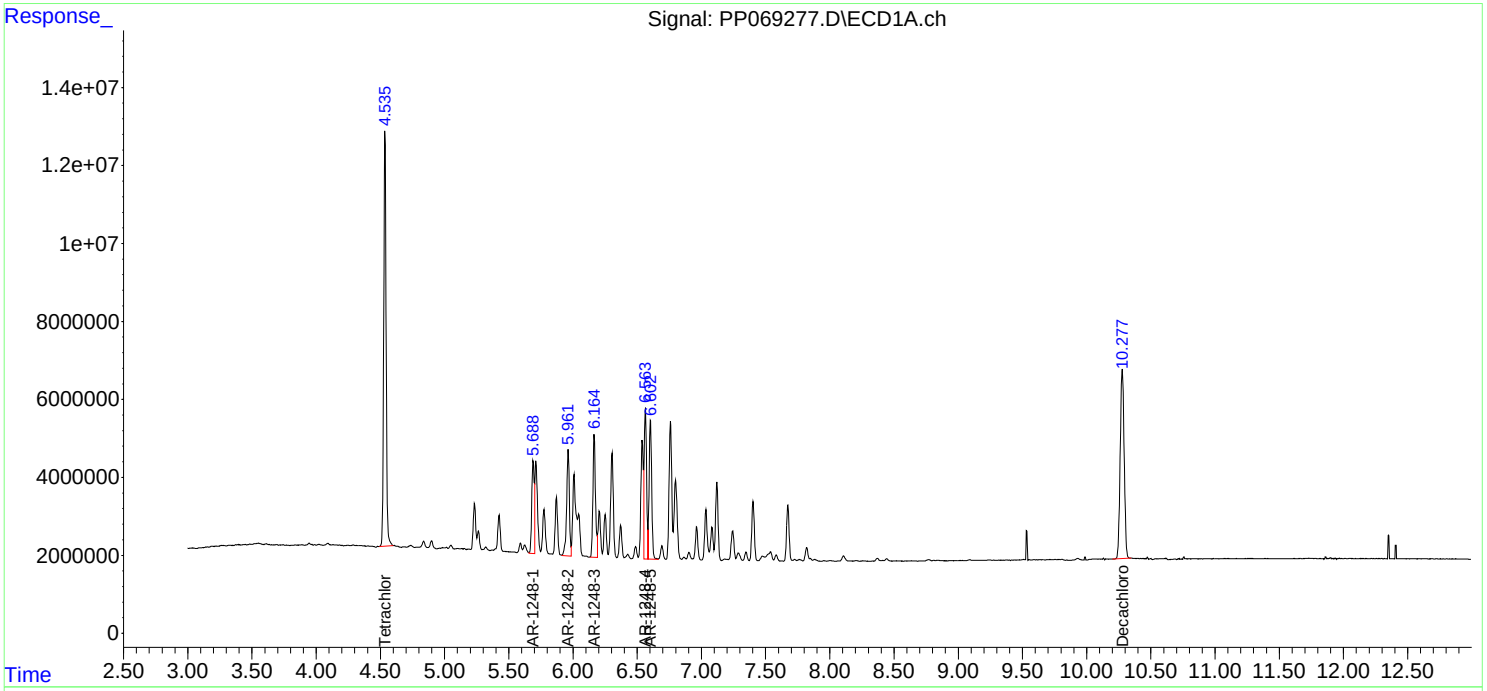
ICAL Form

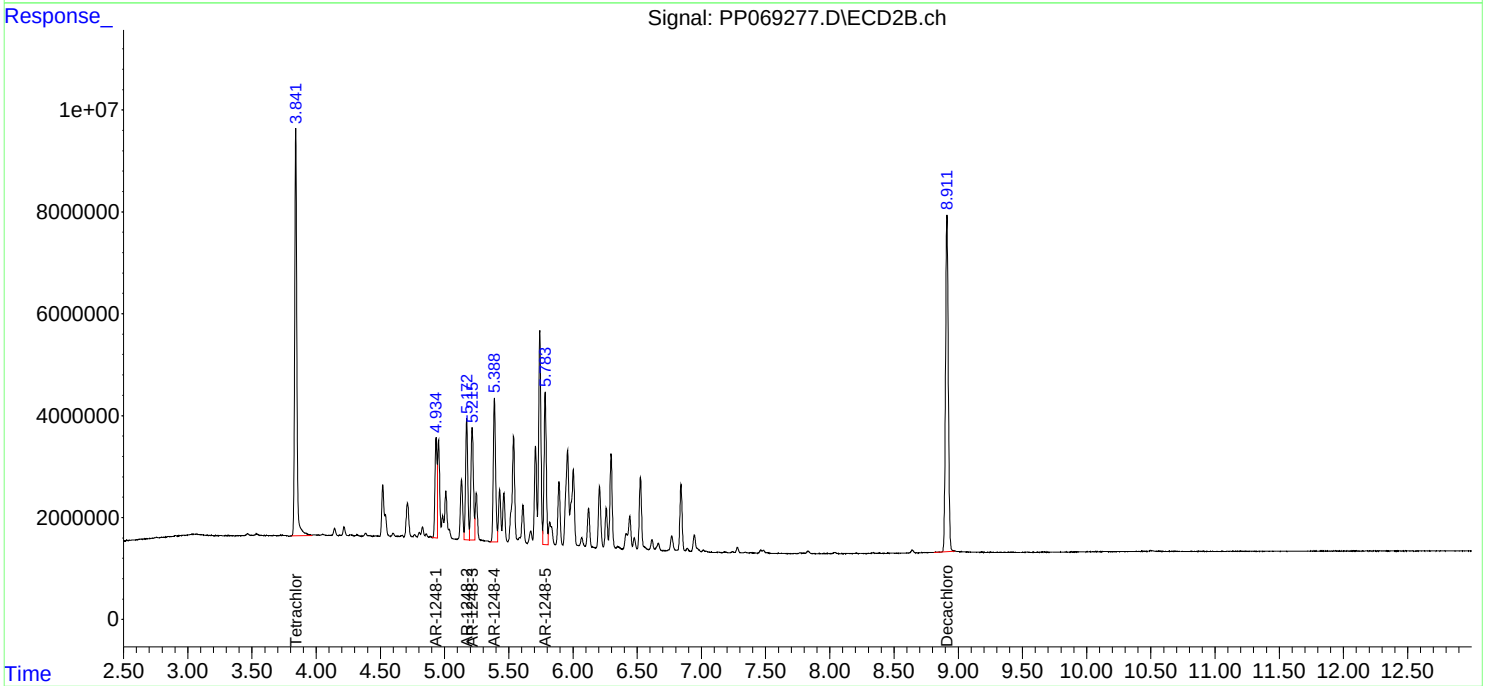
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069277.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 13:26
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:15:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:11:04 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\PP012825\
Data File : PP069278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 13:42
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:17:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:11:04 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...	4.536	3.841	108.1E6	69616300	74.502	73.910
2)	SA Decachlor...	10.277	8.912	80239411	71992164	74.391	70.426
	Target Compounds						
21)	L5 AR-1248-1	5.690	4.934	23301477	15640407	749.360	717.785
22)	L5 AR-1248-2	5.962	5.173	30590155	20848478	738.326	723.494
23)	L5 AR-1248-3	6.165	5.215	33991113	21573142	739.764	719.533
24)	L5 AR-1248-4	6.564	5.388	40921037	25659920	744.147	716.765
25)	L5 AR-1248-5	6.603	5.783	39260909	26856514	743.198	734.399

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

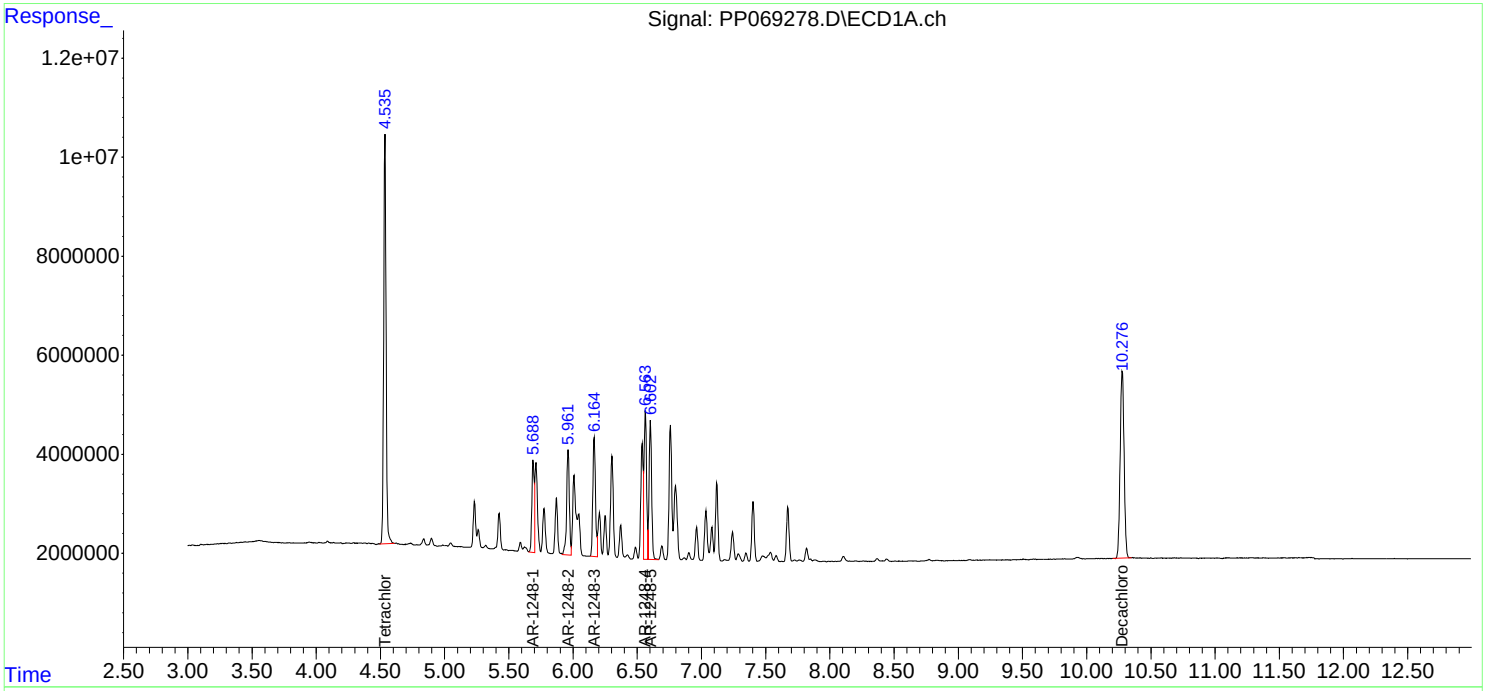
ICAL Form

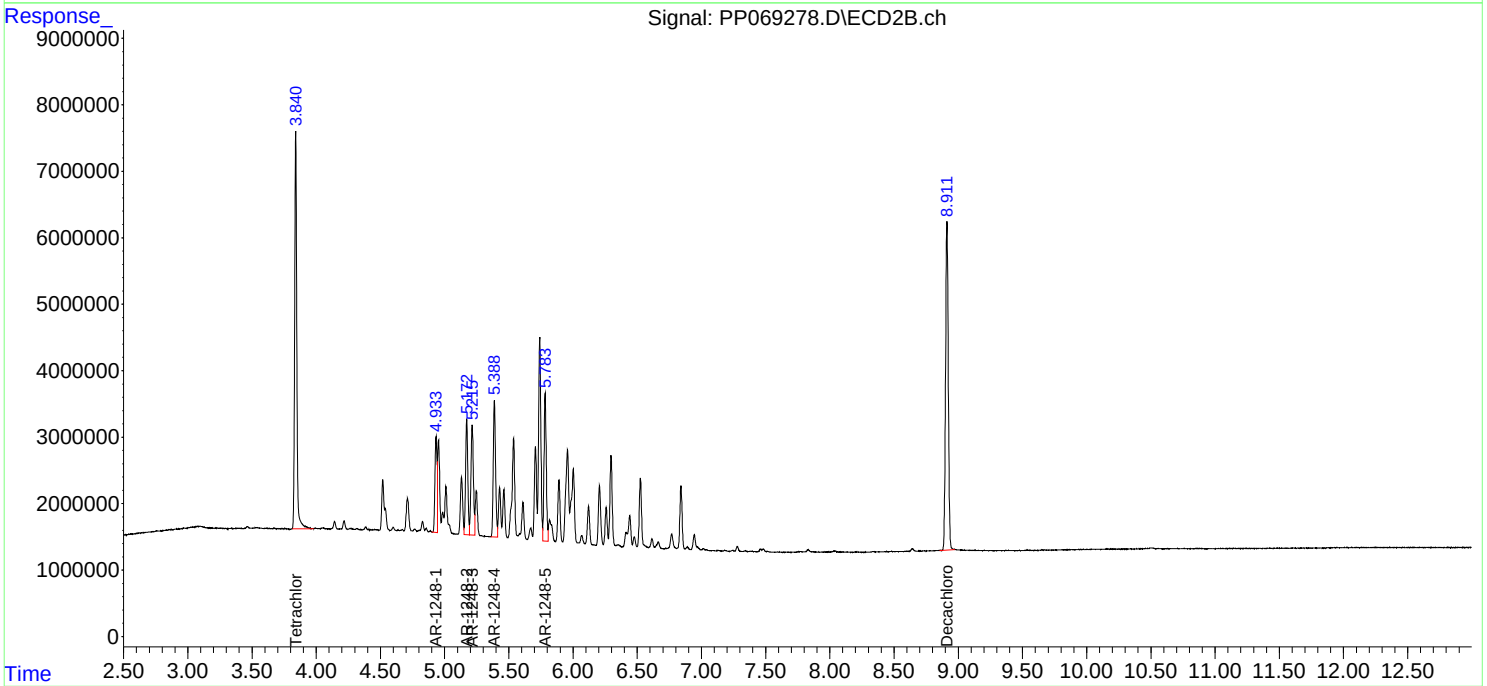
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 13:42
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:17:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:11:04 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\PP012825\
Data File : PP069279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 13:58
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:12:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:11:04 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...	4.539	3.841	75663746	48204955	50.000	50.000
2)	SA Decachlor...	10.280	8.912	56417147	56321067	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	5.692	4.934	16248025	11592688	500.000	500.000
22)	L5 AR-1248-2	5.966	5.173	21738491	15163563	500.000	500.000
23)	L5 AR-1248-3	6.168	5.216	24137406	15790400	500.000	500.000
24)	L5 AR-1248-4	6.567	5.388	29024379	18939791	500.000	500.000
25)	L5 AR-1248-5	6.606	5.784	27848887	18917464	500.000	500.000

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

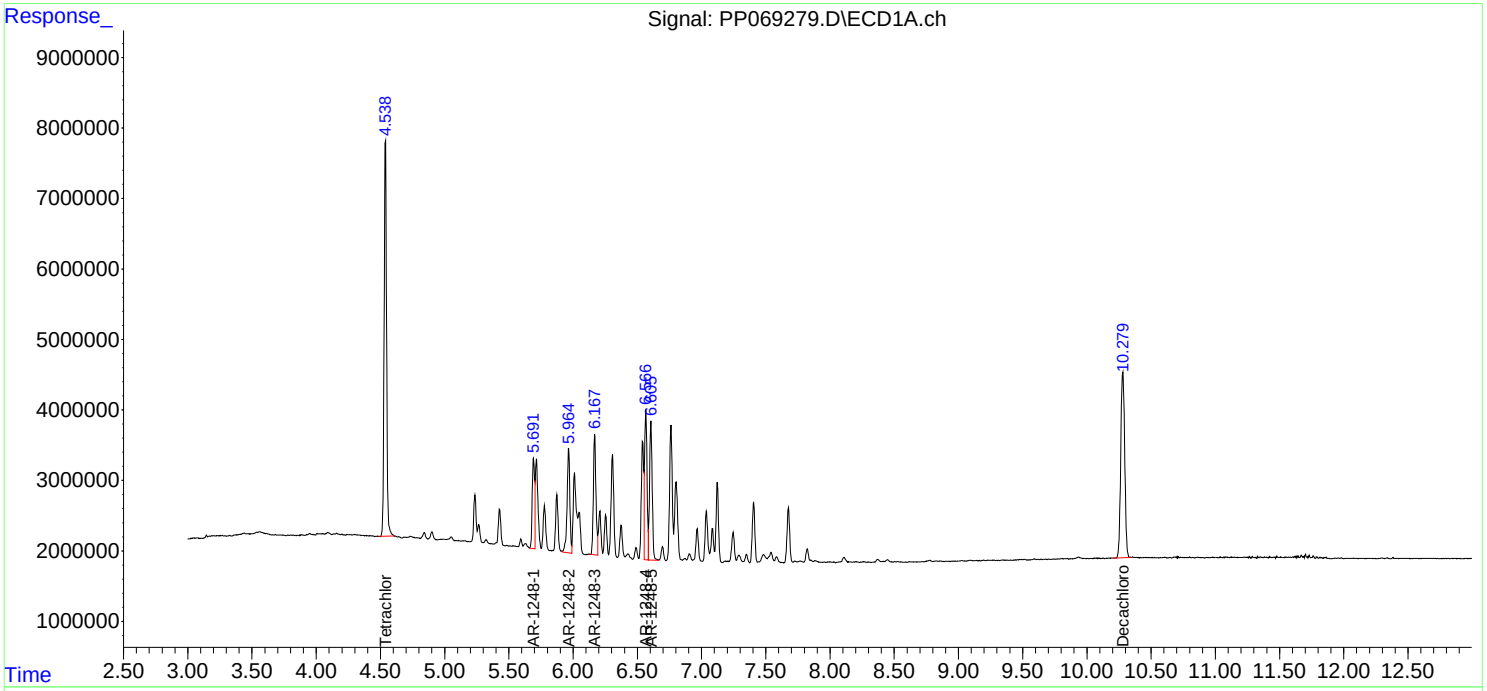
ICAL Form

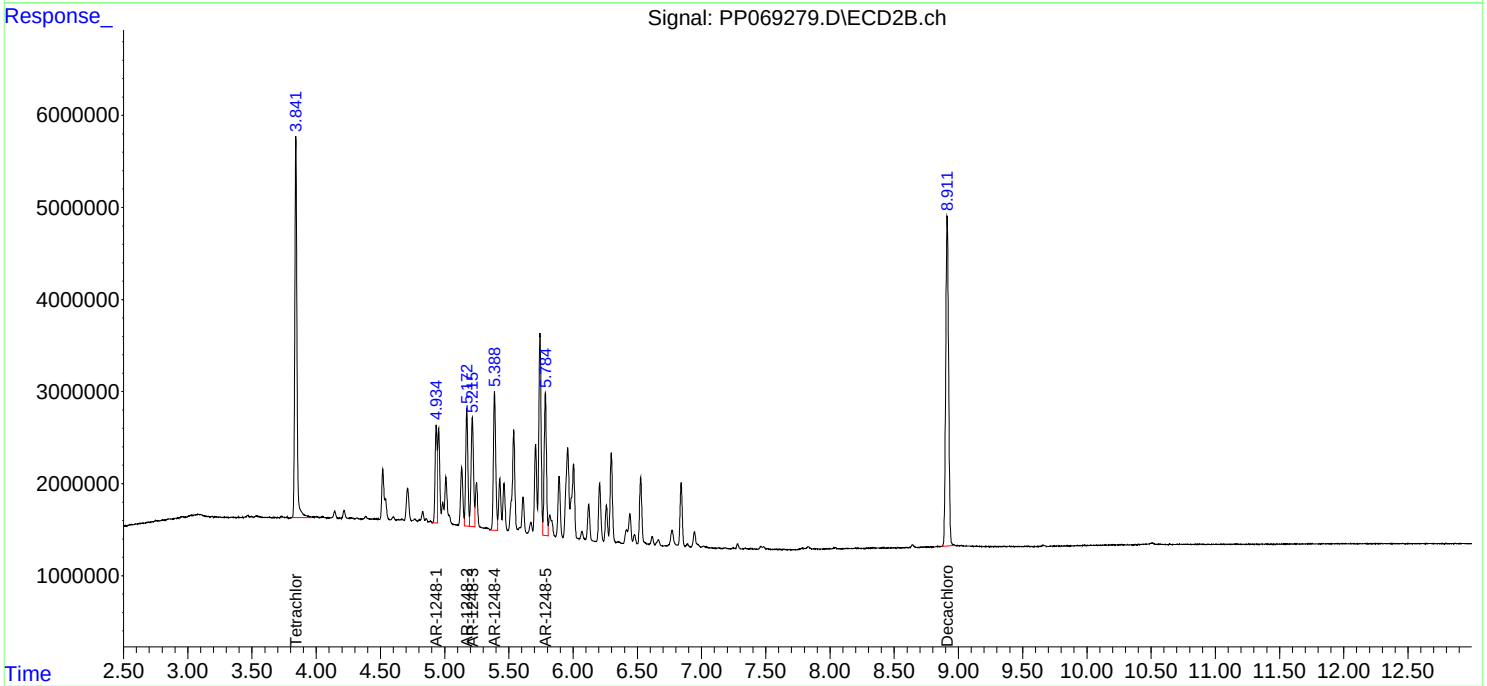
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 13:58
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:12:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:11:04 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\PP012825\
Data File : PP069280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 14:15
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:47:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:47:37 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...	4.535	3.840	38900473	25359775	26.336	26.416
2)	SA Decachlor...	10.277	8.911	29432874	30058024	26.677	28.164
	Target Compounds						
21)	L5 AR-1248-1	5.689	4.933	9122332	6315546	281.174	278.735
22)	L5 AR-1248-2	5.962	5.171	11494735	8502337	270.029	282.333
23)	L5 AR-1248-3	6.165	5.214	12315718	8710002	263.285	279.197
24)	L5 AR-1248-4	6.562	5.387	14748750	10295186	262.158m	277.163
25)	L5 AR-1248-5	6.602	5.783	14422513	10509480	268.328m	277.028

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 14:15
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

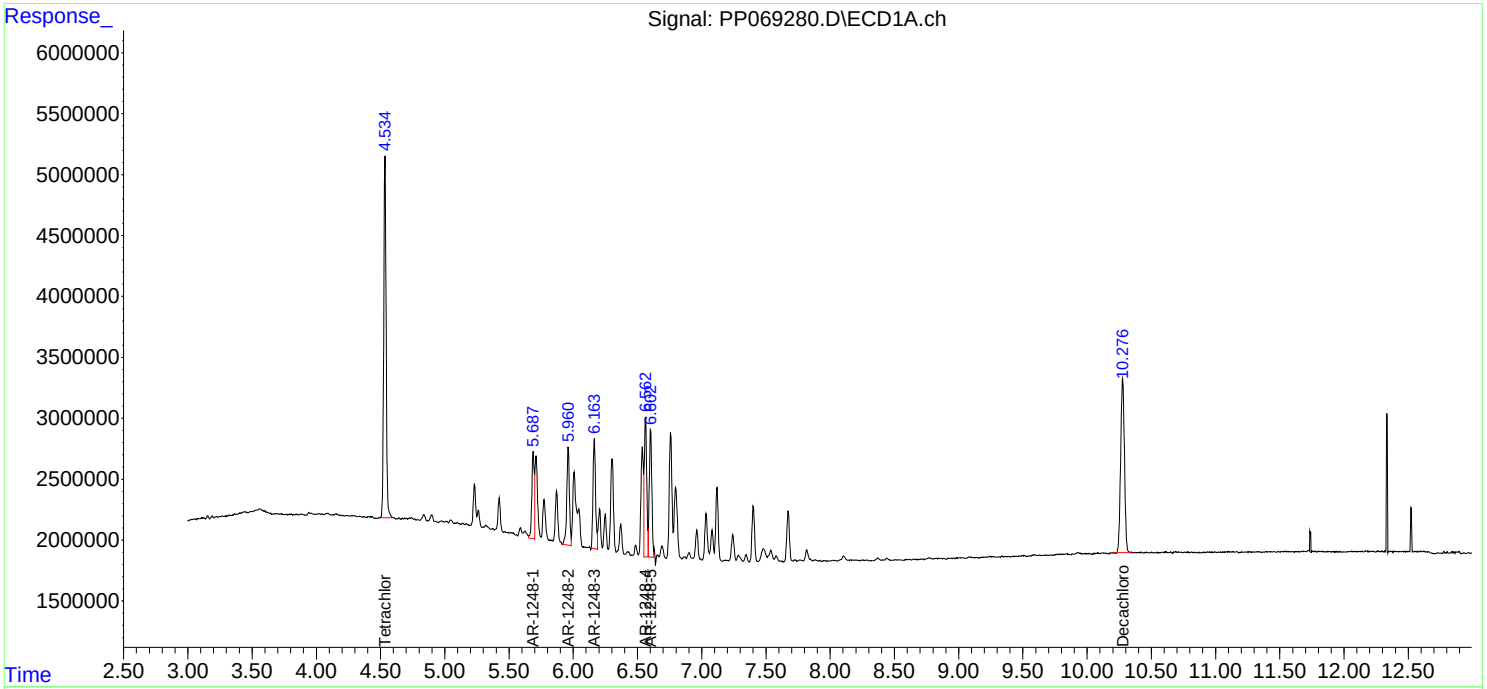
Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

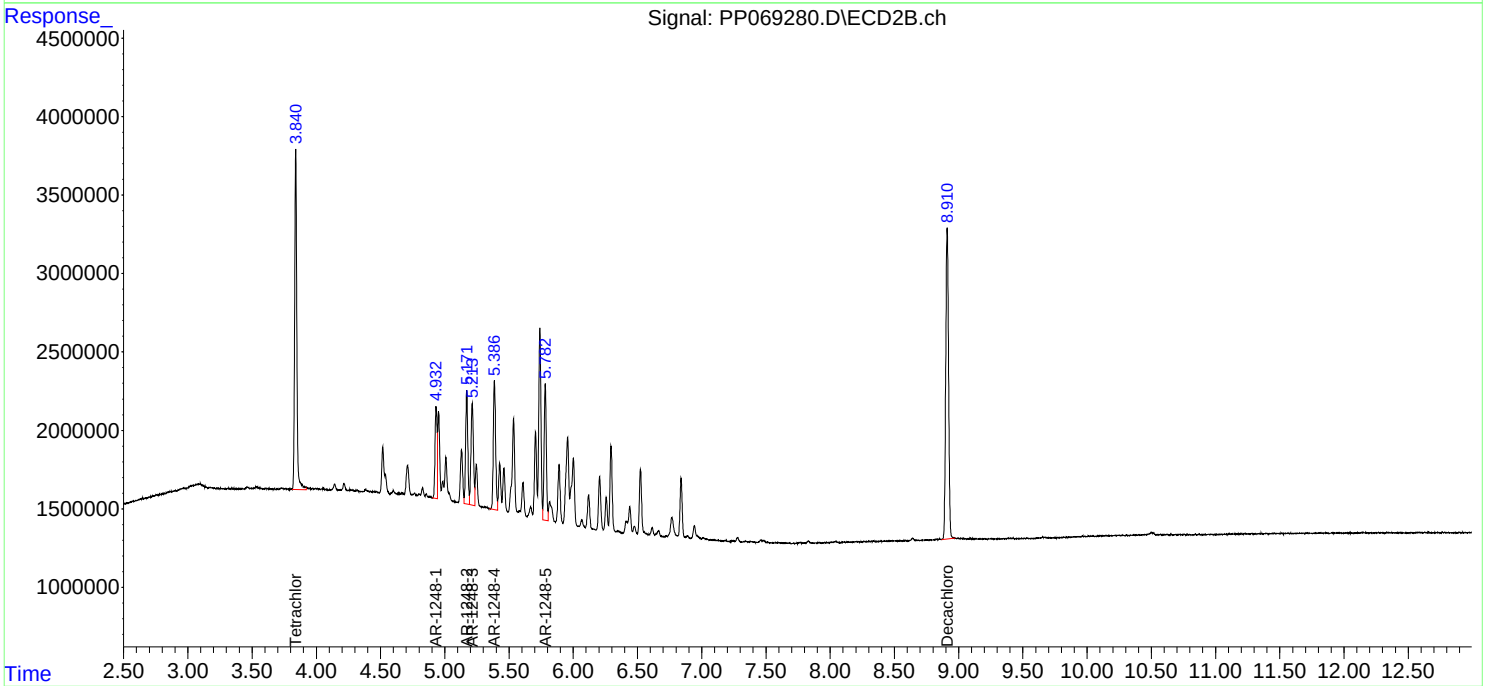
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:47:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:47:37 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\PP012825\
Data File : PP069281.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 14:31
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:50:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:50:37 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...	4.536	3.841	6169681	4124462	4.319	4.421
2)	SA Decachlor...	10.278	8.912	5023917	5520243	4.636	5.137
	Target Compounds						
21)	L5 AR-1248-1	5.690	4.934	1621026	971056	49.971	44.118
22)	L5 AR-1248-2	5.963	5.173	2097890	1493224	49.424	49.667
23)	L5 AR-1248-3	6.165	5.215	2391359	1506753	50.894	48.630
24)	L5 AR-1248-4	6.565	5.388	2581995	1806945	46.842	48.911
25)	L5 AR-1248-5	6.604	5.784	2537395	1760053	47.531	47.074

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

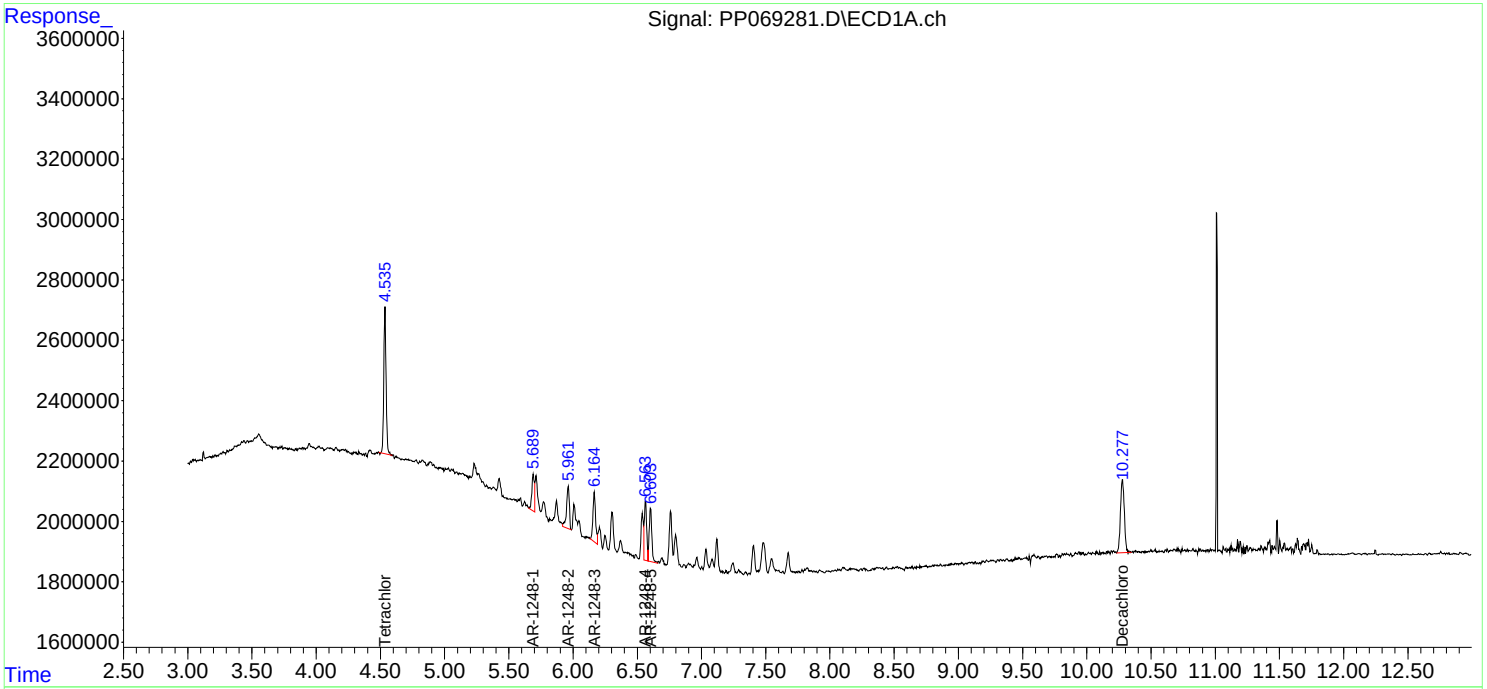
ICAL Form

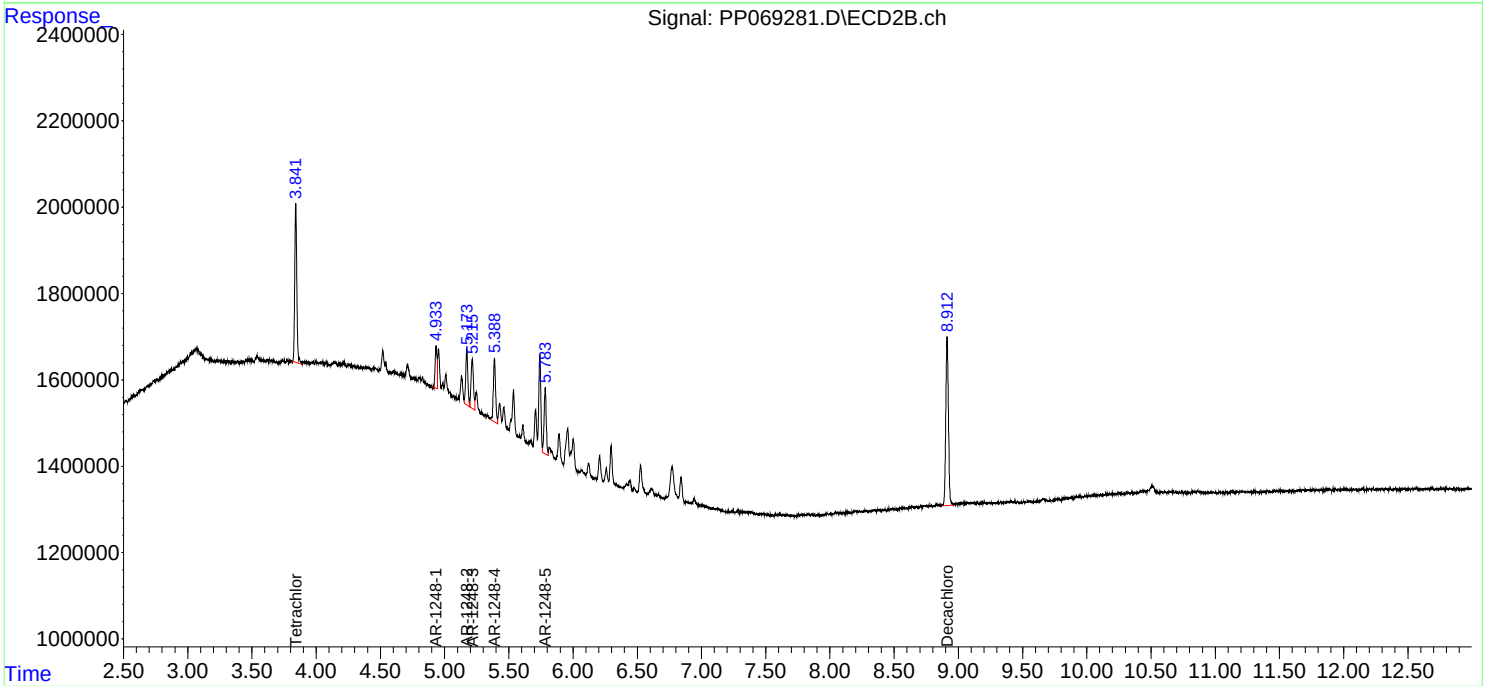
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069281.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 14:31
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 14:50:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 14:50:37 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\PP012825\
Data File : PP069282.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 14:47
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 15:38:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 15:34:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.536	3.840	142.2E6	95200335	97.758	100.728
2)	SA Decachlor...	10.277	8.911	104.8E6	103.5E6	96.026	96.564
	Target Compounds						
26)	L6 AR-1254-1	6.541	5.741	52694329	53877397	969.975	1004.411
27)	L6 AR-1254-2	6.757	5.890	75242428	46864995	965.868	1003.283
28)	L6 AR-1254-3	7.120	6.295	78719981	74986178	962.506	997.668
29)	L6 AR-1254-4	7.403	6.524	63293404	49801197	945.679	999.626
30)	L6 AR-1254-5	7.820	6.943	65136323	65231257	971.069	983.750

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

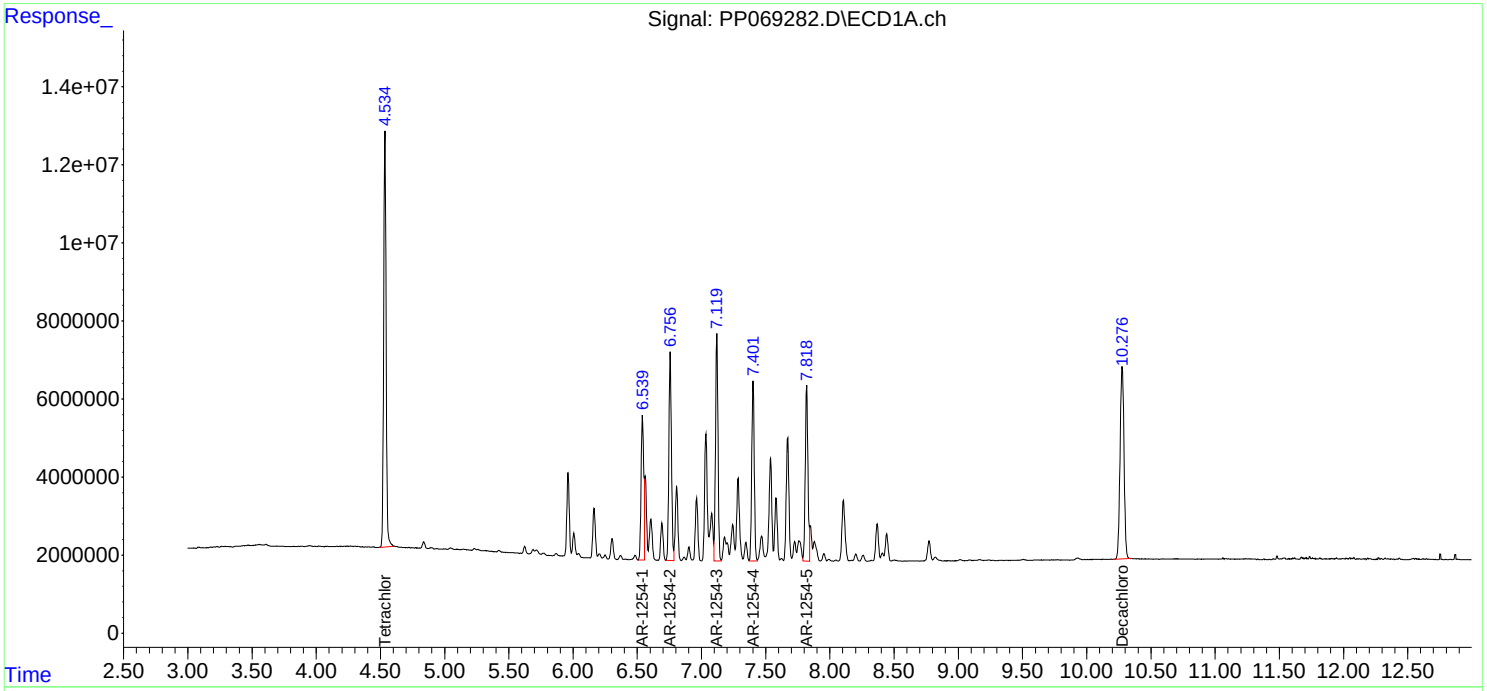
ICAL Form

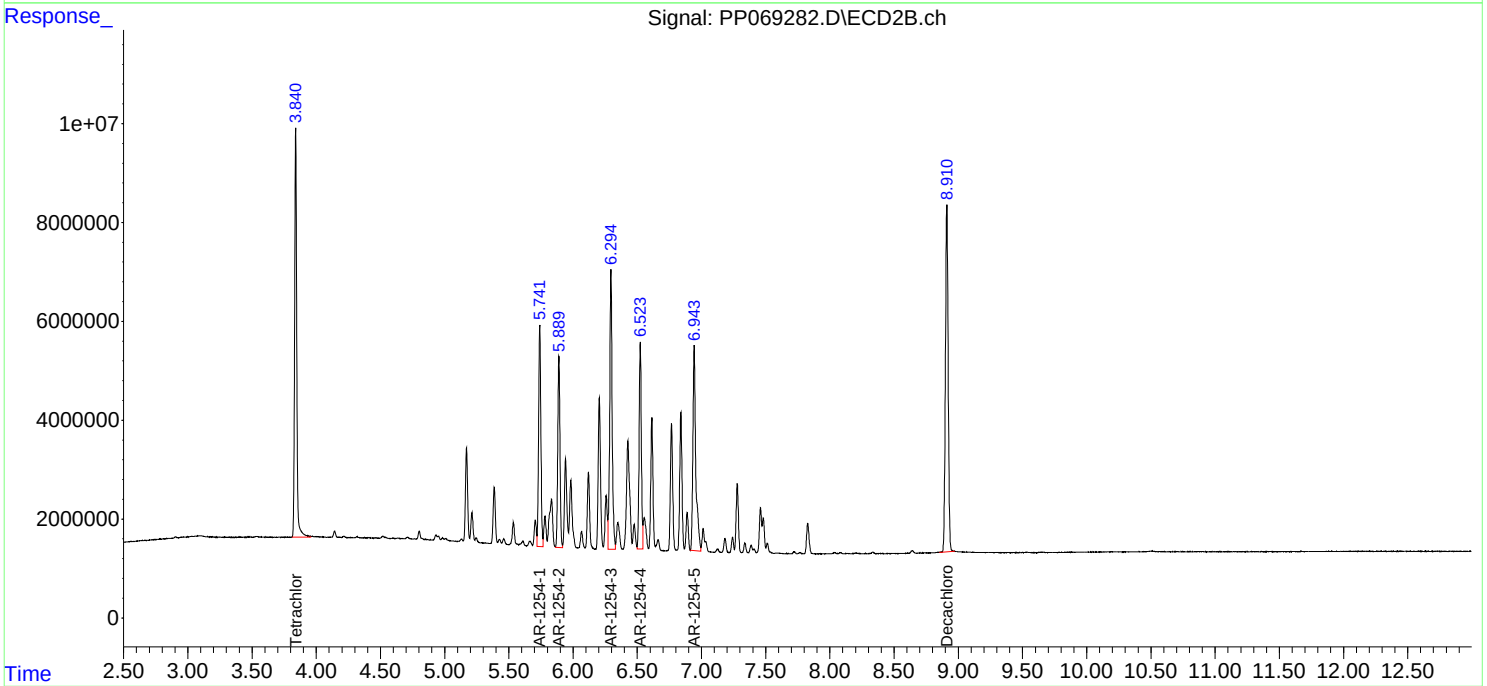
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069282.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 14:47
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 15:38:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 15:34:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 15:04
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 15:41:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 15:34:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.539	3.841	111.7E6	72162165	76.169	75.896
2)	SA Decachlor...	10.279	8.912	82401911	85497248	75.320	78.103
	Target Compounds						
26)	L6 AR-1254-1	6.544	5.743	42092792	41065443	766.370	760.304
27)	L6 AR-1254-2	6.761	5.891	60091044	35579285	764.115	757.746
28)	L6 AR-1254-3	7.123	6.297	62798989	55893880	761.800	745.755
29)	L6 AR-1254-4	7.406	6.525	50760334	37484466	755.593	751.598
30)	L6 AR-1254-5	7.823	6.945	50923574	50002042	756.096	752.714

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

Quantitation Report (QT Reviewed)

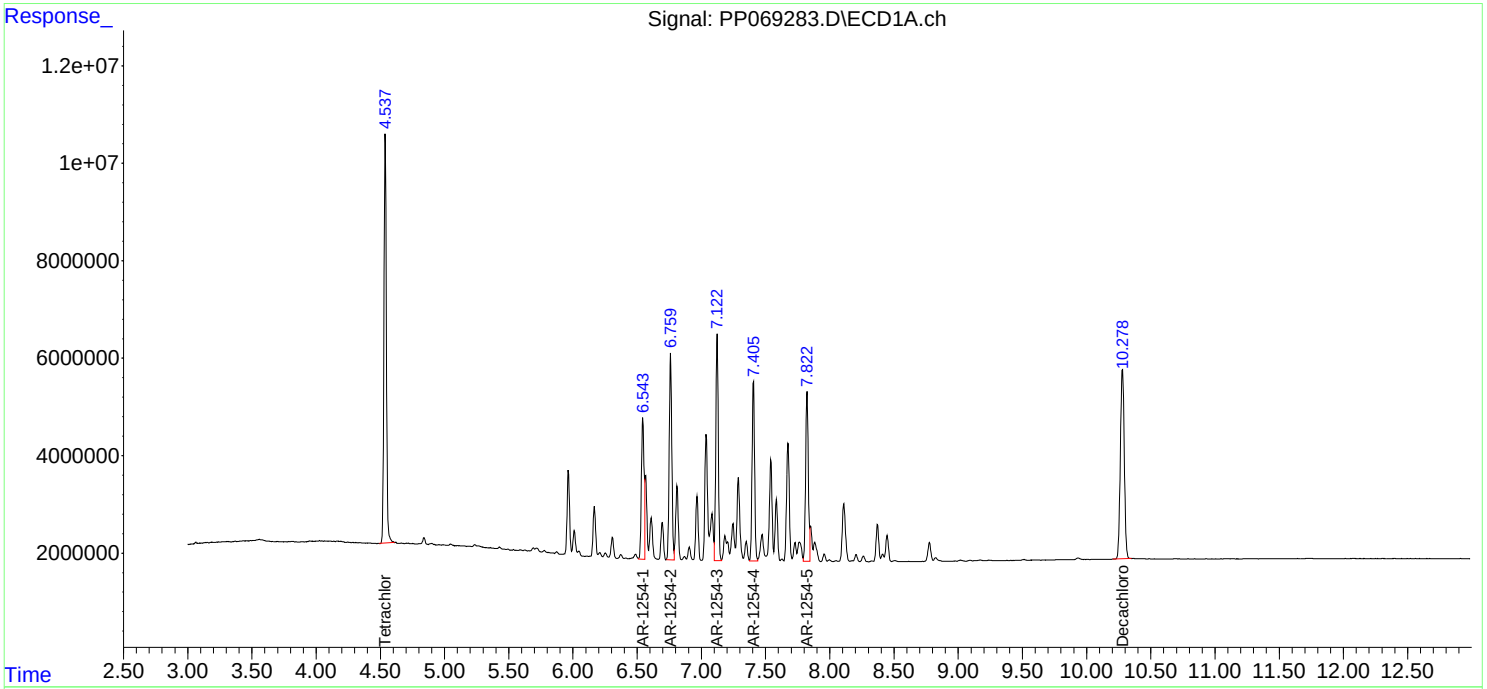
ICAL Form

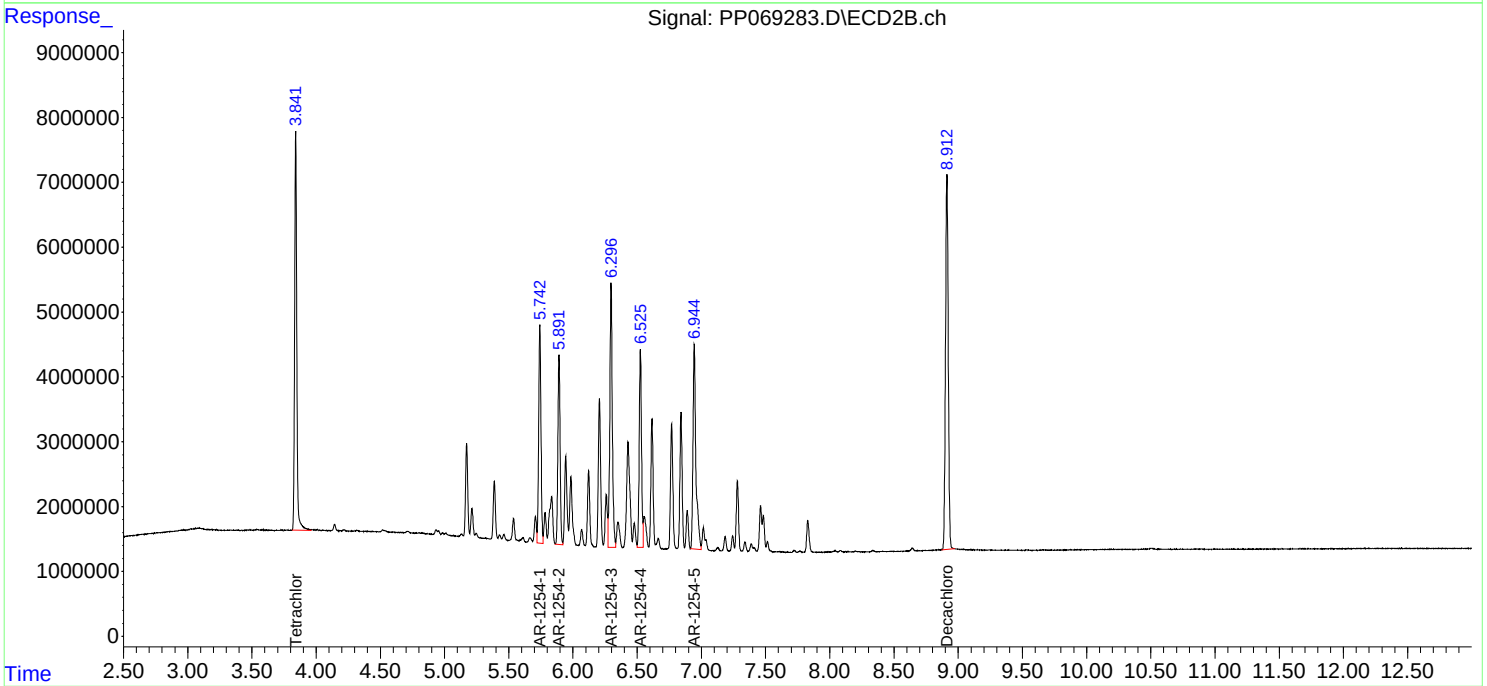
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 15:04
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 15:41:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 15:34:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 15:20
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 15:36:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 15:34:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.534	3.840	74350956	46911824	50.000	50.000
2)	SA Decachlor...	10.275	8.909	56754140	55443280	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	6.539	5.742	27978290	26702115	500.000	500.000
27)	L6 AR-1254-2	6.756	5.890	40280132	23279150	500.000	500.000
28)	L6 AR-1254-3	7.119	6.295	42426502	37668351	500.000	500.000
29)	L6 AR-1254-4	7.401	6.523	35282320	24919247	500.000	500.000
30)	L6 AR-1254-5	7.819	6.944	34508764	33693162	500.000	500.000

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

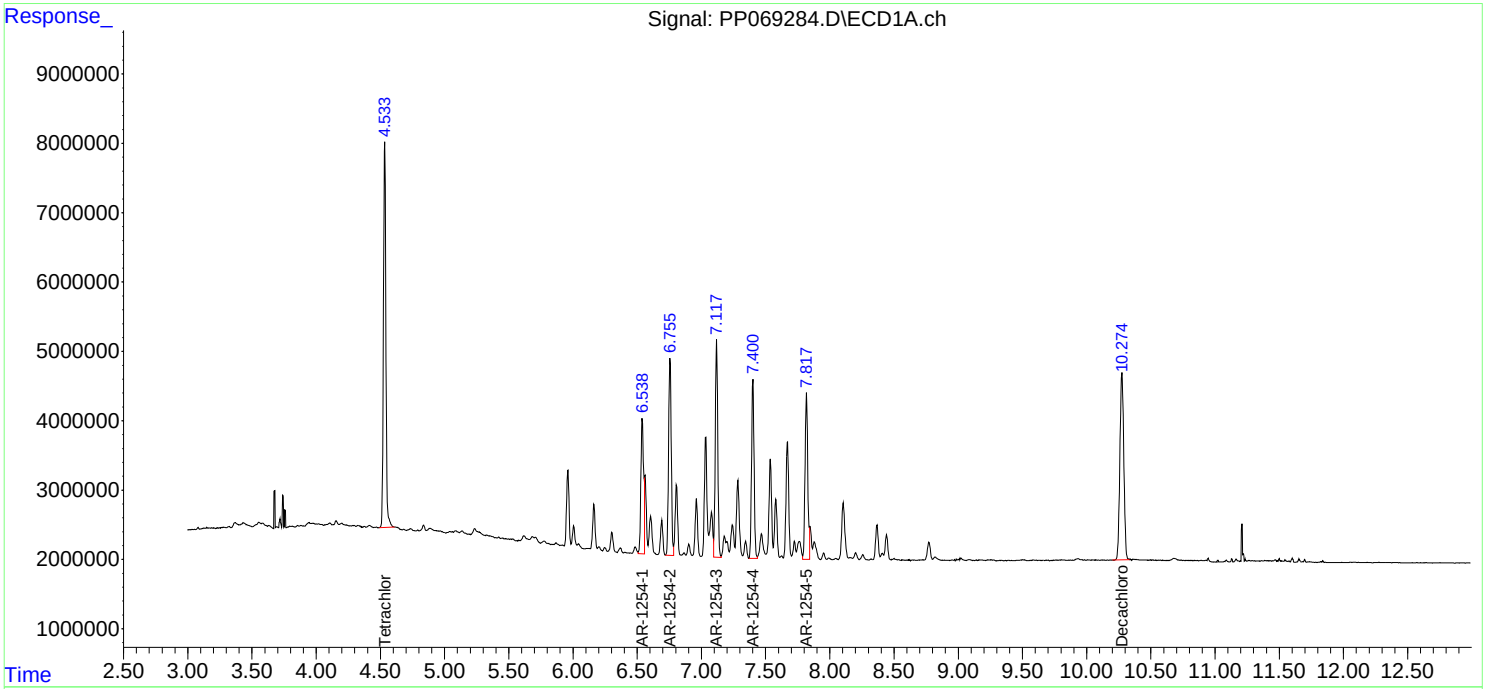
ICAL Form

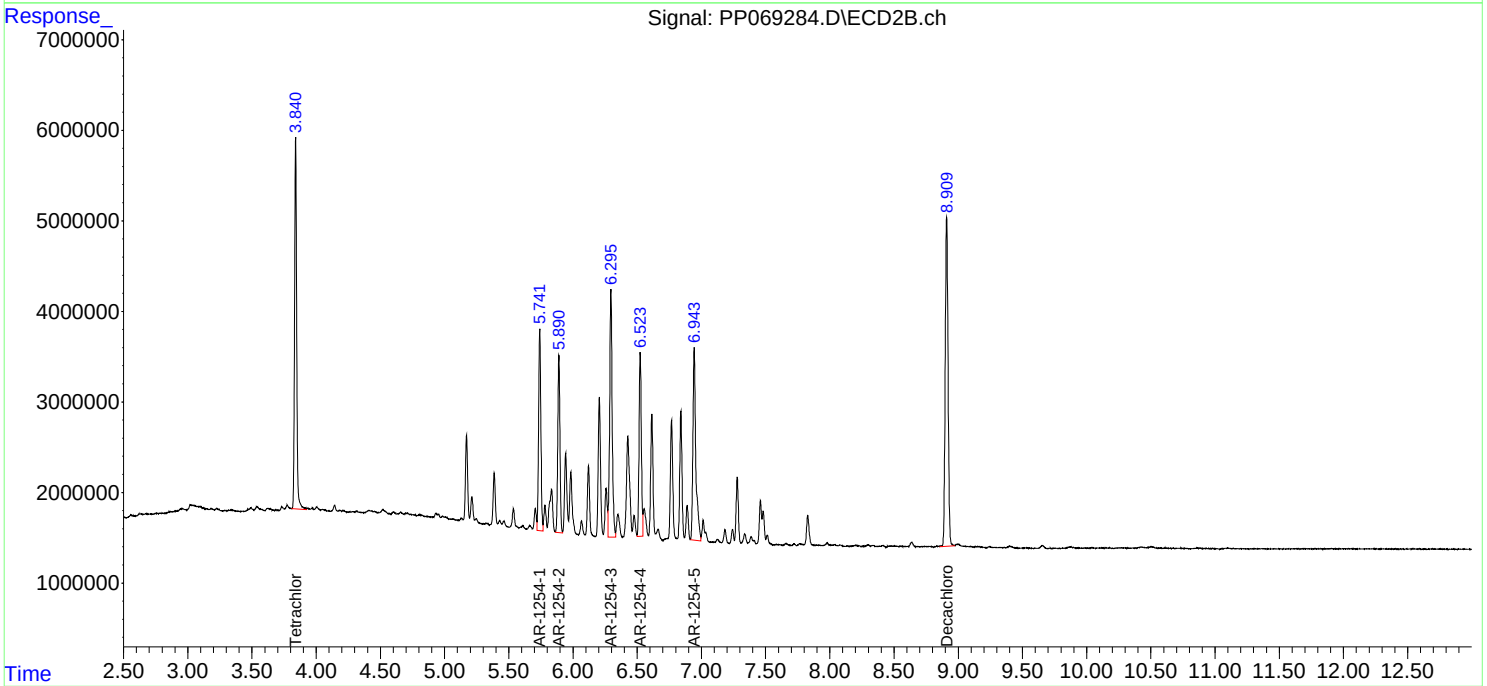
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 15:20
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 15:36:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 15:34:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069285.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 15:36
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 15:48:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 15:47:56 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...	4.537	3.841	38308296	24933870	25.841	25.907
2)	SA Decachlor...	10.277	8.912	29728444	31922182	26.595	27.996
	Target Compounds						
26)	L6 AR-1254-1	6.542	5.742	15348917	15166762	271.458	272.413
27)	L6 AR-1254-2	6.758	5.891	21814148	13205390	269.993	272.720
28)	L6 AR-1254-3	7.121	6.297	22435517	20943244	266.260	271.443
29)	L6 AR-1254-4	7.404	6.525	18279799	14284124	266.219	276.348
30)	L6 AR-1254-5	7.820	6.944	18690696	18712616	270.082	273.040

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

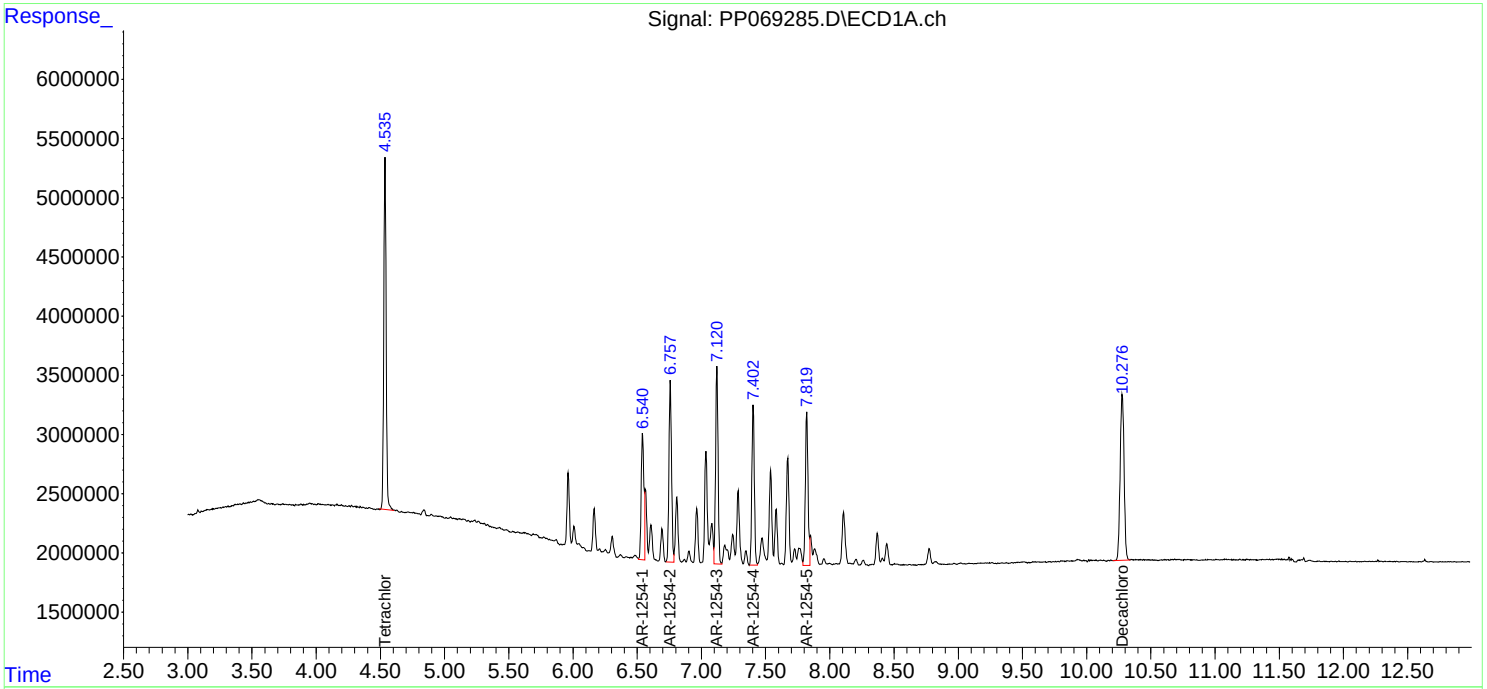
ICAL Form

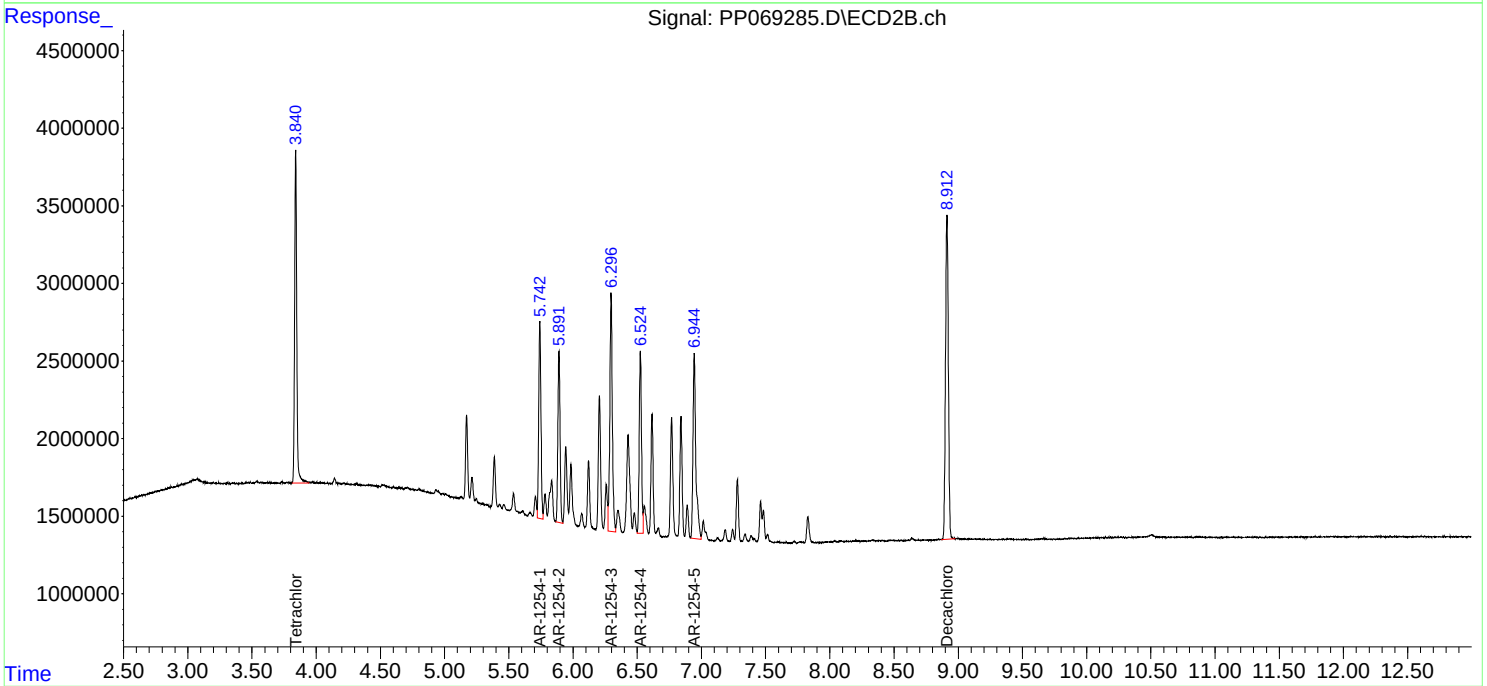
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069285.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 15:36
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 15:48:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 15:47:56 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\PP012825\
Data File : PP069286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 15:53
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 16:04:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 16:04:22 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...	4.537	3.841	6135092	4091392	4.293m	4.382
2)	SA Decachlor...	10.277	8.912	4792685	5691534	4.413	4.993
	Target Compounds						
26)	L6 AR-1254-1	6.542	5.742	3157414	2628819	55.481m	47.748
27)	L6 AR-1254-2	6.759	5.891	3901432	2408006	48.621	49.784
28)	L6 AR-1254-3	7.122	6.297	4219753	3542972	50.063	46.682
29)	L6 AR-1254-4	7.405	6.525	3314077	2474657	48.602	48.286
30)	L6 AR-1254-5	7.823	6.944	3170800	2933240	46.598	44.069

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 15:53
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

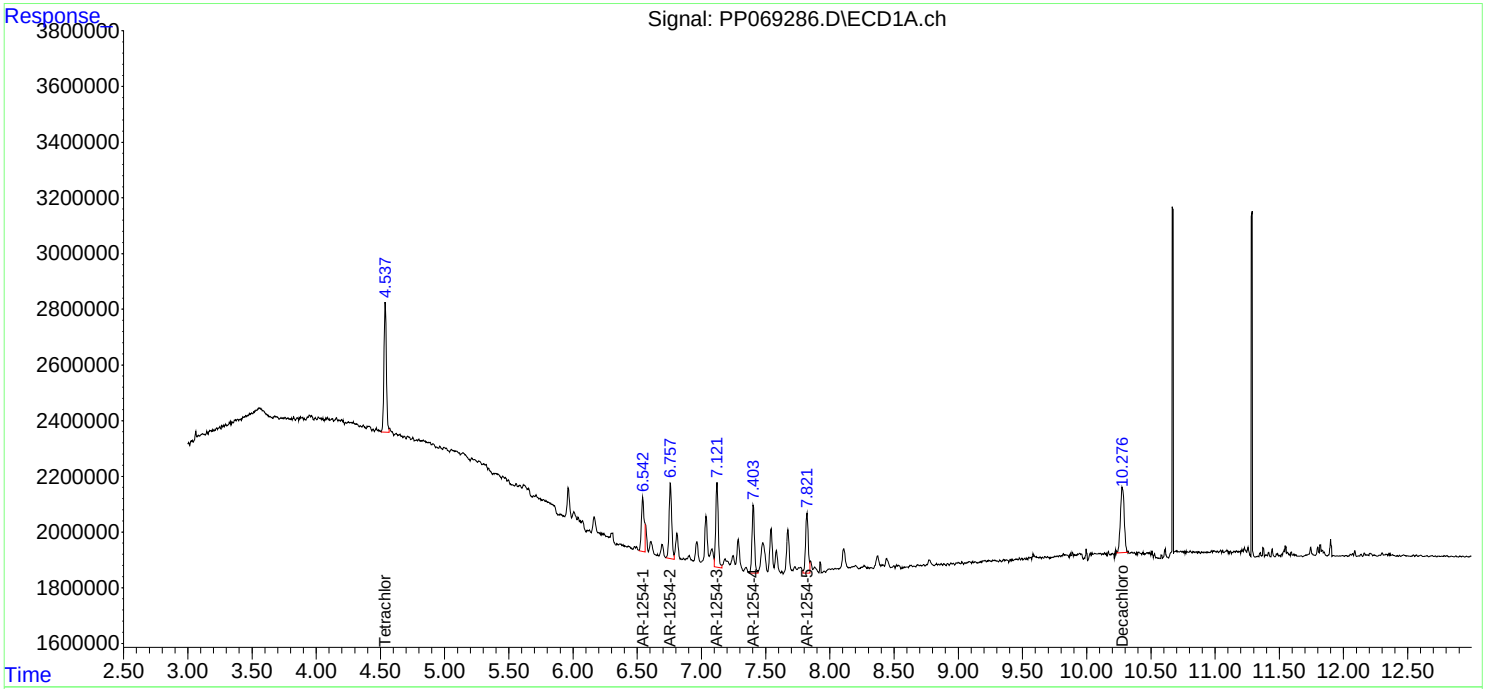
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

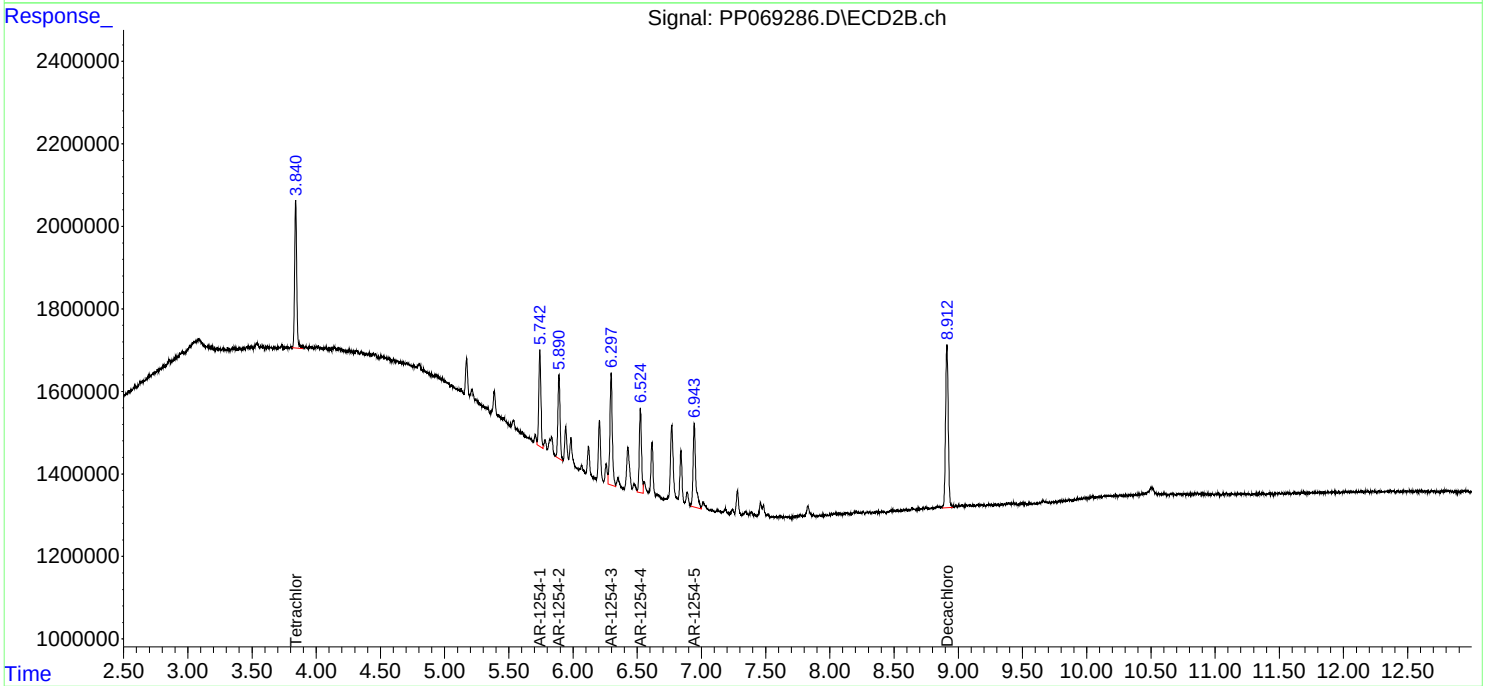
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 16:04:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 16:04:22 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\PP012825\
Data File : PP069287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 16:09
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: Jan 28 16:23:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 16:21:57 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...	4.537	3.842	70866290	45053246	50.000	50.000
2)	SA Decachlor...	10.278	8.912	54146536	52952692	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	8.124	6.983	39509132	35506595	500.000	500.000
37)	L8 AR-1262-2	8.446	7.243	76461630	30489732	500.000	500.000
38)	L8 AR-1262-3	8.766	7.768	53139905	26149600	500.000	500.000
39)	L8 AR-1262-4	8.852	7.832	40896466	46218246	500.000	500.000
40)	L8 AR-1262-5	9.511	8.336	28305097	23896110	500.000	500.000

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

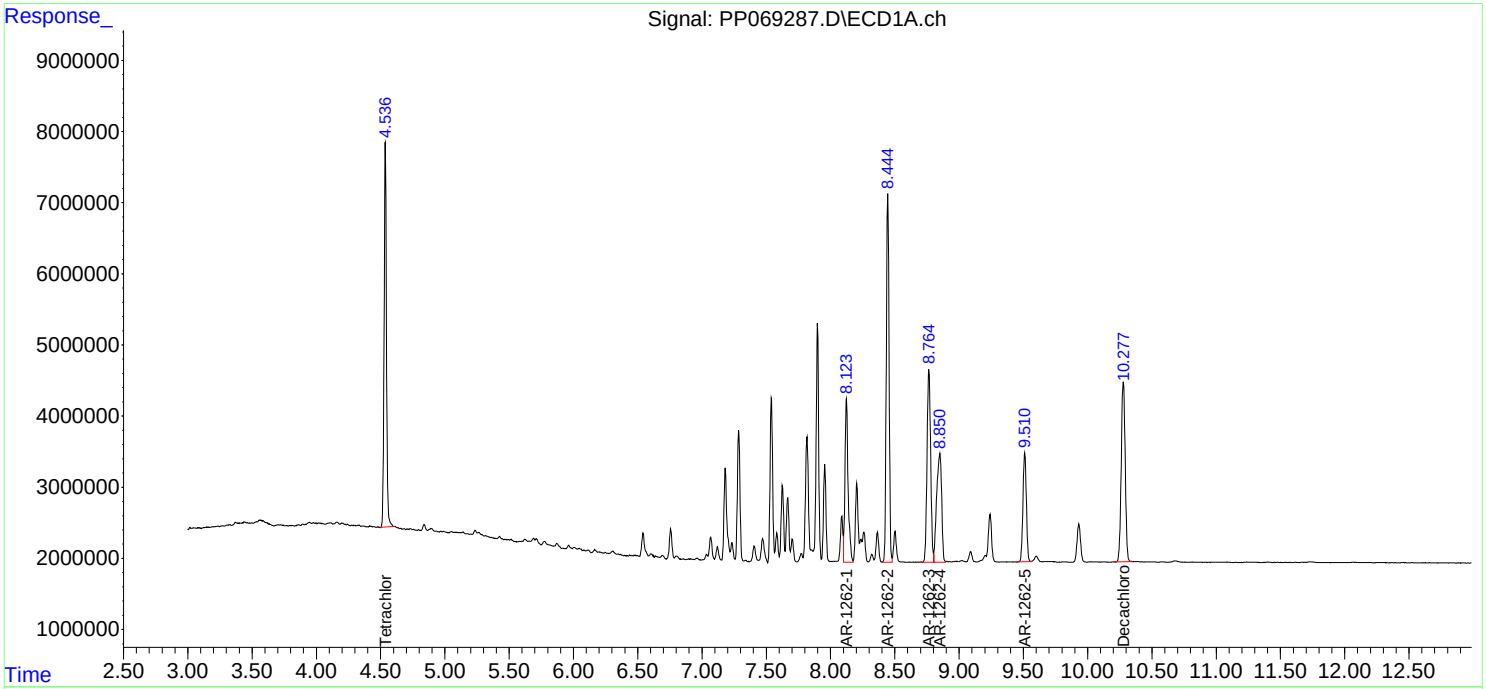
ICAL Form

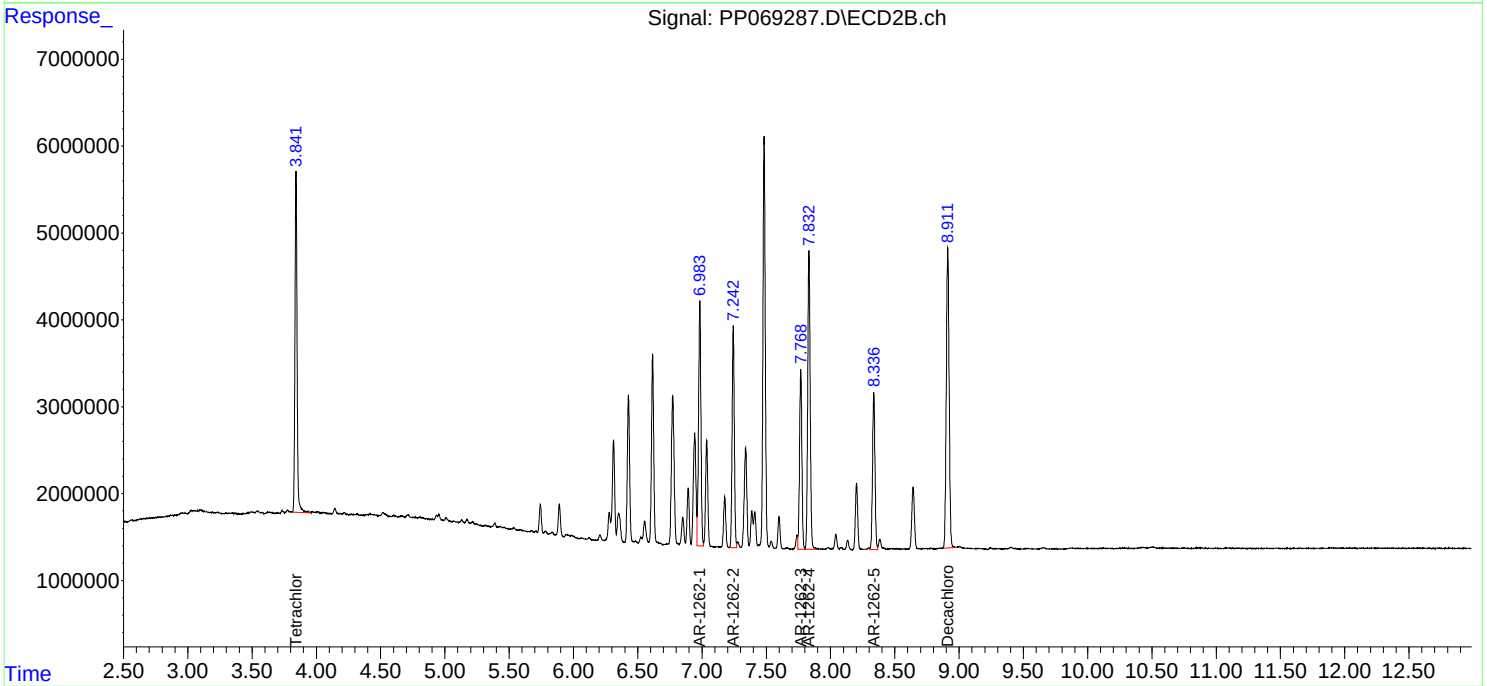
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 16:09
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 16:23:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 16:21:57 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\PP012825\
Data File : PP069288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 16:25
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: Jan 28 17:14:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:10:22 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...	4.537	3.842	141.7E6	92128954	95.944	96.727
2)	SA Decachlor...	10.278	8.913	175.4E6	173.2E6	95.468	94.768
	Target Compounds						
41)	L9 AR-1268-1	8.763	7.769	176.6E6	145.3E6	956.149	947.242
42)	L9 AR-1268-2	8.856	7.834	157.0E6	134.2E6	955.347	948.494
43)	L9 AR-1268-3	9.091	8.042	134.4E6	115.2E6	956.115	951.002
44)	L9 AR-1268-4	9.511	8.337	59595033	52741395	959.028	945.775
45)	L9 AR-1268-5	9.932	8.643	388.9E6	368.8E6	968.144	969.912

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

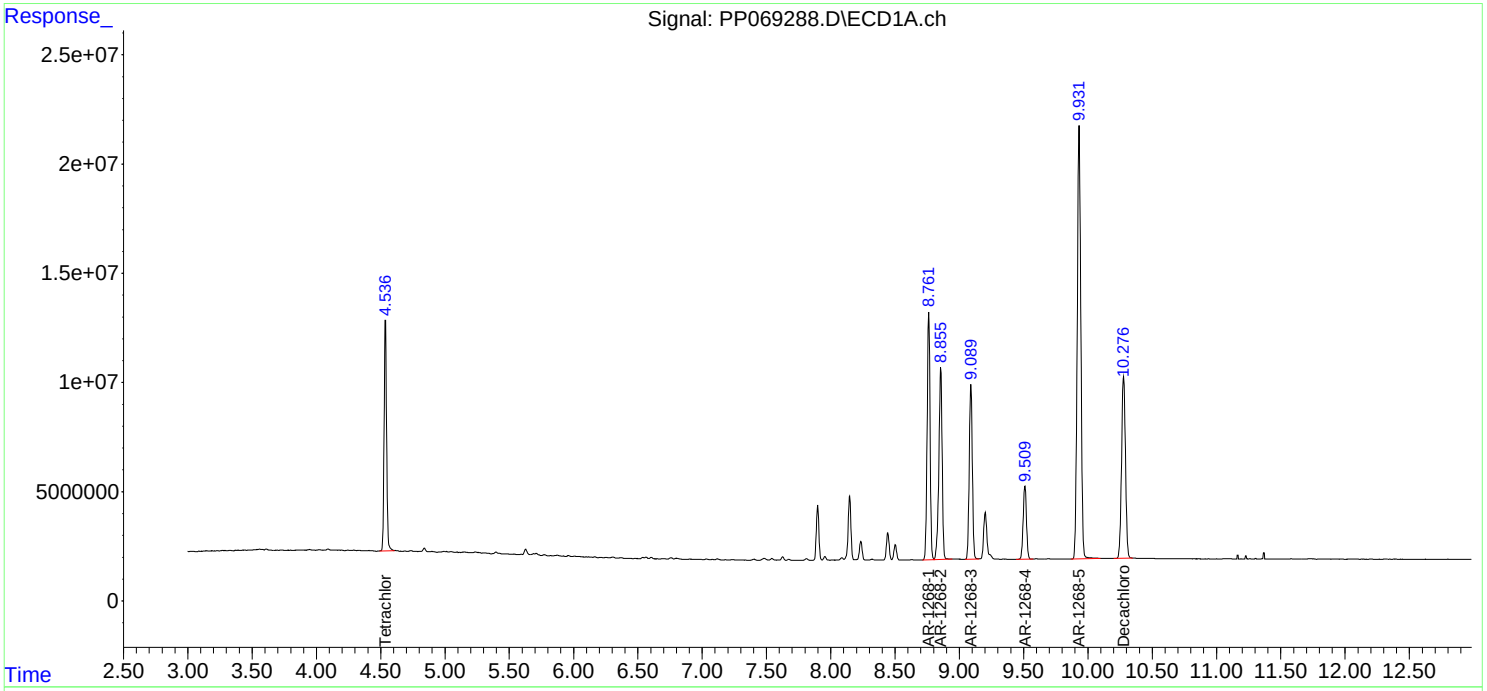
ICAL Form

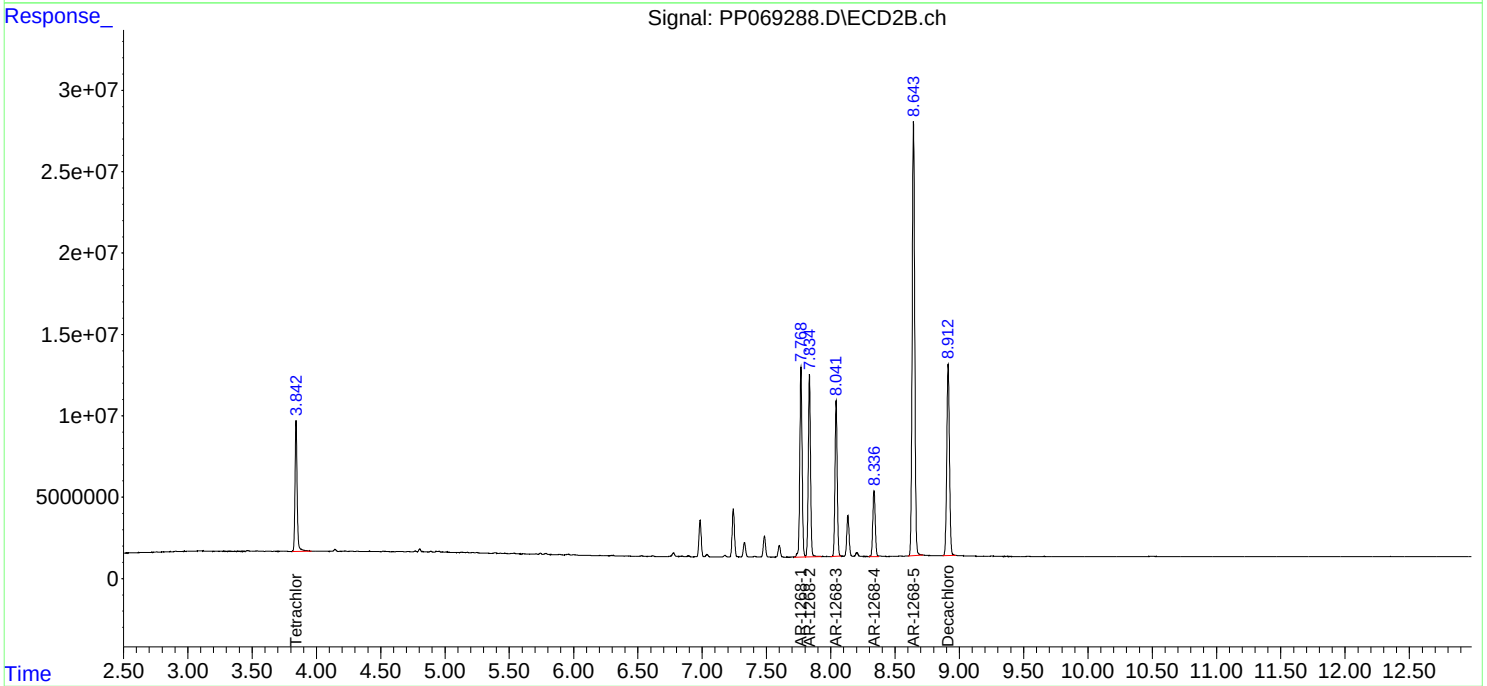
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 16:25
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:14:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:10:22 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\PP012825\
Data File : PP069289.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 16:42
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: Jan 28 17:19:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:10:22 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...	4.539	3.842	111.1E6	71903318	75.128	75.901
2)	SA Decachlor...	10.281	8.913	137.9E6	136.8E6	75.046	74.883
	Target Compounds						
41)	L9 AR-1268-1	8.763	7.769	138.6E6	112.6E6	750.252	738.987
42)	L9 AR-1268-2	8.858	7.833	123.3E6	104.3E6	750.168	741.423
43)	L9 AR-1268-3	9.093	8.042	105.3E6	88413325	749.171	736.666
44)	L9 AR-1268-4	9.513	8.337	46710125	41418932	751.118	745.142
45)	L9 AR-1268-5	9.935	8.643	302.5E6	288.2E6	751.971	755.369

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

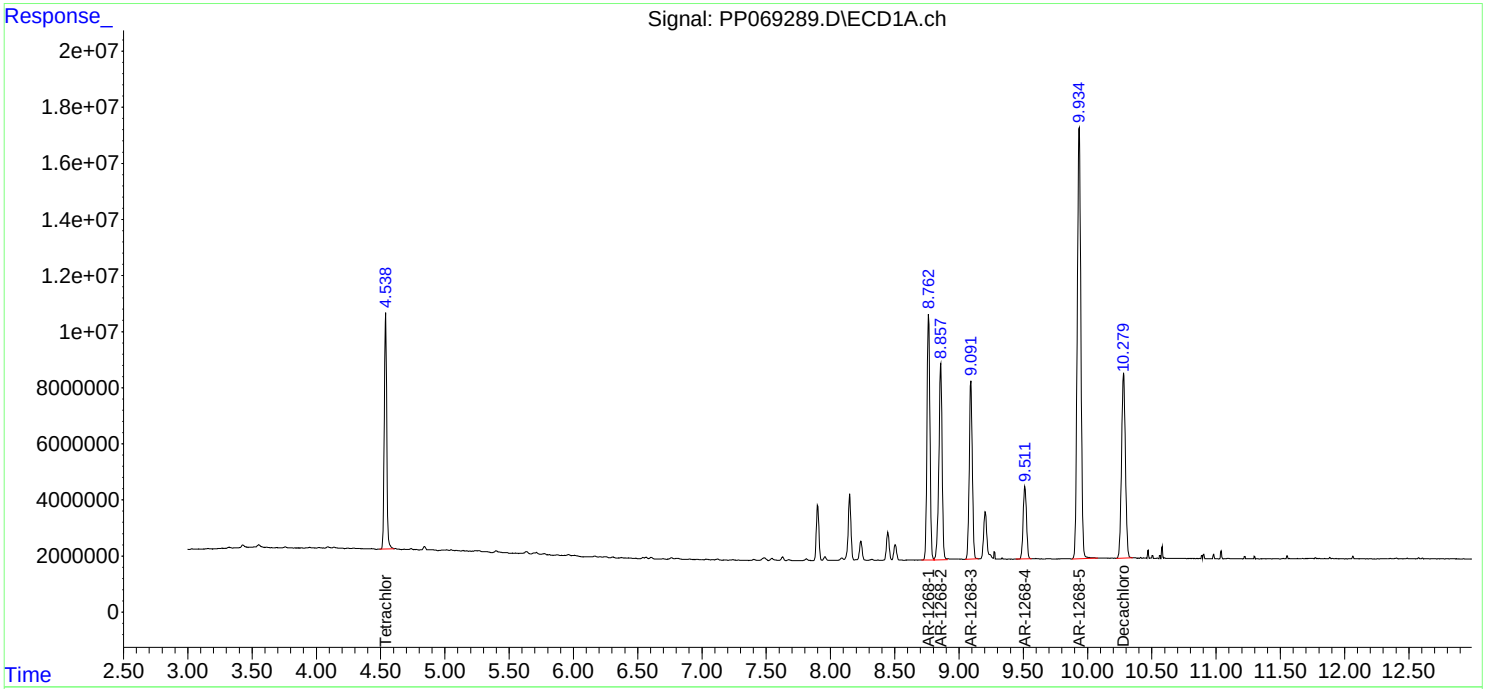
ICAL Form

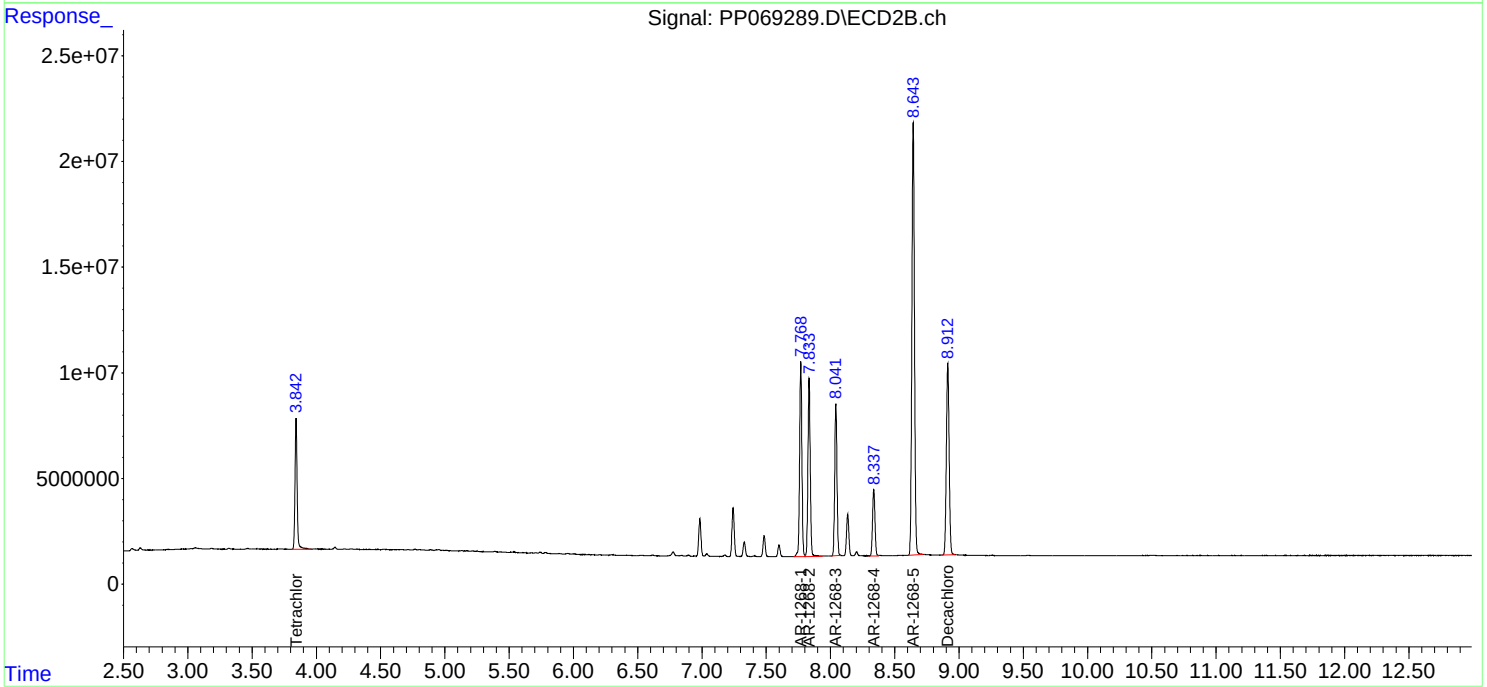
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069289.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 16:42
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:19:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:10:22 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\PP012825\
Data File : PP069290.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 16:58
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: Jan 28 17:11:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:10:22 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...	4.536	3.841	76862426	49181825	50.000	50.000
2) SA	Decachlor...	10.279	8.911	96042801	96162855	50.000	50.000
	Target Compounds						
41) L9	AR-1268-1	8.761	7.768	96392837	80759270	500.000	500.000
42) L9	AR-1268-2	8.855	7.833	85848712	74363836	500.000	500.000
43) L9	AR-1268-3	9.090	8.040	73389481	63508948	500.000	500.000
44) L9	AR-1268-4	9.510	8.335	32343556	29394578	500.000	500.000
45) L9	AR-1268-5	9.932	8.641	207.3E6	195.8E6	500.000	500.000

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

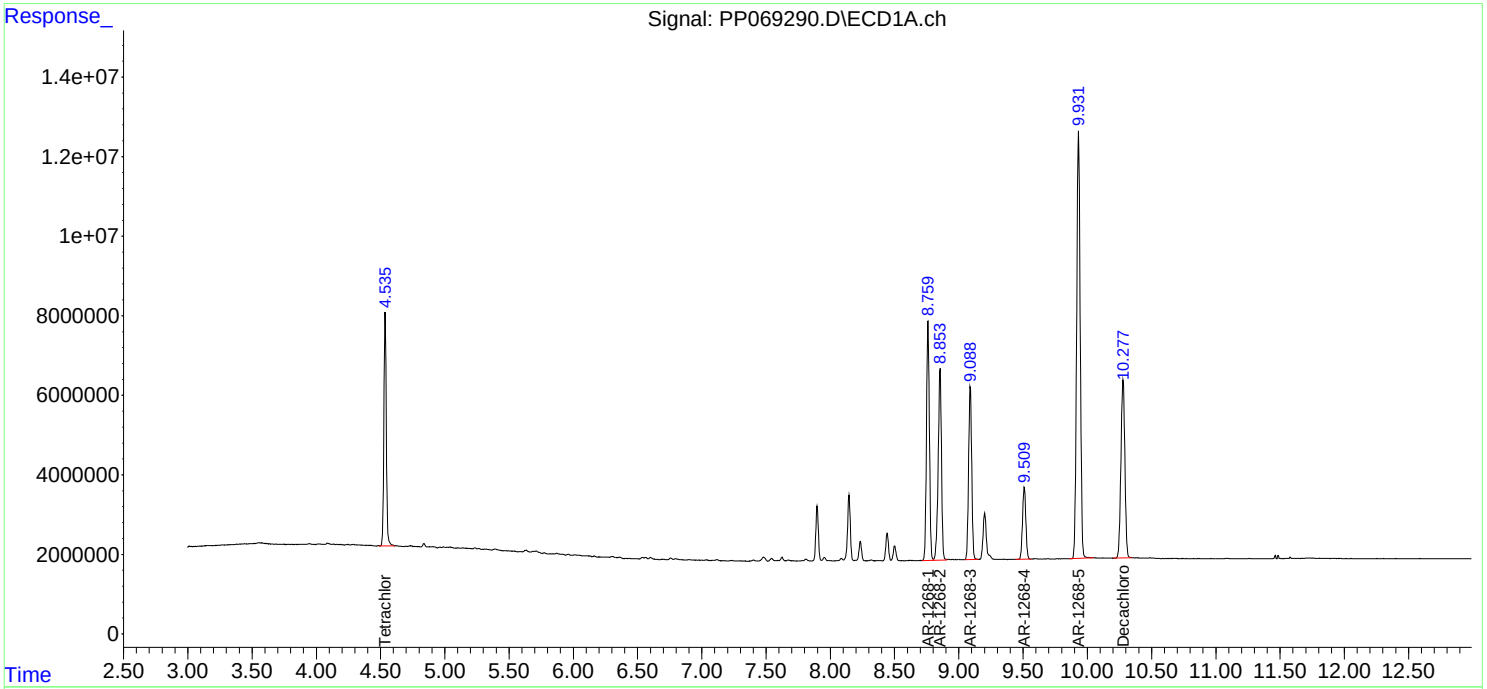
ICAL Form

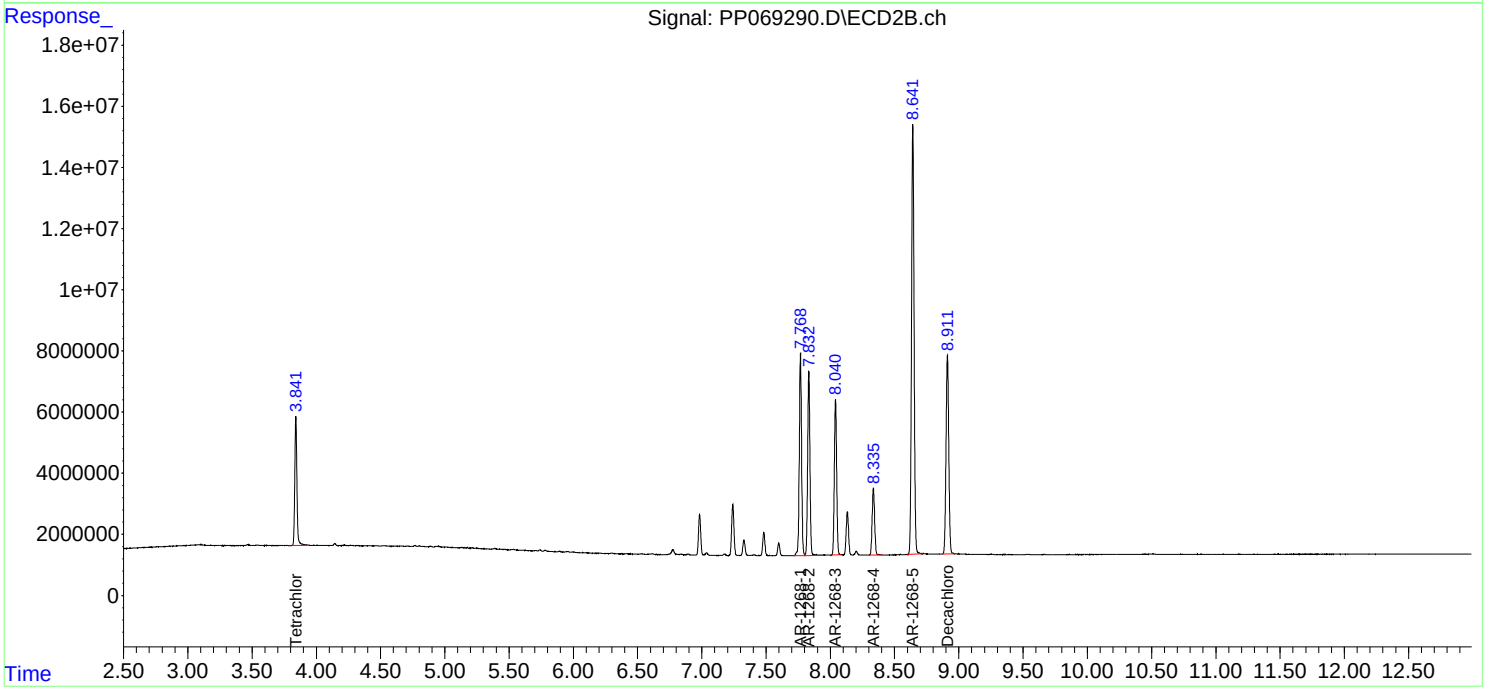
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069290.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 16:58
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:11:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:10:22 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\PP012825\
Data File : PP069291.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 17:14
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: Jan 28 17:28:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:28:39 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...	4.553	3.841	39693299	25406430	26.359	26.193
2)	SA Decachlor...	10.293	8.912	50826883	48064273	26.937	25.976
	Target Compounds						
41)	L9 AR-1268-1	8.778	7.768	50705640	40061895	267.938	259.651
42)	L9 AR-1268-2	8.872	7.832	44793849	36640221	266.509	257.814
43)	L9 AR-1268-3	9.106	8.041	38627120	31135456	268.197	257.001
44)	L9 AR-1268-4	9.527	8.336	16972703	14773829	266.811	261.656
45)	L9 AR-1268-5	9.947	8.642	109.1E6	95443492	265.618	250.089

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

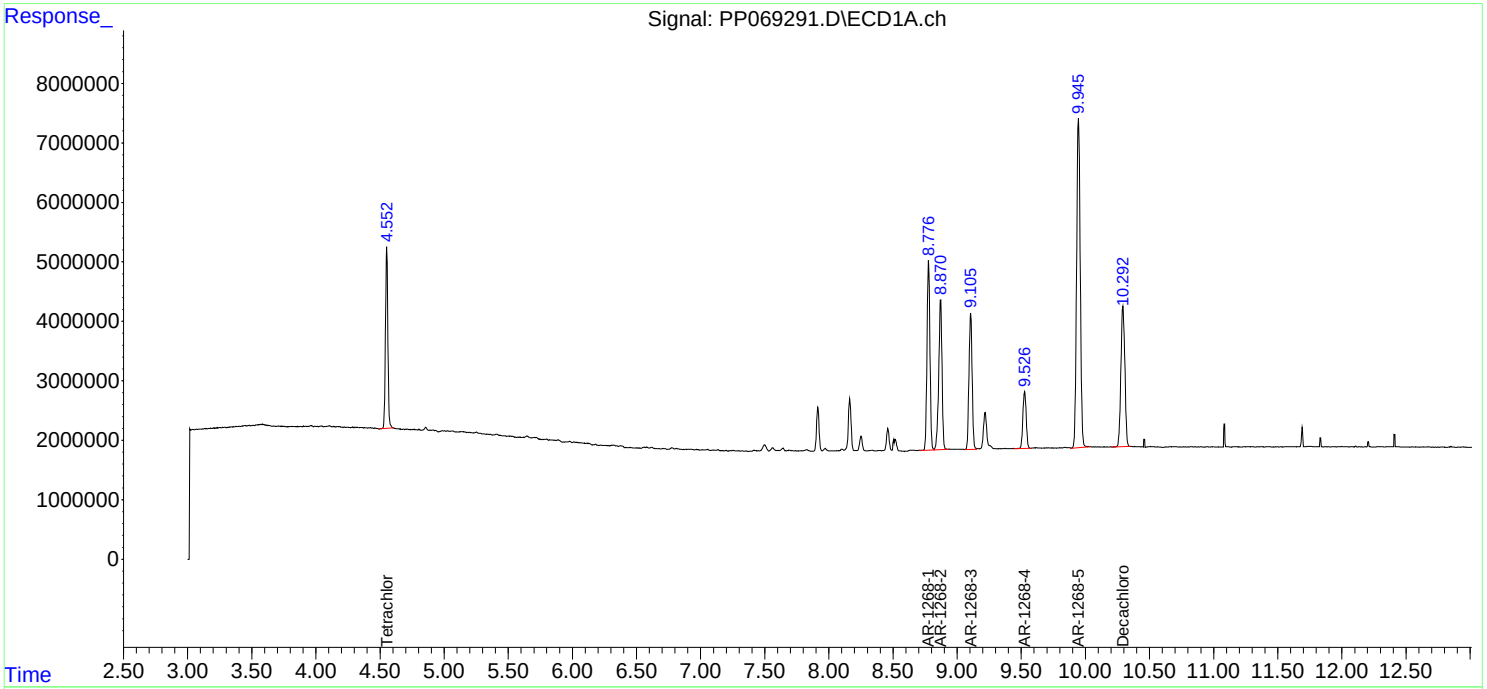
ICAL Form

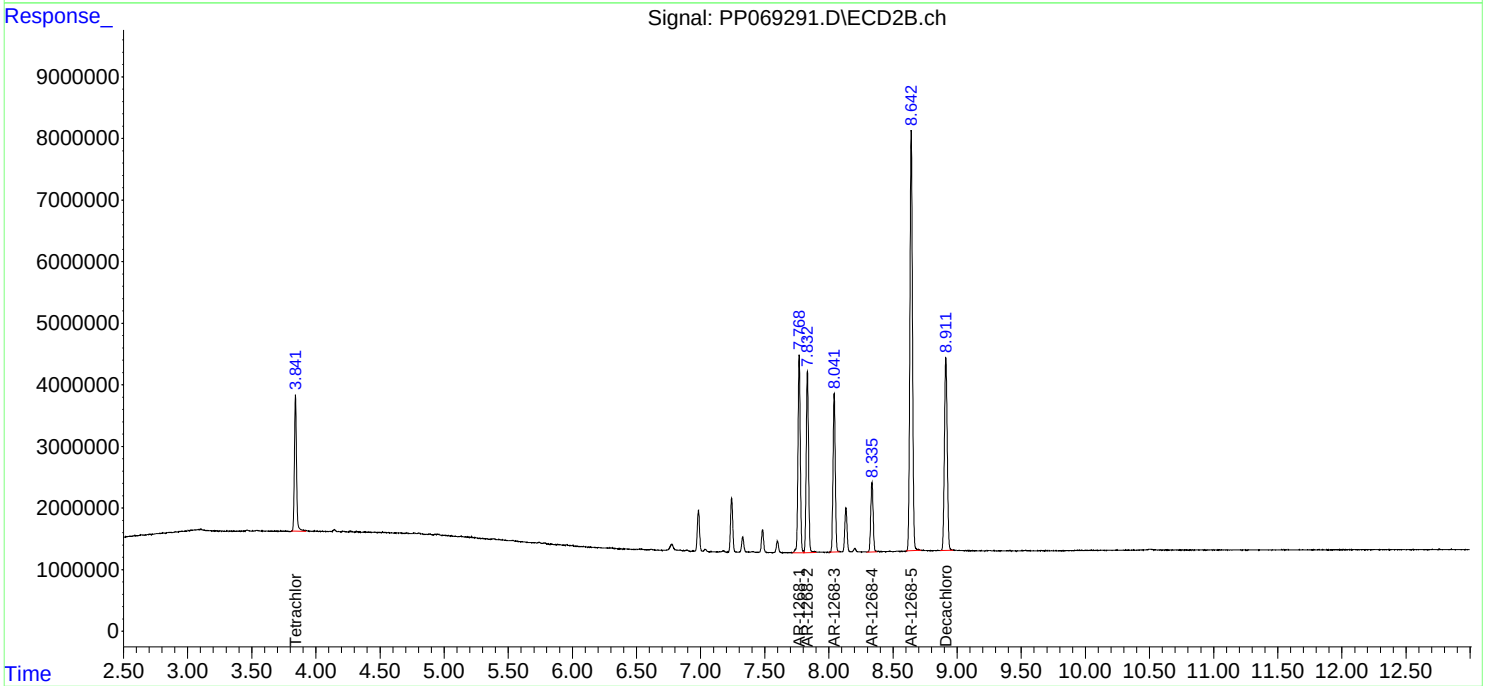
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069291.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 17:14
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:28:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:28:39 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\PP012825\
Data File : PP069292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 17:30
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:46:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:46:12 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...	4.537	3.840	4537630	2929843	3.283m	3.277m
2)	SA Decachlor...	10.278	8.910	5979560	6573940	3.419	3.771
	Target Compounds						
41)	L9 AR-1268-1	8.763	7.767	6295775	5422252	35.654	37.363
42)	L9 AR-1268-2	8.857	7.832	5727609	4780082	36.395	35.990
43)	L9 AR-1268-3	9.093	8.039	4626946	4204668	34.600	36.968
44)	L9 AR-1268-4	9.511	8.335	1957538	1726940	33.336	33.161
45)	L9 AR-1268-5	9.933	8.641	13066763	12717604	34.305	35.705

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 17:30
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

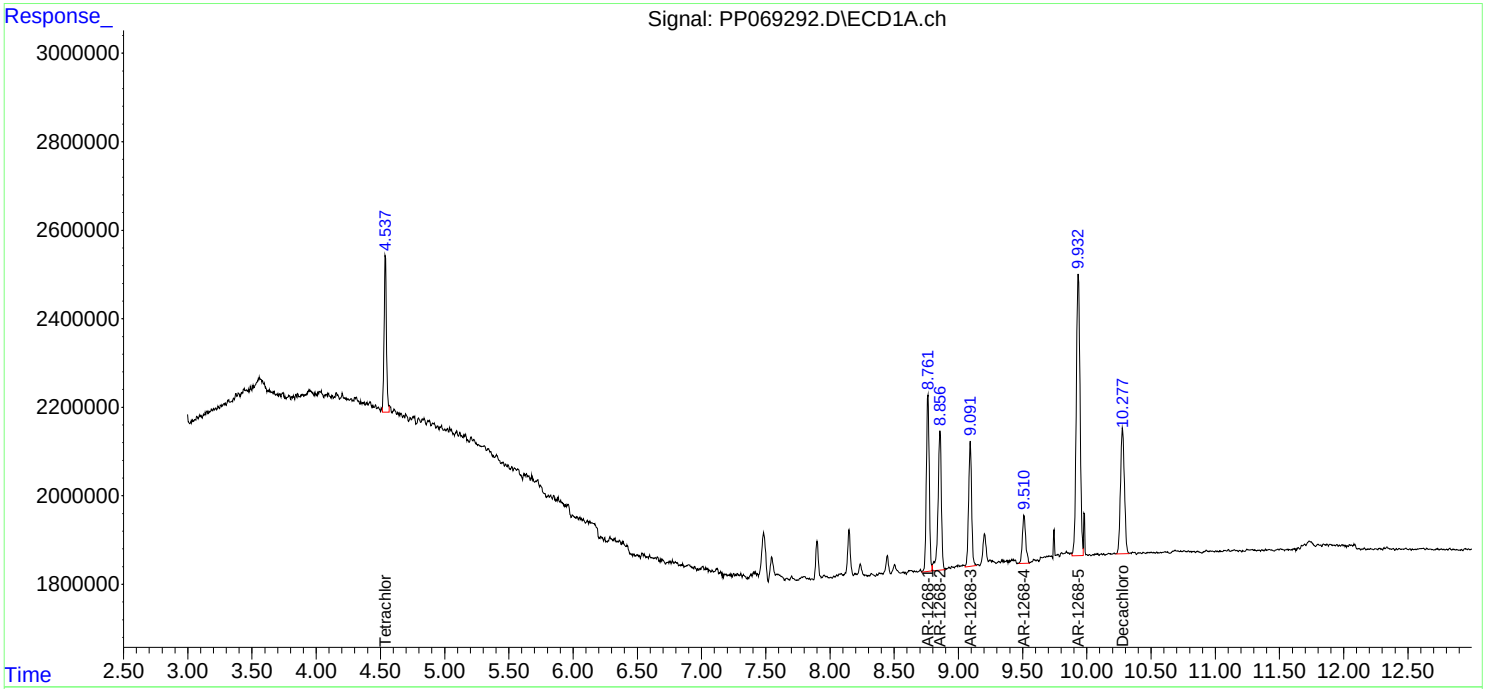
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

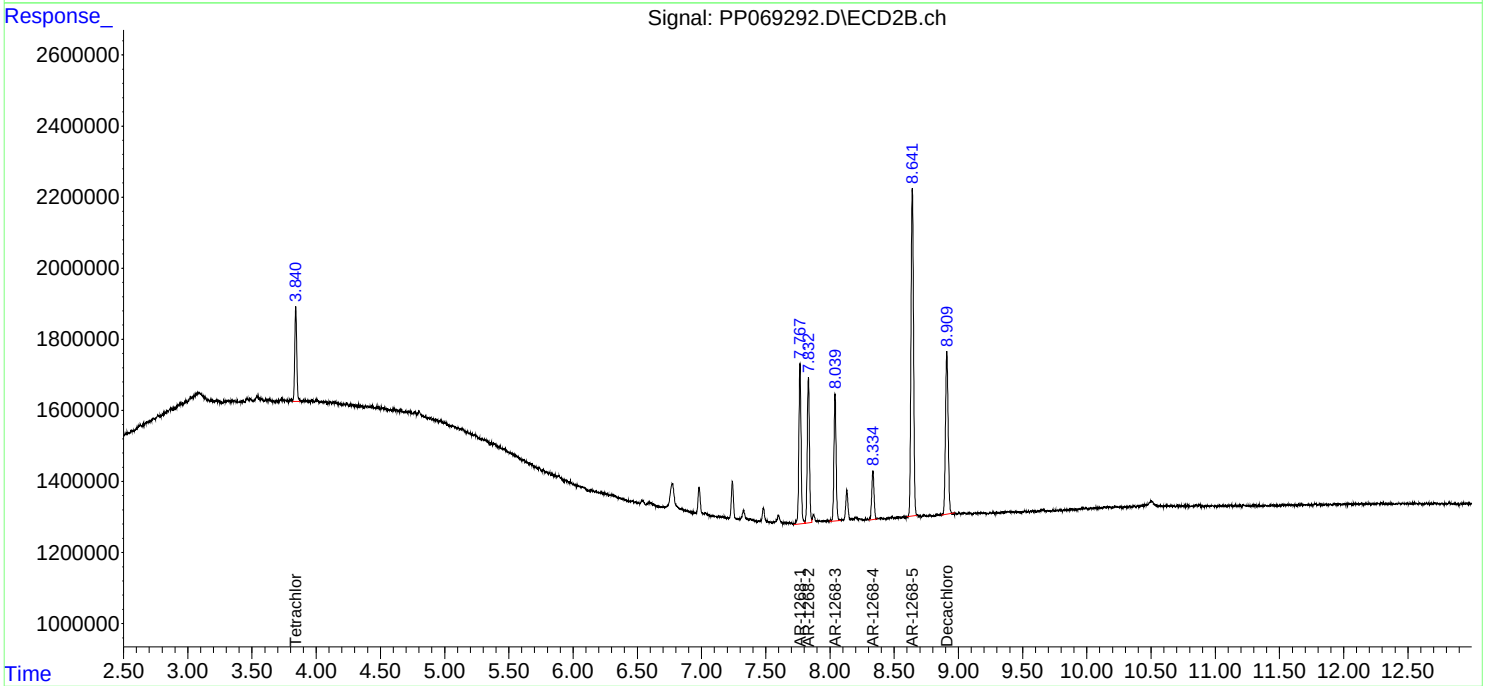
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:46:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:46:12 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\PP012825\
Data File : PP069293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 17:47
Operator : YP\AJ
Sample : PP012825ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP012825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:59:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 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...	4.534	3.841	74230451	47659652	51.856	53.398
2)	SA Decachlor...	10.274	8.911	57553327	56187297	52.661	50.235
	Target Compounds						
3)	L1 AR-1016-1	5.688	4.934	24061581	16845536	519.319	516.496
4)	L1 AR-1016-2	5.709	4.953	34728146	23100033	511.632	513.809
5)	L1 AR-1016-3	5.772	5.131	21101112	12951595	495.371	520.479
6)	L1 AR-1016-4	5.869	5.172	18055342	10646965	515.860	527.175
7)	L1 AR-1016-5	6.163	5.388	16717226	13663941	505.686	509.394
31)	L7 AR-1260-1	7.283	6.427	30214710	25313813	517.054	524.861
32)	L7 AR-1260-2	7.537	6.615	38414643	31274552	493.680	510.158
33)	L7 AR-1260-3	7.896	6.770	31738047	29037300	507.652	482.697
34)	L7 AR-1260-4	8.120	7.244	33029814	24263249	500.628	522.153
35)	L7 AR-1260-5	8.443	7.483	66012339	57109170	504.196	513.825

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

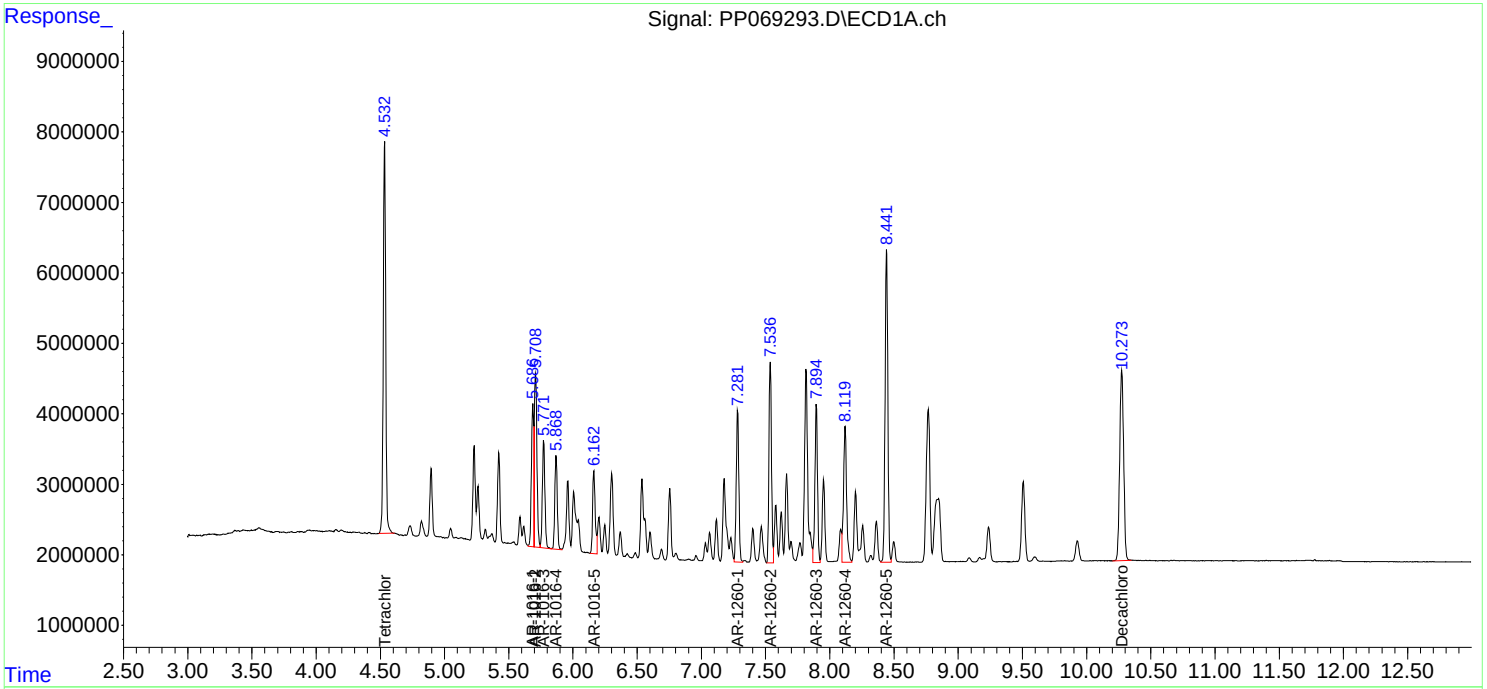
ICAL Form

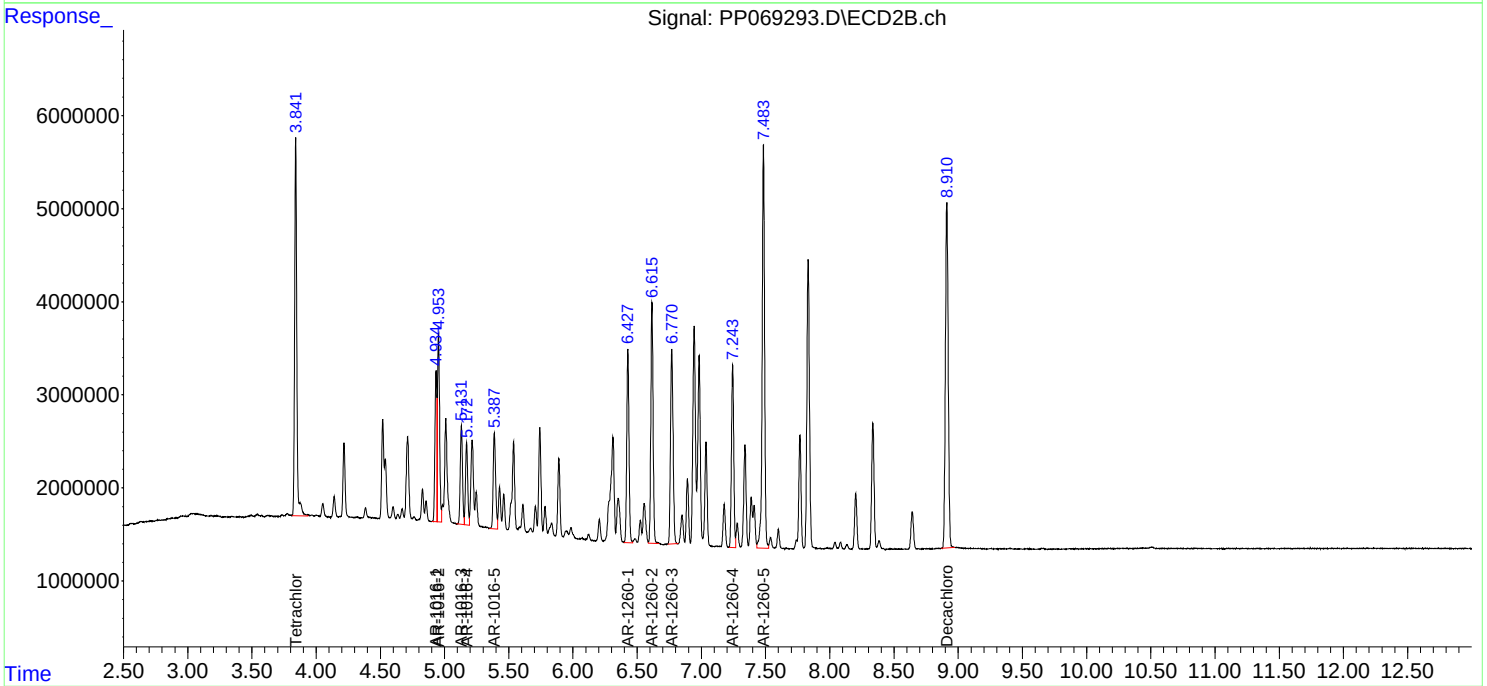
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 17:47
Operator : YP\AJ
Sample : PP012825ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP012825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:59:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 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\PP012825\
Data File : PP069294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 18:03
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 18:13:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 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...	4.538	3.840	73528508	45074660	51.365	50.502
2)	SA Decachlor...	10.279	8.910	55006808	53974487	50.331	48.257
	Target Compounds						
16)	L4 AR-1242-1	5.692	4.933	19485743	14591085	467.225	506.072
17)	L4 AR-1242-2	5.714	4.952	30104171	19350019	510.319	491.145
18)	L4 AR-1242-3	5.777	5.131	18082829	11274965	487.426	501.019
19)	L4 AR-1242-4	5.874	5.215	15605992	10907868	475.870	505.409
20)	L4 AR-1242-5	6.605	5.741	17080730	14269255	524.201	496.005

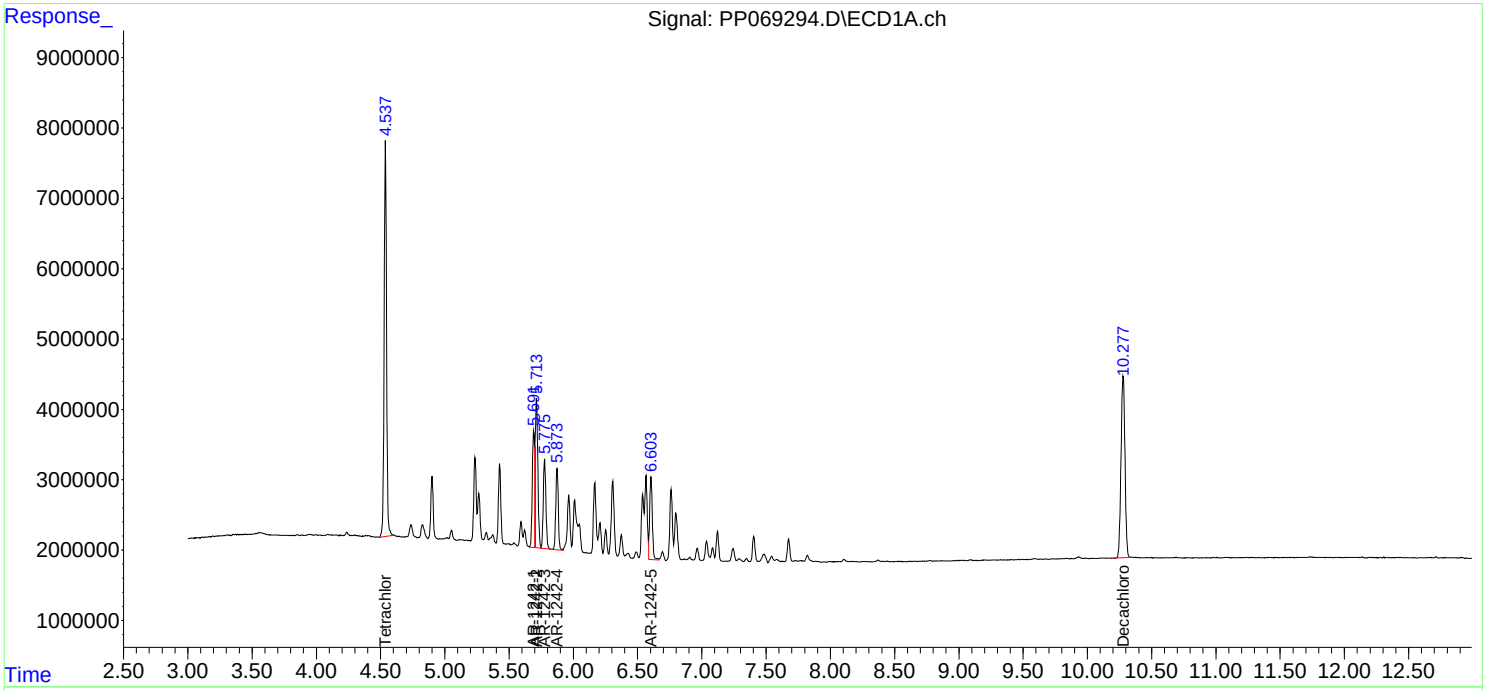
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

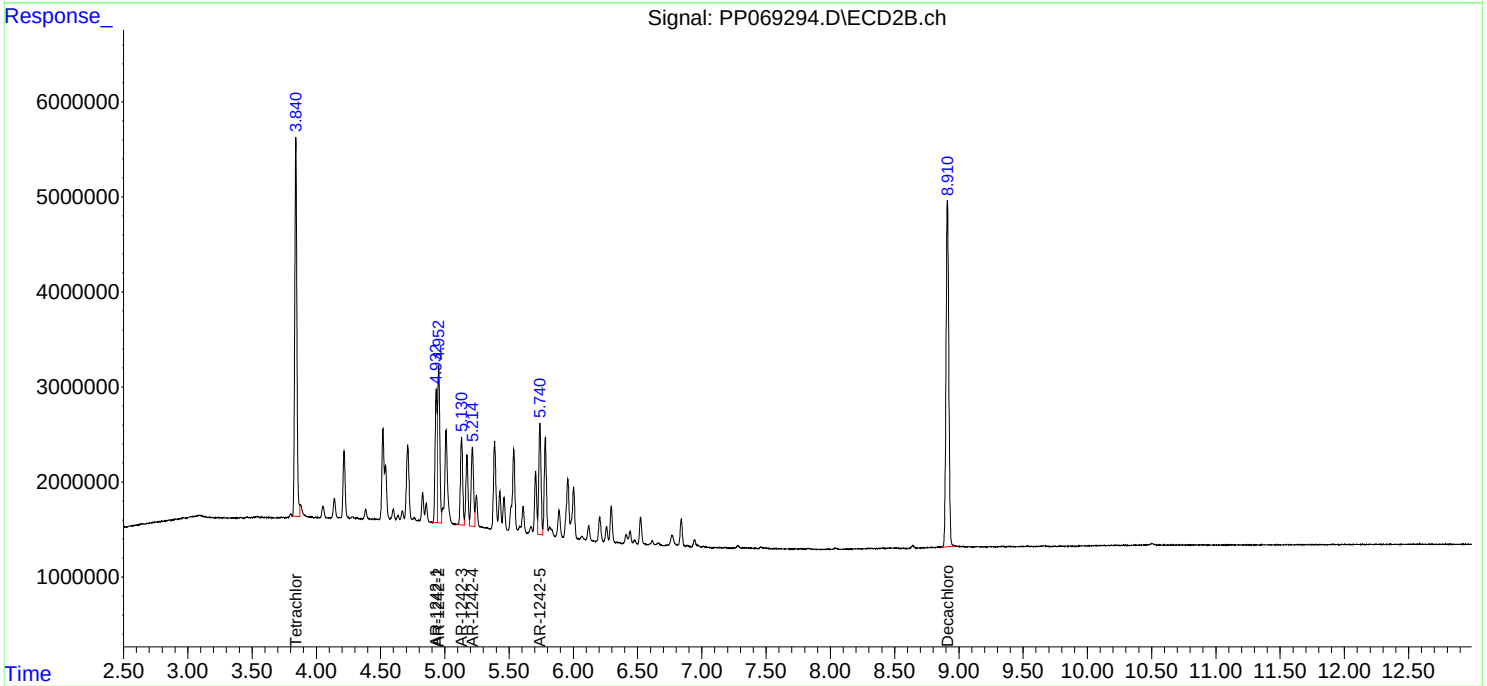
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 18:03
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 18:13:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 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\PP012825\
Data File : PP069295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 18:19
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 00:02:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 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...	4.536	3.840	73116696	46870709	51.078	52.514
2)	SA Decachlor...	10.276	8.911	54874423	54998654	50.210	49.172
	Target Compounds						
21)	L5 AR-1248-1	5.689	4.933	15598439	11058451	480.854	502.416
22)	L5 AR-1248-2	5.962	5.171	21644853	14938470	509.934	496.879
23)	L5 AR-1248-3	6.165	5.214	23663172	15456967	503.609	498.865
24)	L5 AR-1248-4	6.564	5.387	28089077	18100081	509.587	489.937
25)	L5 AR-1248-5	6.603	5.782	26798161	19153345	501.991	512.267

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

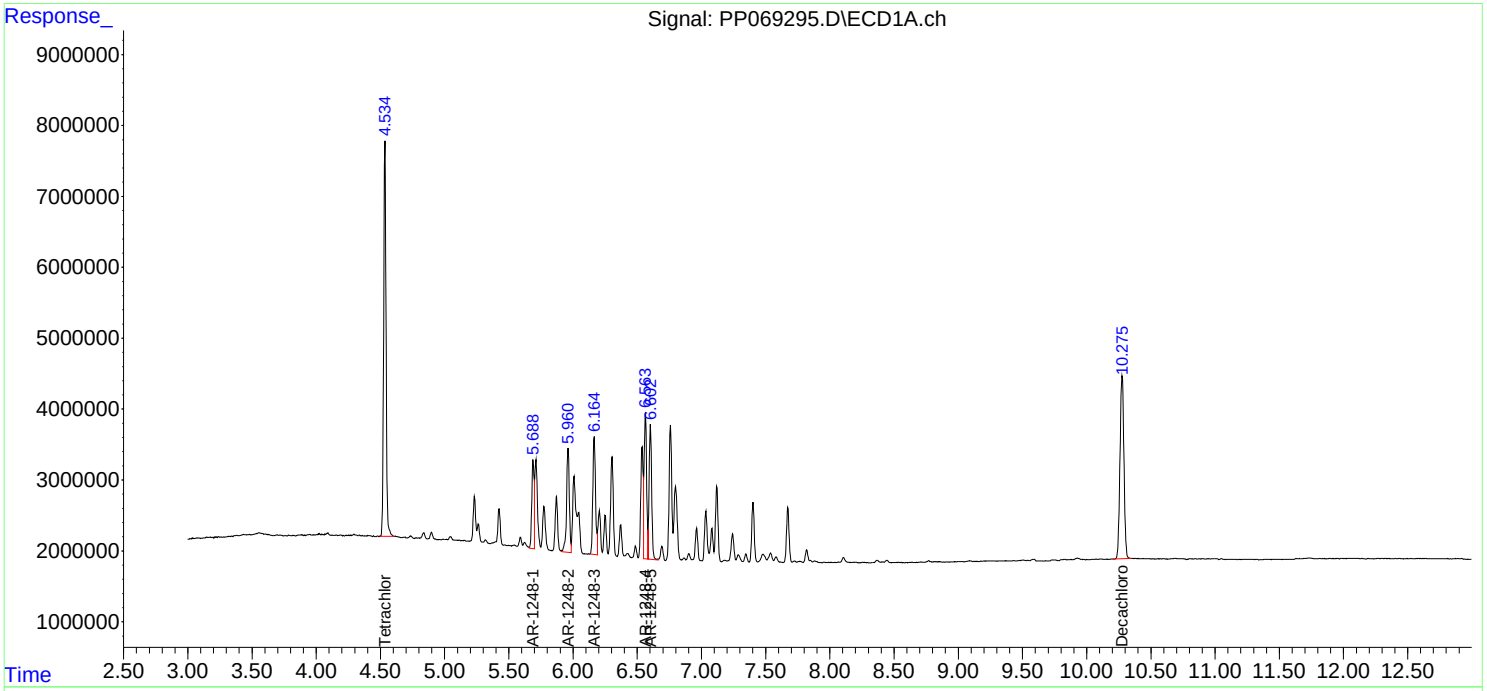
ICAL Form

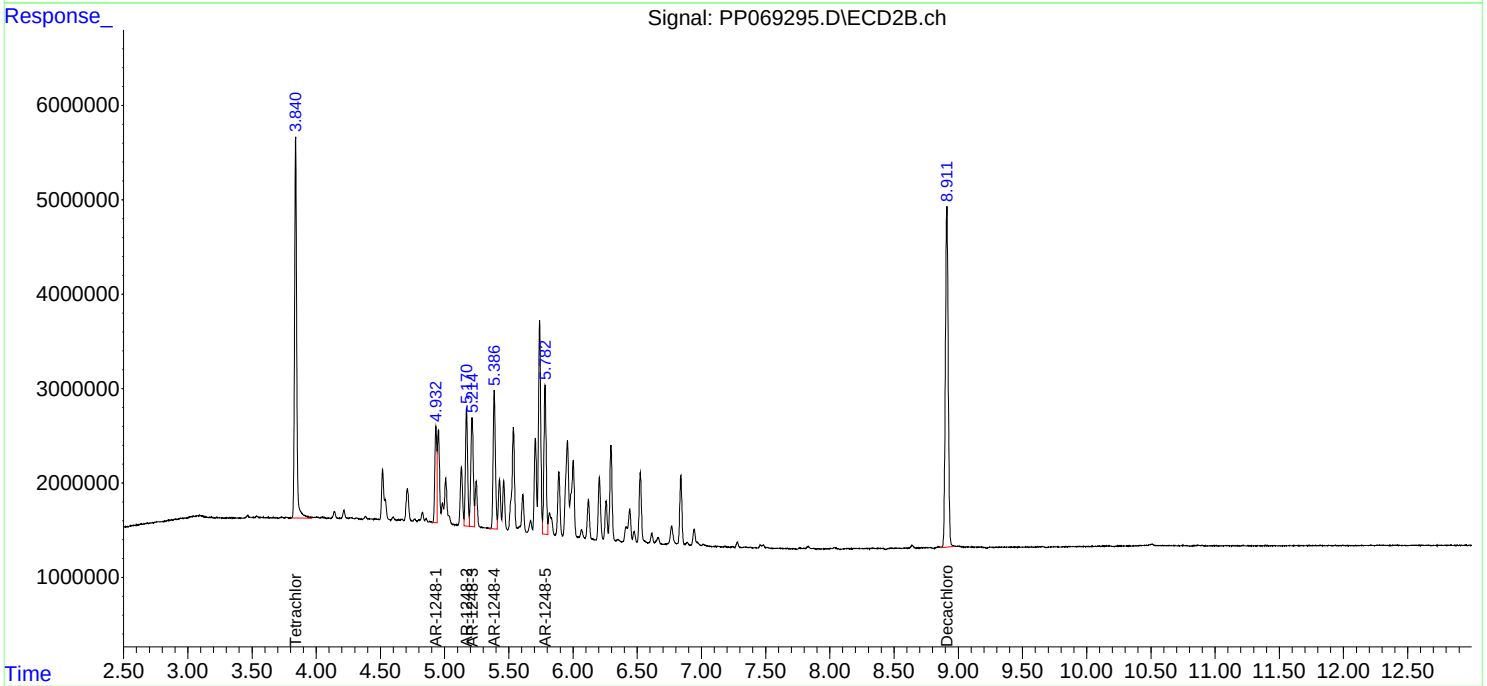
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 18:19
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 00:02:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 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\PP012825\
Data File : PP069296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 18:36
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 00:02:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 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...	4.535	3.841	75219849	47633402	52.547	53.368
2)	SA Decachlor...	10.276	8.911	56766283	55190324	51.941	49.344
	Target Compounds						
26)	L6 AR-1254-1	6.540	5.742	28707670	28691321	496.126	521.132
27)	L6 AR-1254-2	6.756	5.890	41367594	25067661	515.536	518.261
28)	L6 AR-1254-3	7.119	6.296	42558996	39270545	504.921	517.425
29)	L6 AR-1254-4	7.401	6.524	34204619	25829239	501.623	503.988
30)	L6 AR-1254-5	7.819	6.944	35322701	34643725	519.099	520.485

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

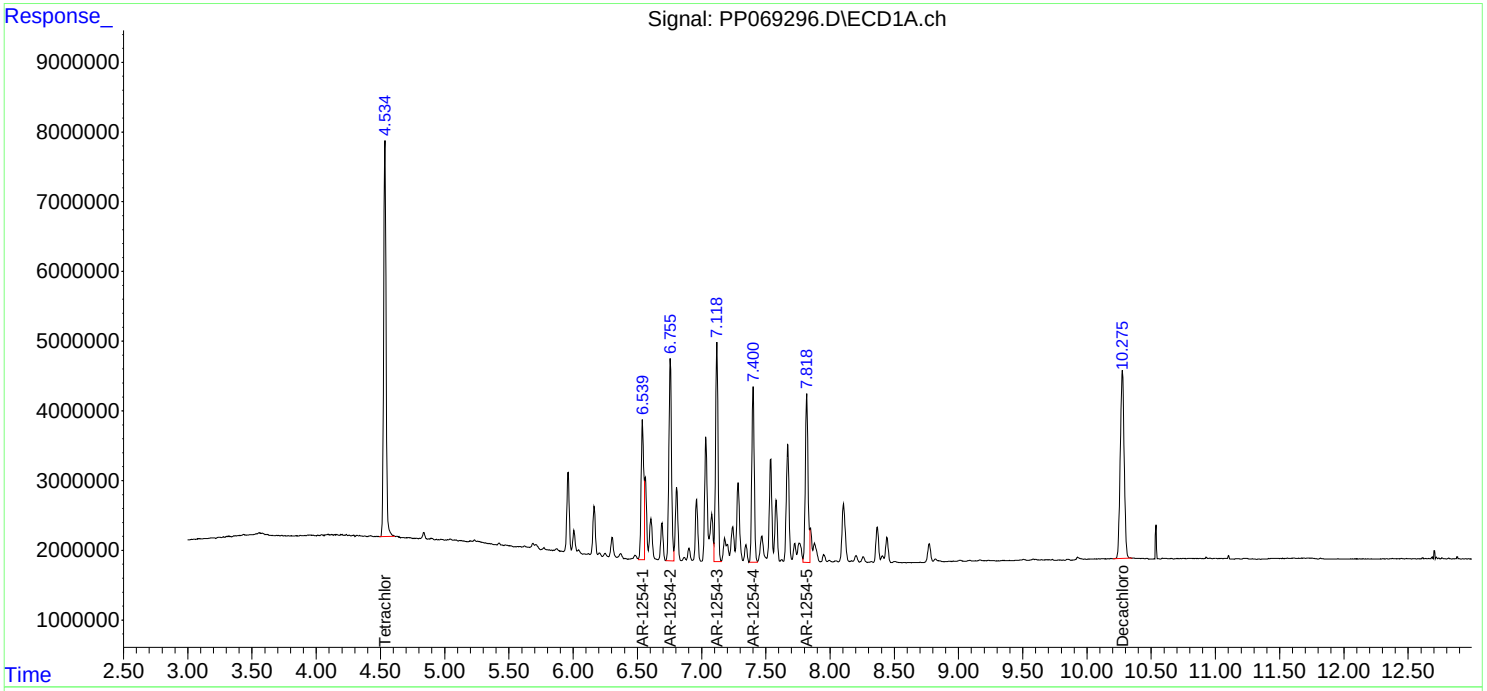
ICAL Form

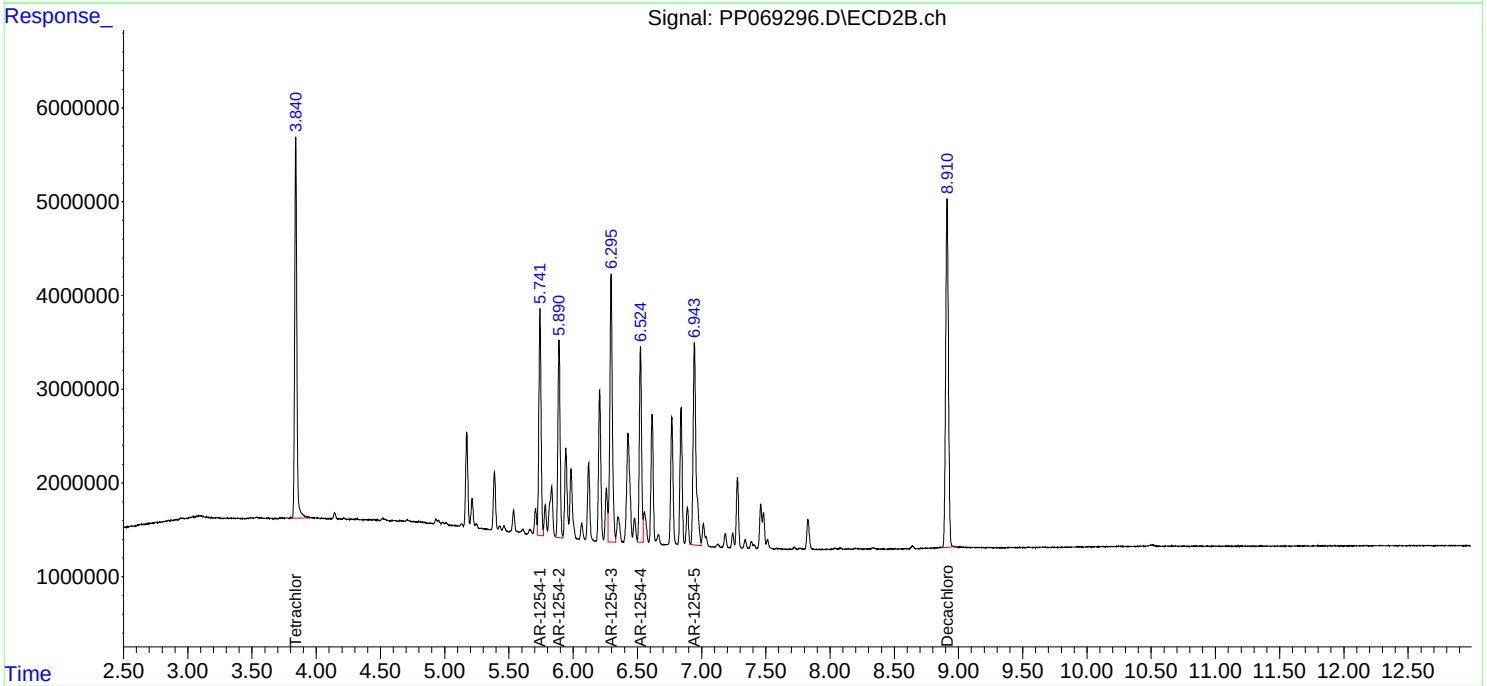
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 18:36
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 00:02:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 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\PP012825\
Data File : PP069297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 18:52
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 00:13:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:01 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...	4.538	3.841	77280071	49699162	50.272	50.526
2)	SA Decachlor...	10.280	8.912	95822270	95389498	49.885	49.598
	Target Compounds						
41)	L9 AR-1268-1	8.762	7.768	96955506	80683787	502.919	499.533
42)	L9 AR-1268-2	8.856	7.833	86693119	73752405	504.918	495.889
43)	L9 AR-1268-3	9.091	8.041	73577850	63724602	501.283	501.698
44)	L9 AR-1268-4	9.513	8.335	33018344	29034055	510.432	493.868
45)	L9 AR-1268-5	9.933	8.643	207.8E6	195.6E6	501.326	499.439

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

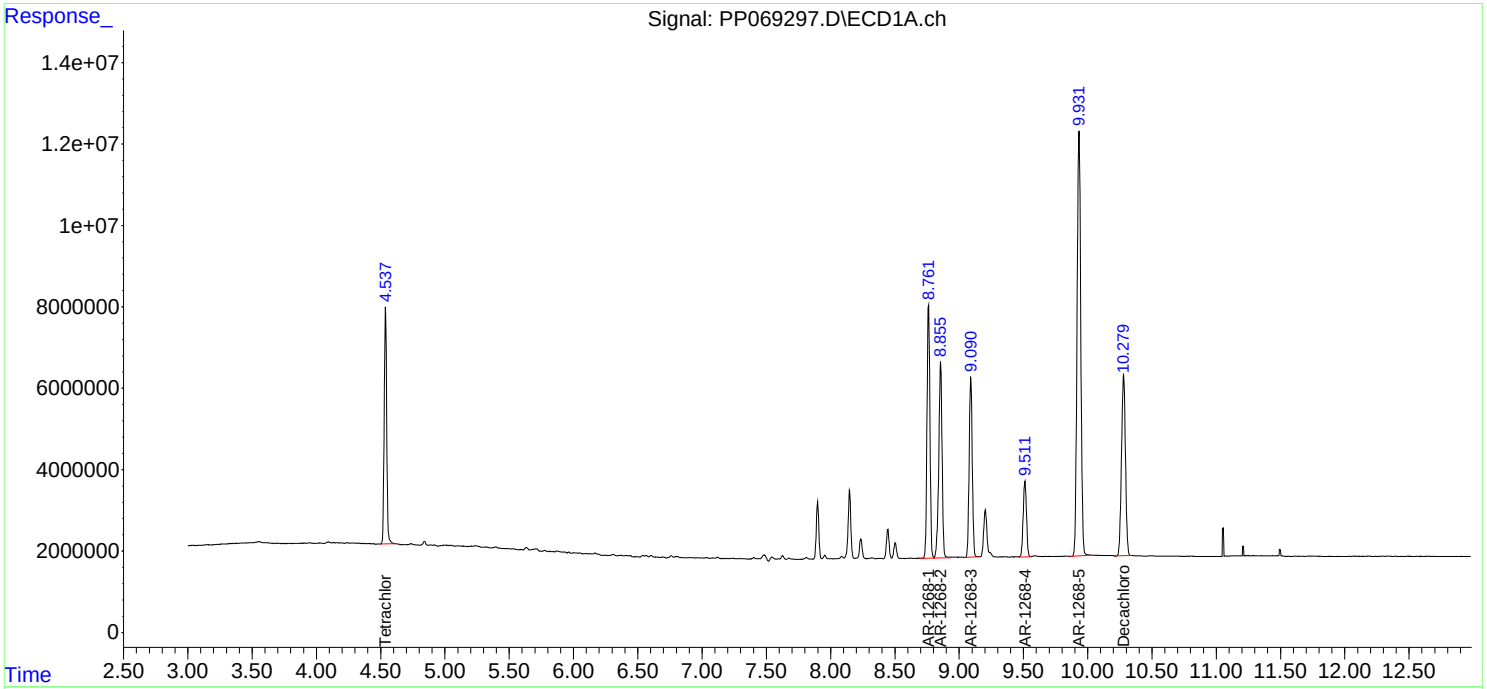
ICAL Form

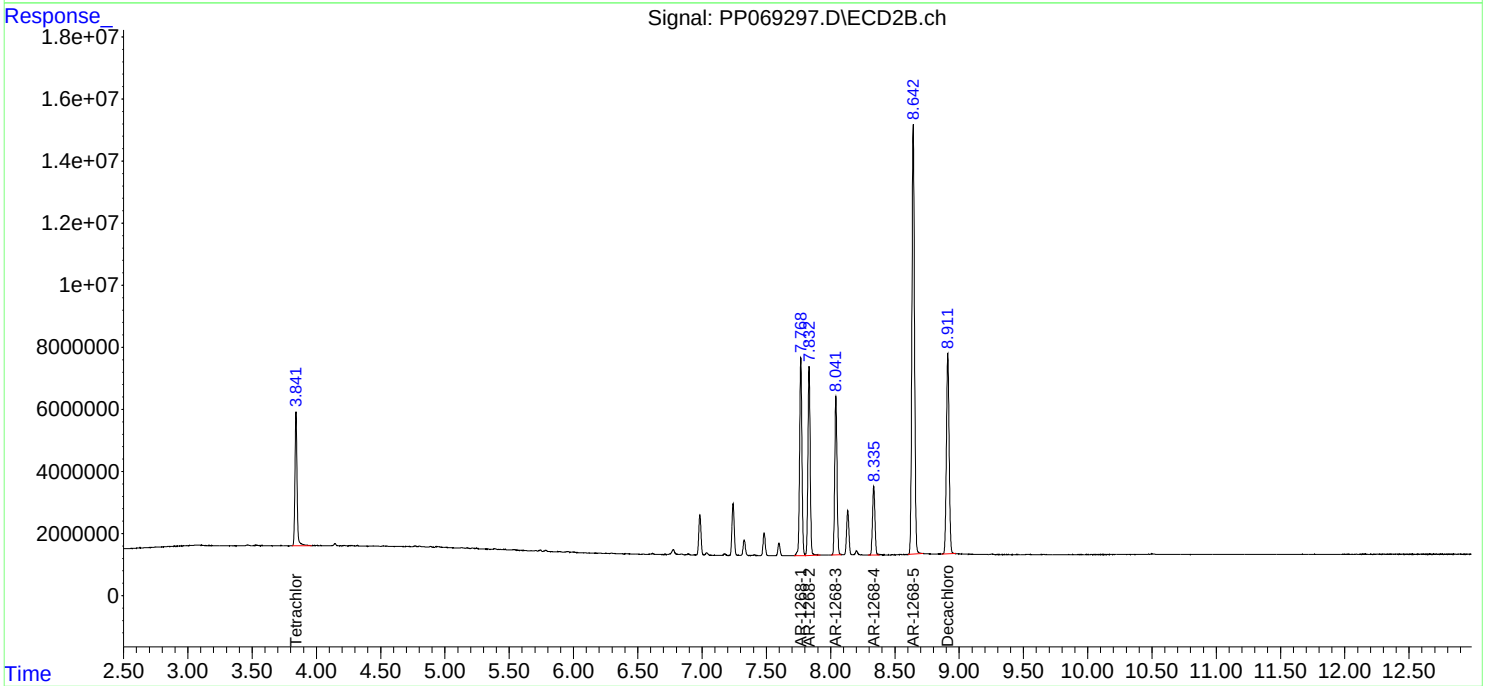
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 18:52
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP012825AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 00:13:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:01 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: **PP069808.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

Continuing Calib Date: 02/18/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 12:38 **Initial Calibration Time(s):** 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.68	5.69	5.59	5.79	0.01
Aroclor-1016-2	(2)	5.70	5.71	5.61	5.81	0.01
Aroclor-1016-3	(3)	5.76	5.78	5.68	5.88	0.02
Aroclor-1016-4	(4)	5.86	5.87	5.77	5.97	0.01
Aroclor-1016-5	(5)	6.15	6.17	6.07	6.27	0.02
Aroclor-1260-1	(1)	7.27	7.29	7.19	7.39	0.02
Aroclor-1260-2	(2)	7.53	7.54	7.44	7.64	0.01
Aroclor-1260-3	(3)	7.89	7.90	7.80	8.00	0.01
Aroclor-1260-4	(4)	8.11	8.13	8.03	8.23	0.02
Aroclor-1260-5	(5)	8.43	8.45	8.35	8.55	0.02
Tetrachloro-m-xylene		4.53	4.54	4.44	4.64	0.01
Decachlorobiphenyl		10.25	10.28	10.18	10.38	0.03

Raw Data: **PP069808.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

Continuing Calib Date: 02/18/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 12:38 **Initial Calibration Time(s):** 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.92	4.93	4.83	5.03	0.01
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.12	5.13	5.03	5.23	0.01
Aroclor-1016-4	(4)	5.16	5.17	5.07	5.27	0.01
Aroclor-1016-5	(5)	5.37	5.39	5.29	5.49	0.02
Aroclor-1260-1	(1)	6.41	6.43	6.33	6.53	0.02
Aroclor-1260-2	(2)	6.60	6.62	6.52	6.72	0.02
Aroclor-1260-3	(3)	6.75	6.77	6.67	6.87	0.02
Aroclor-1260-4	(4)	7.23	7.24	7.14	7.34	0.01
Aroclor-1260-5	(5)	7.47	7.48	7.38	7.58	0.01
Tetrachloro-m-xylene		3.83	3.84	3.74	3.94	0.01
Decachlorobiphenyl		8.89	8.91	8.81	9.01	0.02

Raw Data: **PP069808.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL01 **Date Analyzed:** 02/18/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069808.D **Time Analyzed:** 12:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.678	5.592	5.792	506.230	500.000	1.2
Aroclor-1016-2	5.701	5.614	5.814	491.720	500.000	-1.7
Aroclor-1016-3	5.763	5.676	5.876	478.610	500.000	-4.3
Aroclor-1016-4	5.861	5.774	5.974	478.750	500.000	-4.3
Aroclor-1016-5	6.152	6.067	6.267	495.050	500.000	-1.0
Aroclor-1260-1	7.274	7.187	7.387	485.390	500.000	-2.9
Aroclor-1260-2	7.527	7.441	7.641	464.790	500.000	-7.0
Aroclor-1260-3	7.885	7.800	8.000	479.020	500.000	-4.2
Aroclor-1260-4	8.110	8.025	8.225	459.410	500.000	-8.1
Aroclor-1260-5	8.430	8.347	8.547	472.280	500.000	-5.5
Decachlorobiphenyl	10.253	10.179	10.379	49.080	50.000	-1.8
Tetrachloro-m-xylene	4.525	4.438	4.638	50.950	50.000	1.9

Raw Data: **PP069808.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL01 **Date Analyzed:** 02/18/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069808.D **Time Analyzed:** 12:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.920	4.834	5.034	500.750	500.000	0.2
Aroclor-1016-2	4.939	4.853	5.053	514.360	500.000	2.9
Aroclor-1016-3	5.116	5.030	5.230	509.710	500.000	1.9
Aroclor-1016-4	5.158	5.072	5.272	504.520	500.000	0.9
Aroclor-1016-5	5.373	5.288	5.488	524.290	500.000	4.9
Aroclor-1260-1	6.412	6.326	6.526	526.270	500.000	5.3
Aroclor-1260-2	6.600	6.515	6.715	528.420	500.000	5.7
Aroclor-1260-3	6.754	6.670	6.870	468.810	500.000	-6.2
Aroclor-1260-4	7.227	7.142	7.342	518.410	500.000	3.7
Aroclor-1260-5	7.467	7.384	7.584	534.690	500.000	6.9
Decachlorobiphenyl	8.889	8.811	9.011	48.300	50.000	-3.4
Tetrachloro-m-xylene	3.829	3.740	3.940	51.520	50.000	3.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021825\
Data File : PP069808.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2025 12:38
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/19/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 18 13:09:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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...	4.525	3.829	72939377	45982213	50.954m	51.518m
2)	SA Decachlor...	10.253	8.889	53637333	54023607	49.078	48.301
	Target Compounds						
3)	L1 AR-1016-1	5.678	4.920	23455084	16332064	506.229m	500.753m
4)	L1 AR-1016-2	5.701	4.939	33376439	23125012	491.718	514.364m
5)	L1 AR-1016-3	5.763	5.116	20387362	12683706	478.615	509.714
6)	L1 AR-1016-4	5.861	5.158	16756356	10189336	478.747	504.516
7)	L1 AR-1016-5	6.152	5.373	16365618	14063543	495.050m	524.292
31)	L7 AR-1260-1	7.274	6.412	28364529	25381606	485.393	526.267
32)	L7 AR-1260-2	7.527	6.600	36166856	32394360	464.793	528.424
33)	L7 AR-1260-3	7.885	6.754	29948136	28202005	479.023	468.811m
34)	L7 AR-1260-4	8.110	7.227	30310105	24089363	459.406	518.411
35)	L7 AR-1260-5	8.430	7.467	61834288	59428299	472.285	534.691

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

Sample Results: **PP069808.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021825\
Data File : PP069808.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2025 12:38
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

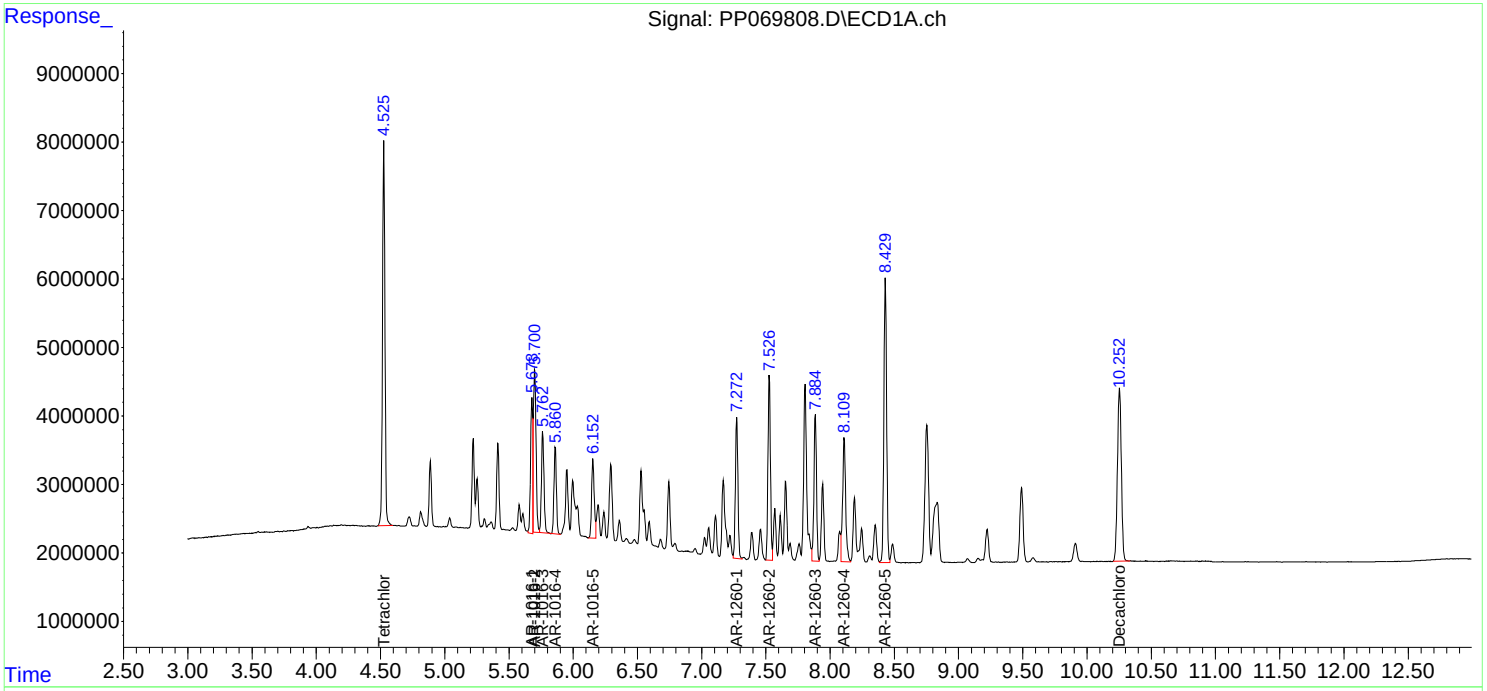
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

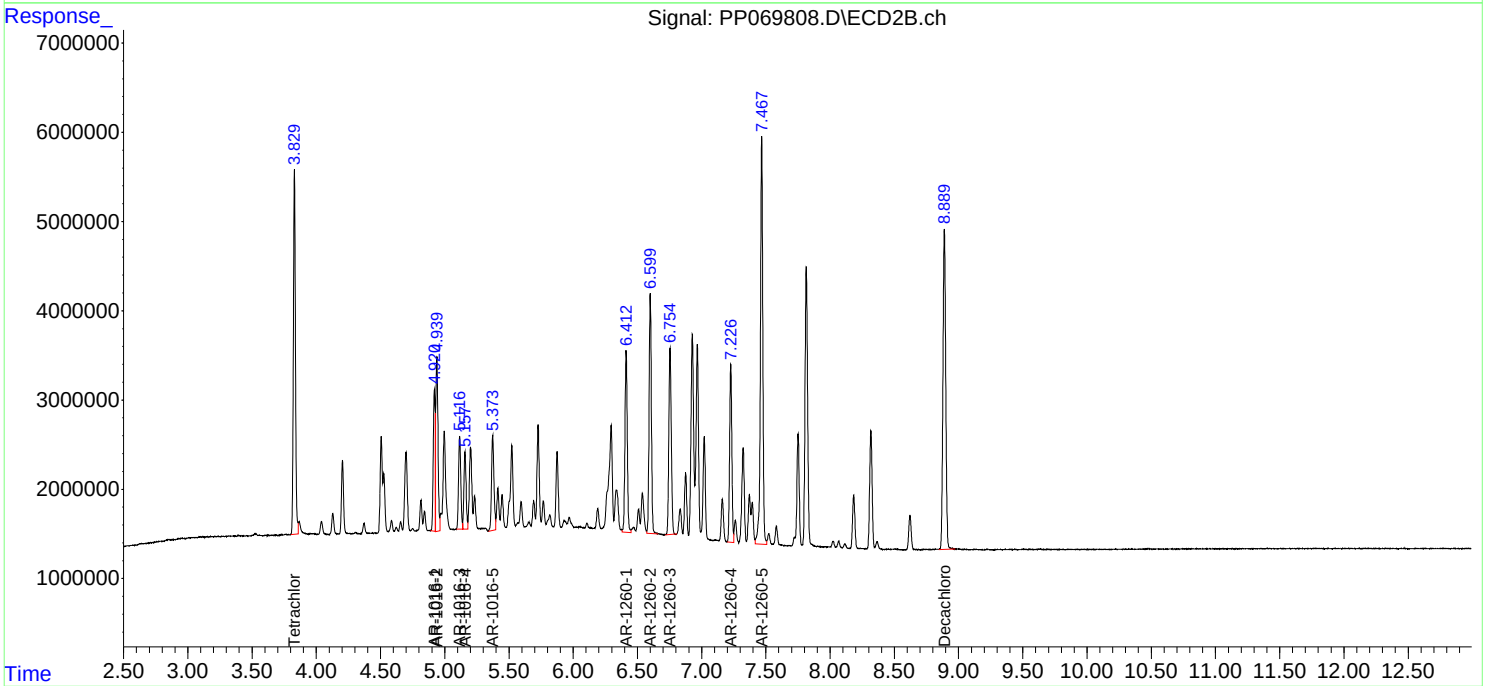
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/19/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 18 13:09:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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





Raw Data: **PP069821.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

Continuing Calib Date: 02/18/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 17:46 **Initial Calibration Time(s):** 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.67	5.69	5.59	5.79	0.02
Aroclor-1016-2	(2)	5.70	5.71	5.61	5.81	0.01
Aroclor-1016-3	(3)	5.76	5.78	5.68	5.88	0.02
Aroclor-1016-4	(4)	5.86	5.87	5.77	5.97	0.01
Aroclor-1016-5	(5)	6.15	6.17	6.07	6.27	0.02
Aroclor-1260-1	(1)	7.27	7.29	7.19	7.39	0.02
Aroclor-1260-2	(2)	7.52	7.54	7.44	7.64	0.02
Aroclor-1260-3	(3)	7.88	7.90	7.80	8.00	0.02
Aroclor-1260-4	(4)	8.11	8.13	8.03	8.23	0.03
Aroclor-1260-5	(5)	8.43	8.45	8.35	8.55	0.02
Tetrachloro-m-xylene		4.52	4.54	4.44	4.64	0.02
Decachlorobiphenyl		10.25	10.28	10.18	10.38	0.03

Raw Data: **PP069821.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

Continuing Calib Date: 02/18/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 17:46 **Initial Calibration Time(s):** 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.92	4.93	4.83	5.03	0.01
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.12	5.13	5.03	5.23	0.01
Aroclor-1016-4	(4)	5.16	5.17	5.07	5.27	0.01
Aroclor-1016-5	(5)	5.37	5.39	5.29	5.49	0.02
Aroclor-1260-1	(1)	6.41	6.43	6.33	6.53	0.02
Aroclor-1260-2	(2)	6.60	6.62	6.52	6.72	0.02
Aroclor-1260-3	(3)	6.75	6.77	6.67	6.87	0.02
Aroclor-1260-4	(4)	7.23	7.24	7.14	7.34	0.02
Aroclor-1260-5	(5)	7.47	7.48	7.38	7.58	0.01
Tetrachloro-m-xylene		3.83	3.84	3.74	3.94	0.01
Decachlorobiphenyl		8.89	8.91	8.81	9.01	0.02

Raw Data: **PP069821.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL02 **Date Analyzed:** 02/18/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069821.D **Time Analyzed:** 17:46

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.674	5.592	5.792	417.940	500.000	-16.4
Aroclor-1016-2	5.697	5.614	5.814	477.870	500.000	-4.4
Aroclor-1016-3	5.759	5.676	5.876	442.420	500.000	-11.5
Aroclor-1016-4	5.857	5.774	5.974	463.590	500.000	-7.3
Aroclor-1016-5	6.149	6.067	6.267	429.810	500.000	-14.0
Aroclor-1260-1	7.270	7.187	7.387	452.050	500.000	-9.6
Aroclor-1260-2	7.523	7.441	7.641	447.940	500.000	-10.4
Aroclor-1260-3	7.880	7.800	8.000	447.400	500.000	-10.5
Aroclor-1260-4	8.105	8.025	8.225	427.460	500.000	-14.5
Aroclor-1260-5	8.425	8.347	8.547	439.700	500.000	-12.1
Decachlorobiphenyl	10.250	10.179	10.379	45.550	50.000	-8.9
Tetrachloro-m-xylene	4.522	4.438	4.638	50.390	50.000	0.8

Raw Data: **PP069821.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL02 **Date Analyzed:** 02/18/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069821.D **Time Analyzed:** 17:46

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.919	4.834	5.034	468.230	500.000	-6.4
Aroclor-1016-2	4.939	4.853	5.053	479.740	500.000	-4.1
Aroclor-1016-3	5.116	5.030	5.230	498.020	500.000	-0.4
Aroclor-1016-4	5.158	5.072	5.272	487.710	500.000	-2.5
Aroclor-1016-5	5.373	5.288	5.488	520.430	500.000	4.1
Aroclor-1260-1	6.411	6.326	6.526	515.760	500.000	3.2
Aroclor-1260-2	6.599	6.515	6.715	520.500	500.000	4.1
Aroclor-1260-3	6.753	6.670	6.870	456.660	500.000	-8.7
Aroclor-1260-4	7.225	7.142	7.342	488.370	500.000	-2.3
Aroclor-1260-5	7.466	7.384	7.584	510.670	500.000	2.1
Decachlorobiphenyl	8.887	8.811	9.011	46.270	50.000	-7.5
Tetrachloro-m-xylene	3.829	3.740	3.940	50.990	50.000	2.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021825\
Data File : PP069821.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2025 17:46
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/19/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 04:29:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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...	4.522	3.829	72138861	45512855	50.395	50.993m
2) SA	Decachlor...	10.250	8.887	49784839	51748667	45.553	46.267
	Target Compounds						
3) L1	AR-1016-1	5.674	4.919	19364609	15271173	417.944m	468.225m
4) L1	AR-1016-2	5.697	4.939	32436263	21568570	477.867	479.745
5) L1	AR-1016-3	5.759	5.116	18845474	12392685	442.417	498.018
6) L1	AR-1016-4	5.857	5.158	16225830	9849828	463.589	487.705
7) L1	AR-1016-5	6.149	5.373	14208877	13960048	429.810m	520.433
31) L7	AR-1260-1	7.270	6.411	26416405	24874643	452.055	515.756
32) L7	AR-1260-2	7.523	6.599	34855132	31908500	447.935	520.499
33) L7	AR-1260-3	7.880	6.753	27971340	27470840	447.404m	456.657m
34) L7	AR-1260-4	8.105	7.225	28202578	22693272	427.462m	488.366
35) L7	AR-1260-5	8.425	7.466	57567546	56758874	439.696m	510.674

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

Sample Results: **PP069821.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021825\
Data File : PP069821.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2025 17:46
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

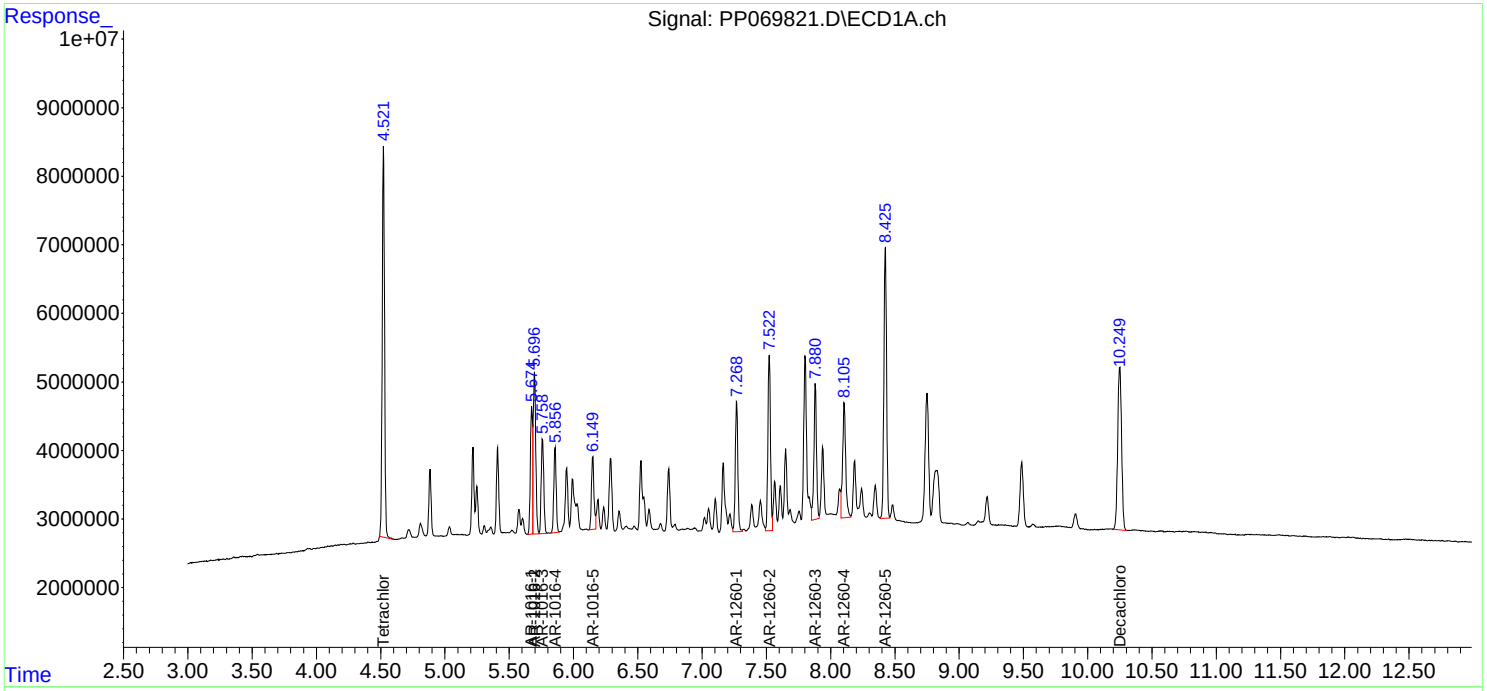
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

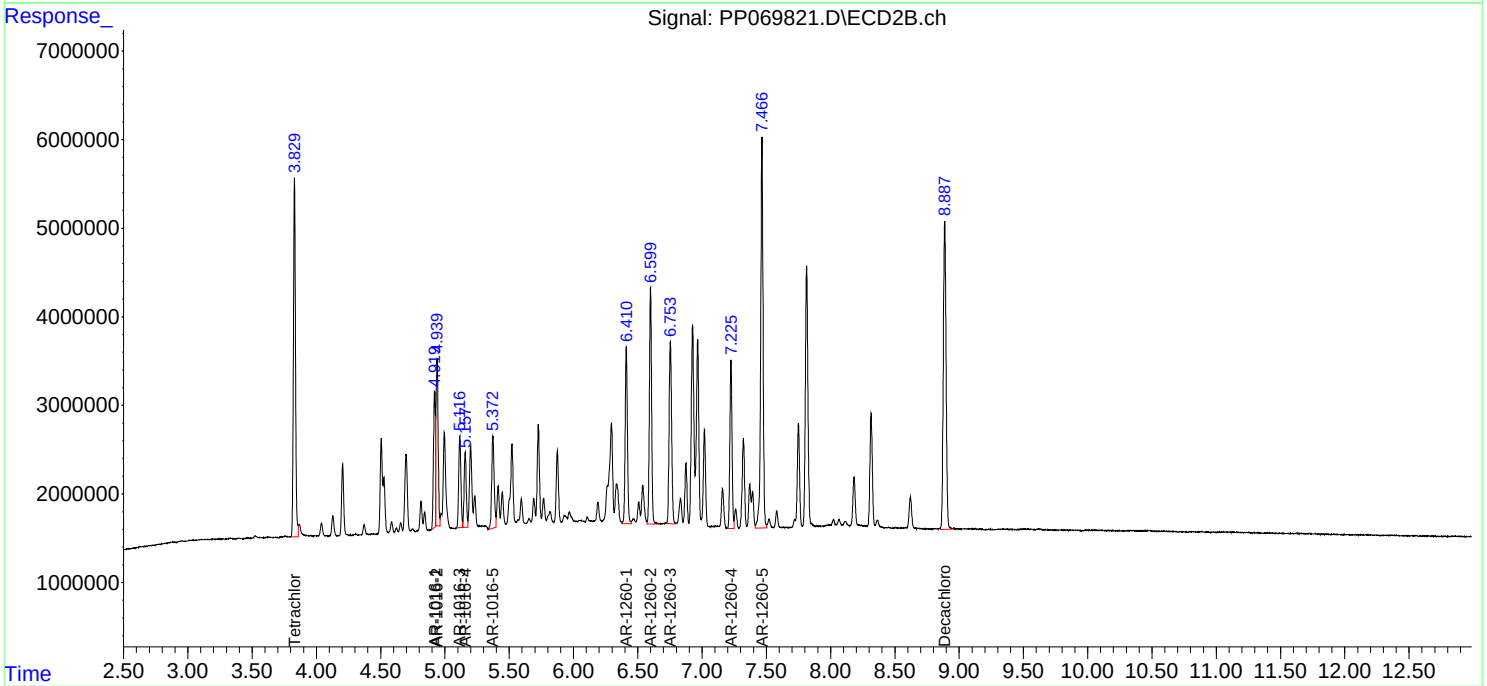
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/19/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 04:29:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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





Raw Data: **PP069827.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 08:26 **Initial Calibration Time(s):** 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.68	5.69	5.59	5.79	0.01
Aroclor-1016-2	(2)	5.70	5.71	5.61	5.81	0.01
Aroclor-1016-3	(3)	5.77	5.78	5.68	5.88	0.02
Aroclor-1016-4	(4)	5.86	5.87	5.77	5.97	0.01
Aroclor-1016-5	(5)	6.16	6.17	6.07	6.27	0.01
Aroclor-1260-1	(1)	7.28	7.29	7.19	7.39	0.01
Aroclor-1260-2	(2)	7.53	7.54	7.44	7.64	0.01
Aroclor-1260-3	(3)	7.89	7.90	7.80	8.00	0.01
Aroclor-1260-4	(4)	8.11	8.13	8.03	8.23	0.02
Aroclor-1260-5	(5)	8.43	8.45	8.35	8.55	0.02
Tetrachloro-m-xylene		4.53	4.54	4.44	4.64	0.01
Decachlorobiphenyl		10.26	10.28	10.18	10.38	0.02

Raw Data: **PP069827.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 08:26 **Initial Calibration Time(s):** 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.92	4.93	4.83	5.03	0.01
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.12	5.13	5.03	5.23	0.01
Aroclor-1016-4	(4)	5.16	5.17	5.07	5.27	0.01
Aroclor-1016-5	(5)	5.38	5.39	5.29	5.49	0.01
Aroclor-1260-1	(1)	6.41	6.43	6.33	6.53	0.02
Aroclor-1260-2	(2)	6.60	6.62	6.52	6.72	0.02
Aroclor-1260-3	(3)	6.76	6.77	6.67	6.87	0.01
Aroclor-1260-4	(4)	7.23	7.24	7.14	7.34	0.01
Aroclor-1260-5	(5)	7.47	7.48	7.38	7.58	0.01
Tetrachloro-m-xylene		3.83	3.84	3.74	3.94	0.01
Decachlorobiphenyl		8.89	8.91	8.81	9.01	0.02

Raw Data: **PP069827.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL03 **Date Analyzed:** 02/19/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069827.D **Time Analyzed:** 08:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.681	5.592	5.792	529.780	500.000	6.0
Aroclor-1016-2	5.703	5.614	5.814	528.780	500.000	5.8
Aroclor-1016-3	5.765	5.676	5.876	511.600	500.000	2.3
Aroclor-1016-4	5.863	5.774	5.974	525.620	500.000	5.1
Aroclor-1016-5	6.156	6.067	6.267	502.060	500.000	0.4
Aroclor-1260-1	7.275	7.187	7.387	512.000	500.000	2.4
Aroclor-1260-2	7.528	7.441	7.641	498.480	500.000	-0.3
Aroclor-1260-3	7.887	7.800	8.000	518.570	500.000	3.7
Aroclor-1260-4	8.111	8.025	8.225	497.790	500.000	-0.4
Aroclor-1260-5	8.432	8.347	8.547	504.810	500.000	1.0
Decachlorobiphenyl	10.256	10.179	10.379	52.810	50.000	5.6
Tetrachloro-m-xylene	4.528	4.438	4.638	55.800	50.000	11.6

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL03 **Date Analyzed:** 02/19/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069827.D **Time Analyzed:** 08:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.922	4.834	5.034	509.540	500.000	1.9
Aroclor-1016-2	4.941	4.853	5.053	517.540	500.000	3.5
Aroclor-1016-3	5.119	5.030	5.230	536.100	500.000	7.2
Aroclor-1016-4	5.160	5.072	5.272	511.480	500.000	2.3
Aroclor-1016-5	5.375	5.288	5.488	531.380	500.000	6.3
Aroclor-1260-1	6.414	6.326	6.526	528.360	500.000	5.7
Aroclor-1260-2	6.601	6.515	6.715	544.530	500.000	8.9
Aroclor-1260-3	6.755	6.670	6.870	482.070	500.000	-3.6
Aroclor-1260-4	7.228	7.142	7.342	558.500	500.000	11.7
Aroclor-1260-5	7.468	7.384	7.584	567.610	500.000	13.5
Decachlorobiphenyl	8.890	8.811	9.011	51.320	50.000	2.6
Tetrachloro-m-xylene	3.832	3.740	3.940	53.680	50.000	7.4

Sample Results: **PP069827.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069827.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 08:26
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 11:56:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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...	4.528	3.832	79878399	47912020	55.801	53.681m
2) SA	Decachlor...	10.256	8.890	57721003	57398677	52.815	51.318
	Target Compounds						
3) L1	AR-1016-1	5.681	4.922	24546289	16618686	529.780	509.541m
4) L1	AR-1016-2	5.703	4.941	35892177	23267864	528.781	517.542
5) L1	AR-1016-3	5.765	5.119	21792585	13340233	511.604	536.097
6) L1	AR-1016-4	5.863	5.160	18396820	10329989	525.616	511.480
7) L1	AR-1016-5	6.156	5.375	16597299	14253728	502.058	531.382m
31) L7	AR-1260-1	7.275	6.414	29919445	25482579	512.001	528.361
32) L7	AR-1260-2	7.528	6.601	38788502	33381984	498.484	544.535
33) L7	AR-1260-3	7.887	6.755	32420694	28999648	518.571	482.071m
34) L7	AR-1260-4	8.111	7.228	32842365	25952369	497.787	558.503
35) L7	AR-1260-5	8.432	7.468	66092349	63086888	504.807	567.608

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069827.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 08:26
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

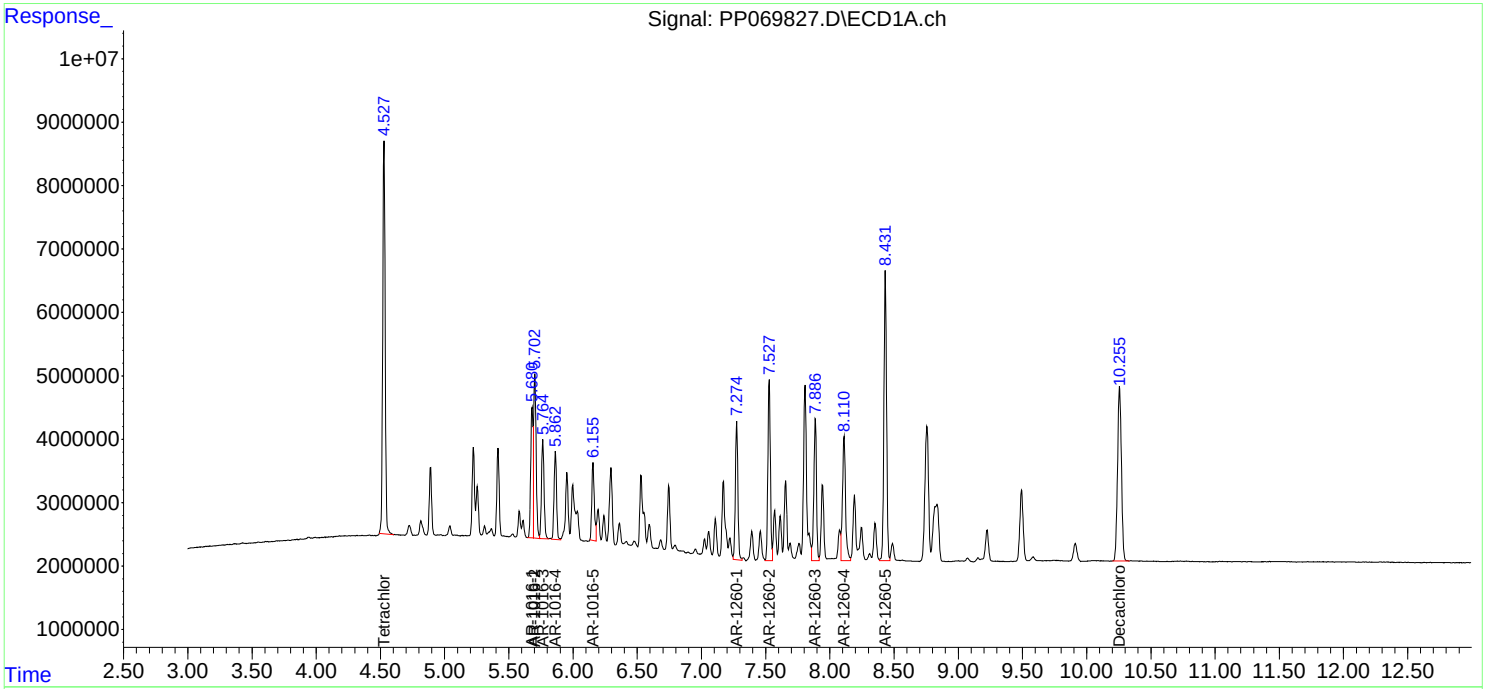
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

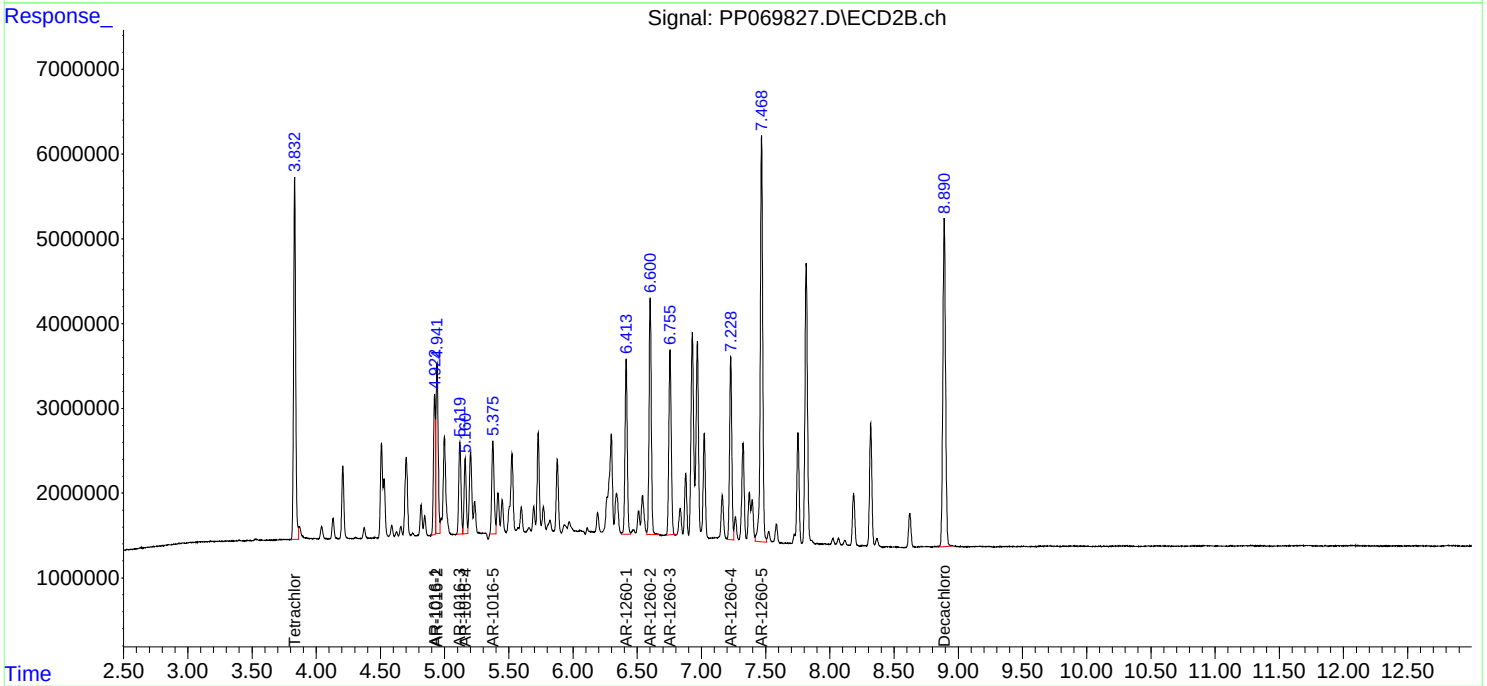
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 11:56:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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





Raw Data: **PP069842.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 15:10 **Initial Calibration Time(s):** 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.68	5.69	5.59	5.79	0.01
Aroclor-1016-2	(2)	5.70	5.71	5.61	5.81	0.01
Aroclor-1016-3	(3)	5.76	5.78	5.68	5.88	0.02
Aroclor-1016-4	(4)	5.86	5.87	5.77	5.97	0.01
Aroclor-1016-5	(5)	6.15	6.17	6.07	6.27	0.02
Aroclor-1260-1	(1)	7.27	7.29	7.19	7.39	0.02
Aroclor-1260-2	(2)	7.53	7.54	7.44	7.64	0.01
Aroclor-1260-3	(3)	7.88	7.90	7.80	8.00	0.02
Aroclor-1260-4	(4)	8.11	8.13	8.03	8.23	0.02
Aroclor-1260-5	(5)	8.43	8.45	8.35	8.55	0.02
Tetrachloro-m-xylene		4.52	4.54	4.44	4.64	0.02
Decachlorobiphenyl		10.25	10.28	10.18	10.38	0.03

Raw Data: **PP069842.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/28/2025 01/28/2025

Continuing Calib Time: 15:10 **Initial Calibration Time(s):** 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.92	4.93	4.83	5.03	0.01
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.12	5.13	5.03	5.23	0.01
Aroclor-1016-4	(4)	5.16	5.17	5.07	5.27	0.01
Aroclor-1016-5	(5)	5.37	5.39	5.29	5.49	0.02
Aroclor-1260-1	(1)	6.41	6.43	6.33	6.53	0.02
Aroclor-1260-2	(2)	6.60	6.62	6.52	6.72	0.02
Aroclor-1260-3	(3)	6.75	6.77	6.67	6.87	0.02
Aroclor-1260-4	(4)	7.23	7.24	7.14	7.34	0.01
Aroclor-1260-5	(5)	7.47	7.48	7.38	7.58	0.01
Tetrachloro-m-xylene		3.83	3.84	3.74	3.94	0.01
Decachlorobiphenyl		8.89	8.91	8.81	9.01	0.02

Raw Data: **PP069842.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL04 **Date Analyzed:** 02/19/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069842.D **Time Analyzed:** 15:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.677	5.592	5.792	576.500	500.000	15.3
Aroclor-1016-2	5.700	5.614	5.814	540.700	500.000	8.1
Aroclor-1016-3	5.762	5.676	5.876	522.670	500.000	4.5
Aroclor-1016-4	5.859	5.774	5.974	529.490	500.000	5.9
Aroclor-1016-5	6.153	6.067	6.267	491.810	500.000	-1.6
Aroclor-1260-1	7.272	7.187	7.387	547.050	500.000	9.4
Aroclor-1260-2	7.526	7.441	7.641	507.620	500.000	1.5
Aroclor-1260-3	7.884	7.800	8.000	516.930	500.000	3.4
Aroclor-1260-4	8.109	8.025	8.225	487.880	500.000	-2.4
Aroclor-1260-5	8.429	8.347	8.547	509.920	500.000	2.0
Decachlorobiphenyl	10.251	10.179	10.379	53.100	50.000	6.2
Tetrachloro-m-xylene	4.524	4.438	4.638	55.760	50.000	11.5

Raw Data: **PP069842.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1378 **SAS No.:** Q1378 **SDG NO.:** Q1378

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2025 01/28/2025

Client Sample No.: CCAL04 **Date Analyzed:** 02/19/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP069842.D **Time Analyzed:** 15:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.920	4.834	5.034	487.250	500.000	-2.6
Aroclor-1016-2	4.939	4.853	5.053	506.240	500.000	1.2
Aroclor-1016-3	5.117	5.030	5.230	520.360	500.000	4.1
Aroclor-1016-4	5.159	5.072	5.272	488.050	500.000	-2.4
Aroclor-1016-5	5.373	5.288	5.488	511.960	500.000	2.4
Aroclor-1260-1	6.412	6.326	6.526	557.250	500.000	11.5
Aroclor-1260-2	6.600	6.515	6.715	564.770	500.000	13.0
Aroclor-1260-3	6.754	6.670	6.870	488.800	500.000	-2.2
Aroclor-1260-4	7.226	7.142	7.342	543.010	500.000	8.6
Aroclor-1260-5	7.467	7.384	7.584	550.080	500.000	10.0
Decachlorobiphenyl	8.888	8.811	9.011	50.800	50.000	1.6
Tetrachloro-m-xylene	3.830	3.740	3.940	52.910	50.000	5.8

Sample Results: **PP069842.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069842.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 15:10
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 15:19:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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...	4.524	3.830	79812517	47220012	55.755m	52.905m
2)	SA Decachlor...	10.251	8.888	58033861	56817301	53.101	50.798
	Target Compounds						
3)	L1 AR-1016-1	5.677	4.920	26711062	15891739	576.502m	487.252m
4)	L1 AR-1016-2	5.700	4.939	36701276	22759895	540.701	506.243m
5)	L1 AR-1016-3	5.762	5.117	22263986	12948707	522.670	520.363
6)	L1 AR-1016-4	5.859	5.159	18532319	9856720	529.488	488.047
7)	L1 AR-1016-5	6.153	5.373	16258546	13732881	491.811	511.964m
31)	L7 AR-1260-1	7.272	6.412	31967755	26876118	547.053	557.254
32)	L7 AR-1260-2	7.526	6.600	39499596	34622711	507.623	564.774
33)	L7 AR-1260-3	7.884	6.754	32317868	29404327	516.927	488.798m
34)	L7 AR-1260-4	8.109	7.226	32188972	25232314	487.884	543.007
35)	L7 AR-1260-5	8.429	7.467	66762055	61138168	509.922	550.075

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069842.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 15:10
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

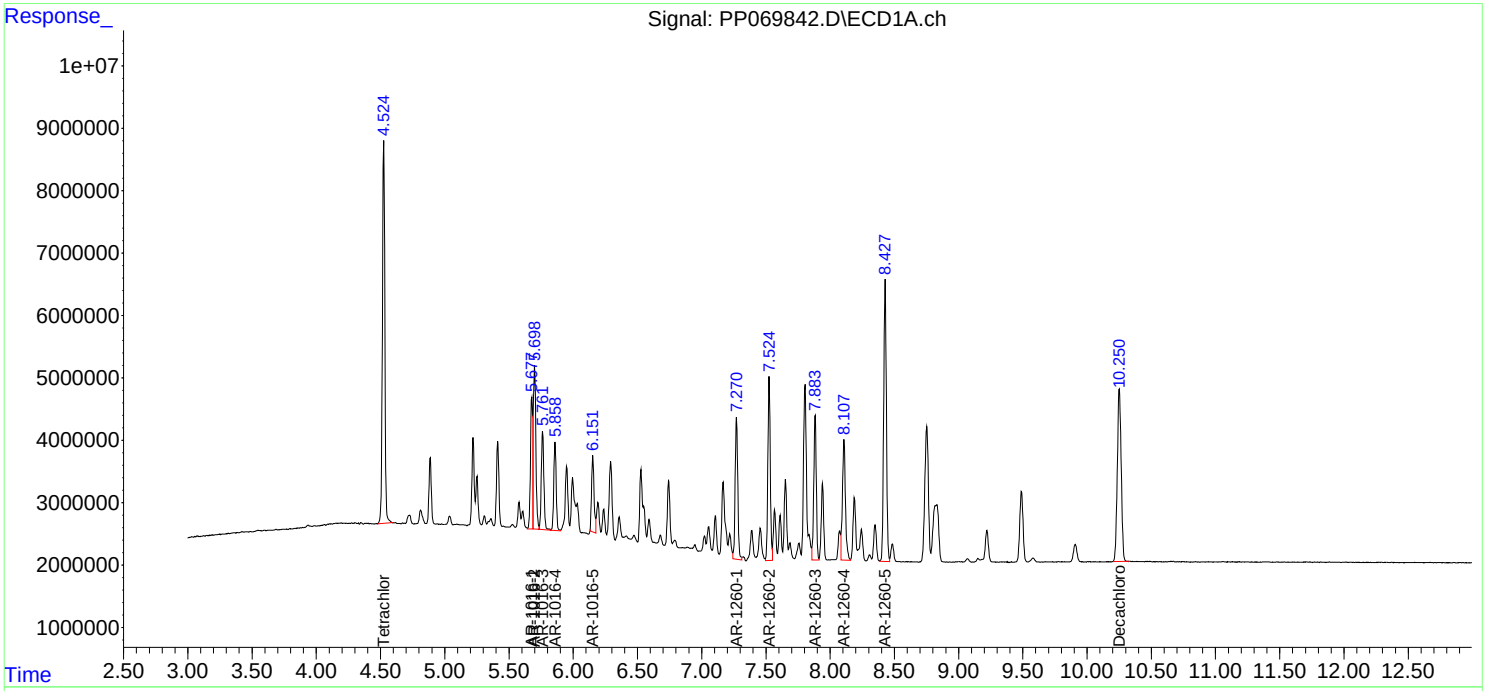
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

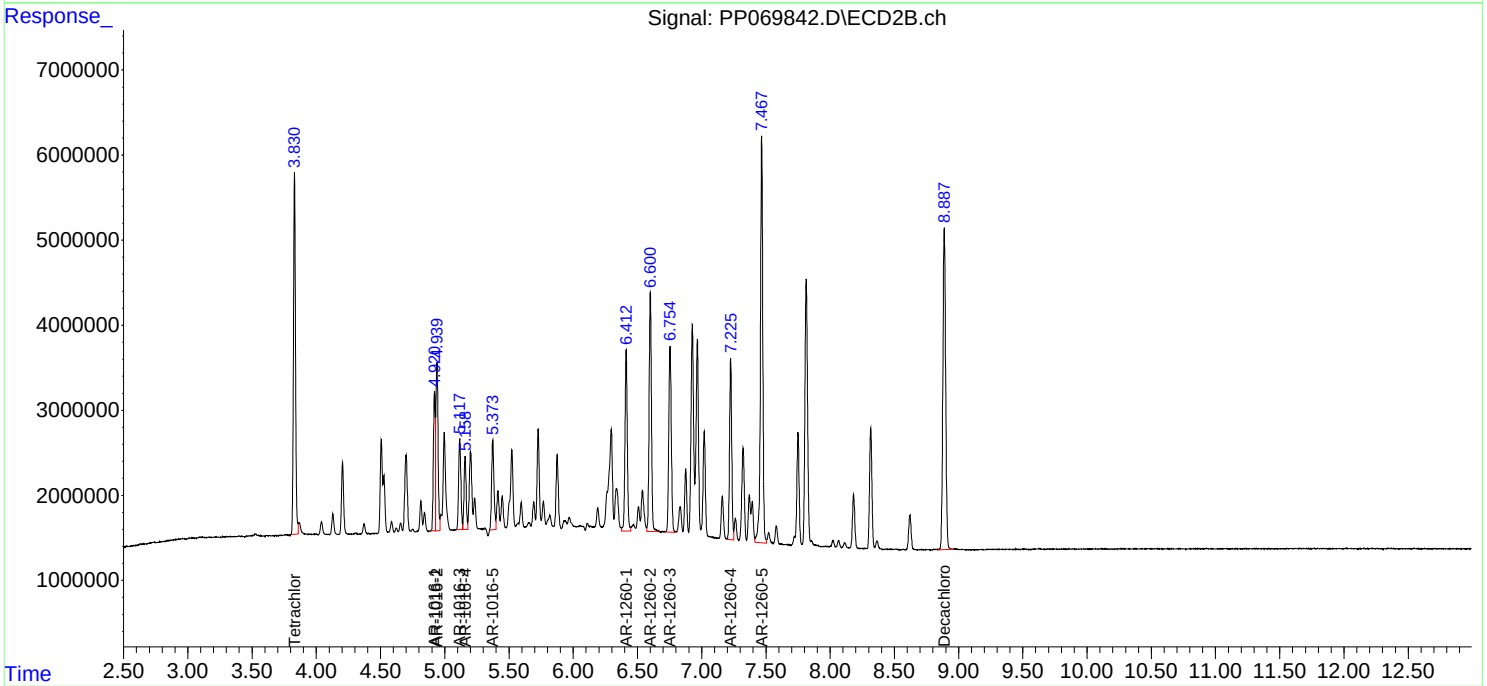
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 15:19:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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





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

Analytical Sequence

Client: ATC Group Services LLC **SDG No.:** Q1378

Project: P.S. 29 Queens - 2022SCA425 **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 01/28/2025 01/28/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	01/28/2025	09:21	PP069264.D	10.28	4.54
AR1660ICC1000	AR1660ICC1000	01/28/2025	09:37	PP069265.D	10.28	4.54
AR1660ICC750	AR1660ICC750	01/28/2025	09:54	PP069266.D	10.28	4.54
AR1660ICC500	AR1660ICC500	01/28/2025	10:10	PP069267.D	10.28	4.54
AR1660ICC250	AR1660ICC250	01/28/2025	10:26	PP069268.D	10.28	4.53
AR1660ICC050	AR1660ICC050	01/28/2025	11:15	PP069269.D	10.28	4.54
AR1221ICC500	AR1221ICC500	01/28/2025	11:32	PP069270.D	10.28	4.54
AR1232ICC500	AR1232ICC500	01/28/2025	11:48	PP069271.D	10.28	4.53
AR1242ICC1000	AR1242ICC1000	01/28/2025	12:04	PP069272.D	10.28	4.54
AR1242ICC750	AR1242ICC750	01/28/2025	12:21	PP069273.D	10.28	4.54
AR1242ICC500	AR1242ICC500	01/28/2025	12:37	PP069274.D	10.28	4.54
AR1242ICC250	AR1242ICC250	01/28/2025	12:53	PP069275.D	10.28	4.54
AR1242ICC050	AR1242ICC050	01/28/2025	13:09	PP069276.D	10.28	4.54
AR1248ICC1000	AR1248ICC1000	01/28/2025	13:26	PP069277.D	10.28	4.54
AR1248ICC750	AR1248ICC750	01/28/2025	13:42	PP069278.D	10.28	4.54
AR1248ICC500	AR1248ICC500	01/28/2025	13:58	PP069279.D	10.28	4.54
AR1248ICC250	AR1248ICC250	01/28/2025	14:15	PP069280.D	10.28	4.54
AR1248ICC050	AR1248ICC050	01/28/2025	14:31	PP069281.D	10.28	4.54
AR1254ICC1000	AR1254ICC1000	01/28/2025	14:47	PP069282.D	10.28	4.54
AR1254ICC750	AR1254ICC750	01/28/2025	15:04	PP069283.D	10.28	4.54
AR1254ICC500	AR1254ICC500	01/28/2025	15:20	PP069284.D	10.28	4.53
AR1254ICC250	AR1254ICC250	01/28/2025	15:36	PP069285.D	10.28	4.54
AR1254ICC050	AR1254ICC050	01/28/2025	15:53	PP069286.D	10.28	4.54
AR1262ICC500	AR1262ICC500	01/28/2025	16:09	PP069287.D	10.28	4.54
AR1268ICC1000	AR1268ICC1000	01/28/2025	16:25	PP069288.D	10.28	4.54
AR1268ICC750	AR1268ICC750	01/28/2025	16:42	PP069289.D	10.28	4.54
AR1268ICC500	AR1268ICC500	01/28/2025	16:58	PP069290.D	10.28	4.54
AR1268ICC250	AR1268ICC250	01/28/2025	17:14	PP069291.D	10.29	4.55
AR1268ICC050	AR1268ICC050	01/28/2025	17:30	PP069292.D	10.28	4.54
AR1660CCC500	AR1660CCC500	02/18/2025	12:38	PP069808.D	10.25	4.53
I.BLK	I.BLK	02/18/2025	13:43	PP069812.D	10.26	4.53
PB166750BS	PB166750BS	02/18/2025	14:15	PP069814.D	10.26	4.53
1A-1B-1C 1985-STONE-BAND	Q1378-01	02/18/2025	14:32	PP069815.D	10.26	4.53
2A-2B-2C 1928 ROOF-1	Q1378-02	02/18/2025	14:48	PP069816.D	10.25	4.53
AR1660CCC500	AR1660CCC500	02/18/2025	17:46	PP069821.D	10.25	4.52
I.BLK	I.BLK	02/18/2025	18:51	PP069825.D	10.25	4.53
AR1660CCC500	AR1660CCC500	02/19/2025	08:26	PP069827.D	10.26	4.53
I.BLK	I.BLK	02/19/2025	10:11	PP069831.D	10.25	4.52
PB166750BL	PB166750BL	02/19/2025	10:44	PP069833.D	10.25	4.52
3A-3B-3C 1985 BUILD	Q1378-03	02/19/2025	11:33	PP069836.D	10.26	4.52
AR1660CCC500	AR1660CCC500	02/19/2025	15:10	PP069842.D	10.25	4.52
I.BLK	I.BLK	02/19/2025	16:31	PP069846.D	10.25	4.52

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

Analytical Sequence

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Fax : 908 789 8922

Analytical Sequence

Client: ATC Group Services LLC **SDG No.:** Q1378

Project: P.S. 29 Queens - 2022SCA425 **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 01/28/2025 01/28/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	01/28/2025	09:21	PP069264.D	8.91	3.84
AR1660ICC1000	AR1660ICC1000	01/28/2025	09:37	PP069265.D	8.91	3.84
AR1660ICC750	AR1660ICC750	01/28/2025	09:54	PP069266.D	8.91	3.84
AR1660ICC500	AR1660ICC500	01/28/2025	10:10	PP069267.D	8.91	3.84
AR1660ICC250	AR1660ICC250	01/28/2025	10:26	PP069268.D	8.91	3.84
AR1660ICC050	AR1660ICC050	01/28/2025	11:15	PP069269.D	8.91	3.84
AR1221ICC500	AR1221ICC500	01/28/2025	11:32	PP069270.D	8.91	3.84
AR1232ICC500	AR1232ICC500	01/28/2025	11:48	PP069271.D	8.91	3.84
AR1242ICC1000	AR1242ICC1000	01/28/2025	12:04	PP069272.D	8.91	3.84
AR1242ICC750	AR1242ICC750	01/28/2025	12:21	PP069273.D	8.91	3.84
AR1242ICC500	AR1242ICC500	01/28/2025	12:37	PP069274.D	8.91	3.84
AR1242ICC250	AR1242ICC250	01/28/2025	12:53	PP069275.D	8.91	3.84
AR1242ICC050	AR1242ICC050	01/28/2025	13:09	PP069276.D	8.91	3.84
AR1248ICC1000	AR1248ICC1000	01/28/2025	13:26	PP069277.D	8.91	3.84
AR1248ICC750	AR1248ICC750	01/28/2025	13:42	PP069278.D	8.91	3.84
AR1248ICC500	AR1248ICC500	01/28/2025	13:58	PP069279.D	8.91	3.84
AR1248ICC250	AR1248ICC250	01/28/2025	14:15	PP069280.D	8.91	3.84
AR1248ICC050	AR1248ICC050	01/28/2025	14:31	PP069281.D	8.91	3.84
AR1254ICC1000	AR1254ICC1000	01/28/2025	14:47	PP069282.D	8.91	3.84
AR1254ICC750	AR1254ICC750	01/28/2025	15:04	PP069283.D	8.91	3.84
AR1254ICC500	AR1254ICC500	01/28/2025	15:20	PP069284.D	8.91	3.84
AR1254ICC250	AR1254ICC250	01/28/2025	15:36	PP069285.D	8.91	3.84
AR1254ICC050	AR1254ICC050	01/28/2025	15:53	PP069286.D	8.91	3.84
AR1262ICC500	AR1262ICC500	01/28/2025	16:09	PP069287.D	8.91	3.84
AR1268ICC1000	AR1268ICC1000	01/28/2025	16:25	PP069288.D	8.91	3.84
AR1268ICC750	AR1268ICC750	01/28/2025	16:42	PP069289.D	8.91	3.84
AR1268ICC500	AR1268ICC500	01/28/2025	16:58	PP069290.D	8.91	3.84
AR1268ICC250	AR1268ICC250	01/28/2025	17:14	PP069291.D	8.91	3.84
AR1268ICC050	AR1268ICC050	01/28/2025	17:30	PP069292.D	8.91	3.84
AR1660CCC500	AR1660CCC500	02/18/2025	12:38	PP069808.D	8.89	3.83
I.BLK	I.BLK	02/18/2025	13:43	PP069812.D	8.89	3.83
PB166750BS	PB166750BS	02/18/2025	14:15	PP069814.D	8.89	3.83
1A-1B-1C 1985-STONE-BAND	Q1378-01	02/18/2025	14:32	PP069815.D	8.89	3.83
2A-2B-2C 1928 ROOF-1	Q1378-02	02/18/2025	14:48	PP069816.D	8.89	3.83
AR1660CCC500	AR1660CCC500	02/18/2025	17:46	PP069821.D	8.89	3.83
I.BLK	I.BLK	02/18/2025	18:51	PP069825.D	8.89	3.83
AR1660CCC500	AR1660CCC500	02/19/2025	08:26	PP069827.D	8.89	3.83
I.BLK	I.BLK	02/19/2025	10:11	PP069831.D	8.89	3.83
PB166750BL	PB166750BL	02/19/2025	10:44	PP069833.D	8.89	3.83
3A-3B-3C 1985 BUILD	Q1378-03	02/19/2025	11:33	PP069836.D	8.88	3.83
AR1660CCC500	AR1660CCC500	02/19/2025	15:10	PP069842.D	8.89	3.83
I.BLK	I.BLK	02/19/2025	16:31	PP069846.D	8.89	3.83

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Fax : 908 789 8922

Analytical Sequence

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB166750BS

Contract: ATCE02

Lab Code: CHEM Case No.: Q1378 SAS No.: Q1378 SDG NO.: Q1378

Lab Sample ID: PB166750BS Date(s) Analyzed: 02/18/2025 02/18/2025

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 PP069814.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.678	5.628	5.728	158		
	2	5.701	5.651	5.751	151		
	3	5.764	5.714	5.814	149		
COLUMN 1	4	5.861	5.811	5.911	152		
	5	6.153	6.103	6.203	140	150	
	1	4.92	4.87	4.97	137		
	2	4.94	4.89	4.99	144		
	3	5.117	5.067	5.167	149		
	4	5.159	5.109	5.209	146		
COLUMN 2	5	5.375	5.325	5.425	140	143	4.78
Aroclor-1260	1	7.273	7.223	7.323	151		
	2	7.527	7.477	7.577	145		
	3	7.885	7.835	7.935	126		
COLUMN 1	4	8.11	8.06	8.16	129		
	5	8.431	8.381	8.481	128	136	
	1	6.412	6.362	6.462	160		
	2	6.601	6.551	6.651	158		
	3	6.754	6.704	6.804	142		
	4	7.228	7.178	7.278	133		
COLUMN 2	5	7.468	7.418	7.518	144	147	7.77

QC SAMPLE DATA

Raw Data: **PP069833.D**

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

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	P.S. 29 Queens - 2022SCA425	Date Received:	
Client Sample ID:	PB166750BL	SDG No.:	Q1378
Lab Sample ID:	PB166750BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069833.D	1	02/18/25 08:08	02/19/25 10:44	PB166750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.0	ug/kg
Total PCBs	Total PCBs	7.90	U	7.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.6		32 - 144	123%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.6		32 - 175	118%	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: **PP069833.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069833.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 10:44
Operator : YP\AJ
Sample : PB166750BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB166750BL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 12:02:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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...	4.524	3.829	35173388	21642982	24.571	24.249m
2)	SA Decachlor...	10.249	8.886	25764057	25222450	23.574	22.551
	Target Compounds						

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

Sample Results: **PP069833.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069833.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 10:44
Operator : YP\AJ
Sample : PB166750BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

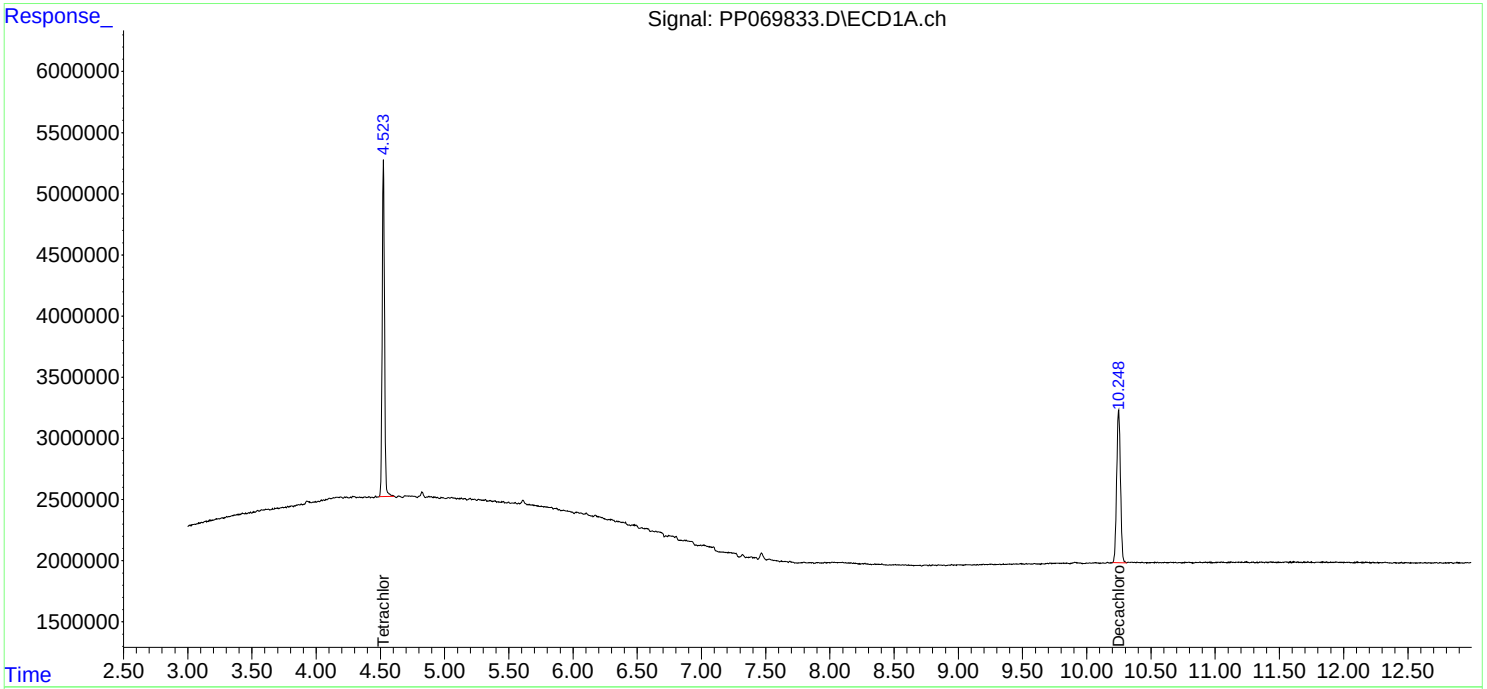
Instrument :
ECD_P
ClientSampleId :
PB166750BL

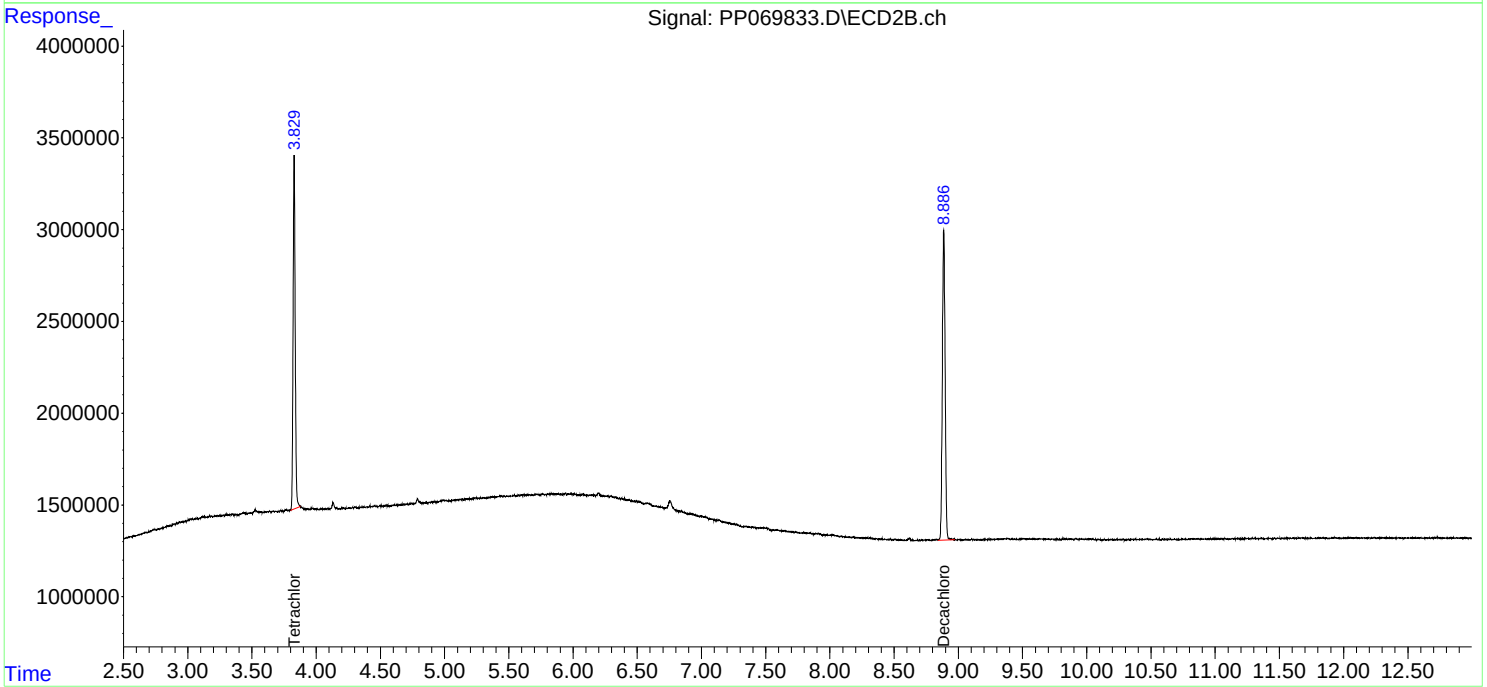
Manual Integrations APPROVED

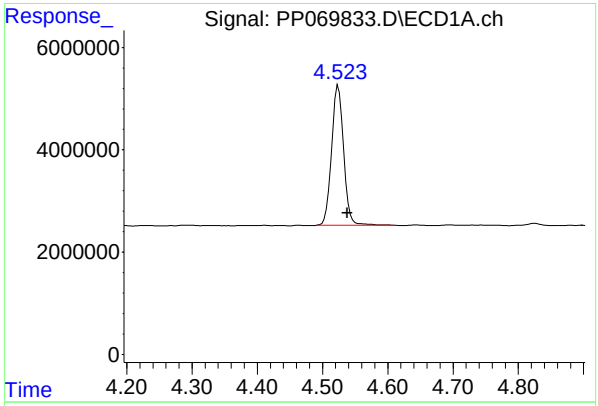
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 12:02:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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







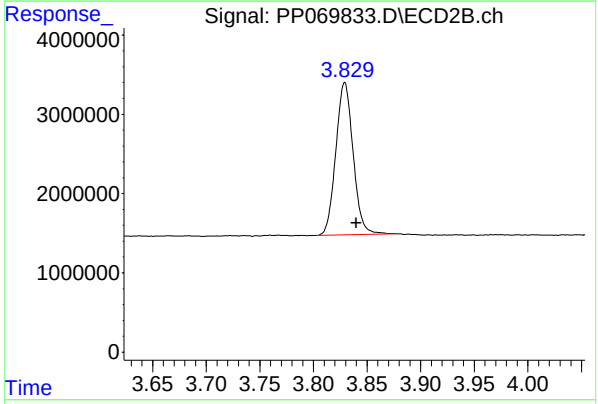
#1 Tetrachloro-m-xylene

R.T.: 4.524 min
Delta R.T.: -0.014 mi
Response: 35173388
Conc: 24.57 ng/m

Instrument :
ECD_P
ClientSampleId :
PB166750BL

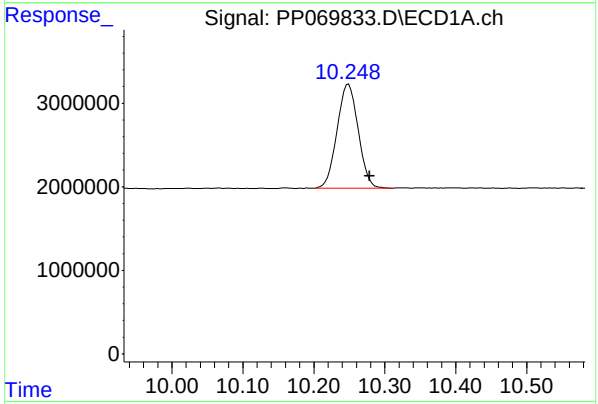
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



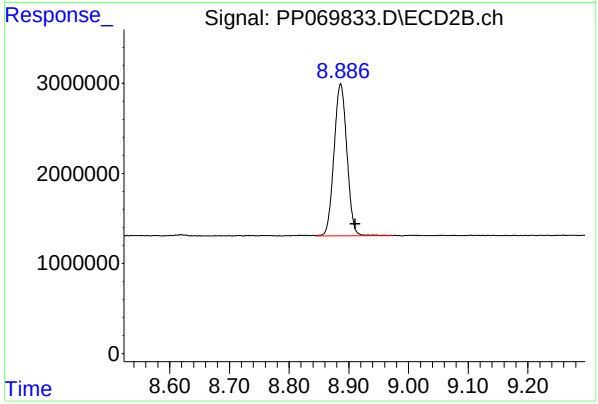
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 21642982
Conc: 24.25 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.249 min
Delta R.T.: -0.030 min
Response: 25764057
Conc: 23.57 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.886 min
Delta R.T.: -0.025 min
Response: 25222450
Conc: 22.55 ng/ml

Raw Data: **PP069264.D**

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

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	01/28/25
Project:	P.S. 29 Queens - 2022SCA425	Date Received:	01/28/25
Client Sample ID:	PIBLK-PP069264.D	SDG No.:	Q1378
Lab Sample ID:	I.BLK-PP069264.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069264.D	1		01/28/25	PP012825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	25.7		60 - 140	128%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.4		60 - 140	127%	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: **PP069264.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069264.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 09:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:56:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 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...	4.539	3.842	36765163	23177515	25.683	25.968
2)	SA Decachlor...	10.282	8.913	27772759	28447720	25.412	25.434
	Target Compounds						

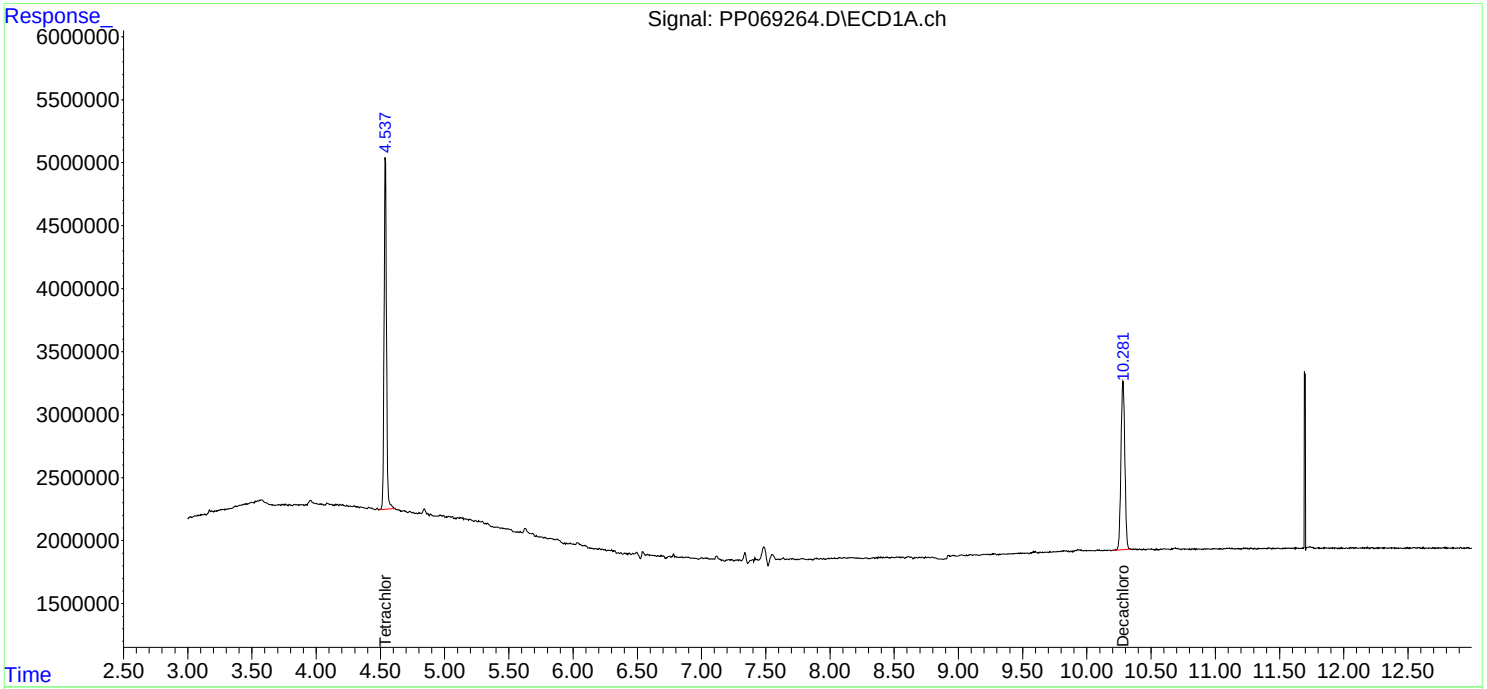
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

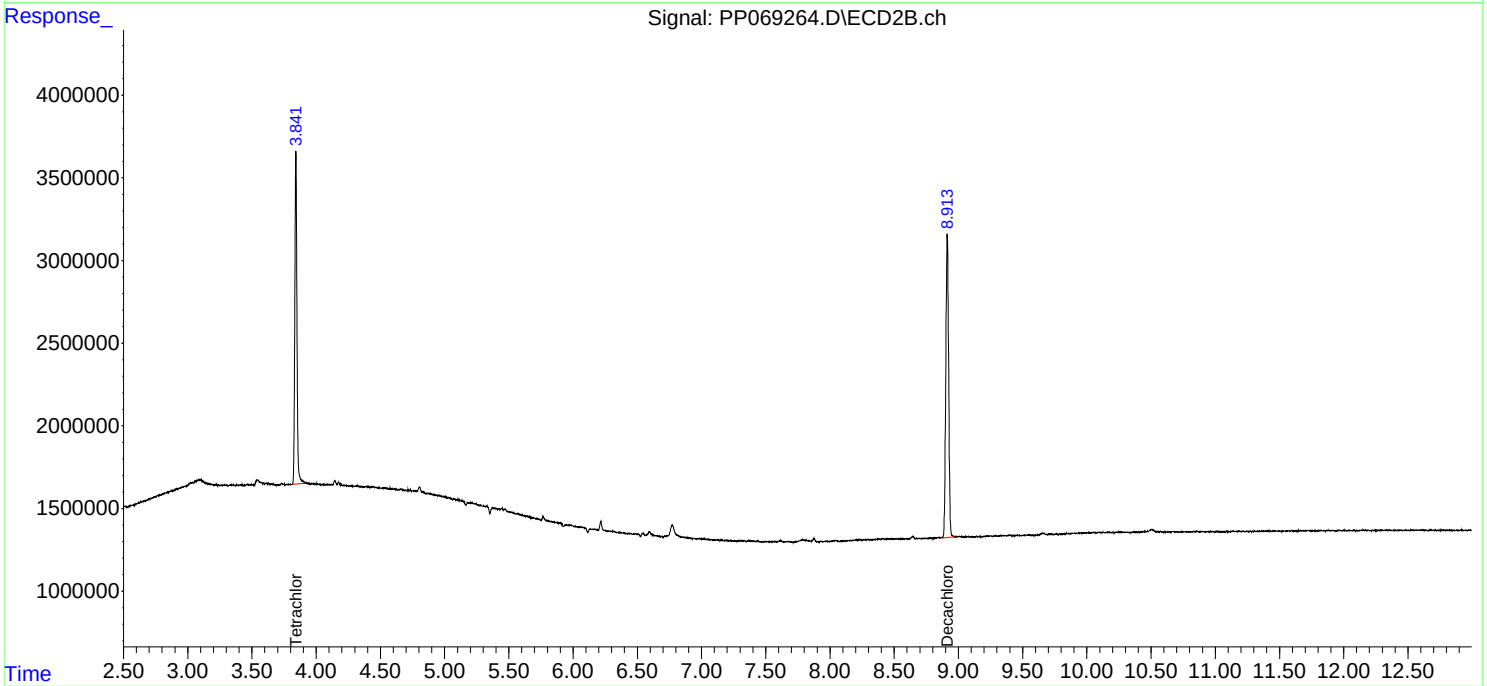
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP012825\
Data File : PP069264.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jan 2025 09:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

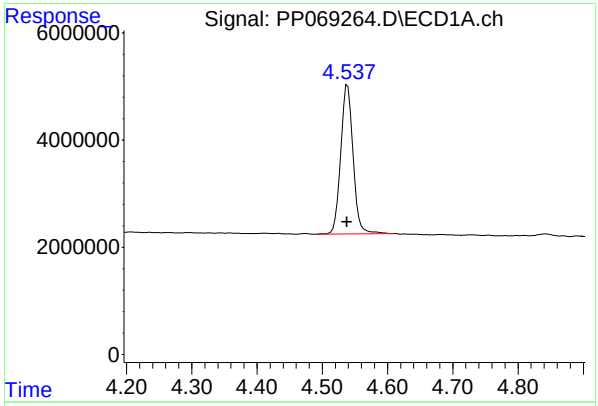
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 17:56:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jan 28 17:55:36 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



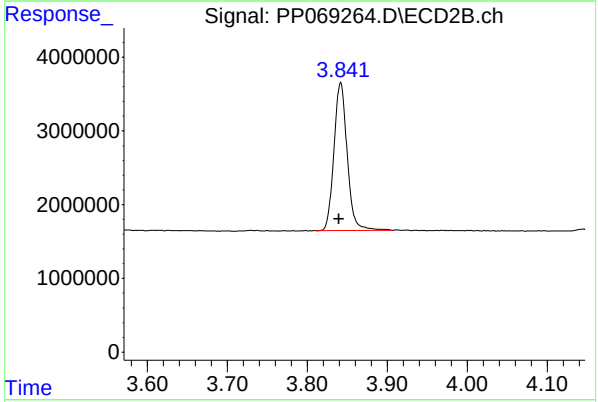




#1 Tetrachloro-m-xylene

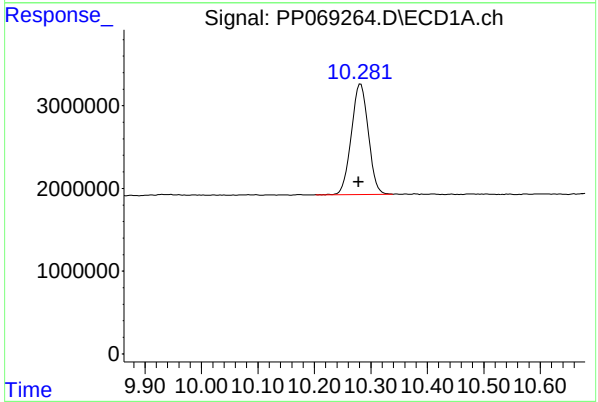
R.T.: 4.539 min
Delta R.T.: 0.000 min
Response: 36765163
Conc: 25.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



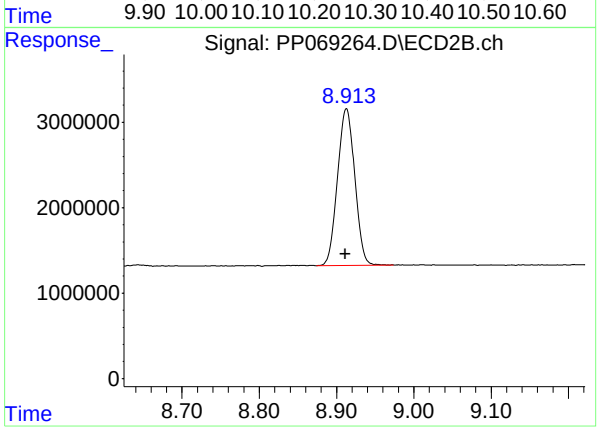
#1 Tetrachloro-m-xylene

R.T.: 3.842 min
Delta R.T.: 0.002 min
Response: 23177515
Conc: 25.97 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.282 min
Delta R.T.: 0.004 min
Response: 27772759
Conc: 25.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.913 min
Delta R.T.: 0.002 min
Response: 28447720
Conc: 25.43 ng/ml

Raw Data: **PP069812.D**

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

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/18/25
Project:	P.S. 29 Queens - 2022SCA425	Date Received:	02/18/25
Client Sample ID:	PIBLK-PP069812.D	SDG No.:	Q1378
Lab Sample ID:	I.BLK-PP069812.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069812.D	1		02/18/25	PP021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.8		60 - 140	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.0		60 - 140	105%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PP069812.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021825\
Data File : PP069812.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2025 13:43
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/19/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 18 13:53:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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...	4.526	3.830	31228308	19600133	21.815	21.960m
2)	SA Decachlor...	10.256	8.891	23219354	23534388	21.246	21.041
	Target Compounds						

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

Sample Results: **PP069812.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021825\
Data File : PP069812.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2025 13:43
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

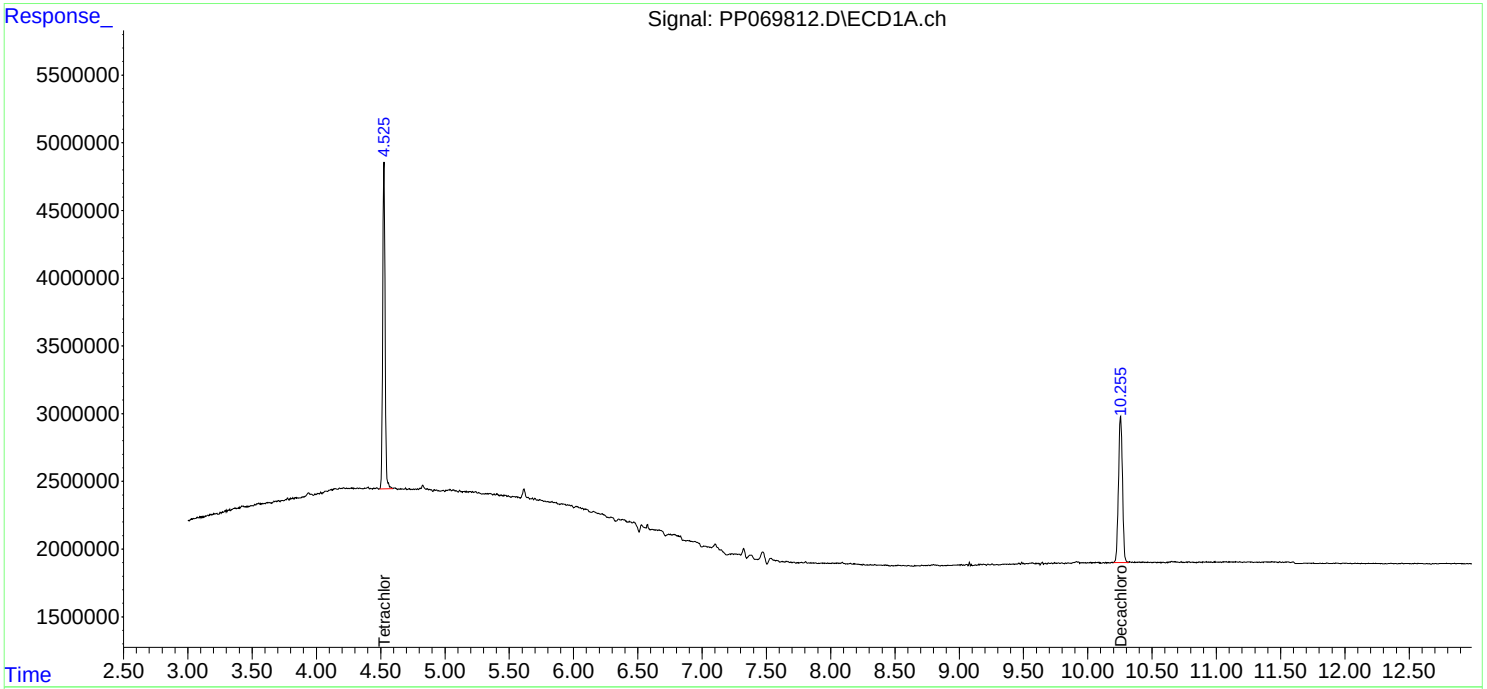
Instrument :
ECD_P
ClientSampleId :
I.BLK

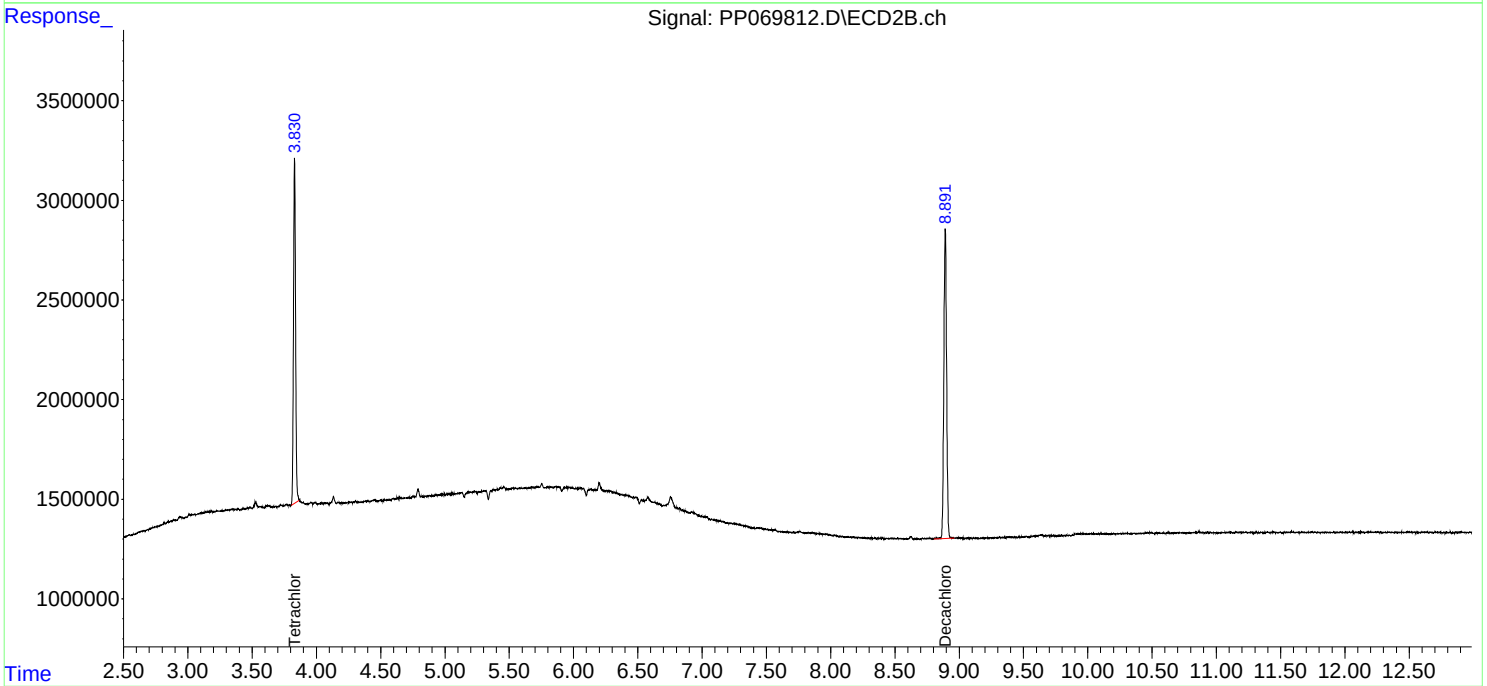
Manual Integrations APPROVED

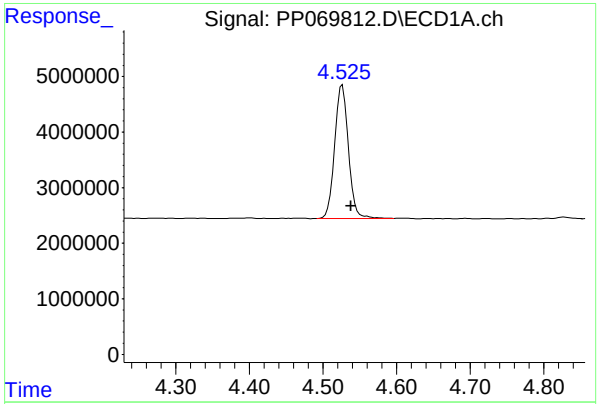
Reviewed By :Yogesh Patel 02/19/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 18 13:53:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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







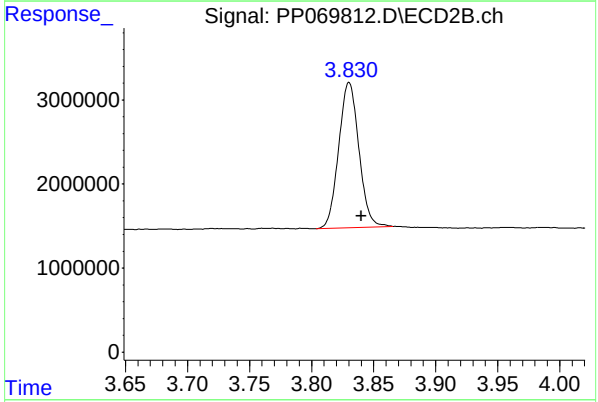
#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: -0.012 min
Response: 31228308
Conc: 21.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

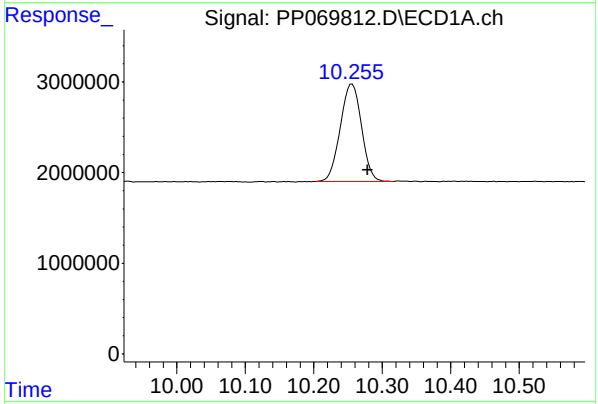
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/19/2025
Supervised By :Ankita Jodhani 02/20/2025



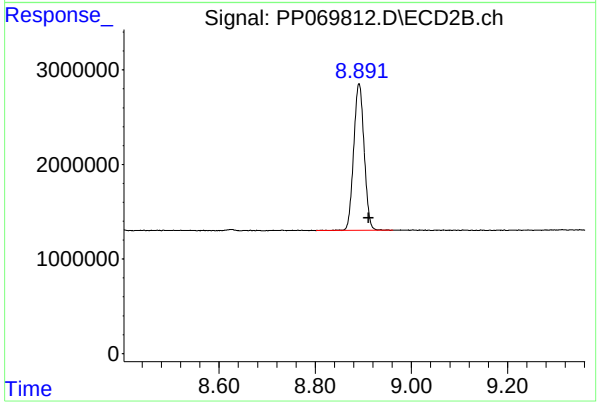
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: -0.010 min
Response: 19600133
Conc: 21.96 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.256 min
Delta R.T.: -0.023 min
Response: 23219354
Conc: 21.25 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.891 min
Delta R.T.: -0.020 min
Response: 23534388
Conc: 21.04 ng/ml

Raw Data: **PP069825.D**

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

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/18/25
Project:	P.S. 29 Queens - 2022SCA425	Date Received:	02/18/25
Client Sample ID:	PIBLK-PP069825.D	SDG No.:	Q1378
Lab Sample ID:	I.BLK-PP069825.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069825.D	1		02/18/25	PP021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		60 - 140	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.6		60 - 140	103%	SPK: 20

Comments:

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

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

Sample Results: **PP069825.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021825\
Data File : PP069825.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2025 18:51
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/19/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 04:30:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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...	4.526	3.829	31830811	19555709	22.236	21.910m
2)	SA Decachlor...	10.253	8.888	22459112	23052627	20.550	20.611
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021825\
Data File : PP069825.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2025 18:51
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

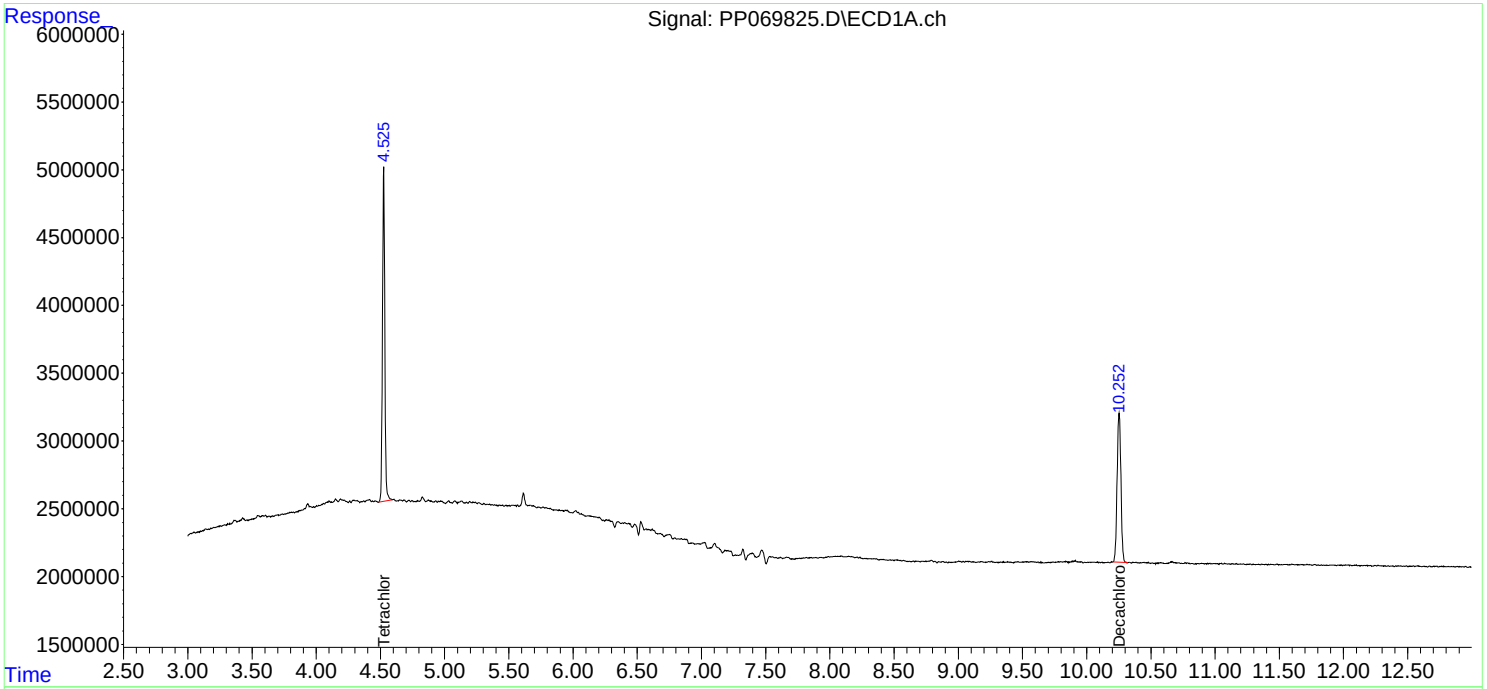
Instrument :
ECD_P
ClientSampleId :
I.BLK

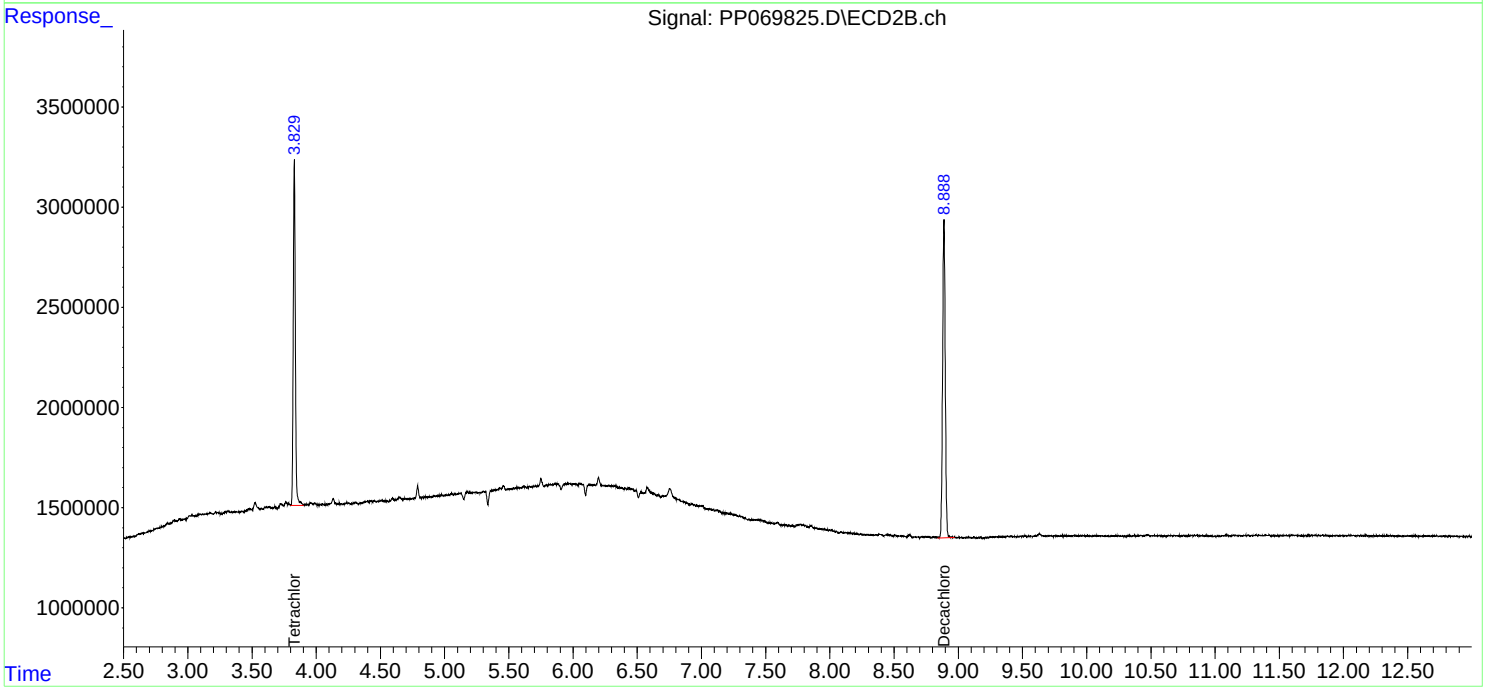
Manual Integrations APPROVED

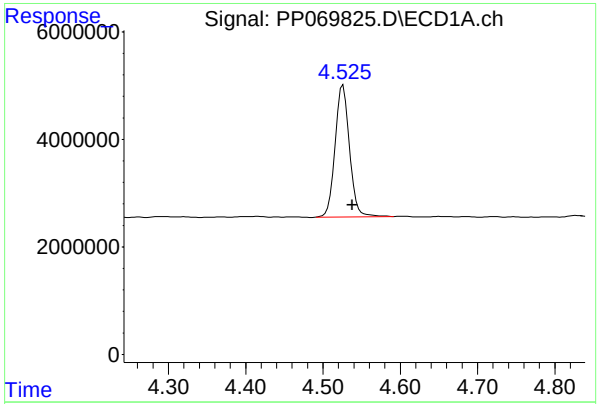
Reviewed By :Yogesh Patel 02/19/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 04:30:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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







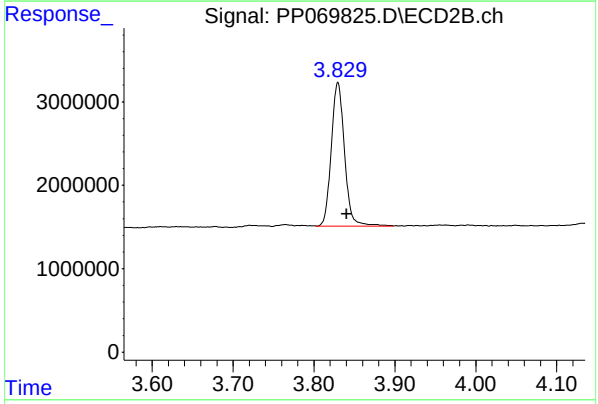
#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: -0.012 min
Response: 31830811
Conc: 22.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

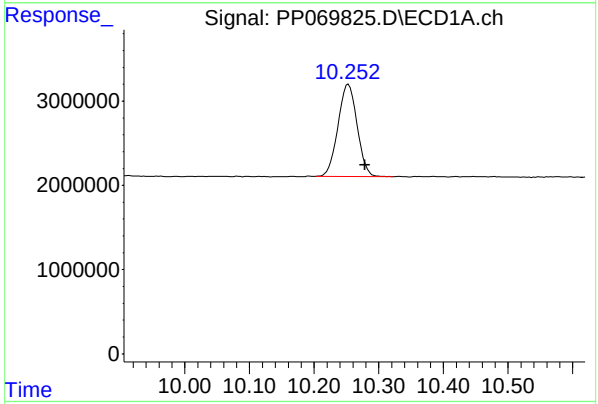
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/19/2025
Supervised By :Ankita Jodhani 02/20/2025



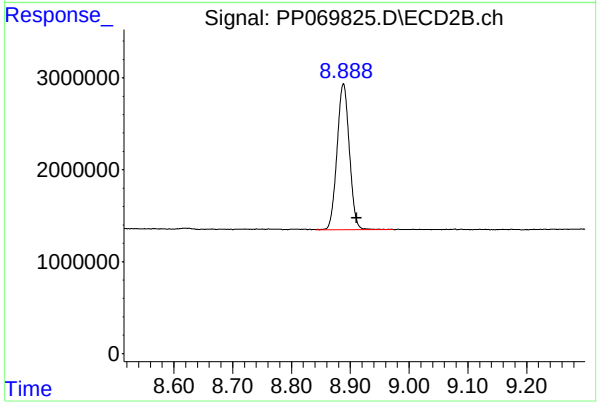
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 19555709
Conc: 21.91 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: -0.026 min
Response: 22459112
Conc: 20.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.023 min
Response: 23052627
Conc: 20.61 ng/ml

Raw Data: **PP069831.D**

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

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/19/25
Project:	P.S. 29 Queens - 2022SCA425	Date Received:	02/19/25
Client Sample ID:	PIBLK-PP069831.D	SDG No.:	Q1378
Lab Sample ID:	I.BLK-PP069831.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069831.D	1		02/19/25	PP021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.0		60 - 140	115%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		60 - 140	109%	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: **PP069831.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069831.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 10:11
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 12:00:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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...	4.523	3.829	33330414	20524428	23.284	22.996m
2)	SA Decachlor...	10.250	8.888	24640553	24452957	22.546	21.863
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069831.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 10:11
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

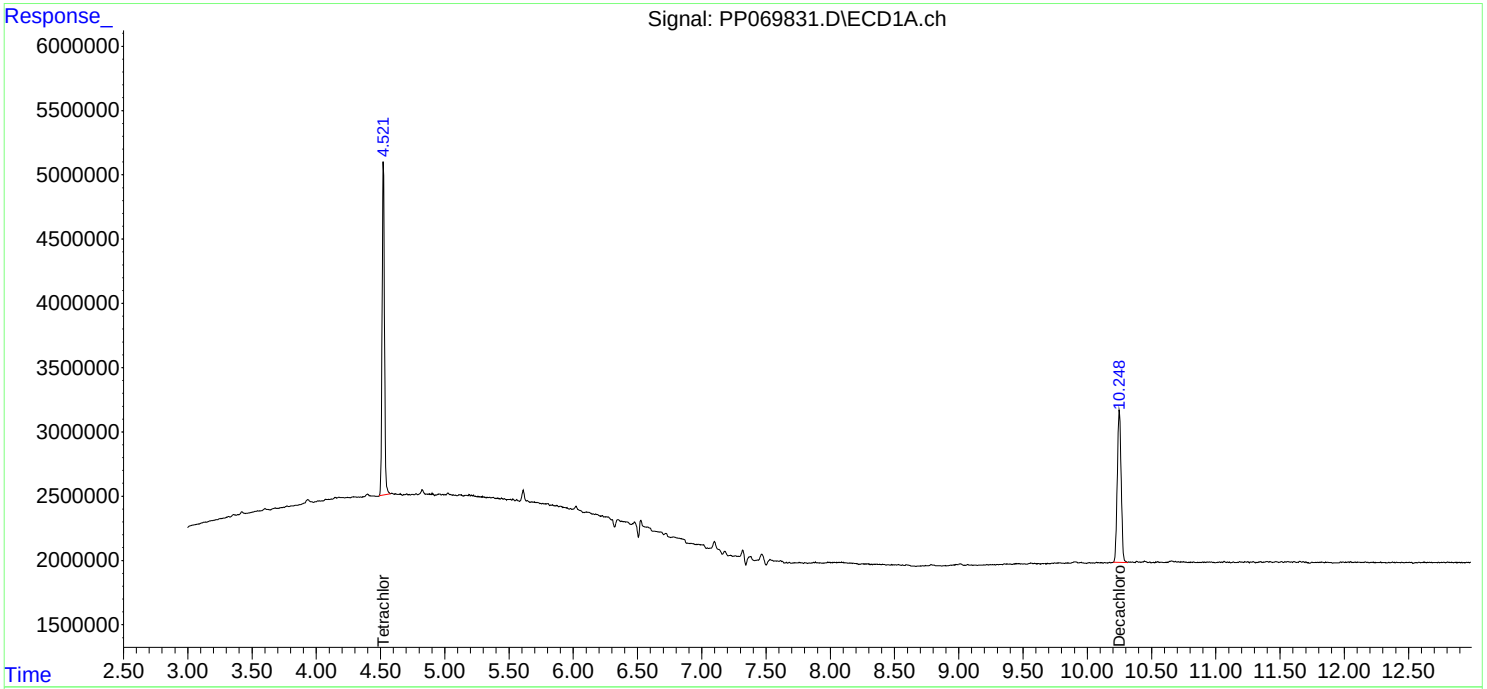
Instrument :
ECD_P
ClientSampleId :
I.BLK

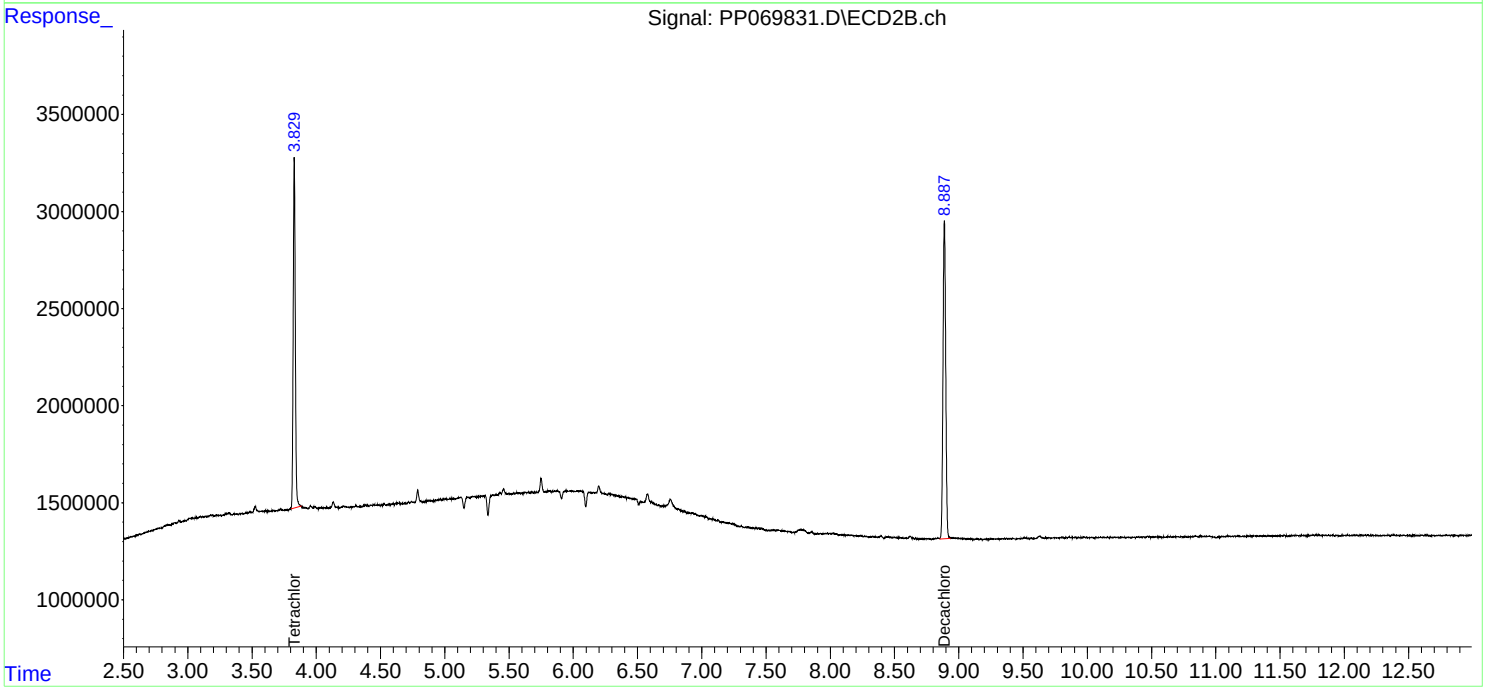
Manual Integrations APPROVED

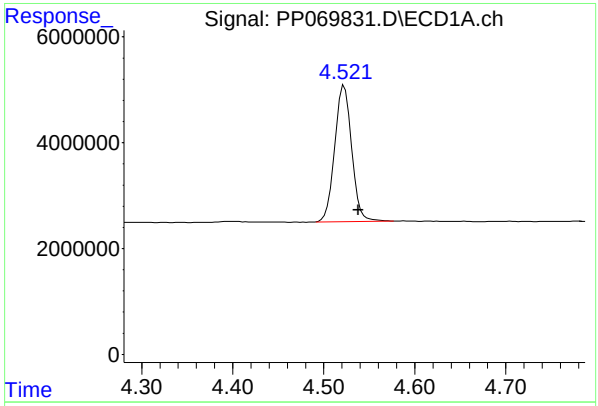
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 12:00:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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







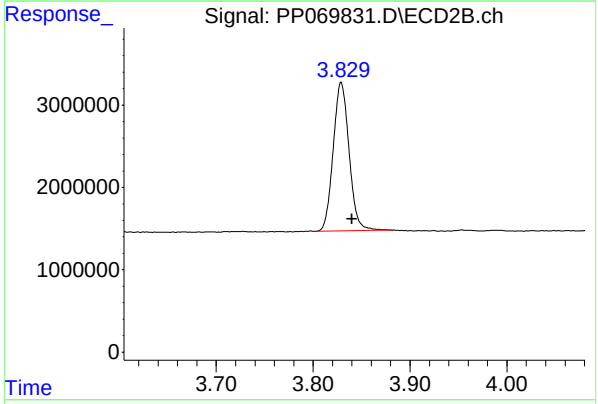
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: -0.015 min
Response: 33330414
Conc: 23.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

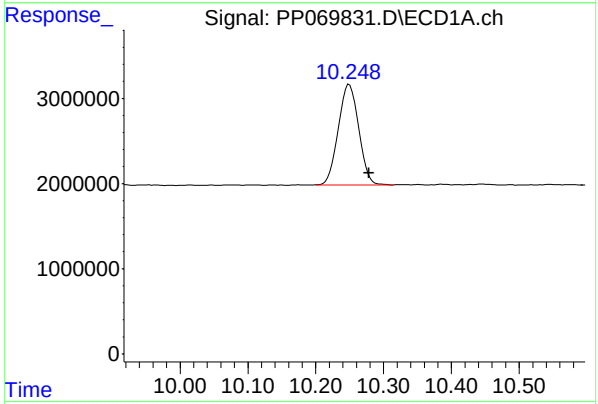
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



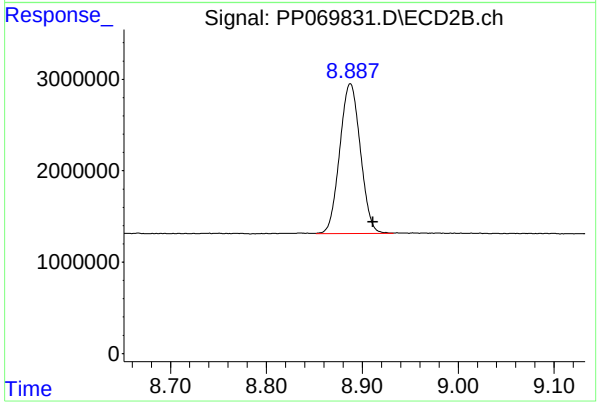
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 20524428
Conc: 23.00 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: -0.029 min
Response: 24640553
Conc: 22.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.023 min
Response: 24452957
Conc: 21.86 ng/ml

Raw Data: **PP069846.D**

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

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/19/25
Project:	P.S. 29 Queens - 2022SCA425	Date Received:	02/19/25
Client Sample ID:	PIBLK-PP069846.D	SDG No.:	Q1378
Lab Sample ID:	I.BLK-PP069846.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069846.D	1		02/19/25	PP021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.9		60 - 140	115%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		60 - 140	111%	SPK: 20

Comments:

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

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

Sample Results: **PP069846.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069846.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 16:31
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:25:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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...	4.523	3.829	33096603	20482405	23.121	22.948m
2)	SA Decachlor...	10.251	8.888	24297331	25578850	22.232	22.869
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021925\
Data File : PP069846.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 16:31
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

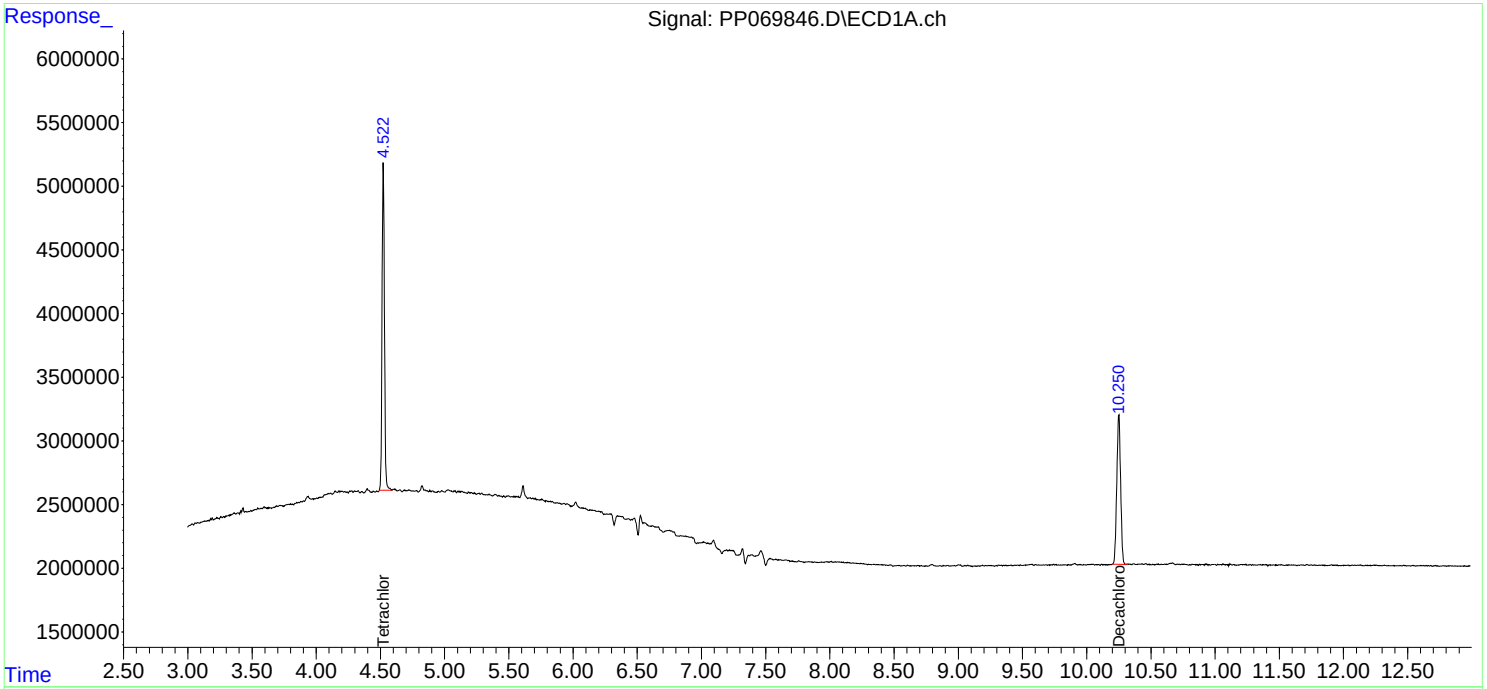
Instrument :
ECD_P
ClientSampleId :
I.BLK

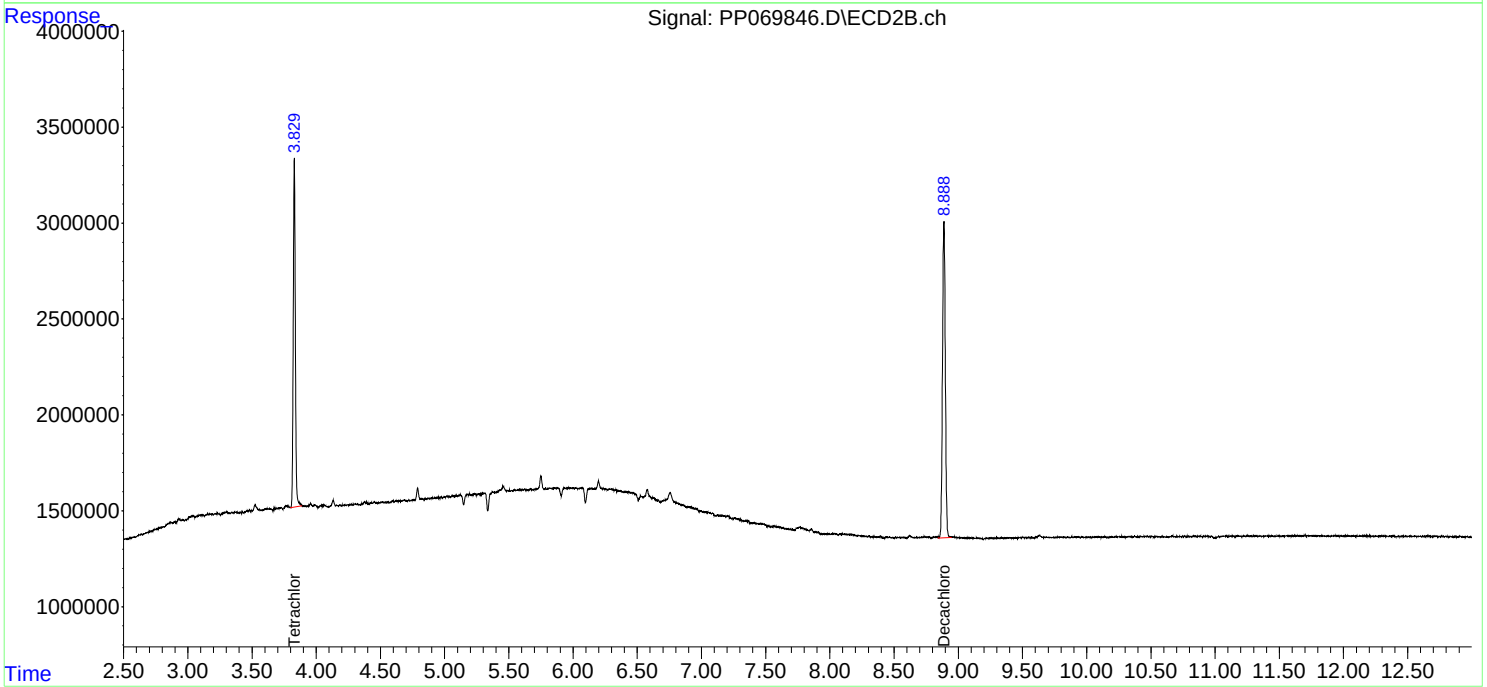
Manual Integrations APPROVED

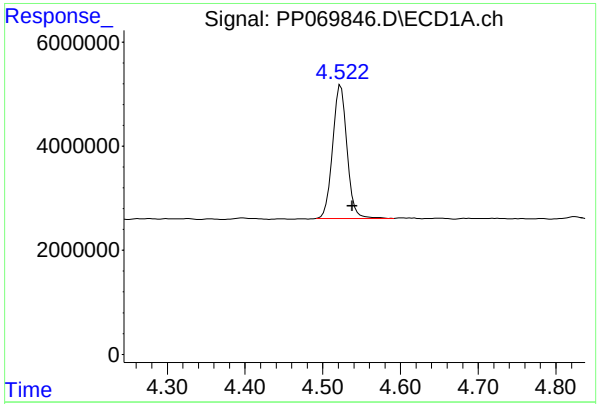
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:25:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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







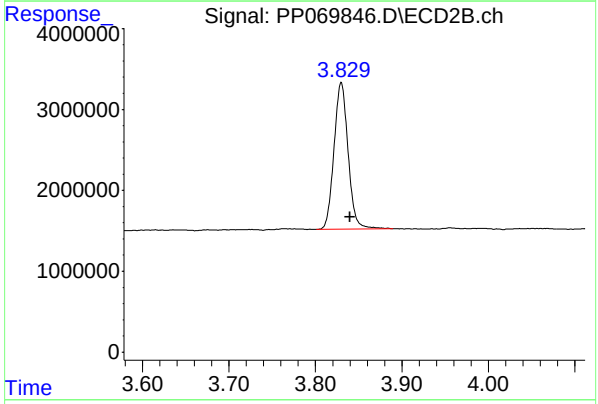
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: -0.015 min
Response: 33096603
Conc: 23.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

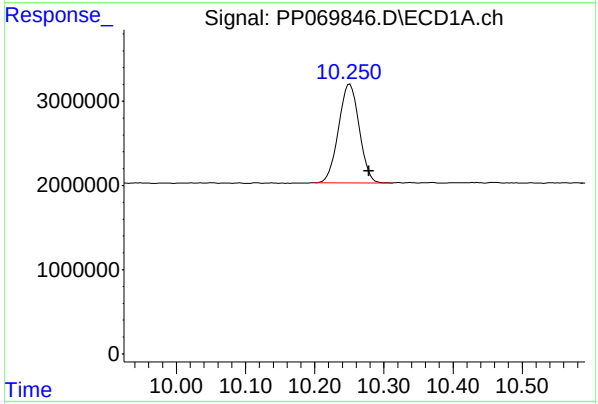
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



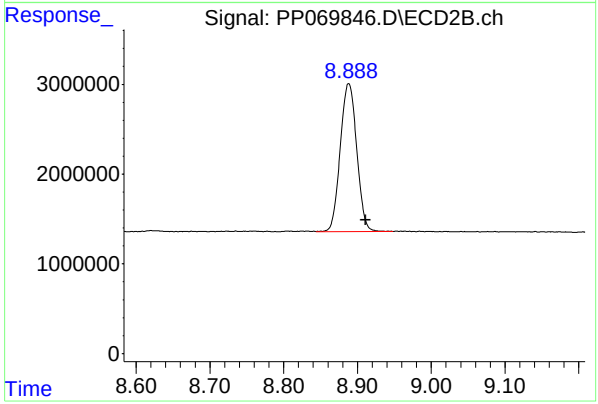
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.011 min
Response: 20482405
Conc: 22.95 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.028 min
Response: 24297331
Conc: 22.23 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.023 min
Response: 25578850
Conc: 22.87 ng/ml

Raw Data: **PP069814.D**

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

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	P.S. 29 Queens - 2022SCA425	Date Received:	
Client Sample ID:	PB166750BS	SDG No.:	Q1378
Lab Sample ID:	PB166750BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069814.D	1	02/18/25 08:08	02/18/25 14:15	PB166750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	150		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	147		2.90	17.0	ug/kg
Total PCBs	Total PCBs	297		6.30	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.0		32 - 144	115%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		32 - 175	111%	SPK: 20

Comments:

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

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

Sample Results: **PP069814.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021825\
Data File : PP069814.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2025 14:15
Operator : YP\AJ
Sample : PB166750BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB166750BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/19/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 18 14:58:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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...	4.525	3.830	32964309	20103409	23.028m	22.524m
2)	SA Decachlor...	10.255	8.891	24241906	24082873	22.181	21.532
	Target Compounds						
3)	L1 AR-1016-1	5.678	4.920	22004689	13387996	474.925m	410.486m
4)	L1 AR-1016-2	5.701	4.940	30846273	19369409	454.442	430.829
5)	L1 AR-1016-3	5.764	5.117	18993587	11135488	445.894	447.496
6)	L1 AR-1016-4	5.861	5.159	15945239	8853584	455.572	438.377
7)	L1 AR-1016-5	6.153	5.375	13866260	11256744	419.446m	419.654
31)	L7 AR-1260-1	7.273	6.412	26421939	23231379	452.150	481.684
32)	L7 AR-1260-2	7.527	6.601	33943932	29095972	436.225	474.620
33)	L7 AR-1260-3	7.885	6.754	23567412	25621277	376.962	425.911m
34)	L7 AR-1260-4	8.110	7.228	25565039	18583650	387.486	399.926
35)	L7 AR-1260-5	8.431	7.468	50184134	47940667	383.302	431.334

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

Sample Results: **PP069814.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP021825\
Data File : PP069814.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2025 14:15
Operator : YP\AJ
Sample : PB166750BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

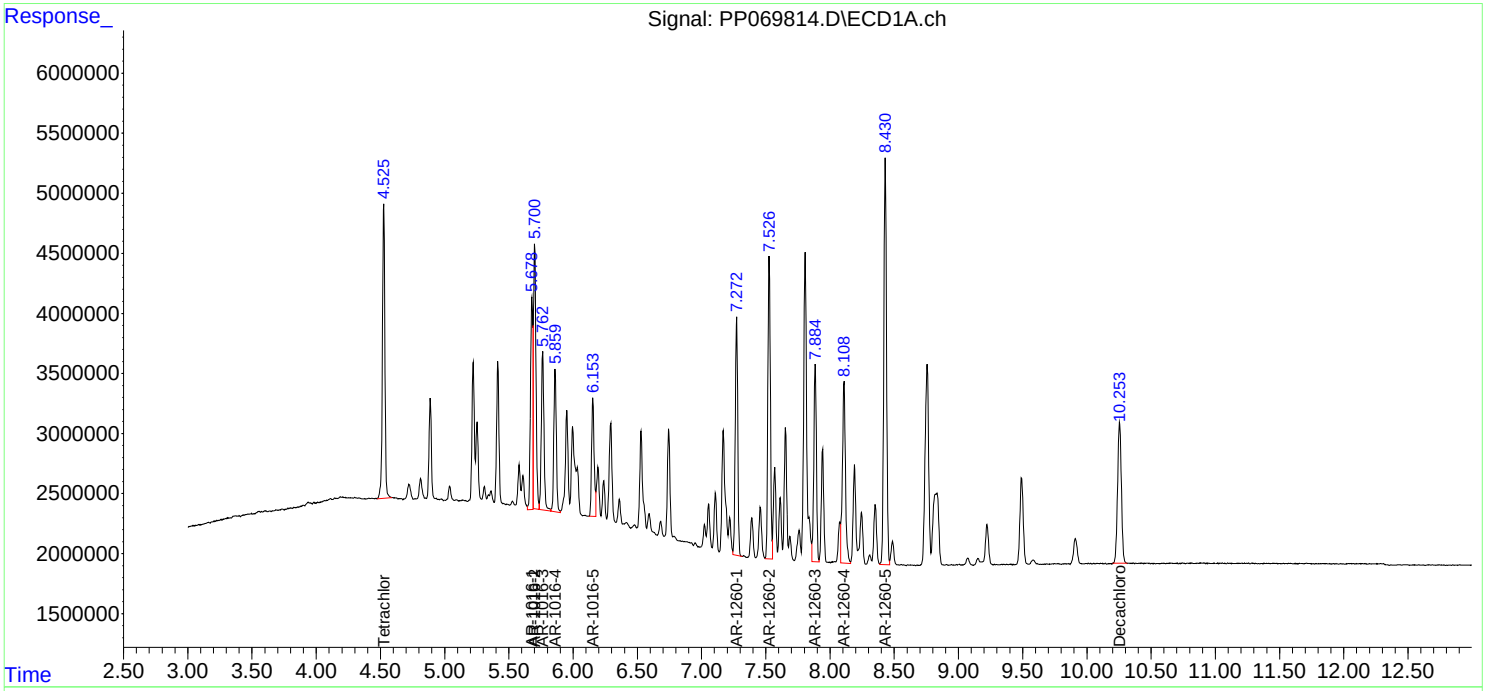
Instrument :
ECD_P
ClientSampleId :
PB166750BS

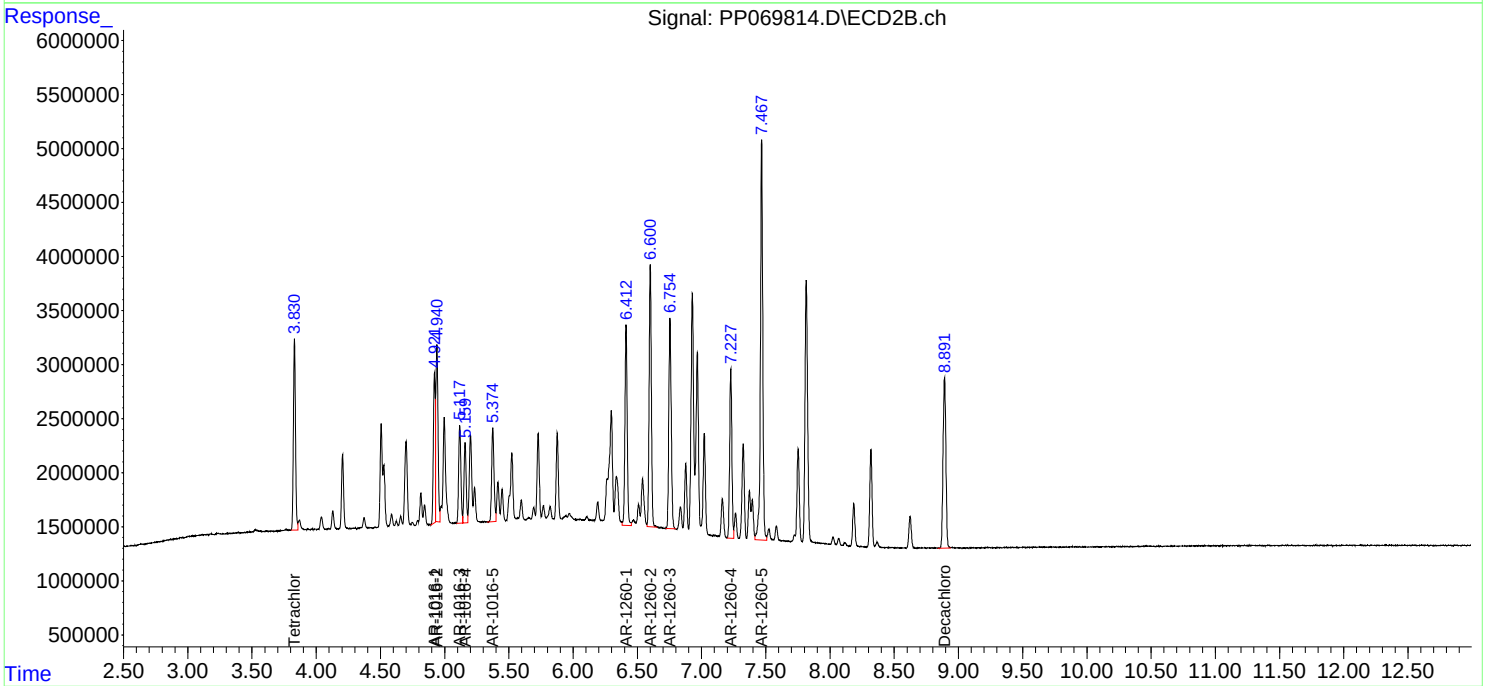
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/19/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 18 14:58:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP012825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 29 00:13:21 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





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

Manual Integration Report

Sequence:	PP012825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC1000	PP069265.D	Tetrachloro-m-xylene #2	yogesh	1/29/2025 8:01:08 AM	Ankita	1/29/2025 12:56:48	Peak Integrated by Software
AR1248ICC250	PP069280.D	AR-1248-4	yogesh	1/29/2025 8:01:09 AM	Ankita	1/29/2025 12:56:49	Peak Integrated by Software
AR1248ICC250	PP069280.D	AR-1248-5	yogesh	1/29/2025 8:01:09 AM	Ankita	1/29/2025 12:56:49	Peak Integrated by Software
AR1254ICC050	PP069286.D	AR-1254-1	yogesh	1/29/2025 8:01:10 AM	Ankita	1/29/2025 12:56:50	Peak Integrated by Software
AR1254ICC050	PP069286.D	Tetrachloro-m-xylene	yogesh	1/29/2025 8:01:10 AM	Ankita	1/29/2025 12:56:50	Peak Integrated by Software
AR1268ICC050	PP069292.D	Tetrachloro-m-xylene	yogesh	1/29/2025 8:01:12 AM	Ankita	1/29/2025 12:56:52	Peak Integrated by Software
AR1268ICC050	PP069292.D	Tetrachloro-m-xylene #2	yogesh	1/29/2025 8:01:12 AM	Ankita	1/29/2025 12:56:52	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP021825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC50 0	PP069800.D	AR-1260-3 #2	yogesh	2/19/2025 7:58:43 AM	Ankita	2/20/2025 12:26:38	Peak Integrated by Software
AR1660CCC50 0	PP069800.D	Tetrachloro-m-xylene	yogesh	2/19/2025 7:58:43 AM	Ankita	2/20/2025 12:26:38	Peak Integrated by Software
AR1660CCC50 0	PP069800.D	Tetrachloro-m-xylene #2	yogesh	2/19/2025 7:58:43 AM	Ankita	2/20/2025 12:26:38	Peak Integrated by Software
AR1254CCC50 0	PP069801.D	Tetrachloro-m-xylene #2	yogesh	2/19/2025 7:58:45 AM	Ankita	2/20/2025 12:26:42	Peak Integrated by Software
I.BLK	PP069802.D	Tetrachloro-m-xylene	yogesh	2/19/2025 7:58:47 AM	Ankita	2/20/2025 12:26:44	Peak Integrated by Software
I.BLK	PP069802.D	Tetrachloro-m-xylene #2	yogesh	2/19/2025 7:58:47 AM	Ankita	2/20/2025 12:26:44	Peak Integrated by Software
AR1660CCC50 0	PP069808.D	AR-1016-2 #2	yogesh	2/19/2025 7:58:59 AM	Ankita	2/20/2025 12:26:56	Peak Integrated by Software
AR1660CCC50 0	PP069808.D	AR-1016-5	yogesh	2/19/2025 7:58:59 AM	Ankita	2/20/2025 12:26:56	Peak Integrated by Software
AR1660CCC50 0	PP069808.D	AR-1260-3 #2	yogesh	2/19/2025 7:58:59 AM	Ankita	2/20/2025 12:26:56	Peak Integrated by Software
AR1660CCC50 0	PP069808.D	Tetrachloro-m-xylene	yogesh	2/19/2025 7:58:59 AM	Ankita	2/20/2025 12:26:56	Peak Integrated by Software
AR1660CCC50 0	PP069808.D	Tetrachloro-m-xylene #2	yogesh	2/19/2025 7:58:59 AM	Ankita	2/20/2025 12:26:56	Peak Integrated by Software
AR1242CCC50 0	PP069809.D	AR-1242-2 #2	yogesh	2/19/2025 7:59:00 AM	Ankita	2/20/2025 12:26:59	Peak Integrated by Software
AR1242CCC50 0	PP069809.D	Tetrachloro-m-xylene	yogesh	2/19/2025 7:59:00 AM	Ankita	2/20/2025 12:26:59	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP021825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP069809.D	Tetrachloro-m-xylene #2	yogesh	2/19/2025 7:59:00 AM	Ankita	2/20/2025 12:26:59	Peak Integrated by Software
AR1248CCC500	PP069810.D	AR-1248-3	yogesh	2/19/2025 7:59:02 AM	Ankita	2/20/2025 12:27:01	Peak Integrated by Software
AR1248CCC500	PP069810.D	Tetrachloro-m-xylene #2	yogesh	2/19/2025 7:59:02 AM	Ankita	2/20/2025 12:27:01	Peak Integrated by Software
AR1254CCC500	PP069811.D	AR-1254-5	yogesh	2/19/2025 7:59:04 AM	Ankita	2/20/2025 12:27:04	Peak Integrated by Software
AR1254CCC500	PP069811.D	Tetrachloro-m-xylene #2	yogesh	2/19/2025 7:59:04 AM	Ankita	2/20/2025 12:27:04	Peak Integrated by Software
I.BLK	PP069812.D	Tetrachloro-m-xylene #2	yogesh	2/19/2025 8:00:45 AM	Ankita	2/20/2025 12:27:06	Peak Integrated by Software
PB166750BS	PP069814.D	AR-1016-5	yogesh	2/19/2025 8:00:48 AM	Ankita	2/20/2025 12:27:10	Peak Integrated by Software
PB166750BS	PP069814.D	AR-1260-3 #2	yogesh	2/19/2025 8:00:48 AM	Ankita	2/20/2025 12:27:10	Peak Integrated by Software
PB166750BS	PP069814.D	Tetrachloro-m-xylene	yogesh	2/19/2025 8:00:48 AM	Ankita	2/20/2025 12:27:10	Peak Integrated by Software
PB166750BS	PP069814.D	Tetrachloro-m-xylene #2	yogesh	2/19/2025 8:00:48 AM	Ankita	2/20/2025 12:27:10	Peak Integrated by Software
Q1378-01	PP069815.D	Tetrachloro-m-xylene	yogesh	2/19/2025 8:00:56 AM	Ankita	2/20/2025 12:27:12	Peak Integrated by Software
Q1378-01	PP069815.D	Tetrachloro-m-xylene #2	yogesh	2/19/2025 8:00:56 AM	Ankita	2/20/2025 12:27:12	Peak Integrated by Software
Q1378-02	PP069816.D	Decachlorobiphenyl	yogesh	2/19/2025 8:00:59 AM	Ankita	2/20/2025 12:27:14	Peak Integrated by Software

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Sequence:	PP021825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1378-02	PP069816.D	Tetrachloro-m-xylene #2	yogesh	2/19/2025 8:00:59 AM	Ankita	2/20/2025 12:27:14	Peak Integrated by Software
AR1660CCC50 0	PP069821.D	AR-1016-1	yogesh	2/19/2025 2:37:28 PM	Ankita	2/20/2025 12:27:23	Peak Integrated by Software
AR1660CCC50 0	PP069821.D	AR-1016-1 #2	yogesh	2/19/2025 2:37:28 PM	Ankita	2/20/2025 12:27:23	Peak Integrated by Software
AR1660CCC50 0	PP069821.D	AR-1016-5	yogesh	2/19/2025 2:37:28 PM	Ankita	2/20/2025 12:27:23	Peak Integrated by Software
AR1660CCC50 0	PP069821.D	AR-1260-3	yogesh	2/19/2025 2:37:28 PM	Ankita	2/20/2025 12:27:23	Peak Integrated by Software
AR1660CCC50 0	PP069821.D	AR-1260-3 #2	yogesh	2/19/2025 2:37:28 PM	Ankita	2/20/2025 12:27:23	Peak Integrated by Software
AR1660CCC50 0	PP069821.D	AR-1260-4	yogesh	2/19/2025 2:37:28 PM	Ankita	2/20/2025 12:27:23	Peak Integrated by Software
AR1660CCC50 0	PP069821.D	AR-1260-5	yogesh	2/19/2025 2:37:28 PM	Ankita	2/20/2025 12:27:23	Peak Integrated by Software
AR1660CCC50 0	PP069821.D	Tetrachloro-m-xylene #2	yogesh	2/19/2025 2:37:28 PM	Ankita	2/20/2025 12:27:23	Peak Integrated by Software
AR1242CCC50 0	PP069822.D	AR-1242-1	yogesh	2/19/2025 8:01:13 AM	Ankita	2/20/2025 12:27:24	Peak Integrated by Software
AR1242CCC50 0	PP069822.D	AR-1242-1 #2	yogesh	2/19/2025 8:01:13 AM	Ankita	2/20/2025 12:27:24	Peak Integrated by Software
AR1242CCC50 0	PP069822.D	Tetrachloro-m-xylene #2	yogesh	2/19/2025 8:01:13 AM	Ankita	2/20/2025 12:27:24	Peak Integrated by Software
AR1248CCC50 0	PP069823.D	AR-1248-1	yogesh	2/19/2025 8:01:14 AM	Ankita	2/20/2025 12:27:26	Peak Integrated by Software

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Sequence:	PP021825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PP069823.D	AR-1248-1 #2	yogesh	2/19/2025 8:01:14 AM	Ankita	2/20/2025 12:27:26	Peak Integrated by Software
AR1248CCC500	PP069823.D	AR-1248-3	yogesh	2/19/2025 8:01:14 AM	Ankita	2/20/2025 12:27:26	Peak Integrated by Software
AR1254CCC500	PP069824.D	AR-1254-1	yogesh	2/19/2025 8:01:17 AM	Ankita	2/20/2025 12:27:27	Peak Integrated by Software
I.BLK	PP069825.D	Tetrachloro-m-xylene #2	yogesh	2/19/2025 8:01:18 AM	Ankita	2/20/2025 12:27:29	Peak Integrated by Software

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Sequence:	PP021925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP069827.D	AR-1016-5 #2	yogesh	2/20/2025 8:11:01 AM	Ankita	2/20/2025 12:54:11	Peak Integrated by Software
AR1660CCC500	PP069827.D	AR-1260-3 #2	yogesh	2/20/2025 8:11:01 AM	Ankita	2/20/2025 12:54:11	Peak Integrated by Software
AR1660CCC500	PP069827.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:01 AM	Ankita	2/20/2025 12:54:11	Peak Integrated by Software
AR1242CCC500	PP069828.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:03 AM	Ankita	2/20/2025 12:54:13	Peak Integrated by Software
AR1248CCC500	PP069829.D	AR-1248-3 #2	yogesh	2/20/2025 8:11:07 AM	Ankita	2/20/2025 12:54:15	Peak Integrated by Software
AR1248CCC500	PP069829.D	AR-1248-5 #2	yogesh	2/20/2025 8:11:07 AM	Ankita	2/20/2025 12:54:15	Peak Integrated by Software
AR1248CCC500	PP069829.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:07 AM	Ankita	2/20/2025 12:54:15	Peak Integrated by Software
AR1254CCC500	PP069830.D	AR-1254-4 #2	yogesh	2/20/2025 8:11:09 AM	Ankita	2/20/2025 12:54:16	Peak Integrated by Software
AR1254CCC500	PP069830.D	AR-1254-5	yogesh	2/20/2025 8:11:09 AM	Ankita	2/20/2025 12:54:16	Peak Integrated by Software
AR1254CCC500	PP069830.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:09 AM	Ankita	2/20/2025 12:54:16	Peak Integrated by Software
I.BLK	PP069831.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:11 AM	Ankita	2/20/2025 12:54:18	Peak Integrated by Software
PB166750BL	PP069833.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:14 AM	Ankita	2/20/2025 12:54:21	Peak Integrated by Software
Q1378-03	PP069836.D	Decachlorobiphenyl	yogesh	2/20/2025 8:11:20 AM	Ankita	2/20/2025 12:54:27	Peak Integrated by Software

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Sequence:	PP021925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1378-03	PP069836.D	Decachlorobiphenyl #2	yogesh	2/20/2025 8:11:20 AM	Ankita	2/20/2025 12:54:27	Peak Integrated by Software
Q1378-03	PP069836.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:20 AM	Ankita	2/20/2025 12:54:27	Peak Integrated by Software
AR1660CCC500	PP069842.D	AR-1016-2 #2	yogesh	2/20/2025 8:11:31 AM	Ankita	2/20/2025 12:54:38	Peak Integrated by Software
AR1660CCC500	PP069842.D	AR-1016-5 #2	yogesh	2/20/2025 8:11:31 AM	Ankita	2/20/2025 12:54:38	Peak Integrated by Software
AR1660CCC500	PP069842.D	AR-1260-3 #2	yogesh	2/20/2025 8:11:31 AM	Ankita	2/20/2025 12:54:38	Peak Integrated by Software
AR1660CCC500	PP069842.D	Tetrachloro-m-xylene	yogesh	2/20/2025 8:11:31 AM	Ankita	2/20/2025 12:54:38	Peak Integrated by Software
AR1660CCC500	PP069842.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:31 AM	Ankita	2/20/2025 12:54:38	Peak Integrated by Software
AR1242CCC500	PP069843.D	AR-1242-5	yogesh	2/20/2025 8:11:33 AM	Ankita	2/20/2025 12:54:40	Peak Integrated by Software
AR1242CCC500	PP069843.D	Tetrachloro-m-xylene	yogesh	2/20/2025 8:11:33 AM	Ankita	2/20/2025 12:54:40	Peak Integrated by Software
AR1242CCC500	PP069843.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:33 AM	Ankita	2/20/2025 12:54:40	Peak Integrated by Software
AR1248CCC500	PP069844.D	AR-1248-3	yogesh	2/20/2025 8:11:35 AM	Ankita	2/20/2025 12:54:42	Peak Integrated by Software
AR1248CCC500	PP069844.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:35 AM	Ankita	2/20/2025 12:54:42	Peak Integrated by Software
AR1254CCC500	PP069845.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:11:37 AM	Ankita	2/20/2025 12:54:43	Peak Integrated by Software

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Sequence:	PP021925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PP069846.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:12:51 AM	Ankita	2/20/2025 12:54:45	Peak Integrated by Software
AR1660CCC50 0	PP069857.D	AR-1016-1	yogesh	2/20/2025 8:13:13 AM	Ankita	2/20/2025 12:55:30	Peak Integrated by Software
AR1660CCC50 0	PP069857.D	AR-1016-1 #2	yogesh	2/20/2025 8:13:13 AM	Ankita	2/20/2025 12:55:30	Peak Integrated by Software
AR1660CCC50 0	PP069857.D	AR-1260-3 #2	yogesh	2/20/2025 8:13:13 AM	Ankita	2/20/2025 12:55:30	Peak Integrated by Software
AR1660CCC50 0	PP069857.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:13:13 AM	Ankita	2/20/2025 12:55:30	Peak Integrated by Software
AR1242CCC50 0	PP069858.D	AR-1242-1	yogesh	2/20/2025 8:14:39 AM	Ankita	2/20/2025 12:55:33	Peak Integrated by Software
AR1242CCC50 0	PP069858.D	AR-1242-1 #2	yogesh	2/20/2025 8:14:39 AM	Ankita	2/20/2025 12:55:33	Peak Integrated by Software
AR1242CCC50 0	PP069858.D	AR-1242-5	yogesh	2/20/2025 8:14:39 AM	Ankita	2/20/2025 12:55:33	Peak Integrated by Software
AR1248CCC50 0	PP069859.D	AR-1248-1	yogesh	2/20/2025 8:13:15 AM	Ankita	2/20/2025 12:55:34	Peak Integrated by Software
AR1248CCC50 0	PP069859.D	AR-1248-1 #2	yogesh	2/20/2025 8:13:15 AM	Ankita	2/20/2025 12:55:34	Peak Integrated by Software
AR1248CCC50 0	PP069859.D	AR-1248-3	yogesh	2/20/2025 8:13:15 AM	Ankita	2/20/2025 12:55:34	Peak Integrated by Software
AR1254CCC50 0	PP069860.D	AR-1254-1	yogesh	2/20/2025 8:13:17 AM	Ankita	2/20/2025 12:55:36	Peak Integrated by Software
AR1254CCC50 0	PP069860.D	AR-1254-5	yogesh	2/20/2025 8:13:17 AM	Ankita	2/20/2025 12:55:36	Peak Integrated by Software

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Sequence:	PP021925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PP069861.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:13:18 AM	Ankita	2/20/2025 12:55:38	Peak Integrated by Software
AR1660CCC50 0	PP069872.D	AR-1016-1	yogesh	2/20/2025 8:14:44 AM	Ankita	2/20/2025 12:56:32	Peak Integrated by Software
AR1660CCC50 0	PP069872.D	AR-1016-1 #2	yogesh	2/20/2025 8:14:44 AM	Ankita	2/20/2025 12:56:32	Peak Integrated by Software
AR1660CCC50 0	PP069872.D	AR-1016-5 #2	yogesh	2/20/2025 8:14:44 AM	Ankita	2/20/2025 12:56:32	Peak Integrated by Software
AR1660CCC50 0	PP069872.D	AR-1260-3 #2	yogesh	2/20/2025 8:14:44 AM	Ankita	2/20/2025 12:56:32	Peak Integrated by Software
AR1660CCC50 0	PP069872.D	Tetrachloro-m-xylene	yogesh	2/20/2025 8:14:44 AM	Ankita	2/20/2025 12:56:32	Peak Integrated by Software
AR1660CCC50 0	PP069872.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:14:44 AM	Ankita	2/20/2025 12:56:32	Peak Integrated by Software
AR1242CCC50 0	PP069873.D	AR-1242-1	yogesh	2/20/2025 8:14:47 AM	Ankita	2/20/2025 12:56:33	Peak Integrated by Software
AR1242CCC50 0	PP069873.D	AR-1242-1 #2	yogesh	2/20/2025 8:14:47 AM	Ankita	2/20/2025 12:56:33	Peak Integrated by Software
AR1242CCC50 0	PP069873.D	AR-1242-5 #2	yogesh	2/20/2025 8:14:47 AM	Ankita	2/20/2025 12:56:33	Peak Integrated by Software
AR1248CCC50 0	PP069874.D	AR-1248-1	yogesh	2/20/2025 8:14:49 AM	Ankita	2/20/2025 12:56:35	Peak Integrated by Software
AR1248CCC50 0	PP069874.D	AR-1248-1 #2	yogesh	2/20/2025 8:14:49 AM	Ankita	2/20/2025 12:56:35	Peak Integrated by Software
AR1248CCC50 0	PP069874.D	AR-1248-3	yogesh	2/20/2025 8:14:49 AM	Ankita	2/20/2025 12:56:35	Peak Integrated by Software

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Sequence:	PP021925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP069875.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:14:52 AM	Ankita	2/20/2025 12:56:36	Peak Integrated by Software
I.BLK	PP069876.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:14:55 AM	Ankita	2/20/2025 12:56:38	Peak Integrated by Software
AR1660CCC500	PP069885.D	AR-1016-1	yogesh	2/20/2025 8:15:09 AM	Ankita	2/20/2025 12:57:04	Peak Integrated by Software
AR1660CCC500	PP069885.D	AR-1016-1 #2	yogesh	2/20/2025 8:15:09 AM	Ankita	2/20/2025 12:57:04	Peak Integrated by Software
AR1660CCC500	PP069885.D	AR-1016-5	yogesh	2/20/2025 8:15:09 AM	Ankita	2/20/2025 12:57:04	Peak Integrated by Software
AR1660CCC500	PP069885.D	AR-1016-5 #2	yogesh	2/20/2025 8:15:09 AM	Ankita	2/20/2025 12:57:04	Peak Integrated by Software
AR1660CCC500	PP069885.D	AR-1260-3 #2	yogesh	2/20/2025 8:15:09 AM	Ankita	2/20/2025 12:57:04	Peak Integrated by Software
AR1660CCC500	PP069885.D	Tetrachloro-m-xylene	yogesh	2/20/2025 8:15:09 AM	Ankita	2/20/2025 12:57:04	Peak Integrated by Software
AR1660CCC500	PP069885.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:15:09 AM	Ankita	2/20/2025 12:57:04	Peak Integrated by Software
AR1242CCC500	PP069886.D	AR-1242-1	yogesh	2/20/2025 8:15:11 AM	Ankita	2/20/2025 12:57:05	Peak Integrated by Software
AR1242CCC500	PP069886.D	AR-1242-1 #2	yogesh	2/20/2025 8:15:11 AM	Ankita	2/20/2025 12:57:05	Peak Integrated by Software
AR1242CCC500	PP069886.D	AR-1242-5	yogesh	2/20/2025 8:15:11 AM	Ankita	2/20/2025 12:57:05	Peak Integrated by Software
AR1248CCC500	PP069887.D	AR-1248-1	yogesh	2/20/2025 8:15:13 AM	Ankita	2/20/2025 12:57:07	Peak Integrated by Software

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Sequence:	PP021925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PP069887.D	AR-1248-1 #2	yogesh	2/20/2025 8:15:13 AM	Ankita	2/20/2025 12:57:07	Peak Integrated by Software
AR1248CCC500	PP069887.D	AR-1248-3	yogesh	2/20/2025 8:15:13 AM	Ankita	2/20/2025 12:57:07	Peak Integrated by Software
AR1248CCC500	PP069887.D	AR-1248-4 #2	yogesh	2/20/2025 8:15:13 AM	Ankita	2/20/2025 12:57:07	Peak Integrated by Software
AR1254CCC500	PP069888.D	AR-1254-1	yogesh	2/20/2025 8:15:15 AM	Ankita	2/20/2025 12:57:08	Peak Integrated by Software
AR1254CCC500	PP069888.D	AR-1254-2	yogesh	2/20/2025 8:15:15 AM	Ankita	2/20/2025 12:57:08	Peak Integrated by Software
AR1254CCC500	PP069888.D	AR-1254-3	yogesh	2/20/2025 8:15:15 AM	Ankita	2/20/2025 12:57:08	Peak Integrated by Software
AR1254CCC500	PP069888.D	AR-1254-4	yogesh	2/20/2025 8:15:15 AM	Ankita	2/20/2025 12:57:08	Peak Integrated by Software
AR1254CCC500	PP069888.D	AR-1254-5	yogesh	2/20/2025 8:15:15 AM	Ankita	2/20/2025 12:57:08	Peak Integrated by Software
AR1254CCC500	PP069888.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:15:15 AM	Ankita	2/20/2025 12:57:08	Peak Integrated by Software
I.BLK	PP069889.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 8:15:17 AM	Ankita	2/20/2025 12:57:09	Peak Integrated by Software
AR1660CCC500	PP069898.D	AR-1016-2 #2	yogesh	2/20/2025 2:59:27 PM	Ankita	2/20/2025 3:01:40	Peak Integrated by Software
AR1660CCC500	PP069898.D	AR-1016-5	yogesh	2/20/2025 2:59:27 PM	Ankita	2/20/2025 3:01:40	Peak Integrated by Software
AR1660CCC500	PP069898.D	AR-1016-5 #2	yogesh	2/20/2025 2:59:27 PM	Ankita	2/20/2025 3:01:40	Peak Integrated by Software

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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP069898.D	AR-1260-3 #2	yogesh	2/20/2025 2:59:27 PM	Ankita	2/20/2025 3:01:40	Peak Integrated by Software
AR1660CCC500	PP069898.D	Tetrachloro-m-xylene	yogesh	2/20/2025 2:59:27 PM	Ankita	2/20/2025 3:01:40	Peak Integrated by Software
AR1660CCC500	PP069898.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 2:59:27 PM	Ankita	2/20/2025 3:01:40	Peak Integrated by Software
AR1254CCC500	PP069899.D	AR-1254-2	yogesh	2/20/2025 2:59:28 PM	Ankita	2/20/2025 3:01:42	Peak Integrated by Software
AR1254CCC500	PP069899.D	AR-1254-3	yogesh	2/20/2025 2:59:28 PM	Ankita	2/20/2025 3:01:42	Peak Integrated by Software
AR1254CCC500	PP069899.D	AR-1254-4	yogesh	2/20/2025 2:59:28 PM	Ankita	2/20/2025 3:01:42	Peak Integrated by Software
AR1254CCC500	PP069899.D	AR-1254-4 #2	yogesh	2/20/2025 2:59:28 PM	Ankita	2/20/2025 3:01:42	Peak Integrated by Software
AR1254CCC500	PP069899.D	Tetrachloro-m-xylene #2	yogesh	2/20/2025 2:59:28 PM	Ankita	2/20/2025 3:01:42	Peak Integrated by Software

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP012825

Review By	yogesh	Review On	1/29/2025 8:01:22 AM		
Supervise By	Ankita	Supervise On	1/29/2025 12:56:57 PM		
SubDirectory	PP012825	HP Acquire Method		HP Processing Method	PP012825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP069263.D	28 Jan 2025 09:05	YP\AJ	Ok
2	I.BLK	PP069264.D	28 Jan 2025 09:21	YP\AJ	Ok
3	AR1660ICC1000	PP069265.D	28 Jan 2025 09:37	YP\AJ	Ok,M
4	AR1660ICC750	PP069266.D	28 Jan 2025 09:54	YP\AJ	Ok
5	AR1660ICC500	PP069267.D	28 Jan 2025 10:10	YP\AJ	Ok
6	AR1660ICC250	PP069268.D	28 Jan 2025 10:26	YP\AJ	Ok
7	AR1660ICC050	PP069269.D	28 Jan 2025 11:15	YP\AJ	Ok
8	AR1221ICC500	PP069270.D	28 Jan 2025 11:32	YP\AJ	Ok
9	AR1232ICC500	PP069271.D	28 Jan 2025 11:48	YP\AJ	Ok
10	AR1242ICC1000	PP069272.D	28 Jan 2025 12:04	YP\AJ	Ok
11	AR1242ICC750	PP069273.D	28 Jan 2025 12:21	YP\AJ	Ok
12	AR1242ICC500	PP069274.D	28 Jan 2025 12:37	YP\AJ	Ok
13	AR1242ICC250	PP069275.D	28 Jan 2025 12:53	YP\AJ	Ok
14	AR1242ICC050	PP069276.D	28 Jan 2025 13:09	YP\AJ	Ok
15	AR1248ICC1000	PP069277.D	28 Jan 2025 13:26	YP\AJ	Ok
16	AR1248ICC750	PP069278.D	28 Jan 2025 13:42	YP\AJ	Ok
17	AR1248ICC500	PP069279.D	28 Jan 2025 13:58	YP\AJ	Ok
18	AR1248ICC250	PP069280.D	28 Jan 2025 14:15	YP\AJ	Ok,M
19	AR1248ICC050	PP069281.D	28 Jan 2025 14:31	YP\AJ	Ok
20	AR1254ICC1000	PP069282.D	28 Jan 2025 14:47	YP\AJ	Ok
21	AR1254ICC750	PP069283.D	28 Jan 2025 15:04	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP012825

Review By	yogesh	Review On	1/29/2025 8:01:22 AM		
Supervise By	Ankita	Supervise On	1/29/2025 12:56:57 PM		
SubDirectory	PP012825	HP Acquire Method		HP Processing Method	PP012825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PP069284.D	28 Jan 2025 15:20	YP\AJ	Ok
23	AR1254ICC250	PP069285.D	28 Jan 2025 15:36	YP\AJ	Ok
24	AR1254ICC050	PP069286.D	28 Jan 2025 15:53	YP\AJ	Ok,M
25	AR1262ICC500	PP069287.D	28 Jan 2025 16:09	YP\AJ	Ok
26	AR1268ICC1000	PP069288.D	28 Jan 2025 16:25	YP\AJ	Ok
27	AR1268ICC750	PP069289.D	28 Jan 2025 16:42	YP\AJ	Ok
28	AR1268ICC500	PP069290.D	28 Jan 2025 16:58	YP\AJ	Ok
29	AR1268ICC250	PP069291.D	28 Jan 2025 17:14	YP\AJ	Ok
30	AR1268ICC050	PP069292.D	28 Jan 2025 17:30	YP\AJ	Ok,M
31	PP012825ICV500	PP069293.D	28 Jan 2025 17:47	YP\AJ	Ok
32	AR1242ICV500	PP069294.D	28 Jan 2025 18:03	YP\AJ	Ok
33	AR1248ICV500	PP069295.D	28 Jan 2025 18:19	YP\AJ	Ok
34	AR1254ICV500	PP069296.D	28 Jan 2025 18:36	YP\AJ	Ok
35	AR1268ICV500	PP069297.D	28 Jan 2025 18:52	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021825

Review By	yogesh	Review On	2/18/2025 3:40:07 PM		
Supervise By	Ankita	Supervise On	2/20/2025 12:28:06 PM		
SubDirectory	PP021825	HP Acquire Method		HP Processing Method	PP012825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP069799.D	18 Feb 2025 09:07	YP\AJ	Ok
2	AR1660CCC500	PP069800.D	18 Feb 2025 09:23	YP\AJ	Ok,M
3	AR1254CCC500	PP069801.D	18 Feb 2025 09:39	YP\AJ	Ok,M
4	I.BLK	PP069802.D	18 Feb 2025 09:55	YP\AJ	Ok,M
5	Q1373-01DL	PP069803.D	18 Feb 2025 10:12	YP\AJ	Ok,M
6	Q1373-02DL	PP069804.D	18 Feb 2025 10:28	YP\AJ	Dilution
7	PB166749BL	PP069805.D	18 Feb 2025 11:00	YP\AJ	Ok,M
8	PB166749BS	PP069806.D	18 Feb 2025 11:17	YP\AJ	Ok,M
9	Q1377-01	PP069807.D	18 Feb 2025 11:33	YP\AJ	ReRun
10	AR1660CCC500	PP069808.D	18 Feb 2025 12:38	YP\AJ	Ok,M
11	AR1242CCC500	PP069809.D	18 Feb 2025 12:54	YP\AJ	Ok,M
12	AR1248CCC500	PP069810.D	18 Feb 2025 13:10	YP\AJ	Ok,M
13	AR1254CCC500	PP069811.D	18 Feb 2025 13:26	YP\AJ	Ok,M
14	I.BLK	PP069812.D	18 Feb 2025 13:43	YP\AJ	Ok,M
15	PB166750BL	PP069813.D	18 Feb 2025 13:59	YP\AJ	Not Ok
16	PB166750BS	PP069814.D	18 Feb 2025 14:15	YP\AJ	Ok,M
17	Q1378-01	PP069815.D	18 Feb 2025 14:32	YP\AJ	Ok,M
18	Q1378-02	PP069816.D	18 Feb 2025 14:48	YP\AJ	Ok,M
19	Q1378-03	PP069817.D	18 Feb 2025 15:04	YP\AJ	Not Ok
20	Q1379-01	PP069818.D	18 Feb 2025 15:20	YP\AJ	Not Ok
21	Q1377-01RE	PP069819.D	18 Feb 2025 15:36	YP\AJ	Not Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021825

Review By	yogesh	Review On	2/18/2025 3:40:07 PM		
Supervise By	Ankita	Supervise On	2/20/2025 12:28:06 PM		
SubDirectory	PP021825	HP Acquire Method		HP Processing Method	PP012825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1378-03	PP069820.D	18 Feb 2025 16:41	YP\AJ	Not Ok
23	AR1660CCC500	PP069821.D	18 Feb 2025 17:46	YP\AJ	Ok,M
24	AR1242CCC500	PP069822.D	18 Feb 2025 18:03	YP\AJ	Ok,M
25	AR1248CCC500	PP069823.D	18 Feb 2025 18:19	YP\AJ	Ok,M
26	AR1254CCC500	PP069824.D	18 Feb 2025 18:35	YP\AJ	Ok,M
27	I.BLK	PP069825.D	18 Feb 2025 18:51	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021925

Review By	yogesh	Review On	2/19/2025 11:05:18 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:57:16 PM		
SubDirectory	PP021925	HP Acquire Method		HP Processing Method	PP012825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP069826.D	19 Feb 2025 08:10	YP\AJ	Ok
2	AR1660CCC500	PP069827.D	19 Feb 2025 08:26	YP\AJ	Ok,M
3	AR1242CCC500	PP069828.D	19 Feb 2025 08:47	YP\AJ	Ok,M
4	AR1248CCC500	PP069829.D	19 Feb 2025 09:03	YP\AJ	Ok,M
5	AR1254CCC500	PP069830.D	19 Feb 2025 09:19	YP\AJ	Ok,M
6	I.BLK	PP069831.D	19 Feb 2025 10:11	YP\AJ	Ok,M
7	PB166749BL	PP069832.D	19 Feb 2025 10:28	YP\AJ	Ok,M
8	PB166750BL	PP069833.D	19 Feb 2025 10:44	YP\AJ	Ok,M
9	Q1373-02DL2	PP069834.D	19 Feb 2025 11:01	YP\AJ	Ok,M
10	Q1379-01	PP069835.D	19 Feb 2025 11:17	YP\AJ	Ok,M
11	Q1378-03	PP069836.D	19 Feb 2025 11:33	YP\AJ	Ok,M
12	PB166770BL	PP069837.D	19 Feb 2025 13:00	YP\AJ	Ok,M
13	PB166770BS	PP069838.D	19 Feb 2025 13:16	YP\AJ	Ok,M
14	Q1382-01	PP069839.D	19 Feb 2025 13:32	YP\AJ	Ok,M
15	Q1382-01MS	PP069840.D	19 Feb 2025 13:48	YP\AJ	Not Ok
16	Q1382-01MSD	PP069841.D	19 Feb 2025 14:05	YP\AJ	Not Ok
17	AR1660CCC500	PP069842.D	19 Feb 2025 15:10	YP\AJ	Ok,M
18	AR1242CCC500	PP069843.D	19 Feb 2025 15:42	YP\AJ	Ok,M
19	AR1248CCC500	PP069844.D	19 Feb 2025 15:58	YP\AJ	Ok,M
20	AR1254CCC500	PP069845.D	19 Feb 2025 16:15	YP\AJ	Ok,M
21	I.BLK	PP069846.D	19 Feb 2025 16:31	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021925

Review By	yogesh	Review On	2/19/2025 11:05:18 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:57:16 PM		
SubDirectory	PP021925	HP Acquire Method		HP Processing Method	PP012825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1382-03	PP069847.D	19 Feb 2025 16:47	YP\AJ	ReRun
23	Q1382-05	PP069848.D	19 Feb 2025 17:03	YP\AJ	ReRun
24	Q1382-07	PP069849.D	19 Feb 2025 17:19	YP\AJ	ReRun
25	Q1382-09	PP069850.D	19 Feb 2025 17:36	YP\AJ	Not Ok
26	Q1382-11	PP069851.D	19 Feb 2025 17:52	YP\AJ	ReRun
27	Q1382-13	PP069852.D	19 Feb 2025 18:08	YP\AJ	Ok,M
28	Q1382-15	PP069853.D	19 Feb 2025 18:24	YP\AJ	Ok,M
29	Q1382-17	PP069854.D	19 Feb 2025 18:40	YP\AJ	Ok,M
30	Q1382-19	PP069855.D	19 Feb 2025 18:57	YP\AJ	ReRun
31	Q1384-01	PP069856.D	19 Feb 2025 19:13	YP\AJ	Ok
32	AR1660CCC500	PP069857.D	19 Feb 2025 20:18	YP\AJ	Ok,M
33	AR1242CCC500	PP069858.D	19 Feb 2025 20:50	YP\AJ	Ok,M
34	AR1248CCC500	PP069859.D	19 Feb 2025 21:07	YP\AJ	Ok,M
35	AR1254CCC500	PP069860.D	19 Feb 2025 21:23	YP\AJ	Ok,M
36	I.BLK	PP069861.D	19 Feb 2025 21:39	YP\AJ	Ok,M
37	PB166774BL	PP069862.D	19 Feb 2025 21:55	YP\AJ	Ok,M
38	PB166774BS	PP069863.D	19 Feb 2025 22:11	YP\AJ	Ok,M
39	Q1385-01	PP069864.D	19 Feb 2025 22:28	YP\AJ	Ok,M
40	Q1383-01	PP069865.D	19 Feb 2025 22:44	YP\AJ	Ok,M
41	Q1383-01MS	PP069866.D	19 Feb 2025 23:00	YP\AJ	Ok,M
42	Q1383-01MSD	PP069867.D	19 Feb 2025 23:16	YP\AJ	Ok,M
43	Q1383-03	PP069868.D	19 Feb 2025 23:33	YP\AJ	ReRun
44	Q1383-05	PP069869.D	19 Feb 2025 23:49	YP\AJ	ReRun

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021925

Review By	yogesh	Review On	2/19/2025 11:05:18 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:57:16 PM		
SubDirectory	PP021925	HP Acquire Method		HP Processing Method	PP012825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q1383-07	PP069870.D	20 Feb 2025 00:05	YP\AJ	ReRun
46	Q1383-09	PP069871.D	20 Feb 2025 00:21	YP\AJ	ReRun
47	AR1660CCC500	PP069872.D	20 Feb 2025 01:26	YP\AJ	Ok,M
48	AR1242CCC500	PP069873.D	20 Feb 2025 01:58	YP\AJ	Ok,M
49	AR1248CCC500	PP069874.D	20 Feb 2025 02:15	YP\AJ	Ok,M
50	AR1254CCC500	PP069875.D	20 Feb 2025 02:31	YP\AJ	Ok,M
51	I.BLK	PP069876.D	20 Feb 2025 02:47	YP\AJ	Ok,M
52	Q1383-11	PP069877.D	20 Feb 2025 03:03	YP\AJ	Not Ok
53	Q1383-13	PP069878.D	20 Feb 2025 03:20	YP\AJ	ReRun
54	Q1383-15	PP069879.D	20 Feb 2025 03:36	YP\AJ	Ok,M
55	Q1383-17	PP069880.D	20 Feb 2025 03:52	YP\AJ	ReRun
56	Q1383-19	PP069881.D	20 Feb 2025 04:08	YP\AJ	Ok,M
57	Q1383-21	PP069882.D	20 Feb 2025 04:24	YP\AJ	ReRun
58	Q1377-01	PP069883.D	20 Feb 2025 04:41	YP\AJ	Ok,M
59	Q1378-03	PP069884.D	20 Feb 2025 04:57	YP\AJ	Not Ok
60	AR1660CCC500	PP069885.D	20 Feb 2025 06:02	YP\AJ	Ok,M
61	AR1242CCC500	PP069886.D	20 Feb 2025 06:34	YP\AJ	Ok,M
62	AR1248CCC500	PP069887.D	20 Feb 2025 06:50	YP\AJ	Ok,M
63	AR1254CCC500	PP069888.D	20 Feb 2025 07:07	YP\AJ	Ok,M
64	I.BLK	PP069889.D	20 Feb 2025 07:23	YP\AJ	Ok,M
65	PB166785BL	PP069890.D	20 Feb 2025 07:39	YP\AJ	Ok,M
66	PB166785BS	PP069891.D	20 Feb 2025 07:55	YP\AJ	Ok,M
67	Q1389-01	PP069892.D	20 Feb 2025 08:12	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021925

Review By	yogesh	Review On	2/19/2025 11:05:18 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:57:16 PM		
SubDirectory	PP021925	HP Acquire Method		HP Processing Method	PP012825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

68	Q1389-02	PP069893.D	20 Feb 2025 08:28	YP\AJ	Ok,M
69	Q1389-03	PP069894.D	20 Feb 2025 08:44	YP\AJ	Ok,M
70	Q1389-04	PP069895.D	20 Feb 2025 09:00	YP\AJ	Ok,M
71	Q1391-01	PP069896.D	20 Feb 2025 09:16	YP\AJ	Ok,M
72	Q1391-02	PP069897.D	20 Feb 2025 09:33	YP\AJ	Ok,M
73	AR1660CCC500	PP069898.D	20 Feb 2025 10:38	YP\AJ	Ok,M
74	AR1254CCC500	PP069899.D	20 Feb 2025 10:54	YP\AJ	Ok,M
75	I.BLK	PP069900.D	20 Feb 2025 11:10	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP012825

Review By	yogesh	Review On	1/29/2025 8:01:22 AM		
Supervise By	Ankita	Supervise On	1/29/2025 12:56:57 PM		
SubDirectory	PP012825	HP Acquire Method		HP Processing Method	PP012825

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP069263.D	28 Jan 2025 09:05		YP\AJ	Ok
2	I.BLK	I.BLK	PP069264.D	28 Jan 2025 09:21		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP069265.D	28 Jan 2025 09:37		YP\AJ	Ok,M
4	AR1660ICC750	AR1660ICC750	PP069266.D	28 Jan 2025 09:54		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP069267.D	28 Jan 2025 10:10		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP069268.D	28 Jan 2025 10:26		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP069269.D	28 Jan 2025 11:15		YP\AJ	Ok
8	AR1221ICC500	AR1221ICC500	PP069270.D	28 Jan 2025 11:32		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP069271.D	28 Jan 2025 11:48		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP069272.D	28 Jan 2025 12:04		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP069273.D	28 Jan 2025 12:21		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PP069274.D	28 Jan 2025 12:37		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP069275.D	28 Jan 2025 12:53		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PP069276.D	28 Jan 2025 13:09		YP\AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PP069277.D	28 Jan 2025 13:26		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP069278.D	28 Jan 2025 13:42		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP069279.D	28 Jan 2025 13:58		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP069280.D	28 Jan 2025 14:15		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP012825

Review By	yogesh	Review On	1/29/2025 8:01:22 AM		
Supervise By	Ankita	Supervise On	1/29/2025 12:56:57 PM		
SubDirectory	PP012825	HP Acquire Method		HP Processing Method	PP012825

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

19	AR1248ICC050	AR1248ICC050	PP069281.D	28 Jan 2025 14:31		YP\AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PP069282.D	28 Jan 2025 14:47		YP\AJ	Ok
21	AR1254ICC750	AR1254ICC750	PP069283.D	28 Jan 2025 15:04		YP\AJ	Ok
22	AR1254ICC500	AR1254ICC500	PP069284.D	28 Jan 2025 15:20		YP\AJ	Ok
23	AR1254ICC250	AR1254ICC250	PP069285.D	28 Jan 2025 15:36		YP\AJ	Ok
24	AR1254ICC050	AR1254ICC050	PP069286.D	28 Jan 2025 15:53		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP069287.D	28 Jan 2025 16:09		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP069288.D	28 Jan 2025 16:25		YP\AJ	Ok
27	AR1268ICC750	AR1268ICC750	PP069289.D	28 Jan 2025 16:42		YP\AJ	Ok
28	AR1268ICC500	AR1268ICC500	PP069290.D	28 Jan 2025 16:58		YP\AJ	Ok
29	AR1268ICC250	AR1268ICC250	PP069291.D	28 Jan 2025 17:14		YP\AJ	Ok
30	AR1268ICC050	AR1268ICC050	PP069292.D	28 Jan 2025 17:30		YP\AJ	Ok,M
31	PP012825ICV500	ICVPP012825	PP069293.D	28 Jan 2025 17:47		YP\AJ	Ok
32	AR1242ICV500	ICVPP012825AR1242	PP069294.D	28 Jan 2025 18:03		YP\AJ	Ok
33	AR1248ICV500	ICVPP012825AR1248	PP069295.D	28 Jan 2025 18:19		YP\AJ	Ok
34	AR1254ICV500	ICVPP012825AR1254	PP069296.D	28 Jan 2025 18:36		YP\AJ	Ok
35	AR1268ICV500	ICVPP012825AR1268	PP069297.D	28 Jan 2025 18:52		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021825

Review By	yogesh	Review On	2/18/2025 3:40:07 PM		
Supervise By	Ankita	Supervise On	2/20/2025 12:28:06 PM		
SubDirectory	PP021825	HP Acquire Method		HP Processing Method	PP012825

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP069799.D	18 Feb 2025 09:07		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP069800.D	18 Feb 2025 09:23		YP\AJ	Ok,M
3	AR1254CCC500	AR1254CCC500	PP069801.D	18 Feb 2025 09:39		YP\AJ	Ok,M
4	I.BLK	I.BLK	PP069802.D	18 Feb 2025 09:55		YP\AJ	Ok,M
5	Q1373-01DL	VB27161DL	PP069803.D	18 Feb 2025 10:12	AR1254 Hit	YP\AJ	Ok,M
6	Q1373-02DL	VDR25992DL	PP069804.D	18 Feb 2025 10:28	AR1254 Hit, Need further dilution	YP\AJ	Dilution
7	PB166749BL	PB166749BL	PP069805.D	18 Feb 2025 11:00		YP\AJ	Ok,M
8	PB166749BS	PB166749BS	PP069806.D	18 Feb 2025 11:17		YP\AJ	Ok,M
9	Q1377-01	K-1311	PP069807.D	18 Feb 2025 11:33	DCB high in 1st column and TCMX high in both column	YP\AJ	ReRun
10	AR1660CCC500	AR1660CCC500	PP069808.D	18 Feb 2025 12:38		YP\AJ	Ok,M
11	AR1242CCC500	AR1242CCC500	PP069809.D	18 Feb 2025 12:54		YP\AJ	Ok,M
12	AR1248CCC500	AR1248CCC500	PP069810.D	18 Feb 2025 13:10		YP\AJ	Ok,M
13	AR1254CCC500	AR1254CCC500	PP069811.D	18 Feb 2025 13:26		YP\AJ	Ok,M
14	I.BLK	I.BLK	PP069812.D	18 Feb 2025 13:43		YP\AJ	Ok,M
15	PB166750BL	PB166750BL	PP069813.D	18 Feb 2025 13:59	need cleanup	YP\AJ	Not Ok
16	PB166750BS	PB166750BS	PP069814.D	18 Feb 2025 14:15		YP\AJ	Ok,M
17	Q1378-01	1A-1B-1C 1985-STONE	PP069815.D	18 Feb 2025 14:32		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021825

Review By	yogesh	Review On	2/18/2025 3:40:07 PM		
Supervise By	Ankita	Supervise On	2/20/2025 12:28:06 PM		
SubDirectory	PP021825	HP Acquire Method		HP Processing Method	PP012825

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

18	Q1378-02	2A-2B-2C 1928 ROOF-	PP069816.D	18 Feb 2025 14:48		YP\AJ	Ok,M
19	Q1378-03	3A-3B-3C 1985 BUILD	PP069817.D	18 Feb 2025 15:04	DCB low in 1st column, Need Cleanup	YP\AJ	Not Ok
20	Q1379-01	1A-1B-1C-GRAY-CAUL	PP069818.D	18 Feb 2025 15:20	Need Cleanup	YP\AJ	Not Ok
21	Q1377-01RE	K-1311RE	PP069819.D	18 Feb 2025 15:36	TCMX high in both column, Check for cleanup	YP\AJ	Not Ok
22	Q1378-03	3A-3B-3C 1985 BUILD	PP069820.D	18 Feb 2025 16:41	DCB low in both column, Need Cleanup, Reanalysed sample	YP\AJ	Not Ok
23	AR1660CCC500	AR1660CCC500	PP069821.D	18 Feb 2025 17:46		YP\AJ	Ok,M
24	AR1242CCC500	AR1242CCC500	PP069822.D	18 Feb 2025 18:03		YP\AJ	Ok,M
25	AR1248CCC500	AR1248CCC500	PP069823.D	18 Feb 2025 18:19		YP\AJ	Ok,M
26	AR1254CCC500	AR1254CCC500	PP069824.D	18 Feb 2025 18:35		YP\AJ	Ok,M
27	I.BLK	I.BLK	PP069825.D	18 Feb 2025 18:51		YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021925

Review By	yogesh	Review On	2/19/2025 11:05:18 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:57:16 PM		
SubDirectory	PP021925	HP Acquire Method		HP Processing Method	PP012825

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP069826.D	19 Feb 2025 08:10		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP069827.D	19 Feb 2025 08:26		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP069828.D	19 Feb 2025 08:47		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP069829.D	19 Feb 2025 09:03		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP069830.D	19 Feb 2025 09:19		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP069831.D	19 Feb 2025 10:11		YP\AJ	Ok,M
7	PB166749BL	PB166749BL	PP069832.D	19 Feb 2025 10:28		YP\AJ	Ok,M
8	PB166750BL	PB166750BL	PP069833.D	19 Feb 2025 10:44		YP\AJ	Ok,M
9	Q1373-02DL2	VDR25992DL2	PP069834.D	19 Feb 2025 11:01	AR1254 Hit	YP\AJ	Ok,M
10	Q1379-01	1A-1B-1C-GRAY-CAUL	PP069835.D	19 Feb 2025 11:17	TCMX high in 1st column	YP\AJ	Ok,M
11	Q1378-03	3A-3B-3C 1985 BUILD	PP069836.D	19 Feb 2025 11:33	DCB high in 2nd column,	YP\AJ	Ok,M
12	PB166770BL	PB166770BL	PP069837.D	19 Feb 2025 13:00		YP\AJ	Ok,M
13	PB166770BS	PB166770BS	PP069838.D	19 Feb 2025 13:16		YP\AJ	Ok,M
14	Q1382-01	OU4-PCS-TC-01-02172	PP069839.D	19 Feb 2025 13:32		YP\AJ	Ok,M
15	Q1382-01MS	OU4-PCS-TC-01-02172	PP069840.D	19 Feb 2025 13:48	DCB high in 2nd column, TCMX high in both column	YP\AJ	Not Ok
16	Q1382-01MSD	OU4-PCS-TC-01-02172	PP069841.D	19 Feb 2025 14:05	will be reanalzyed with MSD	YP\AJ	Not Ok
17	AR1660CCC500	AR1660CCC500	PP069842.D	19 Feb 2025 15:10		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021925

Review By	yogesh	Review On	2/19/2025 11:05:18 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:57:16 PM		
SubDirectory	PP021925	HP Acquire Method		HP Processing Method	PP012825

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

18	AR1242CCC500	AR1242CCC500	PP069843.D	19 Feb 2025 15:42		YP\AJ	Ok,M
19	AR1248CCC500	AR1248CCC500	PP069844.D	19 Feb 2025 15:58		YP\AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP069845.D	19 Feb 2025 16:15		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP069846.D	19 Feb 2025 16:31		YP\AJ	Ok,M
22	Q1382-03	OU4-PCS-TC-02-02172	PP069847.D	19 Feb 2025 16:47	TCMX high in both column	YP\AJ	ReRun
23	Q1382-05	OU4-PCS-TC-03-02172	PP069848.D	19 Feb 2025 17:03	AR1254 Hit, TCMX high in both column	YP\AJ	ReRun
24	Q1382-07	OU4-PCS-TC-04-02172	PP069849.D	19 Feb 2025 17:19	TCMX high in both column	YP\AJ	ReRun
25	Q1382-09	OU4-PCS-TC-05-02172	PP069850.D	19 Feb 2025 17:36	TCMX high in both column, DCB high in 1st column	YP\AJ	Not Ok
26	Q1382-11	OU4-PCS-TC-06-02172	PP069851.D	19 Feb 2025 17:52	AR1254 Hit, TCMX high in both column,	YP\AJ	ReRun
27	Q1382-13	OU4-PCS-TC-07-02172	PP069852.D	19 Feb 2025 18:08	AR1254 Hit, TCMX high in 1st column	YP\AJ	Ok,M
28	Q1382-15	OU4-PCS-TC-08-02172	PP069853.D	19 Feb 2025 18:24		YP\AJ	Ok,M
29	Q1382-17	OU4-PCS-TC-09-02172	PP069854.D	19 Feb 2025 18:40		YP\AJ	Ok,M
30	Q1382-19	OU4-PCS-TC-10-02172	PP069855.D	19 Feb 2025 18:57	TCMX high in both column	YP\AJ	ReRun
31	Q1384-01	OR-03-021823025	PP069856.D	19 Feb 2025 19:13		YP\AJ	Ok
32	AR1660CCC500	AR1660CCC500	PP069857.D	19 Feb 2025 20:18		YP\AJ	Ok,M
33	AR1242CCC500	AR1242CCC500	PP069858.D	19 Feb 2025 20:50		YP\AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PP069859.D	19 Feb 2025 21:07		YP\AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PP069860.D	19 Feb 2025 21:23		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021925

Review By	yogesh	Review On	2/19/2025 11:05:18 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:57:16 PM		
SubDirectory	PP021925	HP Acquire Method		HP Processing Method	PP012825

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

36	I.BLK	I.BLK	PP069861.D	19 Feb 2025 21:39		YP\AJ	Ok,M
37	PB166774BL	PB166774BL	PP069862.D	19 Feb 2025 21:55		YP\AJ	Ok,M
38	PB166774BS	PB166774BS	PP069863.D	19 Feb 2025 22:11		YP\AJ	Ok,M
39	Q1385-01	ST-1	PP069864.D	19 Feb 2025 22:28		YP\AJ	Ok,M
40	Q1383-01	OU4-PCS-TC-11-02172	PP069865.D	19 Feb 2025 22:44	AR1254 Hit	YP\AJ	Ok,M
41	Q1383-01MS	OU4-PCS-TC-11-02172	PP069866.D	19 Feb 2025 23:00		YP\AJ	Ok,M
42	Q1383-01MSD	OU4-PCS-TC-11-02172	PP069867.D	19 Feb 2025 23:16	TCMX High in 1st column	YP\AJ	Ok,M
43	Q1383-03	OU4-PCS-TC-12-02172	PP069868.D	19 Feb 2025 23:33	AR1254 Hit, TCMX high in both column,	YP\AJ	ReRun
44	Q1383-05	OU4-PCS-TC-13-02172	PP069869.D	19 Feb 2025 23:49	TCMX high in both column	YP\AJ	ReRun
45	Q1383-07	OU4-PCS-TC-14-02172	PP069870.D	20 Feb 2025 00:05	AR1254 Hit, TCMX high in both column	YP\AJ	ReRun
46	Q1383-09	OU4-PCS-TC-15-02172	PP069871.D	20 Feb 2025 00:21	AR1254 Hit, TCMX high in both column	YP\AJ	ReRun
47	AR1660CCC500	AR1660CCC500	PP069872.D	20 Feb 2025 01:26		YP\AJ	Ok,M
48	AR1242CCC500	AR1242CCC500	PP069873.D	20 Feb 2025 01:58		YP\AJ	Ok,M
49	AR1248CCC500	AR1248CCC500	PP069874.D	20 Feb 2025 02:15		YP\AJ	Ok,M
50	AR1254CCC500	AR1254CCC500	PP069875.D	20 Feb 2025 02:31		YP\AJ	Ok,M
51	I.BLK	I.BLK	PP069876.D	20 Feb 2025 02:47		YP\AJ	Ok,M
52	Q1383-11	OU4-PCS-TC-16-02172	PP069877.D	20 Feb 2025 03:03	TCMX high in both column, DCB High in 1st column	YP\AJ	Not Ok
53	Q1383-13	OU4-PCS-TC-17-02172	PP069878.D	20 Feb 2025 03:20	TCMX high in both column	YP\AJ	ReRun

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021925

Review By	yogesh	Review On	2/19/2025 11:05:18 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:57:16 PM		
SubDirectory	PP021925	HP Acquire Method		HP Processing Method	PP012825

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

54	Q1383-15	OU4-PCS-TC-18-02172	PP069879.D	20 Feb 2025 03:36		YP\AJ	Ok,M
55	Q1383-17	OU4-PCS-TC-19-02172	PP069880.D	20 Feb 2025 03:52	TCMX high in both column	YP\AJ	ReRun
56	Q1383-19	OU4-PCS-TC-20-02172	PP069881.D	20 Feb 2025 04:08		YP\AJ	Ok,M
57	Q1383-21	OU4-CF-15-021725	PP069882.D	20 Feb 2025 04:24	TCMX high in both column	YP\AJ	ReRun
58	Q1377-01	K-1311	PP069883.D	20 Feb 2025 04:41	TCMX high in one column	YP\AJ	Ok,M
59	Q1378-03	3A-3B-3C 1985 BUILD	PP069884.D	20 Feb 2025 04:57	already analyzed	YP\AJ	Not Ok
60	AR1660CCC500	AR1660CCC500	PP069885.D	20 Feb 2025 06:02		YP\AJ	Ok,M
61	AR1242CCC500	AR1242CCC500	PP069886.D	20 Feb 2025 06:34		YP\AJ	Ok,M
62	AR1248CCC500	AR1248CCC500	PP069887.D	20 Feb 2025 06:50		YP\AJ	Ok,M
63	AR1254CCC500	AR1254CCC500	PP069888.D	20 Feb 2025 07:07		YP\AJ	Ok,M
64	I.BLK	I.BLK	PP069889.D	20 Feb 2025 07:23		YP\AJ	Ok,M
65	PB166785BL	PB166785BL	PP069890.D	20 Feb 2025 07:39		YP\AJ	Ok,M
66	PB166785BS	PB166785BS	PP069891.D	20 Feb 2025 07:55		YP\AJ	Ok,M
67	Q1389-01	BC271336-1-1	PP069892.D	20 Feb 2025 08:12	AR1254 Hit	YP\AJ	Ok,M
68	Q1389-02	BC271336-1-2	PP069893.D	20 Feb 2025 08:28	AR1254 Hit	YP\AJ	Ok,M
69	Q1389-03	BC271336-2-1	PP069894.D	20 Feb 2025 08:44		YP\AJ	Ok,M
70	Q1389-04	BC271336-2-2	PP069895.D	20 Feb 2025 09:00		YP\AJ	Ok,M
71	Q1391-01	HIH385R-1-1	PP069896.D	20 Feb 2025 09:16	AR1254 Hit	YP\AJ	Ok,M
72	Q1391-02	HIH385R-1-2	PP069897.D	20 Feb 2025 09:33		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP021925

Review By	yogesh	Review On	2/19/2025 11:05:18 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:57:16 PM		
SubDirectory	PP021925	HP Acquire Method		HP Processing Method	PP012825

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

73	AR1660CCC500	AR1660CCC500	PP069898.D	20 Feb 2025 10:38		YP\AJ	Ok,M
74	AR1254CCC500	AR1254CCC500	PP069899.D	20 Feb 2025 10:54		YP\AJ	Ok,M
75	I.BLK	I.BLK	PP069900.D	20 Feb 2025 11:10		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/18/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:15
In Date: 02/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 02/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLIDS-OVEN

QC: LB134736

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
Q1377-01	K-1311	1	1.00	1.00	2.00	2.00	100.0	OIL SAMPLE
Q1378-01	1A-1B-1C 1985-STONE-BAND	2	1.00	1.00	2.00	2.00	100.0	CAULK MATRIX
Q1378-02	2A-2B-2C 1928 ROOF-1	3	1.00	1.00	2.00	2.00	100.0	CAULK MATRIX
Q1378-03	3A-3B-3C 1985 BUILD	4	1.00	1.00	2.00	2.00	100.0	CAULK MATRIX
Q1379-01	1A-1B-1C-GRAY-CAULK	5	1.00	1.00	2.00	2.00	100.0	CAULK MATRIX

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

WORKLIST(Hardcopy Internal Chain)

VB 134736

WorkList Name : %1-021725 **WorkList ID :** 187722 **Department :** Wet-Chemistry **Date :** 02-17-2025 07:49:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1377-01	K-1311	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/17/2025	Chemtech -SO
Q1378-01	1A-1B-1C 1985-STONE-BAND	Solid	Percent Solids	Cool 4 deg C	ATCE02	D11	02/17/2025	Chemtech -SO
Q1378-02	2A-2B-2C 1928 ROOF-1	Solid	Percent Solids	Cool 4 deg C	ATCE02	D11	02/17/2025	Chemtech -SO
Q1378-03	3A-3B-3C 1985 BUILD	Solid	Percent Solids	Cool 4 deg C	ATCE02	D11	02/17/2025	Chemtech -SO
Q1379-01	1A-1B-1C-GRAY-CAULK	Solid	Percent Solids	Cool 4 deg C	ATCE02	D11	02/17/2025	Chemtech -SO

Date/Time 02/17/25 15:00

Raw Sample Received by: TB WDC,

Raw Sample Relinquished by: [illegible]

Date/Time 02/17/25 16:30

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: TB WDC,

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166750

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	02/18/2025
Matrix :	Solid			**Extraction Start Time :**	08:08
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	02/18/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:10
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

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	PP24093
Surrogate	1.0ML	200 PPB	PP24123
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	EP2583
Baked Na2SO4	N/A	EP2589
Sand	N/A	E2865
Hexane	N/A	E3877
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.No MS/MSD Performed as samples are Caulk matrix with Limited volume recd.

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/18/25	RP (Ext. Lab)	Y. Pestips.
11:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166750

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 02/18/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166750BL	ABLK750	PCB Group1	30.01	N/A	ritesh	Evelyn	10			U2-1
PB166750BS	ALCS750	PCB Group1	30.02	N/A	ritesh	Evelyn	10			2
Q1378-01	1A-1B-1C 1985-STONE-BAND	PCB Group1	5.98	N/A	ritesh	Evelyn	10		Caulk Mat.	3
Q1378-02	2A-2B-2C 1928 ROOF-1	PCB Group1	1.77	N/A	ritesh	Evelyn	10		Caulk Mat.	4
Q1378-03	3A-3B-3C 1985 BUILD	PCB Group1	1.61	N/A	ritesh	Evelyn	10		Caulk Mat.	5
Q1379-01	1A-1B-1C-GRAY-CAULK	PCB Group1	1.39	N/A	ritesh	Evelyn	10		Caulk Mat.	6

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

2/18/25

Caulk
1A-1B-1C
RJ
2/19

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1377 **WorkList ID :** 187739 **Department :** Extraction **Date :** 02-18-2025 08:03:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1377-01	K-1311	Solid	PCB	Cool 4 deg C	PSEG03	N41	02/17/2025	8082A
Q1378-01	1A-1B-1C 1985-STONE-BAND	Solid	PCB Group1	Cool 4 deg C	ATCE02	D11	02/17/2025	8082A
Q1378-02	2A-2B-2C 1928 ROOF-1	Solid	PCB Group1	Cool 4 deg C	ATCE02	D11	02/17/2025	8082A
Q1378-03	3A-3B-3C 1985 BUILD	Solid	PCB Group1	Cool 4 deg C	ATCE02	D11	02/17/2025	8082A
Q1379-01	1A-1B-1C-GRAY-CAULK	Solid	PCB Group1	Cool 4 deg C	ATCE02	D11	02/17/2025	8082A

Date/Time 02/18/25 8:05
Raw Sample Received by: RJ (Sof labs)
Raw Sample Relinquished by:

Date/Time 02/18/25 8:25
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Sof labs)

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Prep Standard - Chemical Standard Summary

Order ID : Q1378

Test : PCB Group1

Prepbatch ID : PB166750,

Sequence ID/Qc Batch ID: PP021825,PP021925,

Standard ID :

EP2565,EP2583,EP2589,PP23733,PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775,PP23776,PP23777,PP23778,PP23779,PP23780,PP23781,PP23782,PP23783,PP23784,PP23785,PP23786,PP23787,PP23788,PP23789,PP23790,PP23946,PP23947,PP24093,PP24123,

Chemical ID :

E2865,E3551,E3804,E3805,E3825,E3843,E3846,E3872,E3873,E3877,M5173,P10483,P10500,P 11507,P11512,P11521,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12947,P12957,P13033,P13350,P13353,P13372,W 3112,

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Extractions STANDARD PREPARATION LOG

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

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2583	02/04/2025	07/29/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 02/04/2025

FROM 8000.00000ml of E3872 + 8000.00000ml of E3873 = Final Quantity: 8000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2589	02/14/2025	07/01/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 02/14/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP23733	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
202	AR1660 1000/100 ppb working solution 1st source	PP23735	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P10483 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
203	AR1660 750 PPB STD	PP23736	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23735 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
204	AR1660 500 PPB STD	PP23737	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23735 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
205	AR1660 250 PPB STD	PP23738	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23735 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
206	AR1660 50 PPB STD	PP23739	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23737 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
213	AR1221 1000 PPB WORKING SOLUTION	PP23740	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P11581 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1079	AR1221 750 PPB STD	PP23741	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23740 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
222	AR1221 500 PPB STD	PP23742	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23740 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1080	AR1221 250 PPB STD	PP23743	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23740 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1081	AR1221 50 PPB STD	PP23744	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23742 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
214	AR1232 1000 PPB WORKING SOLUTION	PP23745	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P11587 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1063	AR1232 750 PPB STD	PP23747	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23745 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
223	AR1232 500 PPB STD	PP23748	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23745 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1064	AR1232 250 PPB STD	PP23749	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23745 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1065	AR1232 50 PPB STD	PP23750	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23748 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
215	AR1242 1000 PPB WORKING STD	PP23751	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P12929 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1067	AR1242 750 PPB STD	PP23752	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23751 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
224	AR1242 500 PPB STD	PP23753	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23751 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1068	AR1242 250 PPB STD	PP23754	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23751 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1069	AR1242 50 PPB STD	PP23755	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23753 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
216	AR1248 1000 PPB WORKING STD	PP23756	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P12934 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1075	AR1248 750 PPB STD	PP23757	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23756 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
225	AR1248 500 PPB STD	PP23758	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23756 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1076	AR1248 250 PPB STD	PP23759	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23756 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1077	AR1248 50 PPB STD	PP23760	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23758 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
217	AR1254 1000 PPB WORKING STD	PP23761	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P11590 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1071	AR1254 750 PPB STD	PP23762	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23761 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
226	AR1254 500 PPB STD	PP23763	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23761 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1072	AR1254 250 PPB STD	PP23764	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23761 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1073	AR1254 50 PPB STD	PP23765	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23763 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1529	AR1262 1000 PPB Working Solution	PP23766	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P10500 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3753	AR1262 750 PPB STD	PP23767	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23766 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1530	AR1262 500 PPB STD	PP23768	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23766 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3754	AR1262 250 PPB STD	PP23769	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23766 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3755	AR1262 50 PPB STD	PP23770	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23768 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1532	AR1268 1000 PPB Working Solution	PP23771	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P11597 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3820	AR1268 750 PPB STD	PP23772	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23771 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1533	AR1268 500 PPB STD	PP23773	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23771 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3821	AR1268 250 PPB STD	PP23774	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23771 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3822	AR1268 50 PPB STD	PP23775	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23773 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
404	AR1660 100 PPM Stock Solution 2nd Source	PP23776	10/03/2024	04/01/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P12947 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
405	AR1660 1000/100 PPB ICV STD	PP23777	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 98.50000ml of E3805 + 0.50000ml of PP23733 + 1.00000ml of PP23776 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
406	AR1660 500 PPB ICV	PP23778	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23777 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP23779	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P13372 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3790	AR1221 500 PPB ICV(AGILENT)	PP23780	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23779 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP23781	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P12698 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP23782	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P11507 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1888	AR1232 500 PPB ICV	PP23783	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23781 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1891	AR1242 500 PPB ICV	PP23784	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23782 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP23785	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P11512 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1892	AR1248 500 PPB ICV	PP23786	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23785 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1893	AR1254 1000 PPB Working Sol. 2nd Source	PP23787	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P12957 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1894	AR1254 500 PPB ICV	PP23788	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23787 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3757	AR1262 1000 PPB Working Solution second source	PP23789	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.10000ml of P13033 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3758	AR1262 500 PPB STD ICV	PP23790	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23789 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3817	AR1268 1000 ppb Working Soln. 2nd source	PP23946	11/07/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 11/13/2024

FROM 1.00000ml of P11521 + 98.50000ml of E3825 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3823	AR1268 500 PPB STD ICV	PP23947	11/07/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 11/13/2024

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24093	12/20/2024	04/03/2025	Ankita Jodhani	None	None	Yogesh Patel 01/16/2025

FROM 0.50000ml of P12947 + 99.50000ml of E3843 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP24123	01/20/2025	06/26/2025	Abdul Mirza	None	None	Ankita Jodhani 01/20/2025

FROM 1.00000ml of P13353 + 999.00000ml of E3846 = Final Quantity: 1000.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

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

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	11/06/2025	11/06/2024 / Rajesh	11/01/2024 / Rajesh	E3825

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/05/2025	12/05/2024 / Rajesh	12/05/2024 / Rajesh	E3843

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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	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

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	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3872

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	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

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

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

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	05/07/2025	11/07/2024 / Ankita	02/21/2022 / Ankita	P11521

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0175456	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11581

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0173309	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11587

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0175403	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11590

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0181782	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11597

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	91867 / Aroclor 1232 100 ug/mL	020823	04/03/2025	10/03/2024 / Ankita	08/07/2023 / Ankita	P12698

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

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

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

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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.	/ Arochlor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	07/20/2025	01/20/2025 / Abdul	04/22/2024 / Abdul	P13353

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	04/03/2025	10/03/2024 / Ankita	05/02/2024 / Ankita	P13372

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

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

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

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

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

E 2865

James T Ethier

Jamie Ethier
Vice President Global Quality

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

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

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

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

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

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

Acetone
CMOS

avantor™ | J.T.Baker®

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

Certificate of Analysis

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

>>> Continued on page 2 >>>

Recd by RP on 9/25/24

E 3804

Acetone
CMOS

avantor™ | J.T.Baker®

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

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

>>> Continued on page 3 >>>

Acetone
CMOS

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

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

avantor™ | J.T.Baker®

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

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) – Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

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

Recd. by RP on 9/25/24

E3805

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

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

avantor™ | J.T.Baker®

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

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

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

E3825

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

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

Certificate of Analysis

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

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

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

Recd. by RP on 12/5/24

E 3843

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

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

Certificate of Analysis

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

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

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

Recd by RP on 12/13/24

E 3846

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

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

avantor™ | J.T.Baker®

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

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

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

Recd by RP on 1/29/25

E3872

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

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

Certificate of Analysis

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

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

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

Recd. by RP on 1/29/25

E 3873

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

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

Certificate of Analysis

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

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

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

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

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

Recd by RP on 2/12/25

E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

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

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

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

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.189
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	< 1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

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

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

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

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

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

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

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

www.restek.com

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

Description : Aroclor® 1016/1260 Mix

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

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

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

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

CERTIFIED VALUES

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

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

P10476
&
P10480

AR
02/19/21

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

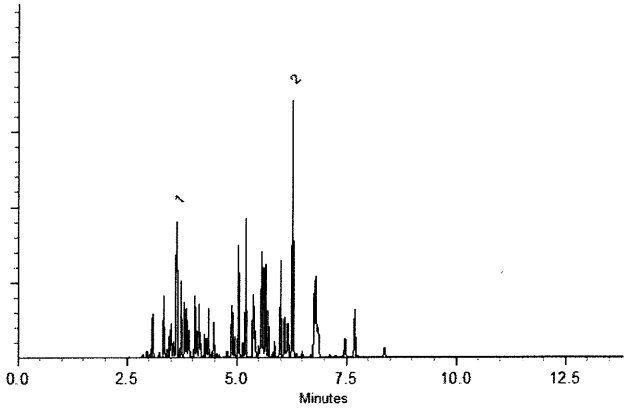
Carrier Gas:
helium-constant pressure 20 psi.

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

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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

Tom Suckar - Mix Technician

Date Mixed: 03-Aug-2020 **Balance:** B442140311

Justine Albertson - Operations Tech-ARM QC

Date Passed: 05-Aug-2020

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

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
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Certificate of Analysis

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Certificate #3222.01

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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.:** A0167722

Description : Aroclor® 1262 Standard

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

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

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

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

CERTIFIED VALUES

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

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

P10496
J
P10500

AJ
09/19/21

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

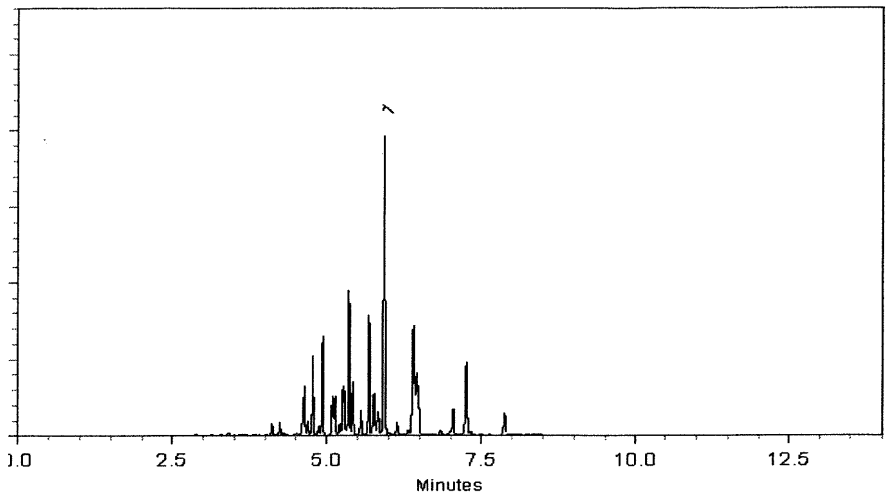
Carrier Gas:
helium-constant pressure 20 psi.

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

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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

Sam Moodler - Operations Tech I

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

Marlina Cowan - Operations Tech I

Date Passed: 05-Jan-2021

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

ISO 17034

Agilent
Trusted Answers

Reference Material Certificate

Product Name:	Aroclor 1242 Standard	**Lot Number:**	0006665550
Product Number:	PP-312-1	**Lot Issue Date:**	08-Feb-2022
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	31-Jan-2027

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

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

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

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

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

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

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

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

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

P11533 + P11537

AJ 02/21/22

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

Sample lot approver:

Monica Bourgeois
QMS Representative

ISO 17034

Agilent
Trusted Answers

Reference Material Certificate

Product Name:	Aroclor 1248 Standard	**Lot Number:**	0006626997
Product Number:	PP-342-1	**Lot Issue Date:**	17-Aug-2021
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2025

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

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

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

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

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

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

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

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

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

P11508 ↓ P11512 AJ 12/21/22

Maintenance of Certification:
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

P11518 ↓ P11522 AJ 02/21/22

Agilent

Certificate of Analysis

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1 **Lot Issue Date:** 09-Feb-2021

Lot Number: 0006587800 **Expiration Date:** 31-Mar-2029

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

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

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

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

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

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

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

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

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

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

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

Sample lot approver:

M Bourgeois

Monica Bourgeois
QMS Representative

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ISO 17034 Cert No. AR-1936

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

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

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

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

Description : Aroclor® 1221 Standard

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

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

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

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

CERTIFIED VALUES

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

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

P 11578 ↓ P 11582 (S)

AR 04/30/22

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

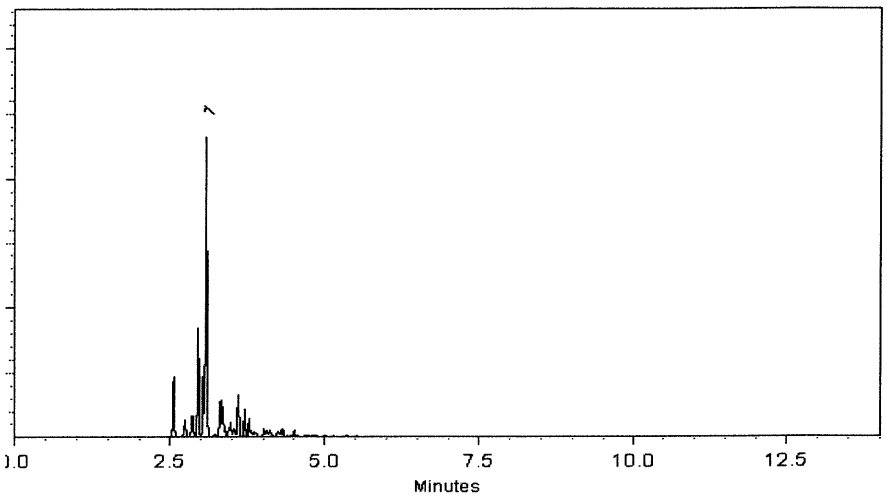
Carrier Gas:
helium-constant pressure 20 psi.

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

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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

Sam Moodler - Operations Tech I

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

Marlina Cowan - Operations Tech I

Date Passed: 18-Aug-2021

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

P11578 ↓ P11582 (5)

AR 04/30/22

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

Catalog No. : 32008 **Lot No.:** A0173309

Description : Aroclor® 1232 Standard

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

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

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

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

CERTIFIED VALUES

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

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

P11583 ↓ P11597 (S)

AR 04/30/22

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

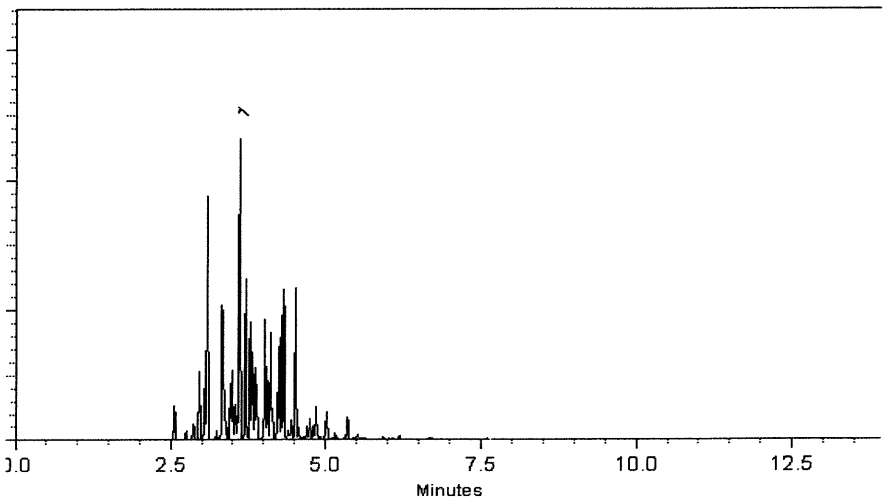
Carrier Gas:
helium-constant pressure 20 psi.

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

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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

Sam Moodler - Operations Tech I

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

Alexis Shelow - Operations Tech I

Date Passed: 16-Jun-2021

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

P11583 ↓ P11587 | (5)

AR 04/30/22

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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)

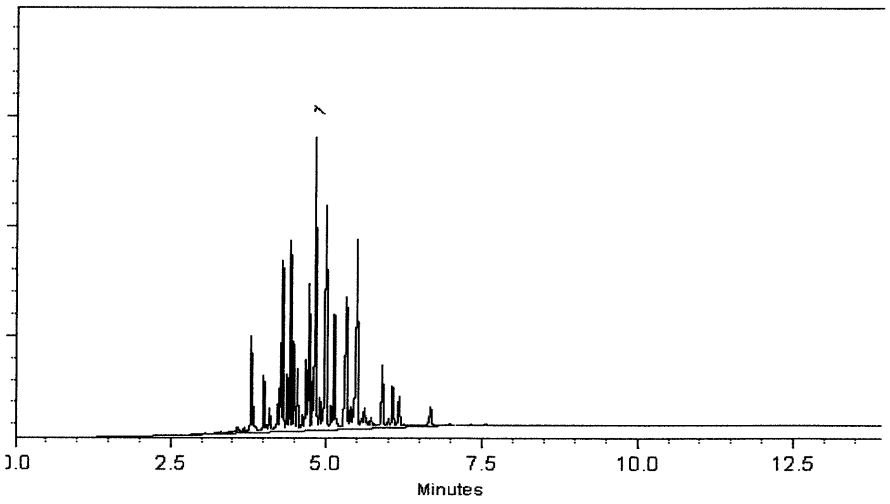
Carrier Gas:
helium-constant pressure 20 psi.

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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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.:** A0181782

Description : Aroclor® 1268 Standard

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

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

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

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

CERTIFIED VALUES

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

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

P 11593 (5)
↓
P 11597

AR 04/30/2022

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

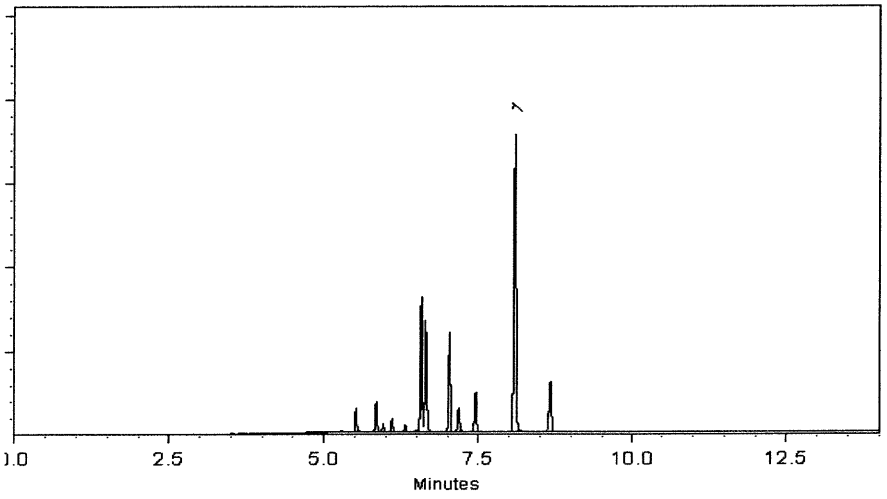
Carrier Gas:
helium-constant pressure 20 psi.

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

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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

Penelope Riglin - Operations Tech I

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

Clara Windle - Operations Technician I

Date Passed: 17-Feb-2022

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

P 11593 (5)
↓
P 11597
04/30/2022

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Certified Refere

CERTIFIED WEIGHT REPORT

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

Solvent(
Aceton

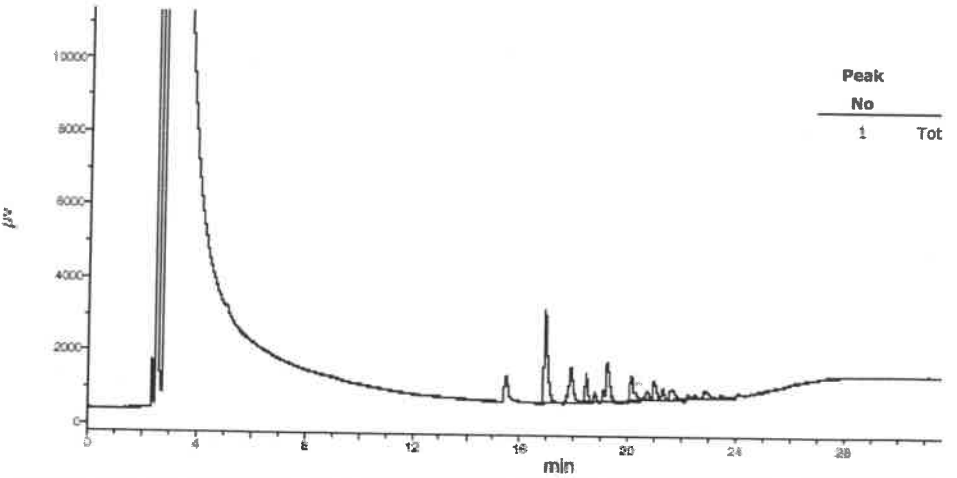
5E-05 Balance Uncertainty
0.057 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0

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

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

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



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Aroclor® 1242 Standard

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

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

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

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

P12928
↓
P12932
AJ
12/07/23

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

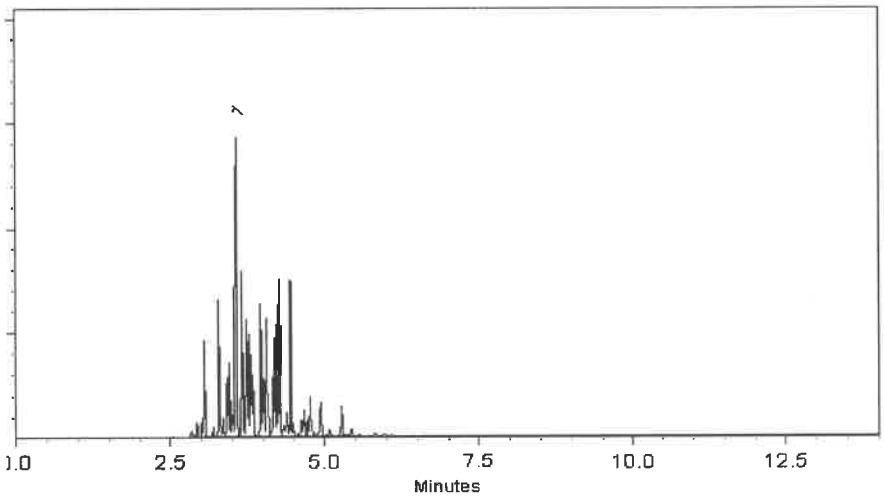
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



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

Russ Bookhamer - Operations Technician I

Date Mixed: 26-Oct-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Nov-2023

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

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

P12933 ↓ P12937 AJ 12/07/23

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

Description : Aroclor® 1248 Standard

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

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

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

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

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

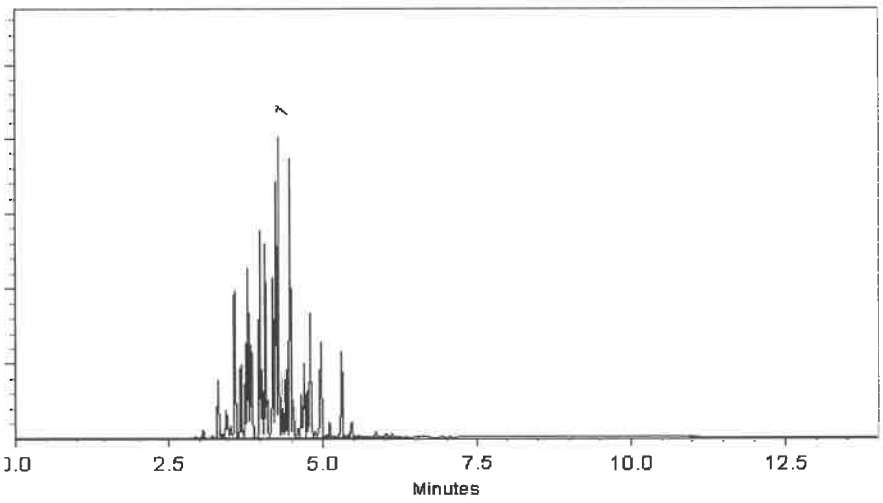
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



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

Laith Clemente - Operations Technician I **Date Mixed:** 03-Oct-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 09-Oct-2023

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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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

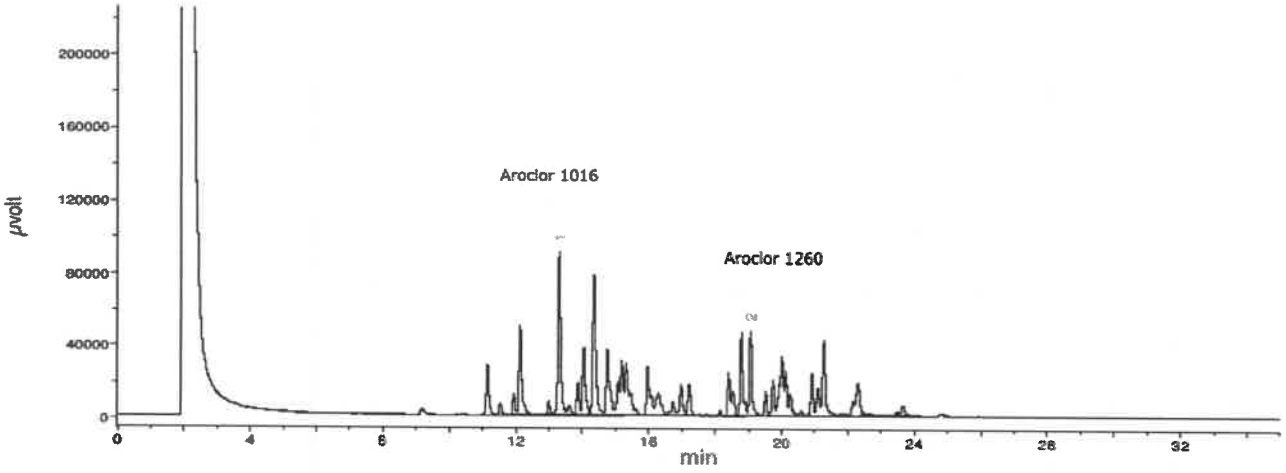
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

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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www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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

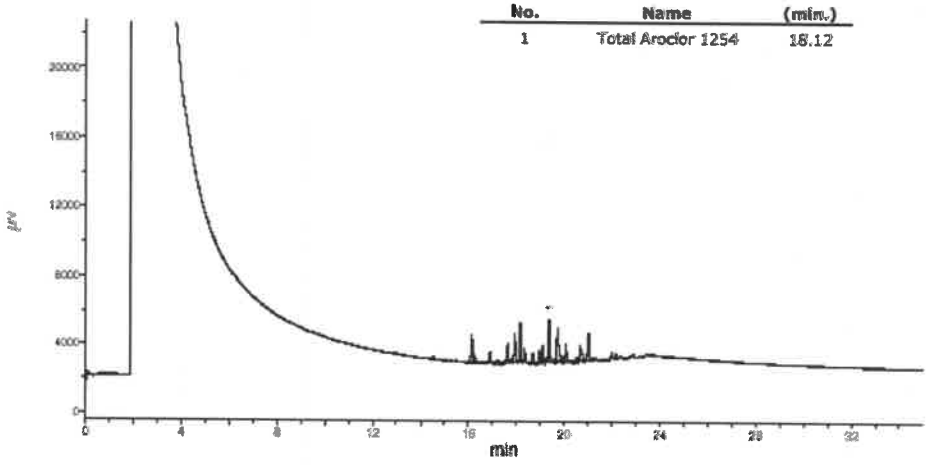
Note: Aroclor 1254 is a mix of isomers.

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



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 90165
Lot Number: 112322
Description: Aroclor 1262

Solvent(s): Hexane **Lot#** 273615

Expiration Date: 112332
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 50.0 ± 0.005 Flask Uncertainty

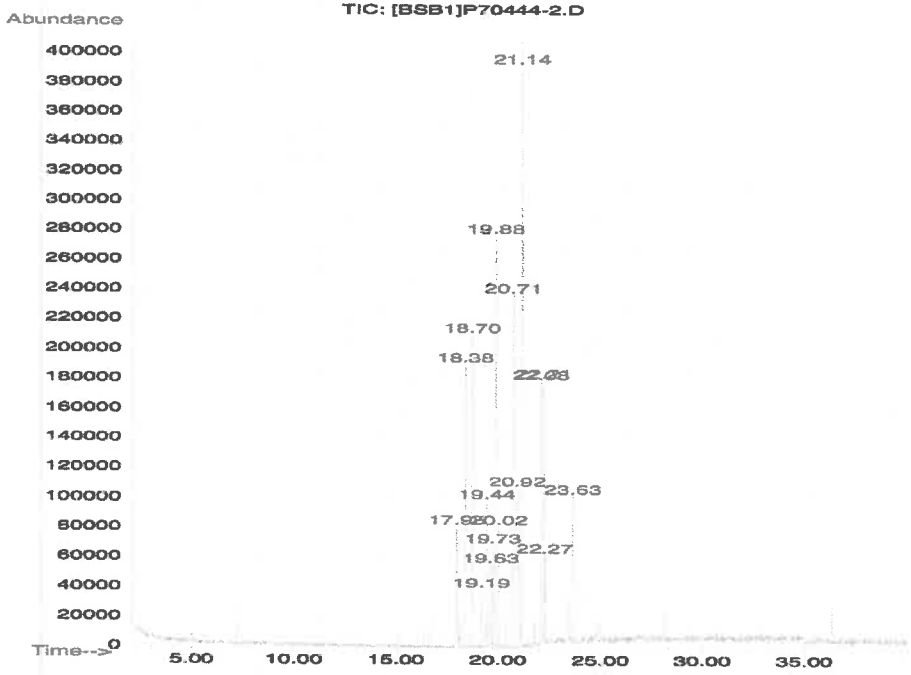
5E-05 Balance Uncertainty

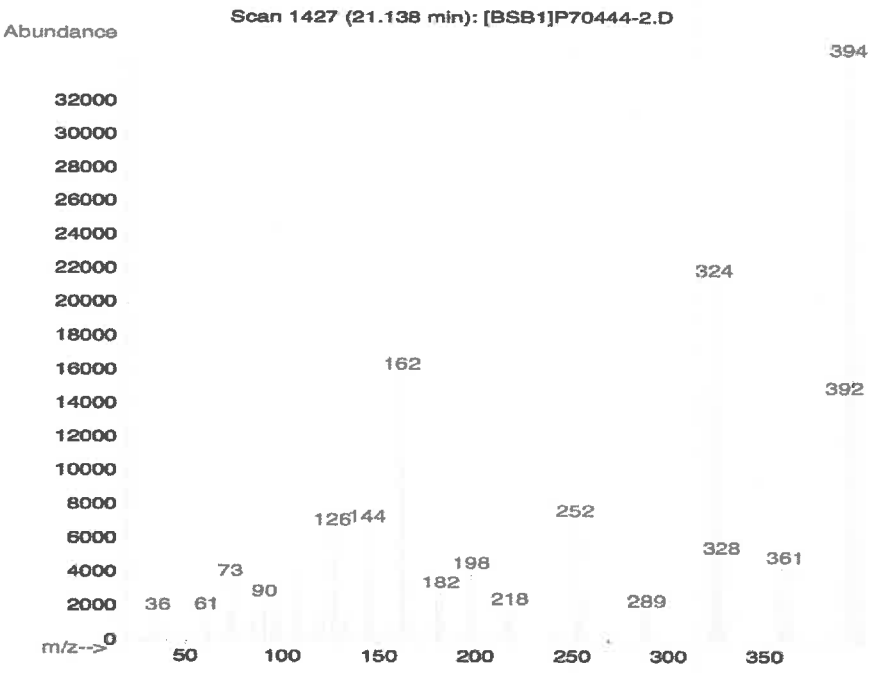
Formulated By:	Prashant Chauhan	112322 DATE
Reviewed By:	Pedro L. Rentas	112322 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1262	444	W-130-05	1000	100	0.2	0.05003	0.05016	1002.7	4.5	37324-23-5	N/A	orl-rat 11300mg/kg

Method GC7MSD-7.M: Column:(30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (0min.), Temp 2 = 290°C (12.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C.

P13032 2 P13033 Y.P. 12/21/23





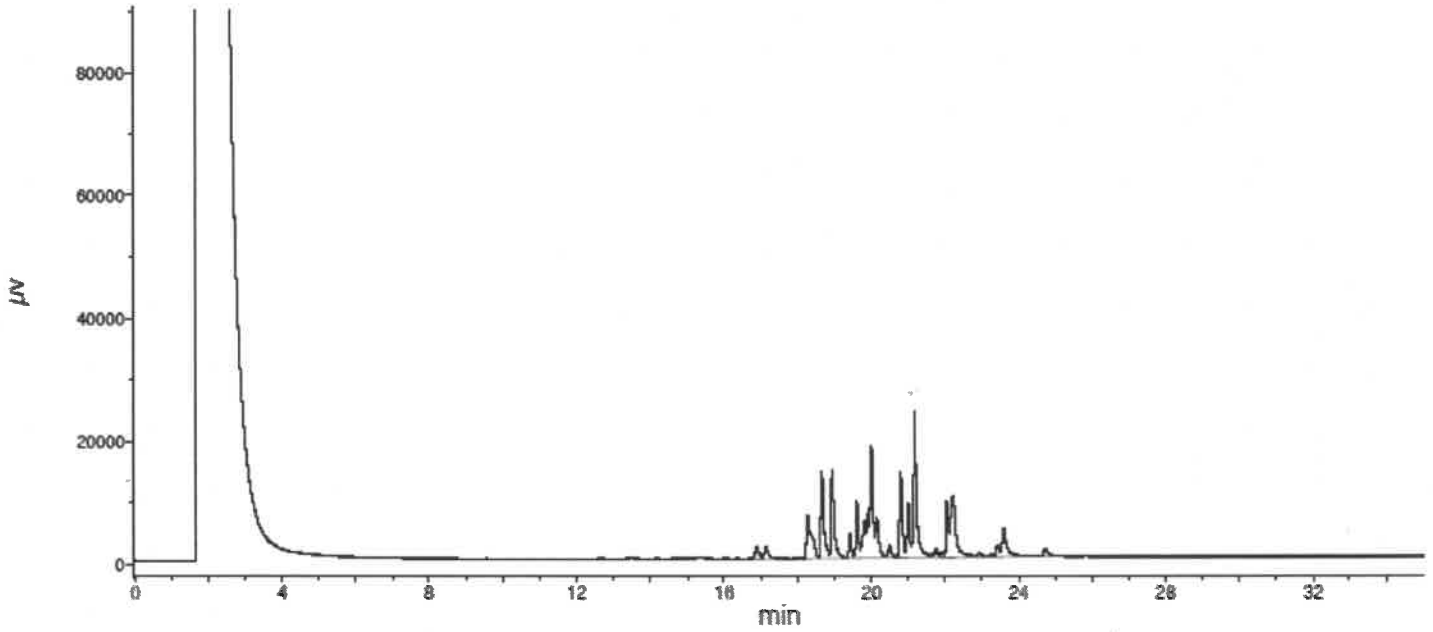
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value,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

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

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

Comments

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



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.

P13348 ↓ P13357 (10)

04/25/2024

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

Description : Pesticide Surrogate Mix

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

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

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

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

CERTIFIED VALUES

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

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hellum-constant pressure 20 psi.

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

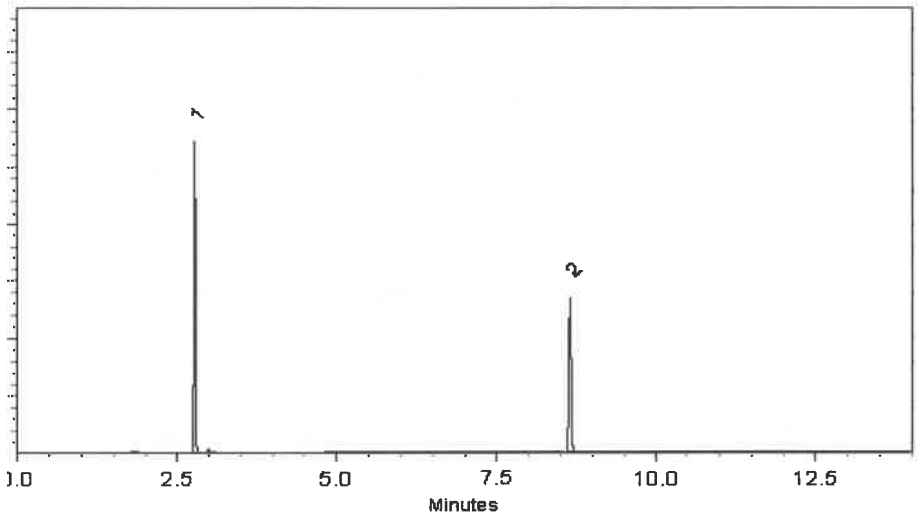
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P13348 (10)

↓

P13357

04/25/2025

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

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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P13348 ↓ P13357 (10)

04/25/2024

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

Description : Pesticide Surrogate Mix

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

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

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

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

CERTIFIED VALUES

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

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hellum-constant pressure 20 psi.

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

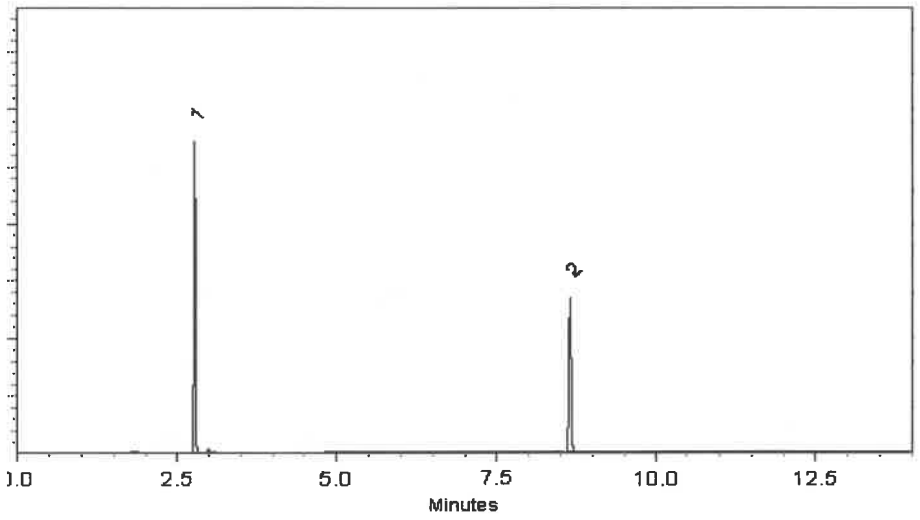
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P13348 (10)

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P13357

04/25/2025

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Aroclor 1221 Standard	**Lot Number:**	0006783205
Product Number:	PP-292-1	**Lot Issue Date:**	20-Feb-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	31-Mar-2032

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
Aroclor 1221	100.3	±	0.5 µg/mL	011104-28-2	NT01017

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

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

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

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

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

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

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

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

P133f2
↓
P133f3

AJ
05106124

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

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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

ANAB ANSI National Accreditation Board ACCREDITED REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

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

www.agilent.com/quality/

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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

Chemtech Project Number: 21378
COC Number:

CLIENT INFORMATION

Report to be sent to:
COMPANY: ATC Group Services
ADDRESS: 104 E 25th Street
CITY: NY STATE: NY ZIP: 10010
ATTENTION: Olga Selchinen
PHONE: 646-812-8357 FAX:

PROJECT INFORMATION

PROJECT NAME: RJ 29 Queens
PROJECT #: 20225EA425 LOCATION:
PROJECT MANAGER: Olga Selchinen
E-MAIL: olga.selchinen@atcgroupna.com
PHONE: 646-812-8357 FAX:

BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 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 TOTAL PCB
2 TOTAL PCB
3 TOTAL PCB
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	1A1B1C 1985 Brick cavity - Stone band	caulk	✓		2/7/25	10⁰⁰											
2.	2A2B2C 1928 Roof #1 Brick wall Caulk	caulk	✓		2/7/25	10³⁰											
3.	3A3B3C 1985 Brick wall dark gray window caulk	caulk	✓		2/7/25	11⁰⁰											
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES: <—Specify Preservatives
A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER

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

	RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	Olga Selchinen	2/14/25 3:M	
2.		2-17-25 1330	
3.			

	RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
1.			
2.			
3.			

Conditions of bottles or coilers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP
Comments: 2 Coolers #1

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other:
CHEMTECH: ☐ Picked Up

Shipment Complete ☐ YES ☐ NO

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

Alliance Technical Group, LLC - Newark 284 Sheffield Street Mountainside, NJ 07092

Laboratory Composite Sample log

Lab Project number: Q1378- Date: 2-17-25

Client Name: ATC Group Services LLC Client Project Name : P.S. 29 Queens-2022SCA425

Instructions: Composite Samples (3:1)

Sample Custodian: C. Peña

Client Sample ID	Weigh /Volume used	New ID	Sample Description	Sample Composite time	Comments
1985-1A-Stone-Band	2.02g	1A-1B-1C Stone-Band 1985-	Caulk Matrix	14:25	Total weight (6.06g / 1.47cf) QR
1985-1B-Stone-Band	2.03g				
1985-1C-Stone-Band	2.01g				
1928-2A-ROOF-1	0.62g	2A-2B-2C 1928-ROOF-1	Caulk Matrix	14:28	Total weight (1.87g)
1928-2B-ROOF-1	0.64g				
1928-2C-ROOF-1	0.61g				
1985-3A-Build	0.57g	1985-3A-3B-3C-Build	Caulk Matrix	14:33	Total weight (1.64g)
1985-3B-Build	0.54g				
1985-3C-Build	0.53g				

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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488