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

Cover Page

Order ID : Q2032

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q2032-01	TP-11
Q2032-02	TP-29
Q2032-03	TP-29-99
Q2032-04	TP-24
Q2032-05	Q2032-04MS
Q2032-06	Q2032-04MSD
Q2032-07	TP-37
Q2032-08	TP-32
Q2032-09	COMP-1
Q2032-11	FB-05132025
Q2032-12	TB

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

Signature : _____

Date: 5/21/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2032**

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

QA Review Signature: **PRADIP PRAJAPATI** **Date:** **05/21/2025**

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

LAB CHRONICLE

OrderID:	Q2032	**OrderDate:**	5/13/2025 4:01:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2032-01	**TP-11**	**SOIL**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/16/25	
			PCB	8082A		05/16/25	05/16/25	
Q2032-02	**TP-29**	**SOIL**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/15/25	
			PCB	8082A		05/16/25	05/16/25	
Q2032-03	**TP-29-99**	**SOIL**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/16/25	
			PCB	8082A		05/16/25	05/16/25	
Q2032-04	**TP-24**	**SOIL**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/15/25	
			PCB	8082A		05/16/25	05/16/25	
			Pesticide-TCL	8081B		05/16/25	05/16/25	
Q2032-07	**TP-37**	**SOIL**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/16/25	
			PCB	8082A		05/16/25	05/16/25	
Q2032-08	**TP-32**	**SOIL**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/16/25	
			PCB	8082A		05/16/25	05/16/25	
Q2032-11	**FB-05132025**	**Water**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/14/25	
			PCB	8082A		05/14/25	05/15/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2032 **Order ID:** Q2032

Client: CDM Smith **Project ID:** South River WM Replacement

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,
Fax : 908 789 8922

Surrogate Summary

SDG No.: Q2032

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO111057.D	PIBLK-PO111057.D	Tetrachloro-m-xylene	1	20	16.4	82		60	140
		Decachlorobiphenyl	1	20	17.5	87		60	140
		Tetrachloro-m-xylene	2	20	15.4	77		60	140
		Decachlorobiphenyl	2	20	17.9	90		60	140
I.BLK-PO111132.D	PIBLK-PO111132.D	Tetrachloro-m-xylene	1	20	17.5	88		60	140
		Decachlorobiphenyl	1	20	18.0	90		60	140
		Tetrachloro-m-xylene	2	20	16.0	80		60	140
		Decachlorobiphenyl	2	20	17.6	88		60	140
PB168039BS	PB168039BS	Tetrachloro-m-xylene	1	20	18.7	93		32	144
		Decachlorobiphenyl	1	20	20.5	103		32	175
		Tetrachloro-m-xylene	2	20	17.1	86		32	144
		Decachlorobiphenyl	2	20	20.1	100		32	175
Q2032-02	TP-29	Tetrachloro-m-xylene	1	20	21.9	109		32	144
		Decachlorobiphenyl	1	20	14.7	73		32	175
		Tetrachloro-m-xylene	2	20	19.9	100		32	144
		Decachlorobiphenyl	2	20	14.9	74		32	175
Q2032-03	TP-29-99	Tetrachloro-m-xylene	1	20	22.4	112		32	144
		Decachlorobiphenyl	1	20	16.1	81		32	175
		Tetrachloro-m-xylene	2	20	20.5	103		32	144
		Decachlorobiphenyl	2	20	16.1	81		32	175
Q2032-04	TP-24	Tetrachloro-m-xylene	1	20	21.1	106		32	144
		Decachlorobiphenyl	1	20	15.7	78		32	175
		Tetrachloro-m-xylene	2	20	18.7	93		32	144
		Decachlorobiphenyl	2	20	16.0	80		32	175
Q2032-05MS	TP-24MS	Tetrachloro-m-xylene	1	20	20.1	100		32	144
		Decachlorobiphenyl	1	20	18.0	90		32	175
		Tetrachloro-m-xylene	2	20	18.6	93		32	144
		Decachlorobiphenyl	2	20	18.6	93		32	175
Q2032-06MSD	TP-24MSD	Tetrachloro-m-xylene	1	20	17.7	89		32	144
		Decachlorobiphenyl	1	20	15.9	79		32	175
		Tetrachloro-m-xylene	2	20	16.5	82		32	144
		Decachlorobiphenyl	2	20	15.9	80		32	175
Q2032-07	TP-37	Tetrachloro-m-xylene	1	20	18.8	94		32	144
		Decachlorobiphenyl	1	20	12.5	62		32	175
		Tetrachloro-m-xylene	2	20	17.1	86		32	144
		Decachlorobiphenyl	2	20	13.0	65		32	175
Q2032-08	TP-32	Tetrachloro-m-xylene	1	20	22.5	112		32	144
		Decachlorobiphenyl	1	20	15.3	76		32	175
		Tetrachloro-m-xylene	2	20	20.7	104		32	144
		Decachlorobiphenyl	2	20	15.5	77		32	175
I.BLK-PO111147.D	PIBLK-PO111147.D	Tetrachloro-m-xylene	1	20	17.8	89		60	140

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

Surrogate Summary

SDG No.: Q2032

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO111147.D	PIBLK-PO111147.D	Decachlorobiphenyl	1	20	18.1	90		60	140
		Tetrachloro-m-xylene	2	20	16.2	81		60	140
		Decachlorobiphenyl	2	20	17.6	88		60	140
PB168039BL	PB168039BL	Tetrachloro-m-xylene	1	20	19.8	99		32	144
		Decachlorobiphenyl	1	20	15.8	79		32	175
		Tetrachloro-m-xylene	2	20	17.4	87		32	144
		Decachlorobiphenyl	2	20	17.7	89		32	175
Q2032-01	TP-11	Tetrachloro-m-xylene	1	20	17.4	87		32	144
		Decachlorobiphenyl	1	20	10.8	54		32	175
		Tetrachloro-m-xylene	2	20	15.9	80		32	144
		Decachlorobiphenyl	2	20	11.6	58		32	175
I.BLK-PO111161.D	PIBLK-PO111161.D	Tetrachloro-m-xylene	1	20	18.1	90		60	140
		Decachlorobiphenyl	1	20	17.7	89		60	140
		Tetrachloro-m-xylene	2	20	16.5	83		60	140
		Decachlorobiphenyl	2	20	17.4	87		60	140
I.BLK-PP071388.D	PIBLK-PP071388.D	Tetrachloro-m-xylene	1	20	17.1	85		60	140
		Decachlorobiphenyl	1	20	17.6	88		60	140
		Tetrachloro-m-xylene	2	20	17.2	86		60	140
		Decachlorobiphenyl	2	20	17.6	88		60	140
I.BLK-PP072080.D	PIBLK-PP072080.D	Tetrachloro-m-xylene	1	20	16.7	83		60	140
		Decachlorobiphenyl	1	20	18.4	92		60	140
		Tetrachloro-m-xylene	2	20	19.4	97		60	140
		Decachlorobiphenyl	2	20	20.9	104		60	140
PB168005BL	PB168005BL	Tetrachloro-m-xylene	1	20	18.9	94		16	158
		Decachlorobiphenyl	1	20	19.6	98		10	173
		Tetrachloro-m-xylene	2	20	21.0	105		16	158
		Decachlorobiphenyl	2	20	21.9	109		10	173
PB168005BS	PB168005BS	Tetrachloro-m-xylene	1	20	19.4	97		16	158
		Decachlorobiphenyl	1	20	20.7	103		10	173
		Tetrachloro-m-xylene	2	20	21.2	106		16	158
		Decachlorobiphenyl	2	20	23.0	115		10	173
PB168005BSD	PB168005BSD	Tetrachloro-m-xylene	1	20	19.2	96		16	158
		Decachlorobiphenyl	1	20	20.5	103		10	173
		Tetrachloro-m-xylene	2	20	21.0	105		16	158
		Decachlorobiphenyl	2	20	23.4	117		10	173
I.BLK-PP072095.D	PIBLK-PP072095.D	Tetrachloro-m-xylene	1	20	16.9	85		60	140
		Decachlorobiphenyl	1	20	17.9	90		60	140
		Tetrachloro-m-xylene	2	20	19.2	96		60	140
		Decachlorobiphenyl	2	20	21.0	105		60	140
I.BLK-PP072101.D	PIBLK-PP072101.D	Tetrachloro-m-xylene	1	20	17.1	85		60	140
		Decachlorobiphenyl	1	20	18.3	91		60	140

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

Surrogate Summary

SDG No.: Q2032

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP072101.D	PIBLK-PP072101.D	Tetrachloro-m-xylene	2	20	19.0	95		60	140
		Decachlorobiphenyl	2	20	22.2	111		60	140
Q2032-11	FB-05132025	Tetrachloro-m-xylene	1	20	21.2	106		16	158
		Decachlorobiphenyl	1	20	10.5	52		10	173
		Tetrachloro-m-xylene	2	20	22.9	114		16	158
		Decachlorobiphenyl	2	20	13.0	65		10	173
I.BLK-PP072116.D	PIBLK-PP072116.D	Tetrachloro-m-xylene	1	20	17.3	86		60	140
		Decachlorobiphenyl	1	20	18.1	91		60	140
		Tetrachloro-m-xylene	2	20	18.5	92		60	140
		Decachlorobiphenyl	2	20	21.2	106		60	140

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2032 **Analytical Method:** 8082A

Client: CDM Smith **DataFile :** PO111139.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**TP-24MS**											
Q2032-05MS (Column 1)	AR1016	224.3	0	239	ug/kg	107				55	146	
	AR1260	224.3	0	215	ug/kg	96				31	146	
Client Sample ID:	**TP-24MS**											
Q2032-05MS (Column 2)	AR1016	224.3	0	226	ug/kg	101				55	146	
	AR1260	224.3	0	213	ug/kg	95				31	146	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2032 **Analytical Method:** 8082A

Client: CDM Smith **DataFile :** PO111140.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**TP-24MSD**											
Q2032-06MSD (Column 1)	AR1016	224.2	0	206	ug/kg	92		15		55	146	20
	AR1260	224.2	0	191	ug/kg	85		12		31	146	20
Client Sample ID:	**TP-24MSD**											
Q2032-06MSD (Column 2)	AR1016	224.2	0	203	ug/kg	91		15		55	146	20
	AR1260	224.2	0	188	ug/kg	84		12		31	146	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2032 **Analytical Method:** 8082A

Client: CDM Smith **Datafile :** PO111134.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168039BS (Column 1)	AR1016	166.5	152	ug/kg	91				71	120	
	AR1260	166.5	146	ug/kg	88				65	130	
PB168039BS (Column 2)	AR1016	166.5	144	ug/kg	86				71	120	
	AR1260	166.5	145	ug/kg	87				65	130	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2032 **Analytical Method:** 8082A

Client: CDM Smith **Datafile :** PP072082.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168005BS (Column 1)	AR1016	5	4.60	ug/L	92				61	112	
	AR1260	5	4.30	ug/L	86				66	113	
PB168005BS (Column 2)	AR1016	5	4.90	ug/L	98				61	112	
	AR1260	5	4.90	ug/L	98				66	113	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2032 **Analytical Method:** 8082A

Client: CDM Smith **Datafile :** PP072083.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168005BSD (Column 1)	AR1016	5	4.50	ug/L	90	2			61	112	20
	AR1260	5	4.30	ug/L	86	0			66	113	20
PB168005BSD (Column 2)	AR1016	5	4.60	ug/L	92	2			61	112	20
	AR1260	5	4.80	ug/L	96	0			66	113	20

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168005BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Lab Sample ID: PB168005BL Lab File ID: PP072081.D

Matrix: (soil/water) WATER Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 05/14/2025

Date Analyzed (1): 05/15/2025 Date Analyzed (2): 05/15/2025

Time Analyzed (1): 05:43 Time Analyzed (2): 05:43

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
PB168005BS	PB168005BS	PP072082.D	05/15/2025	05/15/2025
PB168005BSD	PB168005BSD	PP072083.D	05/15/2025	05/15/2025
FB-05132025	Q2032-11	PP072103.D	05/15/2025	05/15/2025

COMMENTS:

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168039BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Lab Sample ID: PB168039BL Lab File ID: PO111155.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 05/16/2025

Date Analyzed (1): 05/16/2025 Date Analyzed (2): 05/16/2025

Time Analyzed (1): 20:16 Time Analyzed (2): 20:16

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB168039BS	PB168039BS	PO111134.D	05/16/2025	05/16/2025
TP-29	Q2032-02	PO111136.D	05/16/2025	05/16/2025
TP-29-99	Q2032-03	PO111137.D	05/16/2025	05/16/2025
TP-24	Q2032-04	PO111138.D	05/16/2025	05/16/2025
TP-24MS	Q2032-05MS	PO111139.D	05/16/2025	05/16/2025
TP-24MSD	Q2032-06MSD	PO111140.D	05/16/2025	05/16/2025
TP-37	Q2032-07	PO111141.D	05/16/2025	05/16/2025
TP-32	Q2032-08	PO111142.D	05/16/2025	05/16/2025
TP-11	Q2032-01	PO111156.D	05/16/2025	05/16/2025

COMMENTS:



SAMPLE DATA

Raw Data: **PO111156.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-11	SDG No.:	Q2032
Lab Sample ID:	Q2032-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	76.3 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111156.D	1	05/16/25 09:24	05/16/25 20:34	PB168039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	5.20	U	5.20	22.2	ug/kg
11104-28-2	Aroclor-1221	5.30	U	5.30	22.2	ug/kg
11141-16-5	Aroclor-1232	4.90	U	4.90	22.2	ug/kg
53469-21-9	Aroclor-1242	5.20	U	5.20	22.2	ug/kg
12672-29-6	Aroclor-1248	7.70	U	7.70	22.2	ug/kg
11097-69-1	Aroclor-1254	4.20	U	4.20	22.2	ug/kg
37324-23-5	Aroclor-1262	6.60	U	6.60	22.2	ug/kg
11100-14-4	Aroclor-1268	4.70	U	4.70	22.2	ug/kg
11096-82-5	Aroclor-1260	4.20	U	4.20	22.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.4		32 - 144	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	11.6		32 - 175	58%	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: **PO111156.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111156.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 20:34
Operator : YP/AJ
Sample : Q2032-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TP-11

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 23:34:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.682	3.679	102.6E6	86724146	17.436	15.908
2)	SA Decachlor...	8.726	8.675	56003086	21407021	10.847	11.570
	Target Compounds						

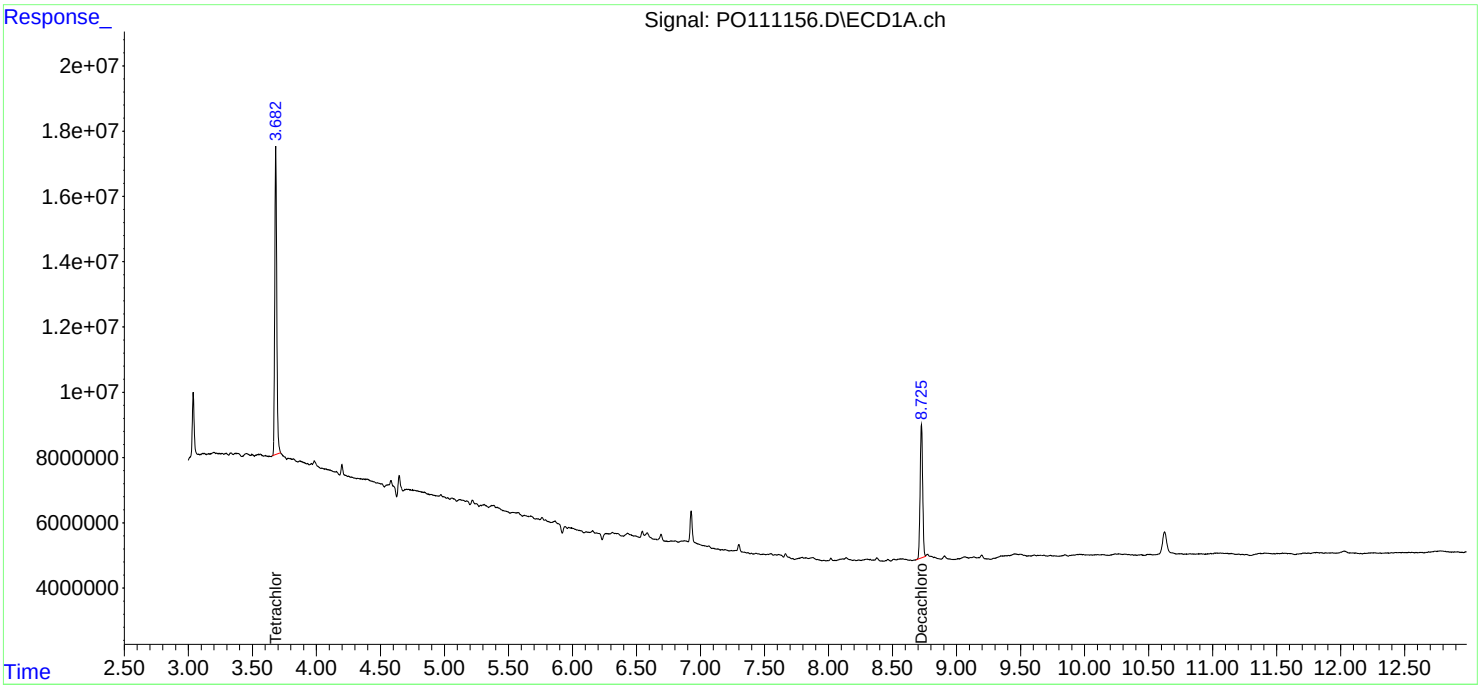
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

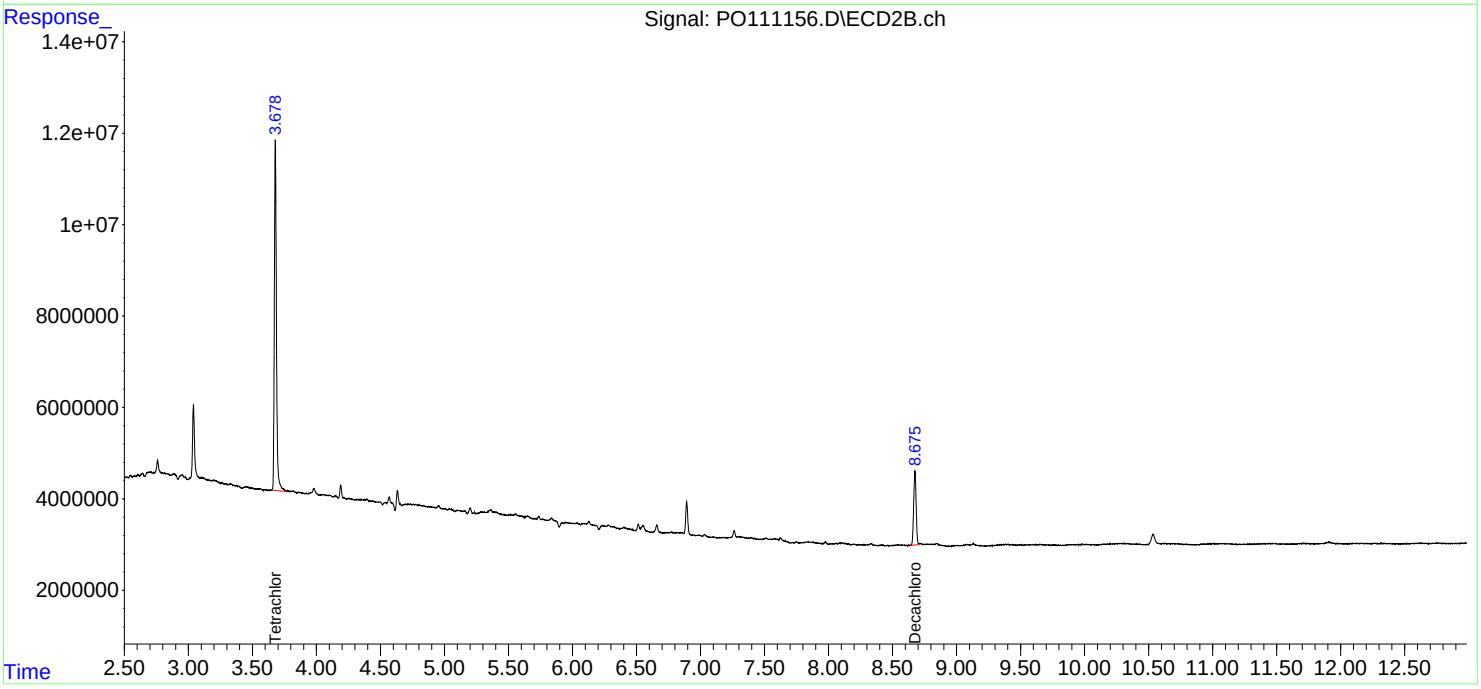
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111156.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 20:34
Operator : YP/AJ
Sample : Q2032-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

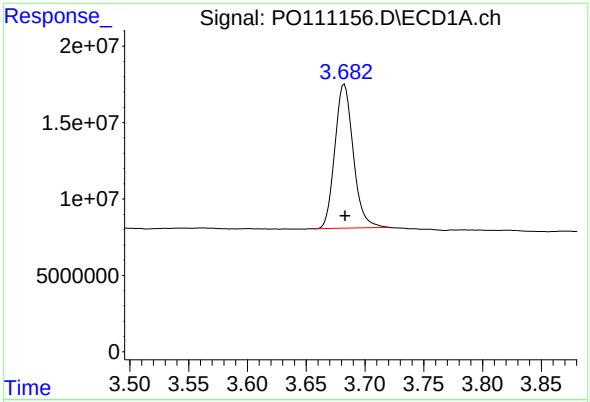
Instrument :
ECD_O
ClientSampleId :
TP-11

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 23:34:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



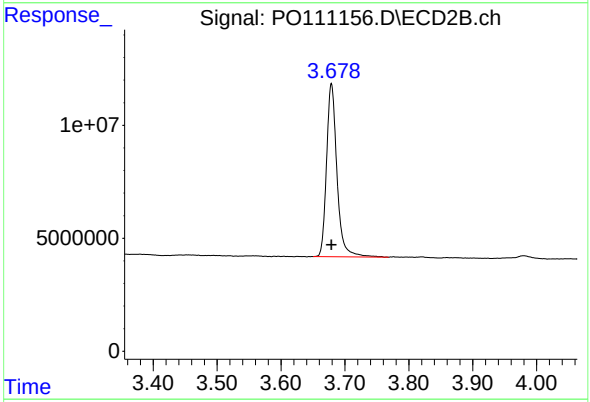




#1 Tetrachloro-m-xylene

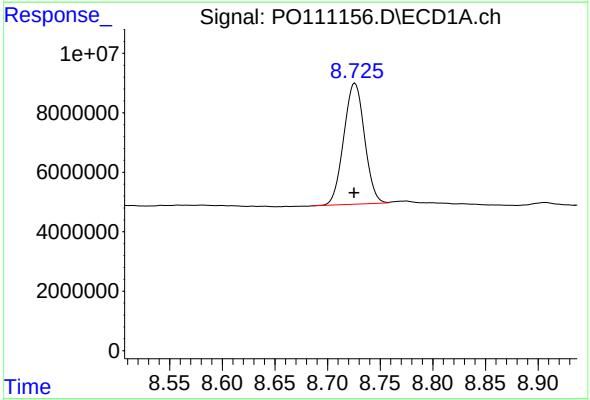
R.T.: 3.682 min
Delta R.T.: 0.000 min
Response: 102578990
Conc: 17.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
TP-11



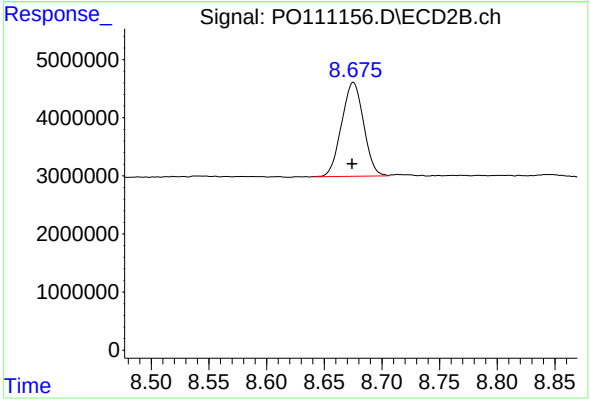
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: 0.000 min
Response: 86724146
Conc: 15.91 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.726 min
Delta R.T.: 0.000 min
Response: 56003086
Conc: 10.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.675 min
Delta R.T.: 0.001 min
Response: 21407021
Conc: 11.57 ng/ml

Raw Data: **PO111136.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-29	SDG No.:	Q2032
Lab Sample ID:	Q2032-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.1 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111136.D	1	05/16/25 09:24	05/16/25 13:40	PB168039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.7	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.7	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.7	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.7	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.7	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.7	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.7	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.7	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		32 - 144	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.9		32 - 175	74%	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: **PO111136.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 13:40
Operator : YP/AJ
Sample : Q2032-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TP-29

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 14:03:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.682	3.678	128.6E6	108.6E6	21.857	19.928
2)	SA Decachlor...	8.725	8.675	75787388	27507038	14.679	14.867
	Target Compounds						

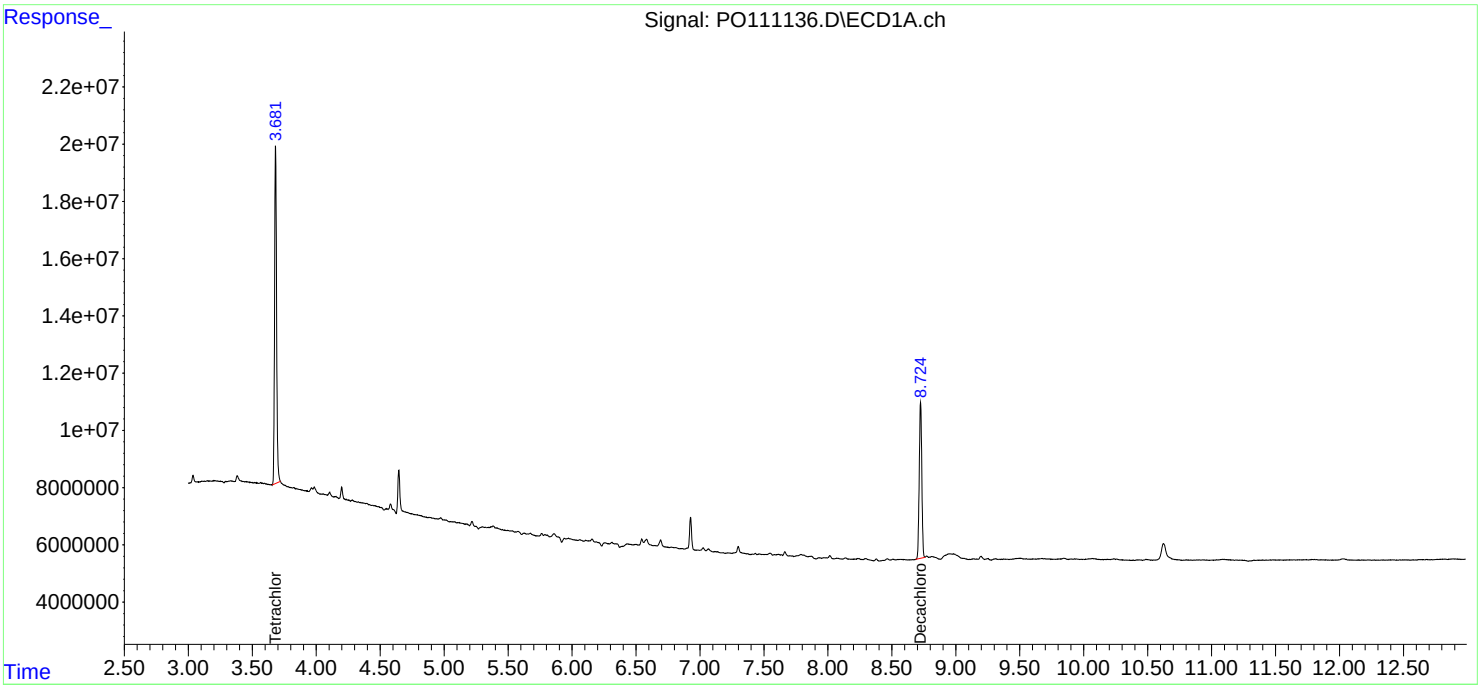
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

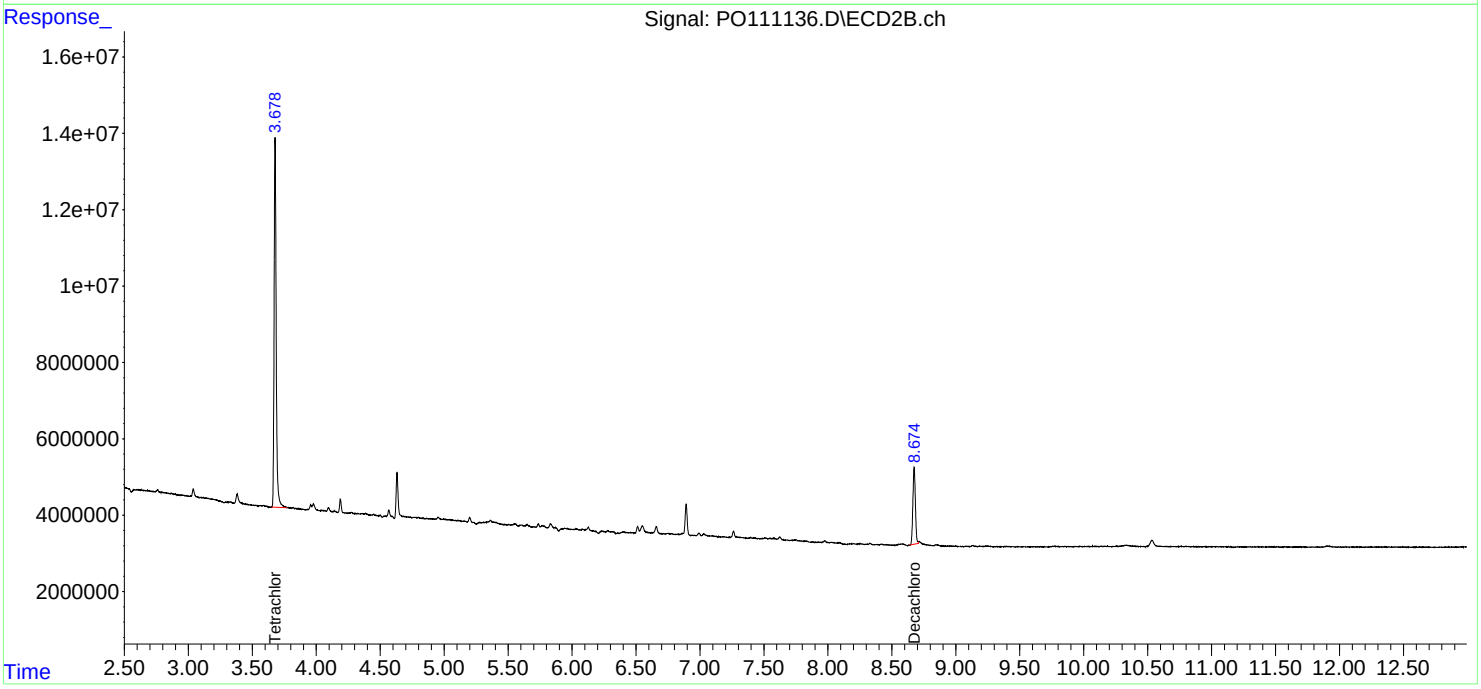
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 13:40
Operator : YP/AJ
Sample : Q2032-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

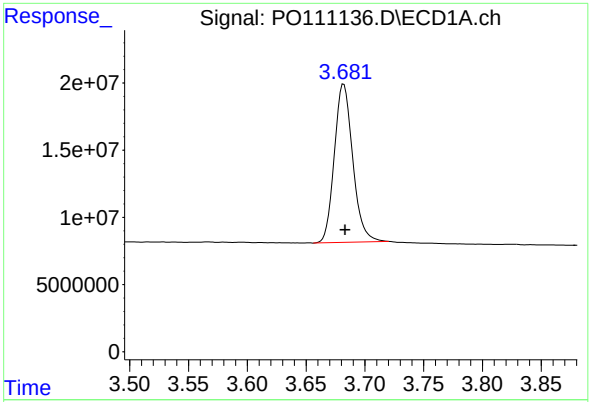
Instrument :
ECD_O
ClientSampleId :
TP-29

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 14:03:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



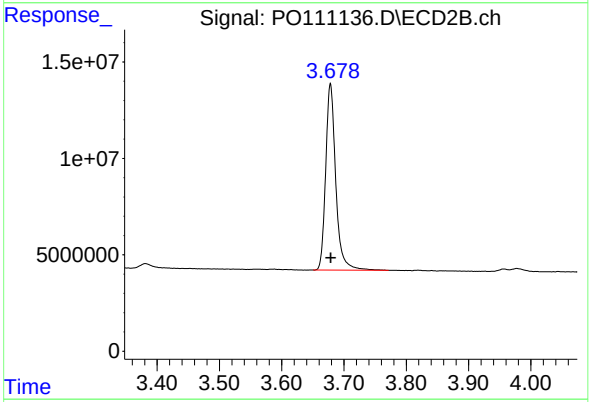




#1 Tetrachloro-m-xylene

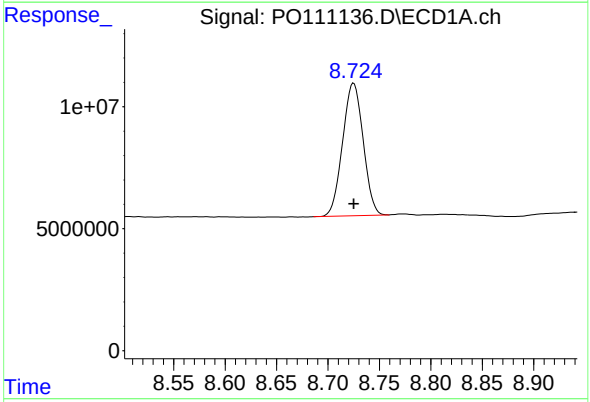
R.T.: 3.682 min
Delta R.T.: 0.000 min
Response: 128588181
Conc: 21.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
TP-29



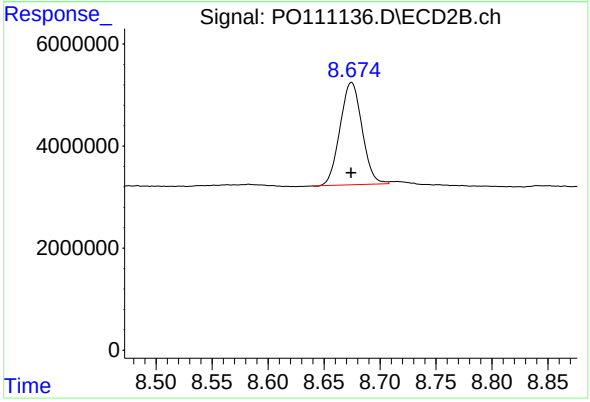
#1 Tetrachloro-m-xylene

R.T.: 3.678 min
Delta R.T.: 0.000 min
Response: 108637847
Conc: 19.93 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: 0.000 min
Response: 75787388
Conc: 14.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.675 min
Delta R.T.: 0.000 min
Response: 27507038
Conc: 14.87 ng/ml

Raw Data: **PO111137.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-29-99	SDG No.:	Q2032
Lab Sample ID:	Q2032-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111137.D	1	05/16/25 09:24	05/16/25 13:57	PB168039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.50	U	4.50	19.5	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.5	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.5	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.5	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.5	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.5	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.5	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.5	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.4		32 - 144	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.1		32 - 175	81%	SPK: 20

Comments:

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

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

Sample Results: **PO111137.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 13:57
Operator : YP/AJ
Sample : Q2032-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TP-29-99

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 14:22:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.681	3.679	131.6E6	111.7E6	22.372	20.499
2)	SA Decachlor...	8.723	8.674	83336020	29779906	16.141	16.096
	Target Compounds						

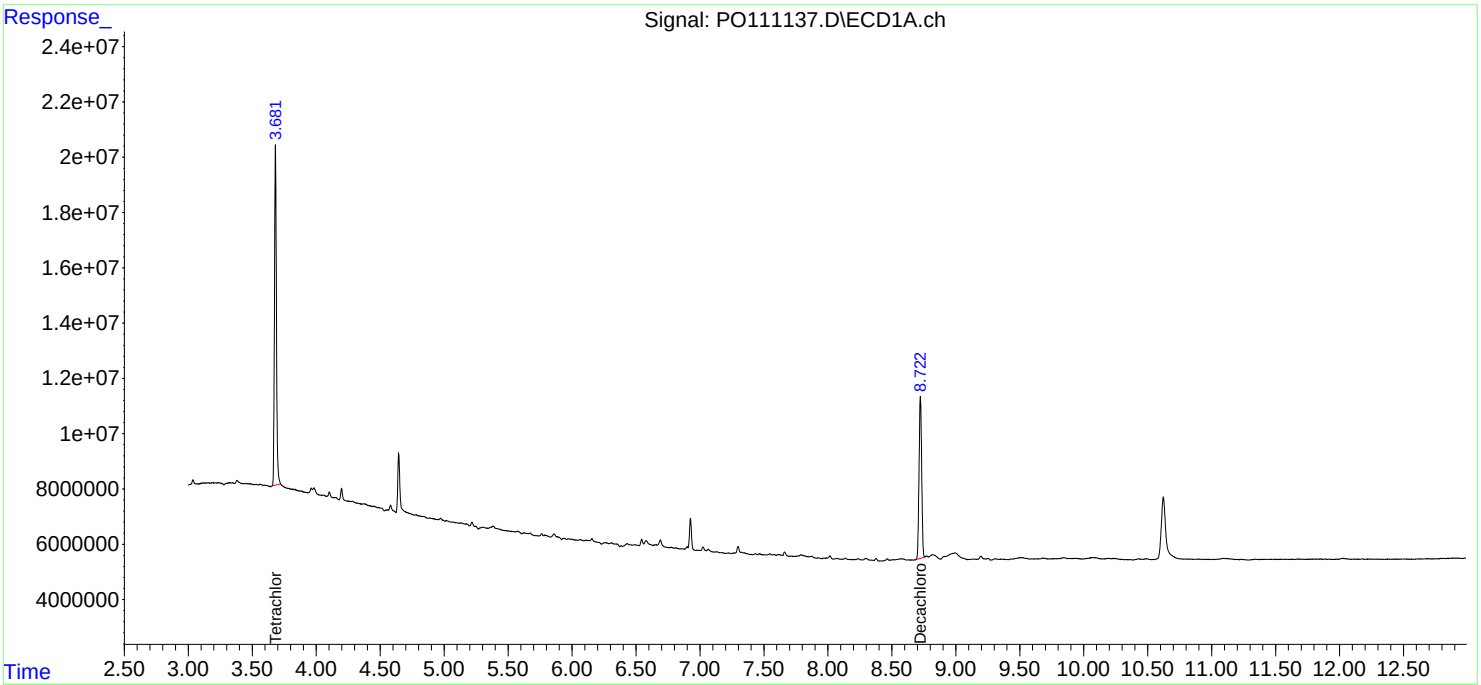
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

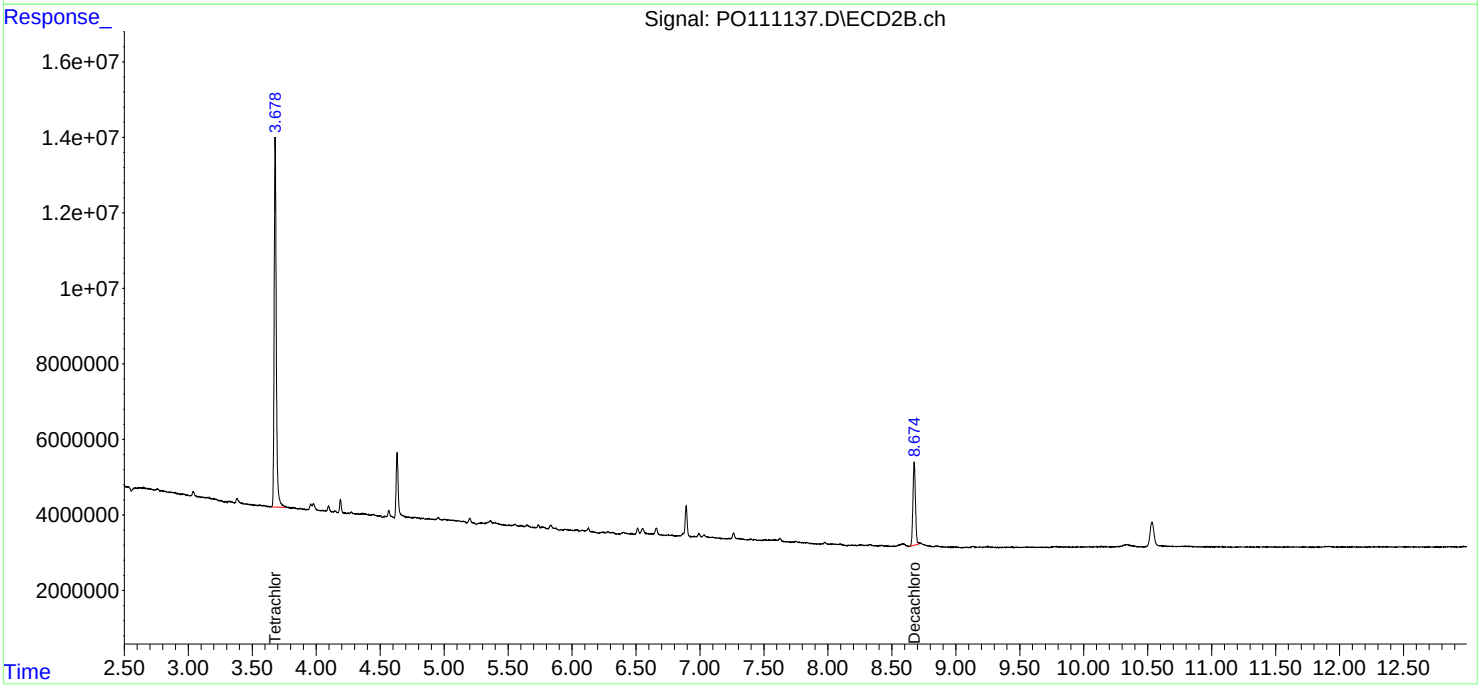
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 13:57
Operator : YP/AJ
Sample : Q2032-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

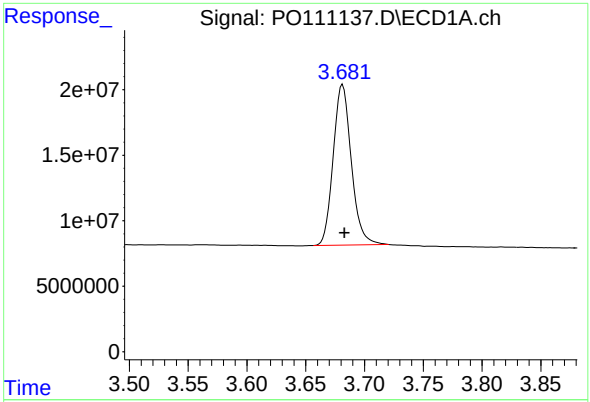
Instrument :
ECD_O
ClientSampleId :
TP-29-99

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 14:22:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



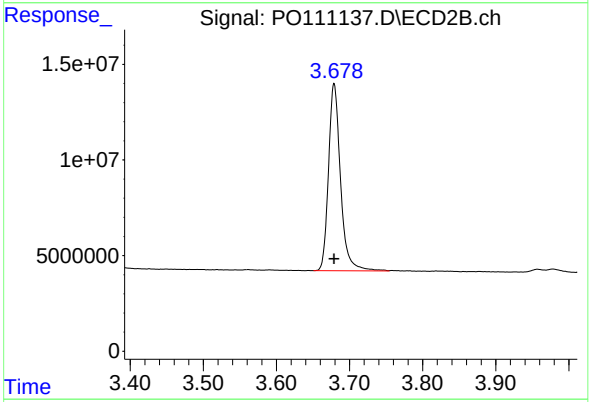




#1 Tetrachloro-m-xylene

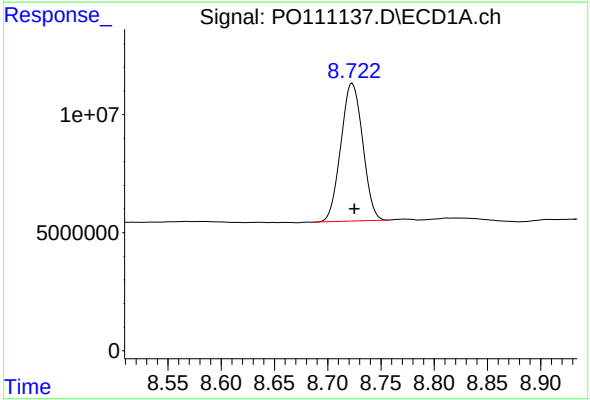
R.T.: 3.681 min
Delta R.T.: -0.002 min
Response: 131616592
Conc: 22.37 ng/ml

Instrument :
ECD_O
ClientSampleId :
TP-29-99



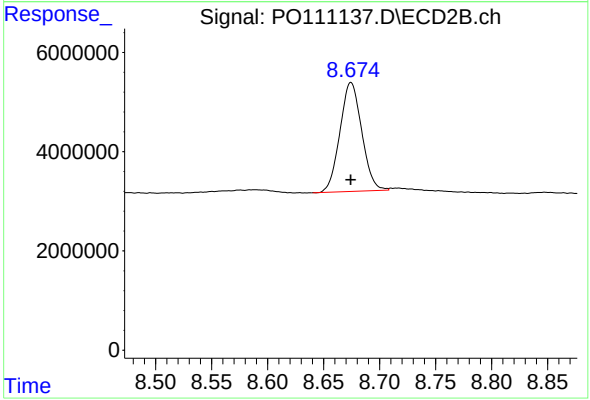
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: 0.000 min
Response: 111749170
Conc: 20.50 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.723 min
Delta R.T.: -0.002 min
Response: 83336020
Conc: 16.14 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.674 min
Delta R.T.: 0.000 min
Response: 29779906
Conc: 16.10 ng/ml

Raw Data: **PO111138.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-24	SDG No.:	Q2032
Lab Sample ID:	Q2032-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	74.2 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111138.D	1	05/16/25 09:24	05/16/25 14:14	PB168039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	5.30	U	5.30	22.9	ug/kg
11104-28-2	Aroclor-1221	5.40	U	5.40	22.9	ug/kg
11141-16-5	Aroclor-1232	5.00	U	5.00	22.9	ug/kg
53469-21-9	Aroclor-1242	5.40	U	5.40	22.9	ug/kg
12672-29-6	Aroclor-1248	8.00	U	8.00	22.9	ug/kg
11097-69-1	Aroclor-1254	4.30	U	4.30	22.9	ug/kg
37324-23-5	Aroclor-1262	6.80	U	6.80	22.9	ug/kg
11100-14-4	Aroclor-1268	4.80	U	4.80	22.9	ug/kg
11096-82-5	Aroclor-1260	4.40	U	4.40	22.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		32 - 144	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.0		32 - 175	80%	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: **PO111138.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111138.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 14:14
Operator : YP/AJ
Sample : Q2032-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TP-24

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 14:23:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.680	3.678	124.2E6	101.8E6	21.107	18.670
2)	SA Decachlor...	8.723	8.674	80936306	29680396	15.677	16.042
	Target Compounds						

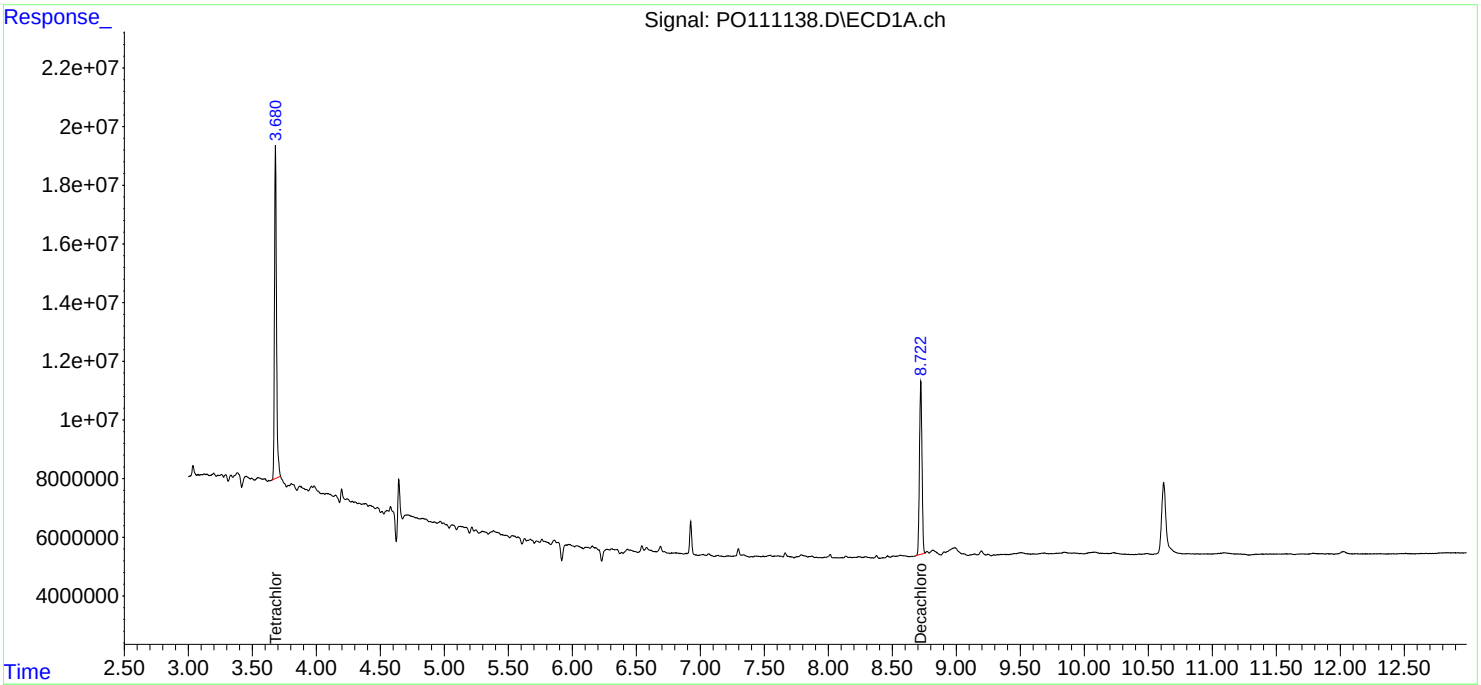
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

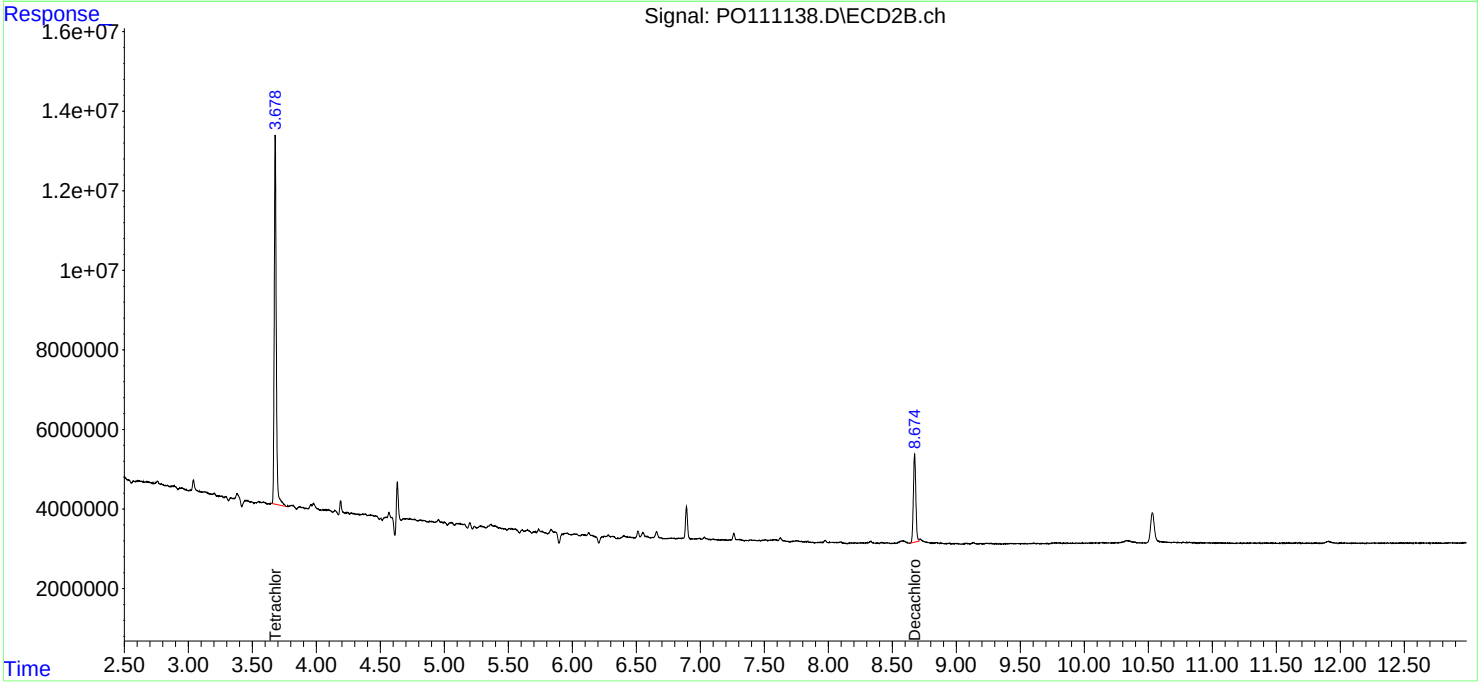
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111138.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 14:14
Operator : YP/AJ
Sample : Q2032-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

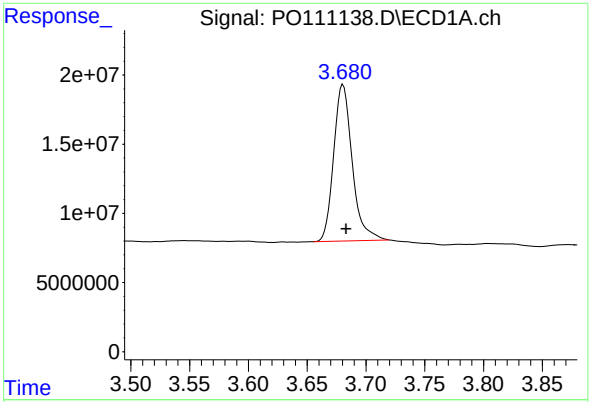
Instrument :
ECD_O
ClientSampleId :
TP-24

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 14:23:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



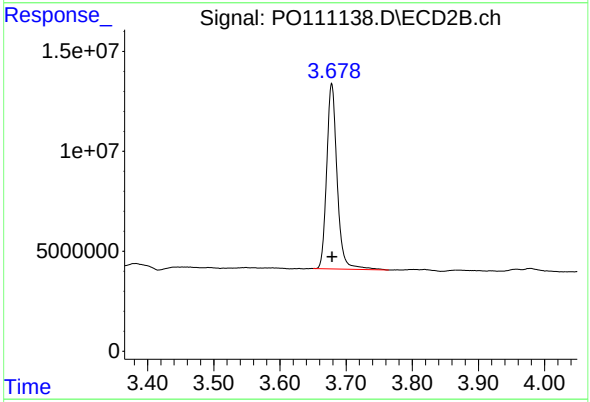




#1 Tetrachloro-m-xylene

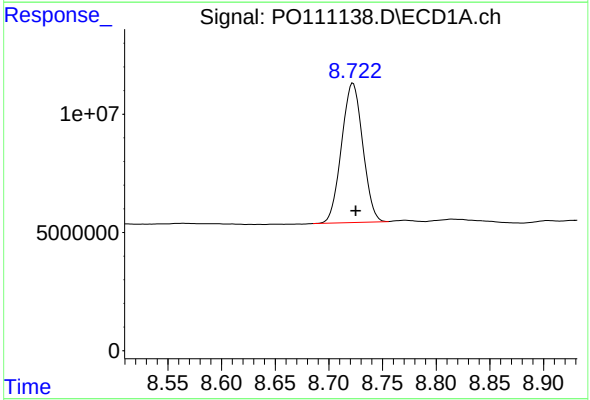
R.T.: 3.680 min
Delta R.T.: -0.002 min
Response: 124179685
Conc: 21.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
TP-24



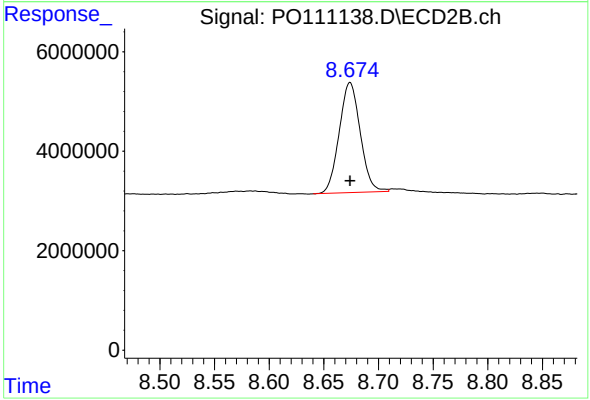
#1 Tetrachloro-m-xylene

R.T.: 3.678 min
Delta R.T.: 0.000 min
Response: 101780067
Conc: 18.67 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.723 min
Delta R.T.: -0.003 min
Response: 80936306
Conc: 15.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.674 min
Delta R.T.: 0.000 min
Response: 29680396
Conc: 16.04 ng/ml

Raw Data: **PO111141.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-37	SDG No.:	Q2032
Lab Sample ID:	Q2032-07	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	82.5 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111141.D	1	05/16/25 09:24	05/16/25 15:08	PB168039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.80	U	4.80	20.6	ug/kg
11104-28-2	Aroclor-1221	4.90	U	4.90	20.6	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	20.6	ug/kg
53469-21-9	Aroclor-1242	4.90	U	4.90	20.6	ug/kg
12672-29-6	Aroclor-1248	7.20	U	7.20	20.6	ug/kg
11097-69-1	Aroclor-1254	3.90	U	3.90	20.6	ug/kg
37324-23-5	Aroclor-1262	6.10	U	6.10	20.6	ug/kg
11100-14-4	Aroclor-1268	4.40	U	4.40	20.6	ug/kg
11096-82-5	Aroclor-1260	3.90	U	3.90	20.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.8		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.0		32 - 175	65%	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: **PO111141.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 15:08
Operator : YP/AJ
Sample : Q2032-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TP-37

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 15:38:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.682	3.679	110.3E6	93333301	18.748	17.121
2)	SA Decachlor...	8.724	8.674	64418809	24007790	12.477	12.976m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 15:08
Operator : YP/AJ
Sample : Q2032-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

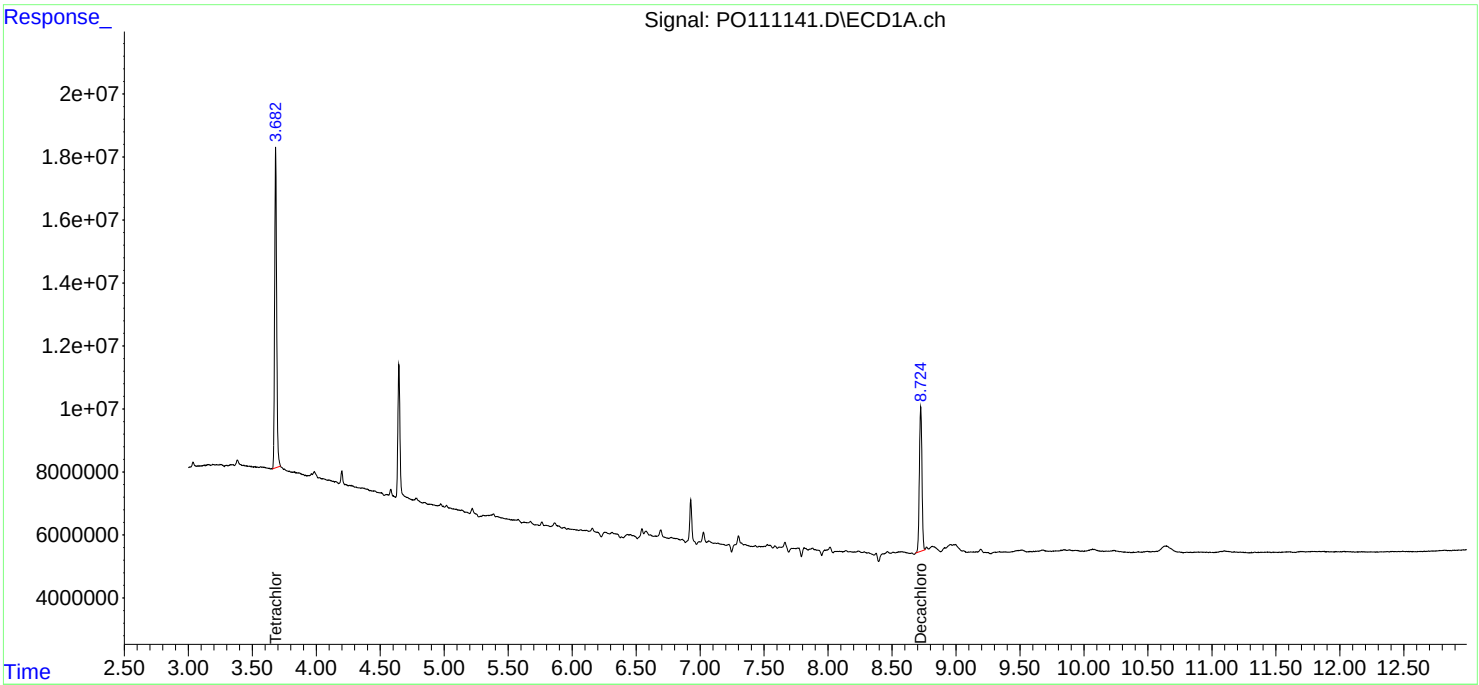
Instrument :
ECD_O
ClientSampleId :
TP-37

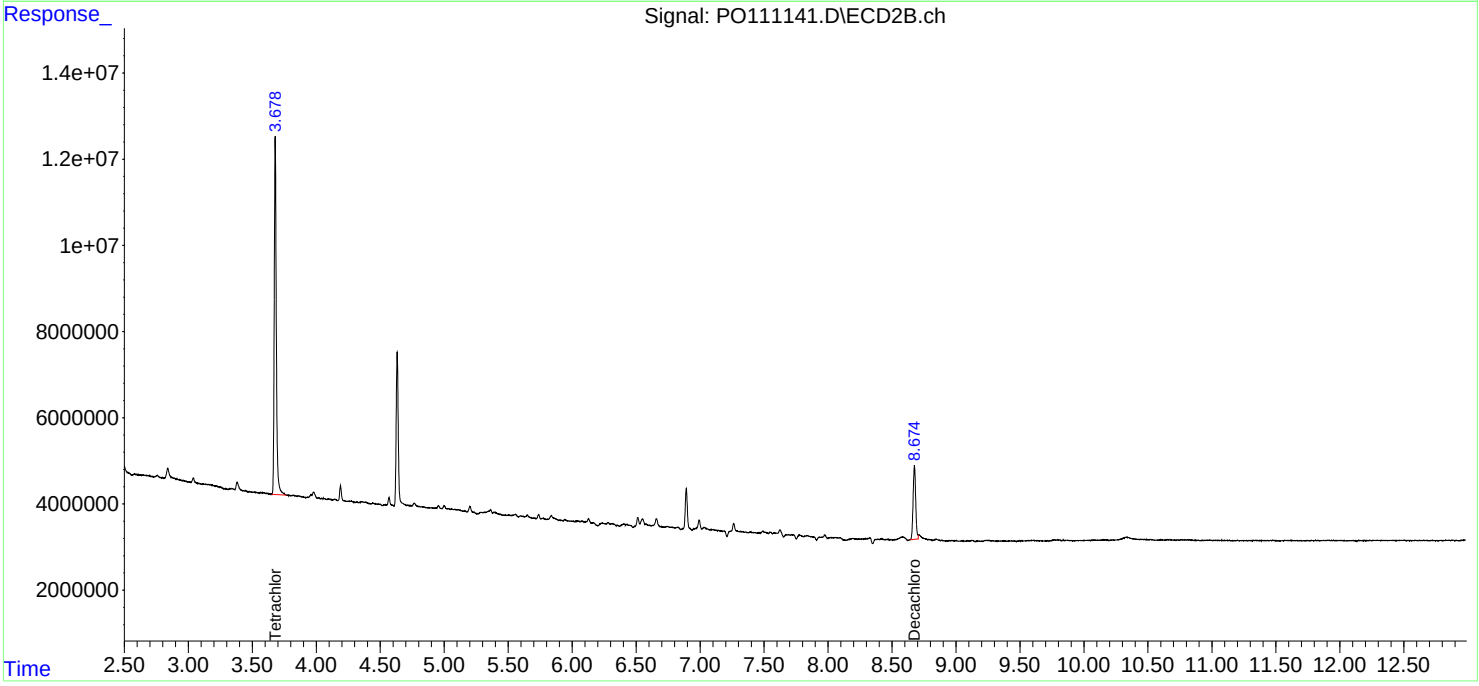
Manual Integrations APPROVED

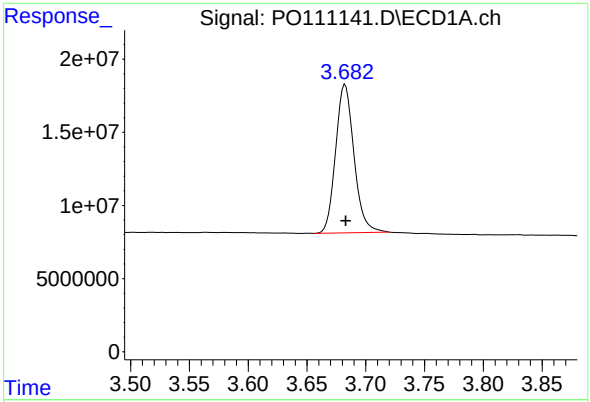
Reviewed By :Yogesh Patel 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 15:38:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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







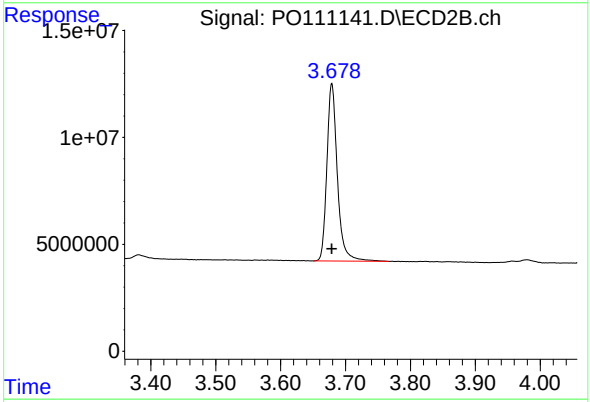
#1 Tetrachloro-m-xylene

R.T.: 3.682 min
Delta R.T.: 0.000 min
Response: 110300379
Conc: 18.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
TP-37

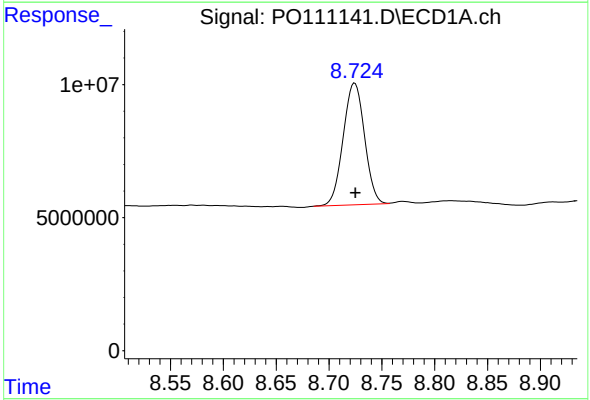
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/19/2025
Supervised By :mohammad ahmed 05/20/2025



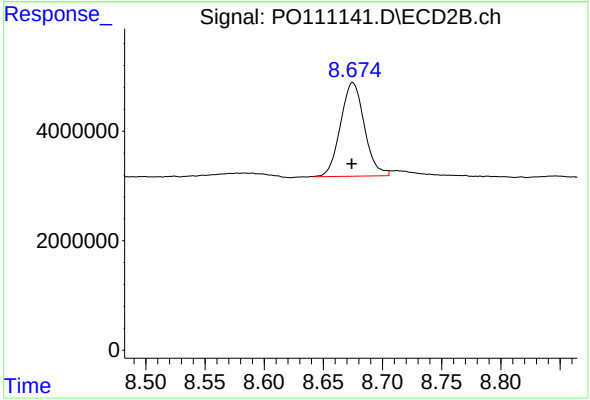
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: 0.000 min
Response: 93333301
Conc: 17.12 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.724 min
Delta R.T.: 0.000 min
Response: 64418809
Conc: 12.48 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.674 min
Delta R.T.: 0.000 min
Response: 24007790
Conc: 12.98 ng/ml m

Raw Data: **PO111142.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-32	SDG No.:	Q2032
Lab Sample ID:	Q2032-08	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.8 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111142.D	1	05/16/25 09:24	05/16/25 15:27	PB168039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.50	U	4.50	19.6	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.6	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.6	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.6	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.6	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.6	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.6	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.6	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.5		32 - 144	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.5		32 - 175	77%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO111142.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 15:27
Operator : YP/AJ
Sample : Q2032-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TP-32

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 15:39:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.682	3.679	132.2E6	112.9E6	22.474	20.711
2)	SA Decachlor...	8.727	8.675	78939498	28604588	15.290	15.461
	Target Compounds						

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

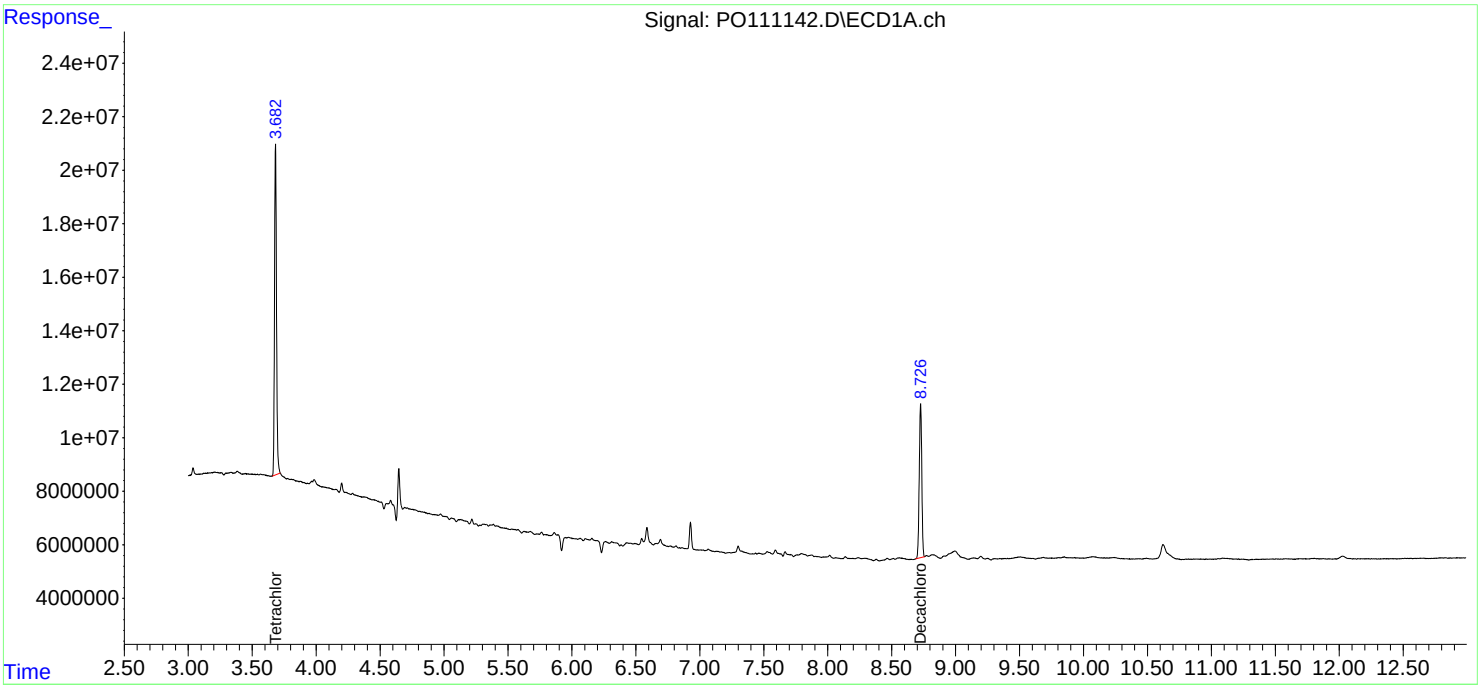
Sample Results: **PO111142.D**

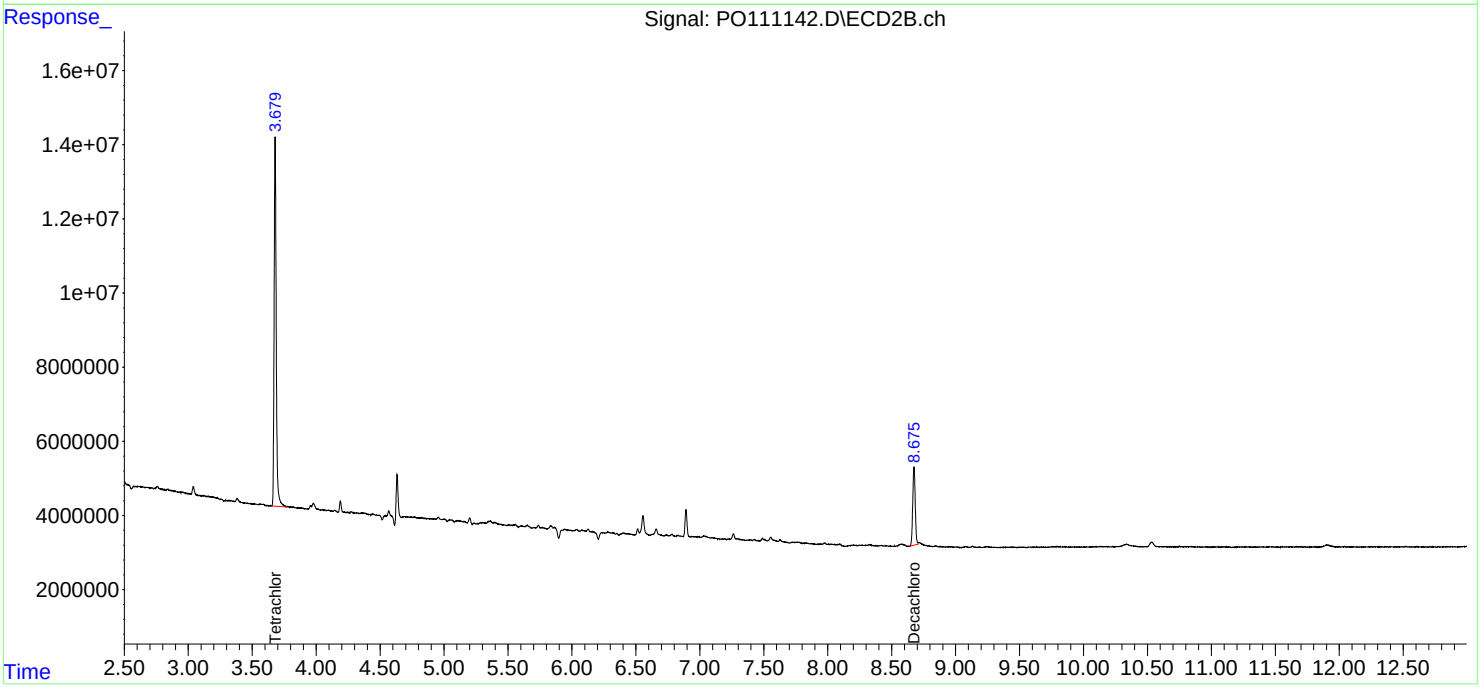
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 15:27
Operator : YP/AJ
Sample : Q2032-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

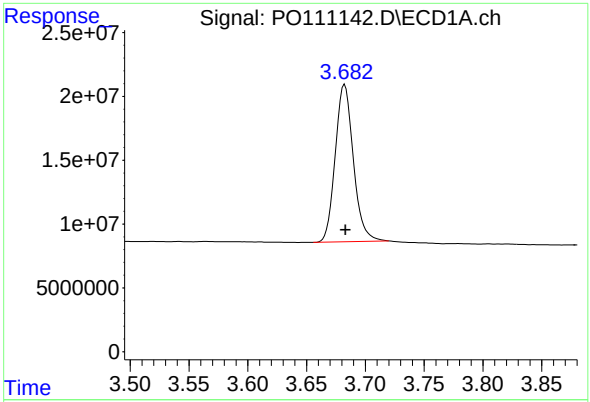
Instrument :
ECD_O
ClientSampleId :
TP-32

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 15:39:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



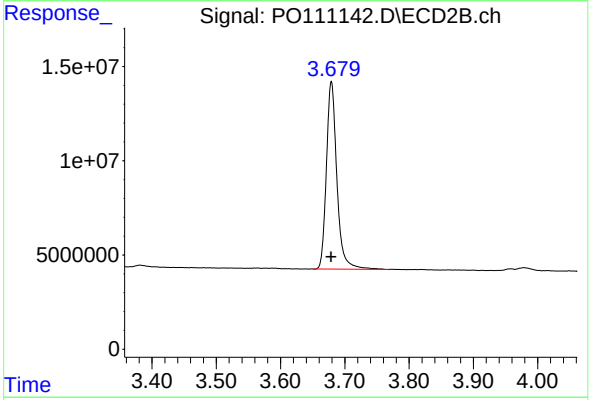




#1 Tetrachloro-m-xylene

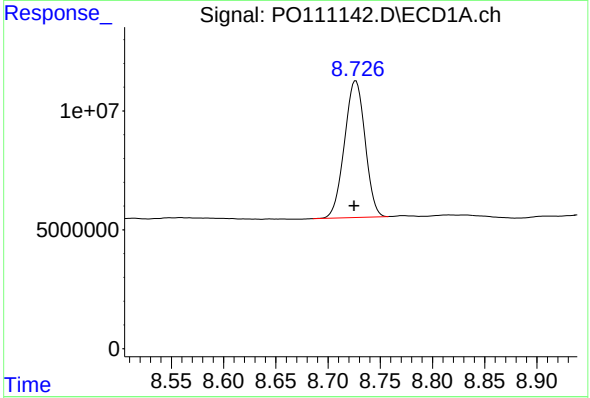
R.T.: 3.682 min
Delta R.T.: 0.000 min
Response: 132217787
Conc: 22.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
TP-32



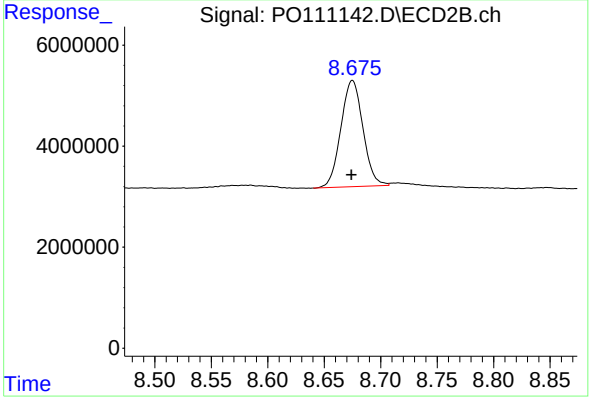
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: 0.000 min
Response: 112904256
Conc: 20.71 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.727 min
Delta R.T.: 0.001 min
Response: 78939498
Conc: 15.29 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.675 min
Delta R.T.: 0.000 min
Response: 28604588
Conc: 15.46 ng/ml

Raw Data: **PP072103.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	FB-05132025	SDG No.:	Q2032
Lab Sample ID:	Q2032-11	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	980 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072103.D	1	05/14/25 09:08	05/15/25 13:08	PB168005

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.099	U	0.099	0.51	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.51	ug/L
11141-16-5	Aroclor-1232	0.098	U	0.098	0.51	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.51	ug/L
12672-29-6	Aroclor-1248	0.072	U	0.072	0.51	ug/L
11097-69-1	Aroclor-1254	0.096	U	0.096	0.51	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.51	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.51	ug/L
11096-82-5	Aroclor-1260	0.083	U	0.083	0.51	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.9		16 - 158	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.0		10 - 173	65%	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: **PP072103.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051525\
Data File : PP072103.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 13:08
Operator : YP\AJ
Sample : Q2032-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
FB-05132025

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

05/16/2025
Supervised By :mohammad ahmed

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 03:02:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

05/19/2025

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.507	3.802	42100365	32214056	21.235	22.869m
2)	SA Decachlor...	10.215	8.825	15165643	11365171	10.473	12.958m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051525\
Data File : PP072103.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 13:08
Operator : YP\AJ
Sample : Q2032-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
FB-05132025

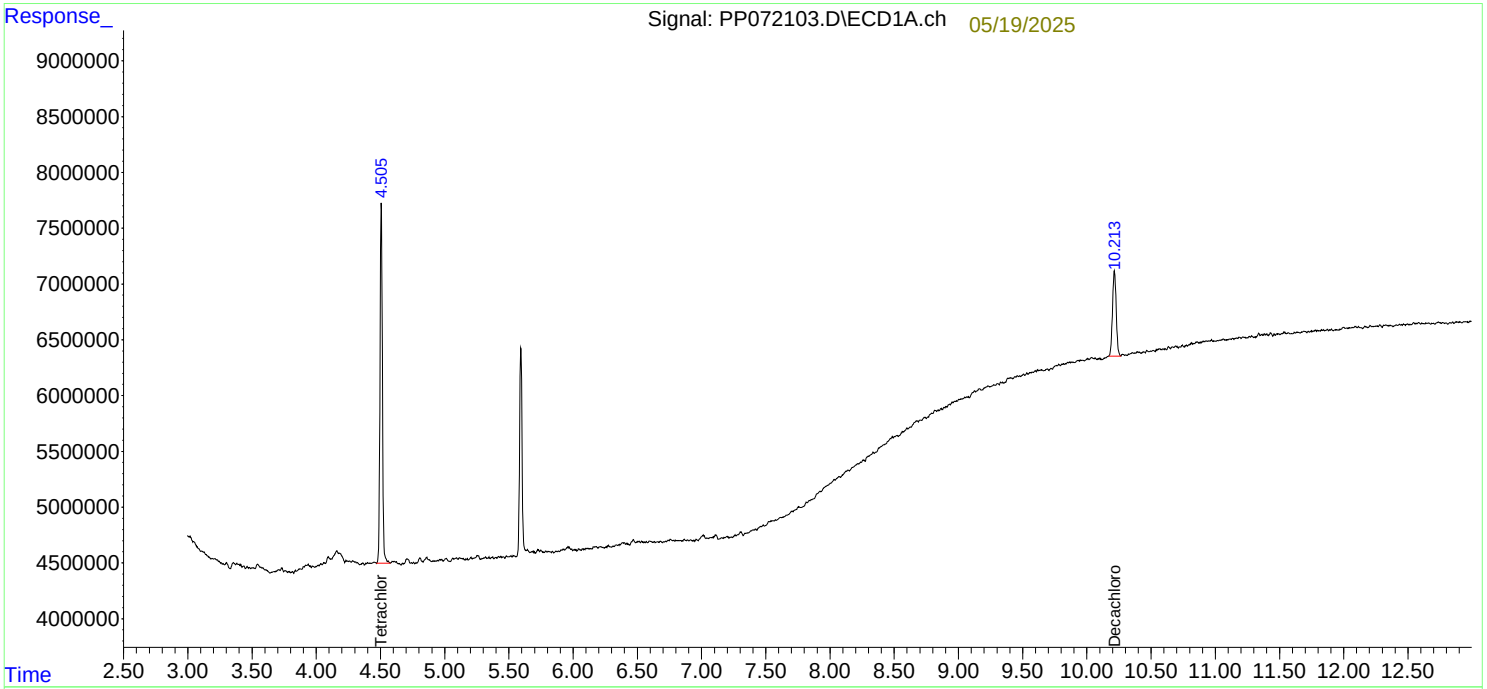
Manual Integrations APPROVED

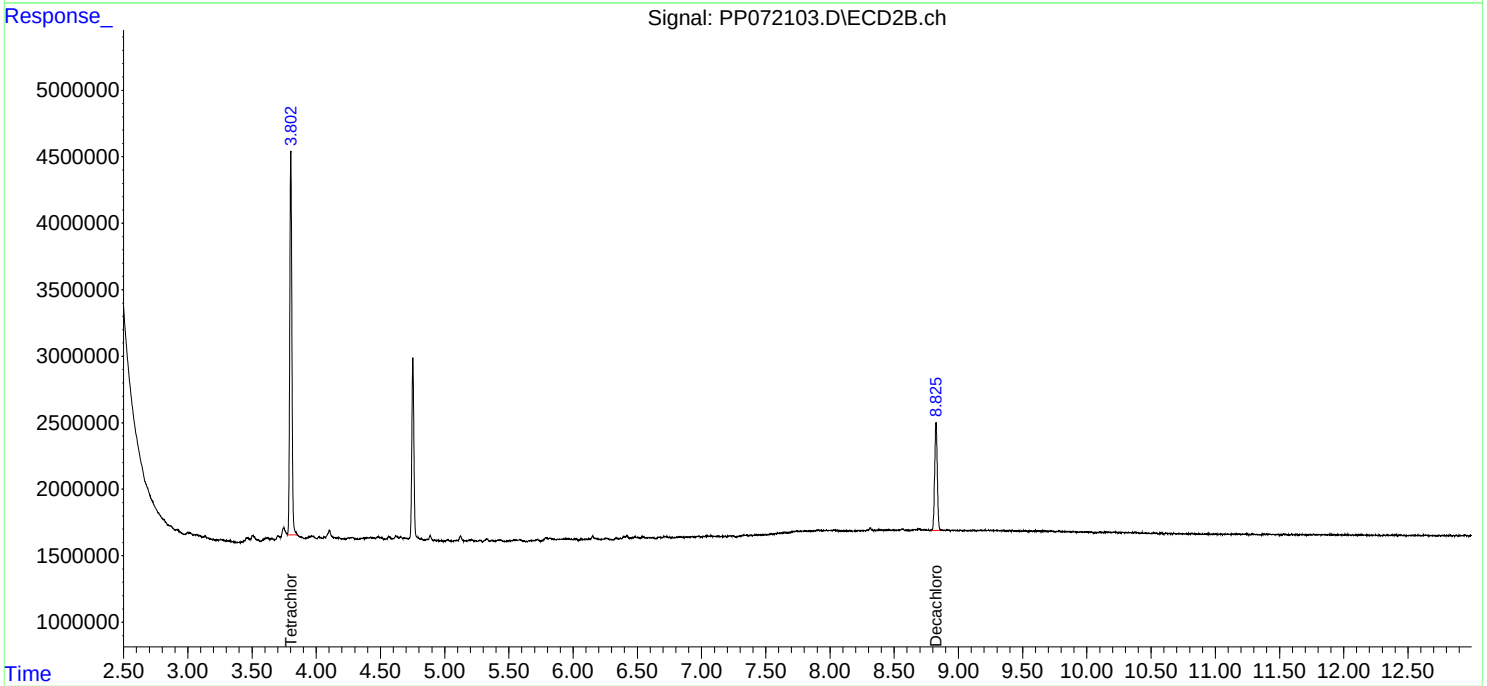
Reviewed By :Yogesh Patel

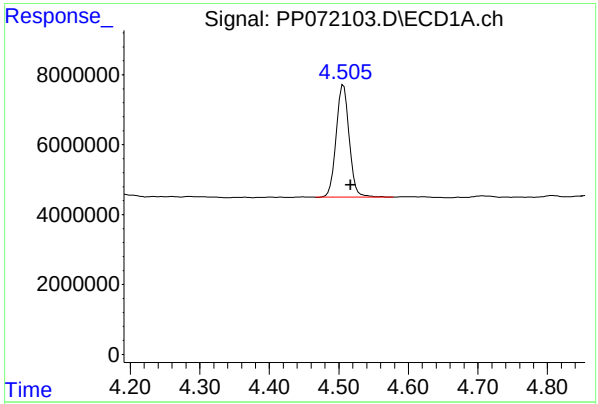
05/16/2025
Supervised By :mohammad ahmed

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 03:02:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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







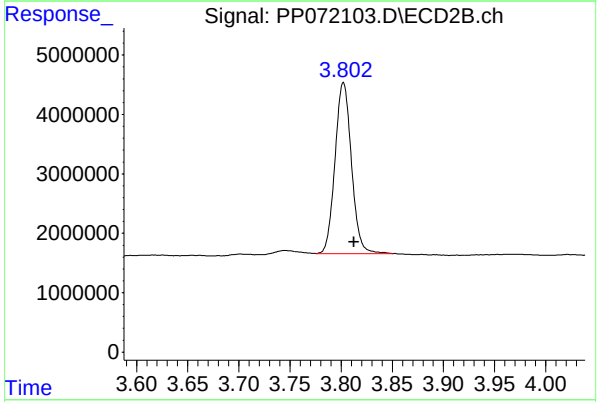
#1 Tetrachloro-m-xylene

R.T.: 4.507 min
Delta R.T.: -0.010 min
Response: 42100365
Conc: 21.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
FB-05132025

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

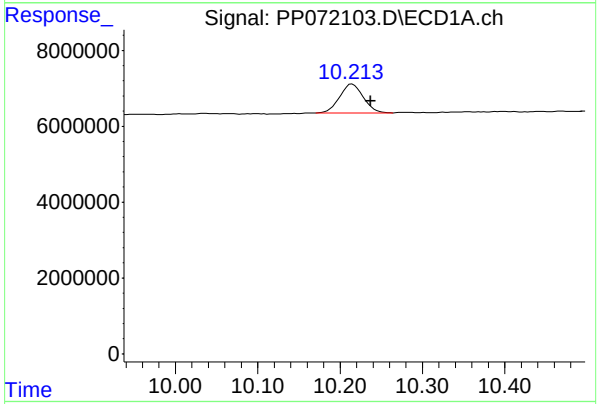


#1 Tetrachloro-m-xylene

R.T.: 3.802 min
Delta R.T.: -0.010 min
Response: 32214056
Conc: 22.87 ng/ml m

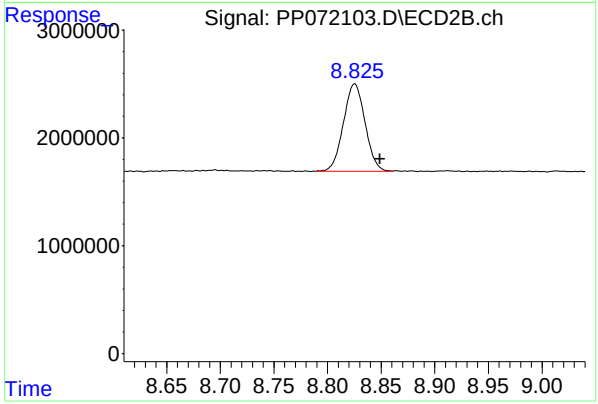
05/16/2025
Supervised By :mohammad ahmed

05/19/2025



#2 Decachlorobiphenyl

R.T.: 10.215 min
Delta R.T.: -0.023 min
Response: 15165643
Conc: 10.47 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.825 min
Delta R.T.: -0.024 min
Response: 11365171
Conc: 12.96 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: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Instrument ID: ECD_O **Calibration Date(s):** 05/14/2025 05/15/2025

Calibration Times: 17:19 01:31

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

LAB FILE ID: RT 1000 = PO111058.D RT 750 = PO111059.D

RT 500 = PO111060.D RT 250 = PO111061.D RT 050 = PO111062.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1016-2	(2)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1016-3	(3)	4.85	4.85	4.85	4.85	4.85	4.85	4.75	4.95
Aroclor-1016-4	(4)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1016-5	(5)	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
Aroclor-1260-1	(1)	6.27	6.27	6.27	6.27	6.27	6.27	6.17	6.37
Aroclor-1260-2	(2)	6.46	6.46	6.46	6.46	6.45	6.46	6.36	6.56
Aroclor-1260-3	(3)	6.82	6.82	6.82	6.82	6.82	6.82	6.72	6.92
Aroclor-1260-4	(4)	7.08	7.08	7.08	7.08	7.08	7.08	6.98	7.18
Aroclor-1260-5	(5)	7.33	7.33	7.33	7.32	7.32	7.33	7.23	7.43
Decachlorobiphenyl		8.73	8.73	8.72	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1242-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1242-2	(2)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1242-3	(3)	4.85	4.85	4.85	4.85	4.85	4.85	4.75	4.95
Aroclor-1242-4	(4)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1242-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Decachlorobiphenyl		8.72	8.72	8.73	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1248-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1248-2	(2)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1248-3	(3)	5.23	5.23	5.23	5.22	5.23	5.23	5.13	5.33
Aroclor-1248-4	(4)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1248-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Decachlorobiphenyl		8.72	8.72	8.72	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1254-1	(1)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1254-2	(2)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Aroclor-1254-3	(3)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1254-4	(4)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1254-5	(5)	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Decachlorobiphenyl		8.73	8.73	8.72	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1268-1	(1)	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
Aroclor-1268-2	(2)	7.67	7.67	7.67	7.67	7.67	7.67	7.57	7.77
Aroclor-1268-3	(3)	7.88	7.88	7.88	7.88	7.88	7.88	7.78	7.98
Aroclor-1268-4	(4)	8.17	8.17	8.17	8.17	8.17	8.17	8.07	8.27
Aroclor-1268-5	(5)	8.46	8.47	8.47	8.46	8.46	8.46	8.36	8.56

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.72	8.72	8.73	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene	3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78

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: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Instrument ID: ECD_O **Calibration Date(s):** 05/14/2025 05/15/2025

Calibration Times: 17:19 01:31

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

LAB FILE ID: RT 1000 = PO111058.D RT 750 = PO111059.D

RT 500 = PO111060.D RT 250 = PO111061.D RT 050 = PO111062.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1016-2	(2)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1016-3	(3)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1016-4	(4)	5.00	5.00	4.99	4.99	5.00	5.00	4.90	5.10
Aroclor-1016-5	(5)	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
Aroclor-1260-1	(1)	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
Aroclor-1260-2	(2)	6.43	6.43	6.43	6.43	6.43	6.43	6.33	6.53
Aroclor-1260-3	(3)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Aroclor-1260-4	(4)	7.05	7.05	7.05	7.05	7.05	7.05	6.95	7.15
Aroclor-1260-5	(5)	7.29	7.29	7.29	7.29	7.29	7.29	7.19	7.39
Decachlorobiphenyl		8.67	8.67	8.67	8.68	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1242-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1242-2	(2)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1242-3	(3)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1242-4	(4)	5.04	5.04	5.04	5.04	5.04	5.04	4.94	5.14
Aroclor-1242-5	(5)	5.56	5.56	5.56	5.56	5.56	5.56	5.46	5.66
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1248-1	(1)	4.76	4.76	4.76	4.77	4.76	4.76	4.66	4.86
Aroclor-1248-2	(2)	5.00	5.00	5.00	5.01	5.00	5.00	4.90	5.10
Aroclor-1248-3	(3)	5.04	5.04	5.04	5.05	5.04	5.04	4.94	5.14
Aroclor-1248-4	(4)	5.21	5.21	5.21	5.22	5.21	5.21	5.11	5.31
Aroclor-1248-5	(5)	5.60	5.60	5.60	5.61	5.60	5.60	5.50	5.70
Decachlorobiphenyl		8.67	8.67	8.68	8.69	8.67	8.68	8.58	8.78
Tetrachloro-m-xylene		3.68	3.68	3.68	3.69	3.68	3.68	3.58	3.78
Aroclor-1254-1	(1)	5.56	5.56	5.56	5.56	5.56	5.56	5.46	5.66
Aroclor-1254-2	(2)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1254-3	(3)	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Aroclor-1254-4	(4)	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Aroclor-1254-5	(5)	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1268-1	(1)	7.57	7.57	7.57	7.57	7.57	7.57	7.47	7.67
Aroclor-1268-2	(2)	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1268-3	(3)	7.84	7.84	7.84	7.84	7.84	7.84	7.74	7.94
Aroclor-1268-4	(4)	8.13	8.13	8.13	8.13	8.13	8.13	8.03	8.23
Aroclor-1268-5	(5)	8.42	8.42	8.42	8.42	8.42	8.42	8.32	8.52

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene	3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Instrument ID: ECD_O **Calibration Date(s):** 05/14/2025 05/15/2025

Calibration Times: 17:19 01:31

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

LAB FILE ID: **CF 1000 =** PO111058.D **CF 750 =** PO111059.D

CF 500 = PO111060.D **CF 250 =** PO111061.D **CF 050 =** PO111062.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	205952128	213833112	226414102	241684928	237394280	225055710	7
Aroclor-1016-2	(2)	293931044	310127113	321220528	340419712	328971000	318933879	6
Aroclor-1016-3	(3)	200116672	210641735	220217832	233629012	221015000	217124050	6
Aroclor-1016-4	(4)	160298181	168708089	176290662	187854588	177589060	174148116	6
Aroclor-1016-5	(5)	161898024	175820952	178167232	187226608	176844020	175991367	5
Aroclor-1260-1	(1)	277561674	293756041	305741896	331877740	315901980	304967866	7
Aroclor-1260-2	(2)	349775279	367746601	383860622	411536992	401831460	382950191	7
Aroclor-1260-3	(3)	317018248	333963835	348833732	373392584	369733400	348588360	7
Aroclor-1260-4	(4)	251785051	267674384	282392668	305806136	292149520	279961552	8
Aroclor-1260-5	(5)	680936092	706872008	727490352	760116820	724090440	719901142	4
Decachlorobiphenyl		4789049460	4988917347	5187039280	5515117840	5334237200	5162872225	6
Tetrachloro-m-xylene		5665666390	5873534533	6010307880	6167763840	5698750600	5883204649	4
Aroclor-1242-1	(1)	176697919	185695675	196416184	207079416	190109540	191199747	6
Aroclor-1242-2	(2)	257720398	267748761	279433570	293144628	262025820	272014635	5
Aroclor-1242-3	(3)	175187474	182923969	192610042	201232700	177980140	185986865	6
Aroclor-1242-4	(4)	140203851	146287348	153093646	159943472	139472860	147800235	6
Aroclor-1242-5	(5)	145186142	152022244	159321518	169027516	152152160	155541916	6
Decachlorobiphenyl		4774382260	4985278507	5225823760	5476782920	5013508400	5095155169	5
Tetrachloro-m-xylene		5680960800	5831614707	6040672820	6174416800	5348804000	5815293825	6
Aroclor-1248-1	(1)	138162515	145942143	153069466	163443424	165211980	153165906	8
Aroclor-1248-2	(2)	182760569	190399631	201027290	214399212	214001160	200517572	7
Aroclor-1248-3	(3)	227450486	238283761	250971210	267719672	295599780	256004982	10
Aroclor-1248-4	(4)	324783137	336810133	356284496	381846900	411181480	362181229	10
Aroclor-1248-5	(5)	233936098	243272008	257408728	275769428	299891040	262055460	10
Decachlorobiphenyl		4861959910	5031694707	5278313240	5604075320	5730172600	5301243155	7
Tetrachloro-m-xylene		5864549650	6045437613	6209272300	6477502560	6275643200	6174481065	4
Aroclor-1254-1	(1)	338668376	359337472	379562628	402119132	418187300	379574982	8
Aroclor-1254-2	(2)	291859728	310115756	327944084	347727744	356229960	326775454	8
Aroclor-1254-3	(3)	475332844	499809000	523764968	549245752	582561520	526142817	8
Aroclor-1254-4	(4)	302105681	318736953	335883014	351987900	371678540	336078418	8
Aroclor-1254-5	(5)	429218631	452008725	475302254	500931908	514812140	474454732	7
Decachlorobiphenyl		4923933440	5141137400	5443620080	5700682920	5862774600	5414429688	7
Tetrachloro-m-xylene		5948877150	6190104627	6408412200	6583454240	6338928400	6293955323	4
Aroclor-1268-1	(1)	930869745	936595251	978341018	1015935428	986319920	969612272	4

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	856384474	860524951	901691384	934576100	909379560	892511294	4
Aroclor-1268-3	(3)	718671507	725558572	764699306	799960100	785246420	758827181	5
Aroclor-1268-4	(4)	311213814	313193287	331181486	347305704	329997080	326578274	5
Aroclor-1268-5	(5)	2117705977	2107339941	2194587578	2235031552	2137458100	2158424630	3
Decachlorobiphenyl		8888535700	9012836760	9503909100	9956674120	9729229000	9418236936	5
Tetrachloro-m-xylene		6171599970	6168104493	6441282720	6673989440	6170217200	6325038765	4

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: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Instrument ID: ECD_O **Calibration Date(s):** 05/14/2025 05/15/2025

Calibration Times: 17:19 01:31

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

LAB FILE ID: **CF 1000 =** PO111058.D **CF 750 =** PO111059.D

CF 500 = PO111060.D **CF 250 =** PO111061.D **CF 050 =** PO111062.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	175951340	184131151	190391494	201135208	203027340	190927307	6
Aroclor-1016-2	(2)	259304006	268965180	279695444	293662868	283996940	277124888	5
Aroclor-1016-3	(3)	136562816	142759844	148101780	155422472	147528240	146075030	5
Aroclor-1016-4	(4)	108537077	112835540	120886250	129636068	128548860	120088759	8
Aroclor-1016-5	(5)	141286439	151385859	154206636	161907480	163215520	154400387	6
Aroclor-1260-1	(1)	230380518	239225432	248869338	264781264	266186040	249888518	6
Aroclor-1260-2	(2)	272772980	284661173	294194664	310691584	309118120	294287704	5
Aroclor-1260-3	(3)	260160385	271476124	281551496	303268832	317136960	286718759	8
Aroclor-1260-4	(4)	184546577	192670083	200645580	215256196	210698140	200763315	6
Aroclor-1260-5	(5)	441090120	451615468	461646416	479352764	464333260	459607606	3
Decachlorobiphenyl		1699216120	1787921307	1869222220	1982547480	1911821600	1850145745	6
Tetrachloro-m-xylene		5406429520	5548905467	5601909540	5641328400	5058606000	5451435785	4
Aroclor-1242-1	(1)	150759764	157292616	165241112	172974524	159265900	161106783	5
Aroclor-1242-2	(2)	223621907	231686419	240612100	250441092	226668900	234606084	5
Aroclor-1242-3	(3)	118098683	122379071	128101210	133446692	116067680	123618667	6
Aroclor-1242-4	(4)	114724574	119985329	127001834	134027396	122337120	123615251	6
Aroclor-1242-5	(5)	142391198	148226844	155505330	163277824	150532140	151986667	5
Decachlorobiphenyl		1649752350	1732528187	1806674400	1933059040	1771454800	1778693755	6
Tetrachloro-m-xylene		5396035140	5504454880	5603860600	5606837360	4728358600	5367909316	7
Aroclor-1248-1	(1)	116677575	122377953	128716756	138512244	142355880	129728082	8
Aroclor-1248-2	(2)	159784658	166591041	175162942	187618608	190301260	175891702	7
Aroclor-1248-3	(3)	169685896	176680541	185649606	199757956	206297360	187614272	8
Aroclor-1248-4	(4)	198935902	206440528	216987222	226820008	250016460	219840024	9
Aroclor-1248-5	(5)	198293592	205844156	215149564	228236984	244101860	218325231	8
Decachlorobiphenyl		1675757640	1739961147	1894631500	1998157320	2119618200	1885625161	10
Tetrachloro-m-xylene		5392118780	5499156400	5577007680	5634478280	5189850400	5458522308	3
Aroclor-1254-1	(1)	294845056	308276565	323607480	339068536	354395480	324038623	7
Aroclor-1254-2	(2)	254192198	266619067	281454614	297953104	316004460	283244689	9
Aroclor-1254-3	(3)	400479051	415178477	433542960	448248844	459811580	431452182	6
Aroclor-1254-4	(4)	228881544	238106540	250287146	259634416	259809520	247343833	6
Aroclor-1254-5	(5)	318351803	329524227	344594700	358702264	378528780	345940355	7
Decachlorobiphenyl		1730307610	1804634267	1900572880	2018627520	2049052800	1900639015	7
Tetrachloro-m-xylene		5453750800	5591916973	5732062480	5726435600	5385705600	5577974291	3
Aroclor-1268-1	(1)	505658591	508360996	529570342	550274560	556601860	530093270	4

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	460495321	464888113	483851588	503248308	499197120	482336090	4
Aroclor-1268-3	(3)	328655790	333834055	349506788	366413796	363835440	348449174	5
Aroclor-1268-4	(4)	119697414	122740856	130580600	138639360	124687920	127269230	6
Aroclor-1268-5	(5)	727936615	731233425	757715258	780322444	766884820	752818512	3
Decachlorobiphenyl		3022618140	3077226480	3258756880	3437439920	3301382200	3219484724	5
Tetrachloro-m-xylene		5636439670	5594566640	5754942040	5800136080	5153076200	5587832126	5

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Instrument ID: ECD_O **Date(s) Analyzed:** 05/14/2025 05/15/2025

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	3.90	3.80	4.00	87106400
		2	3.98	3.88	4.08	63703800
		3	4.06	3.96	4.16	192327000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.06	3.96	4.16	153174000
		2	4.55	4.45	4.65	81946400
		3	4.79	4.69	4.89	152927000
		4	4.97	4.87	5.07	82251400
		5	5.01	4.91	5.11	54259200
Aroclor-1262	500	1	6.82	6.72	6.92	486664000
		2	7.33	7.23	7.43	808494000
		3	7.61	7.51	7.71	338264000
		4	7.67	7.57	7.77	590414000
		5	8.17	8.07	8.27	285216000

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Instrument ID: ECD_O **Date(s) Analyzed:** 05/14/2025 05/15/2025

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	3.89	3.79	3.99	73843000
		2	3.98	3.88	4.08	54414200
		3	4.05	3.95	4.15	167101000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.05	3.95	4.15	130595000
		2	4.78	4.68	4.88	131160000
		3	4.95	4.85	5.05	68071600
		4	5.04	4.94	5.14	61676400
		5	5.21	5.11	5.31	65732600
Aroclor-1262	500	1	6.79	6.69	6.89	340780000
		2	7.29	7.19	7.39	502862000
		3	7.57	7.47	7.67	187635000
		4	7.64	7.54	7.74	330230000
		5	8.13	8.03	8.23	112306000

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111058.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 17:19
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 18:08:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed May 14 18:04:23 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...	3.683	3.679	566.6E6	540.6E6	97.048	98.224
2) SA	Decachlor...	8.725	8.674	478.9E6	169.9E6	96.011	95.236
	Target Compounds						
3) L1	AR-1016-1	4.774	4.758	206.0E6	176.0E6	952.674	960.583
4) L1	AR-1016-2	4.792	4.777	293.9E6	259.3E6	955.638	962.168
5) L1	AR-1016-3	4.849	4.952	200.1E6	136.6E6	952.178	959.465
6) L1	AR-1016-4	4.969	4.995	160.3E6	108.5E6	952.487	946.173
7) L1	AR-1016-5	5.226	5.207	161.9E6	141.3E6	952.159	956.276
31) L7	AR-1260-1	6.265	6.238	277.6E6	230.4E6	951.689	961.421
32) L7	AR-1260-2	6.456	6.426	349.8E6	272.8E6	953.539	962.217
33) L7	AR-1260-3	6.822	6.579	317.0E6	260.2E6	952.218	960.512
34) L7	AR-1260-4	7.083	7.049	251.8E6	184.5E6	942.701	958.205
35) L7	AR-1260-5	7.325	7.290	680.9E6	441.1E6	966.946	977.229

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

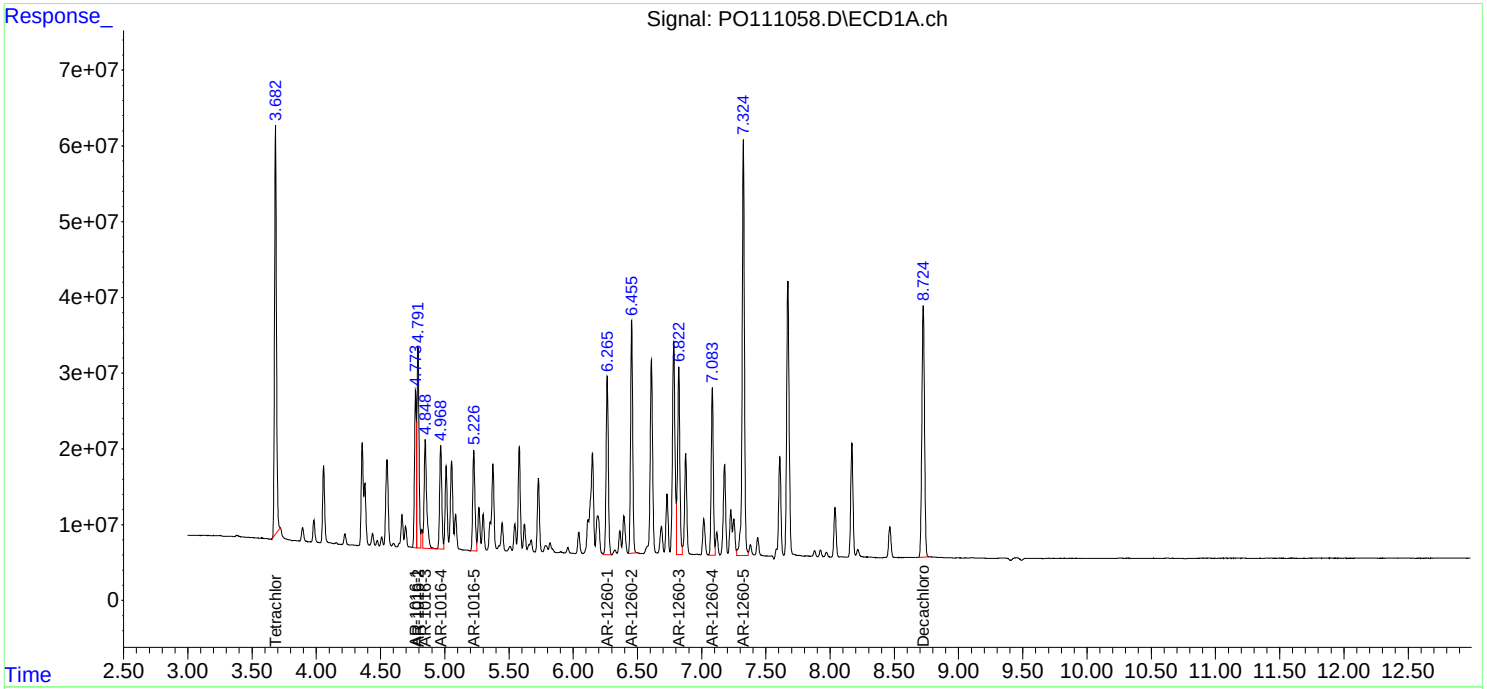
ICAL Form

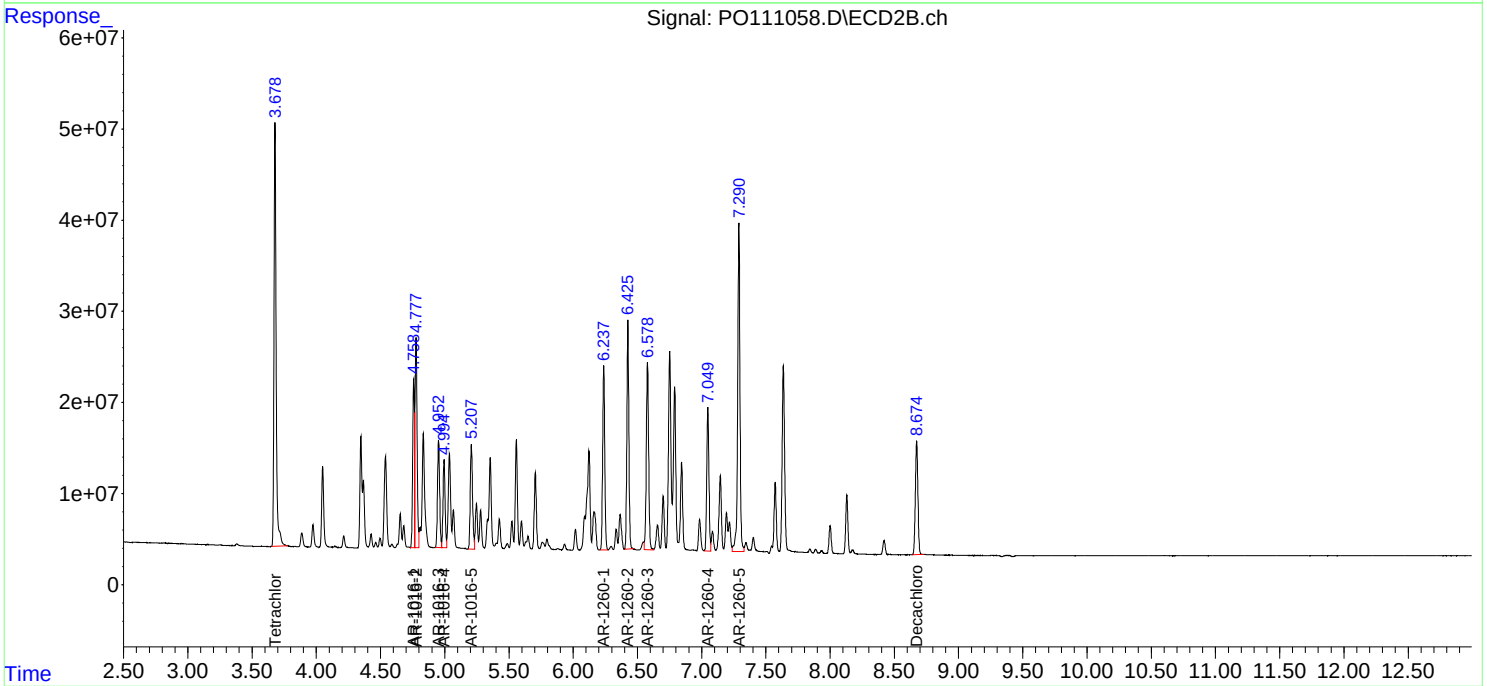
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111058.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 17:19
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 18:08:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed May 14 18:04:23 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_O\Data\PO051525\
Data File : PO111059.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 17:38
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 18:11:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed May 14 18:04:23 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...	3.682	3.679	440.5E6	416.2E6	75.304	75.405
2)	SA Decachlor...	8.725	8.674	374.2E6	134.1E6	75.009	75.104
	Target Compounds						
3)	L1 AR-1016-1	4.773	4.759	160.4E6	138.1E6	744.545	752.615
4)	L1 AR-1016-2	4.792	4.777	232.6E6	201.7E6	754.136	749.008
5)	L1 AR-1016-3	4.848	4.953	158.0E6	107.1E6	751.128	751.500
6)	L1 AR-1016-4	4.968	4.995	126.5E6	84626655	751.228	741.778
7)	L1 AR-1016-5	5.226	5.208	131.9E6	113.5E6	766.830	762.216
31)	L7 AR-1260-1	6.266	6.238	220.3E6	179.4E6	753.599	749.166
32)	L7 AR-1260-2	6.455	6.427	275.8E6	213.5E6	751.265	752.074
33)	L7 AR-1260-3	6.822	6.578	250.5E6	203.6E6	751.557	751.527m
34)	L7 AR-1260-4	7.083	7.050	200.8E6	144.5E6	751.095	750.192
35)	L7 AR-1260-5	7.325	7.291	530.2E6	338.7E6	751.885	750.274

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111059.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 17:38
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

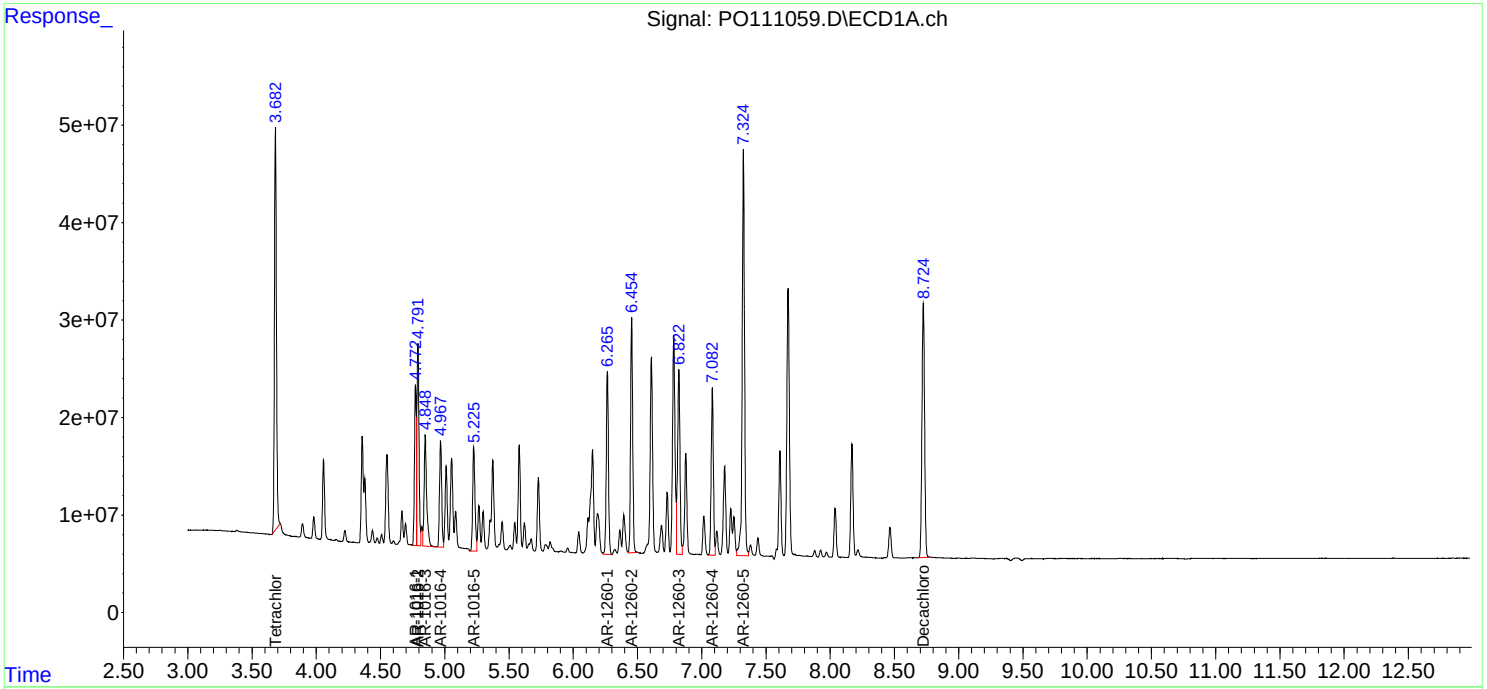
Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

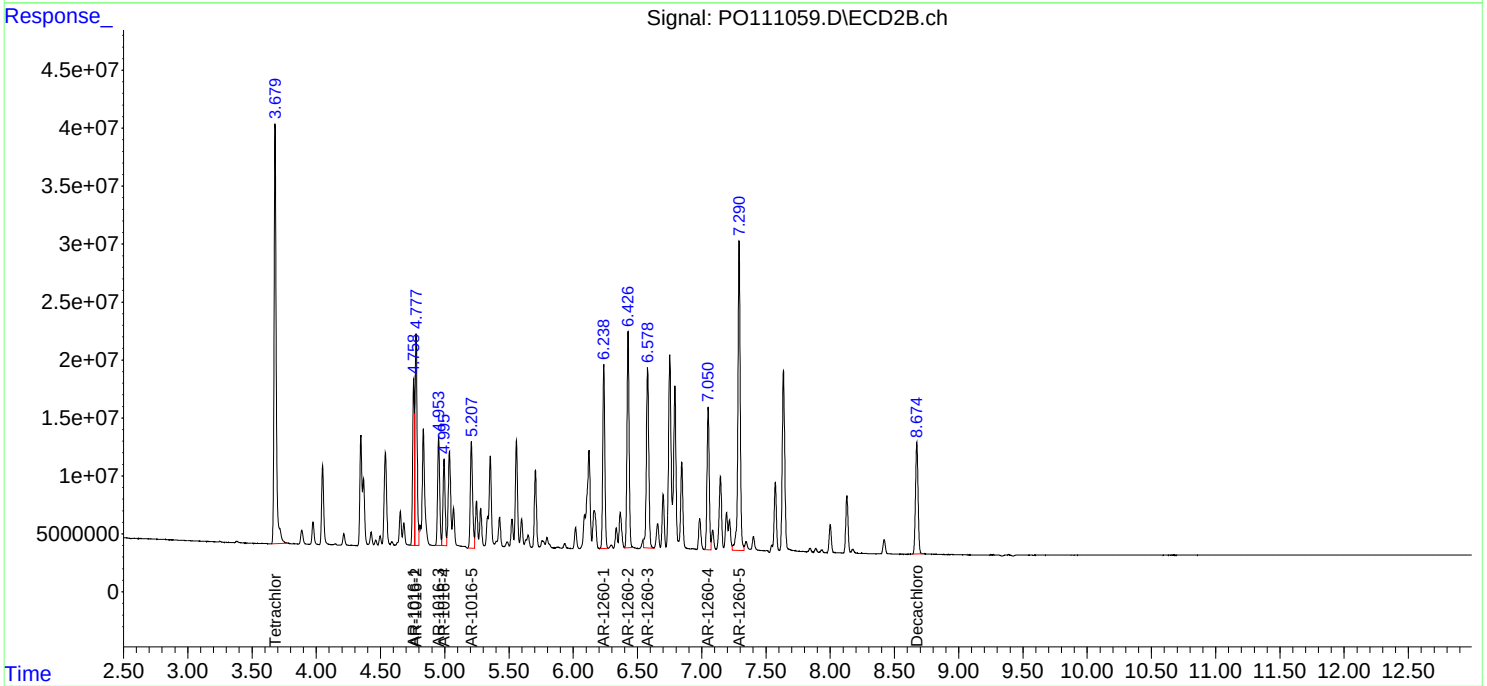
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 18:11:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed May 14 18:04:23 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_O\Data\PO051525\
Data File : PO111060.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 17:56
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 18:04:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed May 14 18:04:23 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...	3.682	3.679	300.5E6	280.1E6	50.000	50.000
2)	SA Decachlor...	8.724	8.674	259.4E6	93461111	50.000	50.000
	Target Compounds						
3)	L1 AR-1016-1	4.773	4.758	113.2E6	95195747	500.000	500.000
4)	L1 AR-1016-2	4.792	4.777	160.6E6	139.8E6	500.000	500.000
5)	L1 AR-1016-3	4.849	4.952	110.1E6	74050890	500.000	500.000
6)	L1 AR-1016-4	4.969	4.994	88145331	60443125	500.000	500.000
7)	L1 AR-1016-5	5.226	5.207	89083616	77103318	500.000	500.000
31)	L7 AR-1260-1	6.266	6.238	152.9E6	124.4E6	500.000	500.000
32)	L7 AR-1260-2	6.455	6.426	191.9E6	147.1E6	500.000	500.000
33)	L7 AR-1260-3	6.822	6.579	174.4E6	140.8E6	500.000	500.000
34)	L7 AR-1260-4	7.083	7.049	141.2E6	100.3E6	500.000	500.000
35)	L7 AR-1260-5	7.325	7.291	363.7E6	230.8E6	500.000	500.000

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

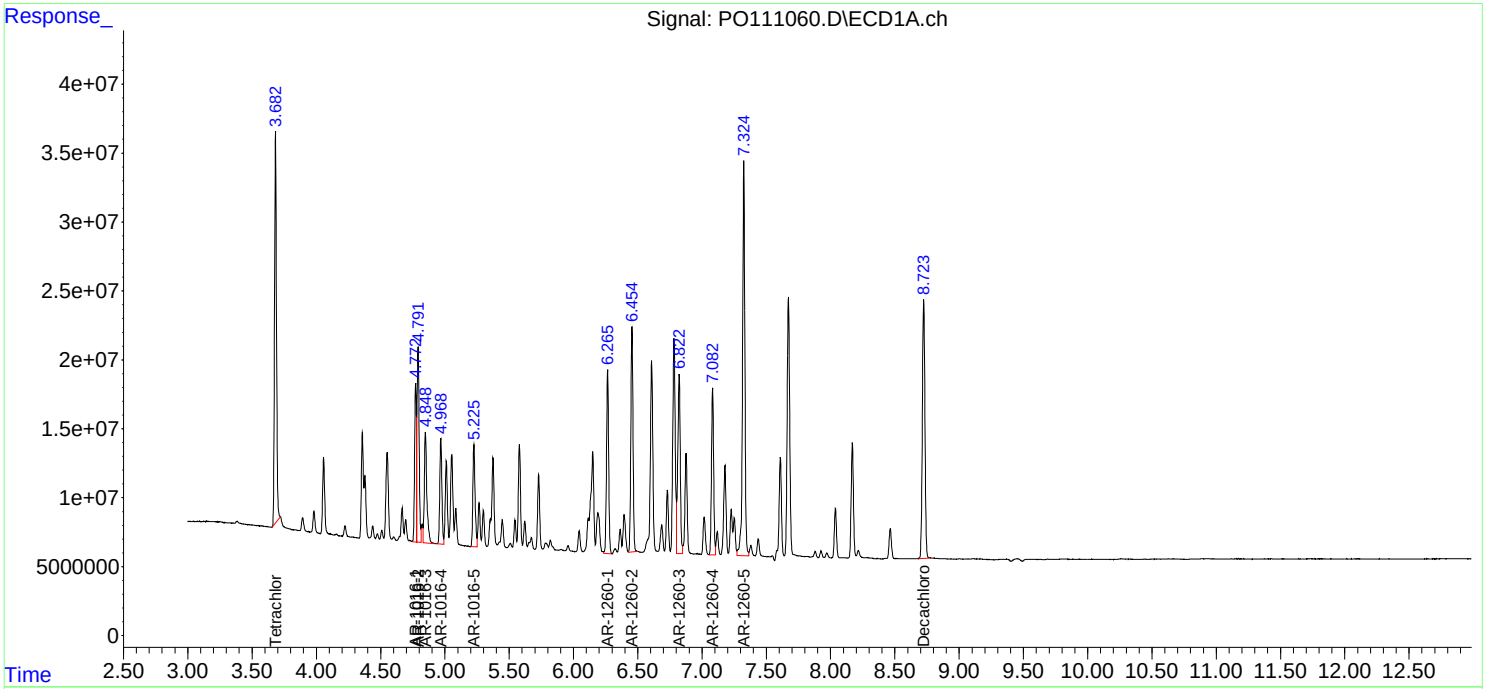
ICAL Form

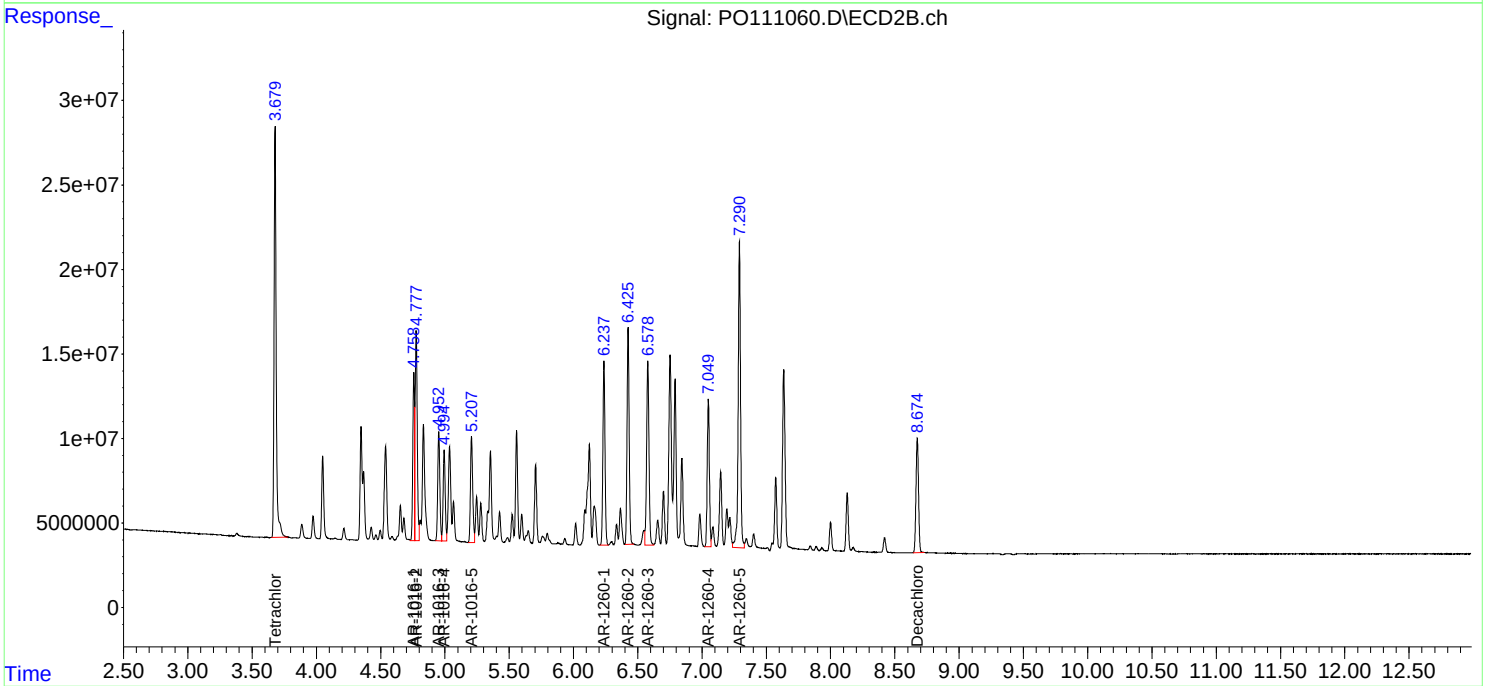
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111060.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 17:56
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 18:04:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed May 14 18:04:23 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_O\Data\PO051525\
Data File : PO111061.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 18:15
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 18:23:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed May 14 18:22:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.682	3.679	154.2E6	141.0E6	26.005	25.413
2) SA	Decachlor...	8.724	8.675	137.9E6	49563687	26.929	27.014
	Target Compounds						
3) L1	AR-1016-1	4.772	4.758	60421232	50283802	272.203	267.606
4) L1	AR-1016-2	4.791	4.777	85104928	73415717	268.958	266.572
5) L1	AR-1016-3	4.847	4.952	58407253	38855618	271.623m	266.661
6) L1	AR-1016-4	4.968	4.994	46963647	32409017	271.015	274.714
7) L1	AR-1016-5	5.226	5.207	46806652	40476870	266.282	265.951
31) L7	AR-1260-1	6.265	6.237	82969435	66195316	274.520	269.290
32) L7	AR-1260-2	6.455	6.426	102.9E6	77672896	272.015	267.303
33) L7	AR-1260-3	6.822	6.578	93348146	75817208	271.913	271.635
34) L7	AR-1260-4	7.082	7.049	76451534	53814049	276.083	271.405
35) L7	AR-1260-5	7.324	7.290	190.0E6	119.8E6	264.350	261.412

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111061.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 18:15
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

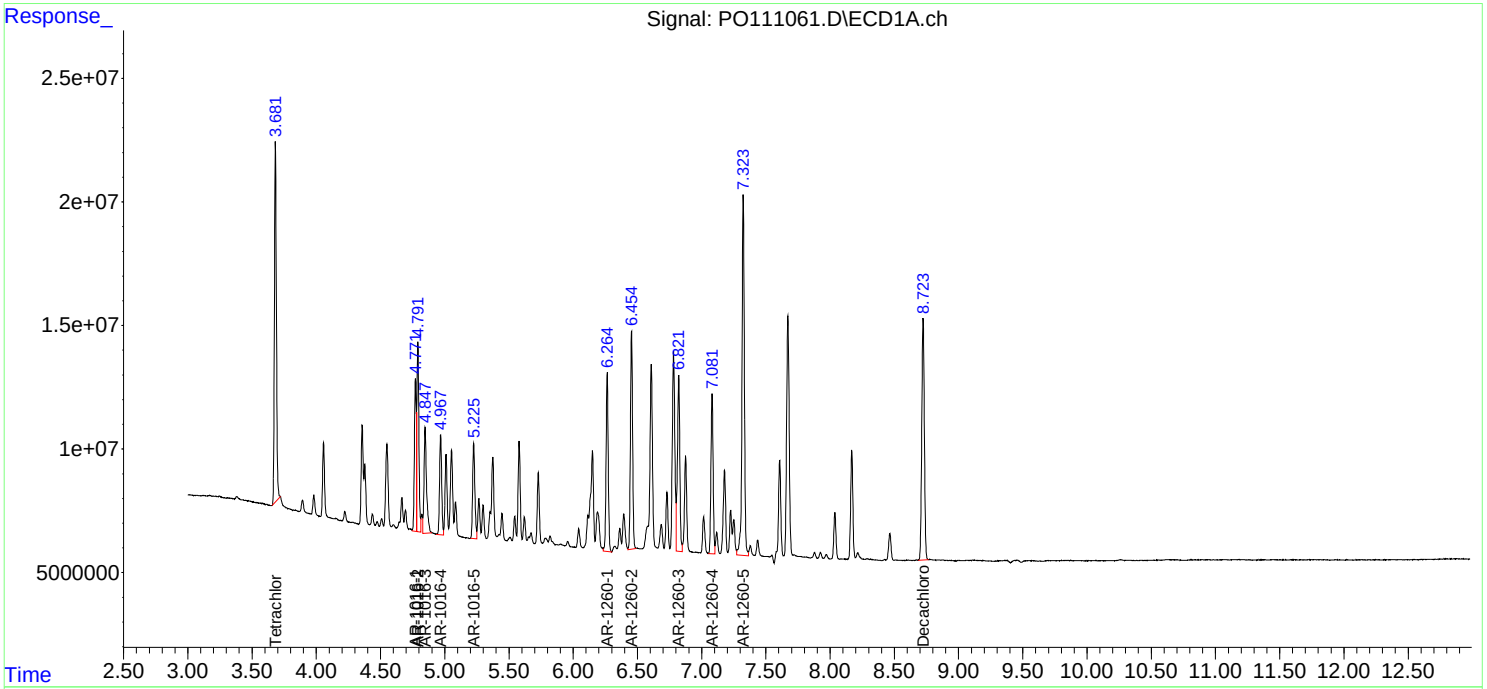
Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

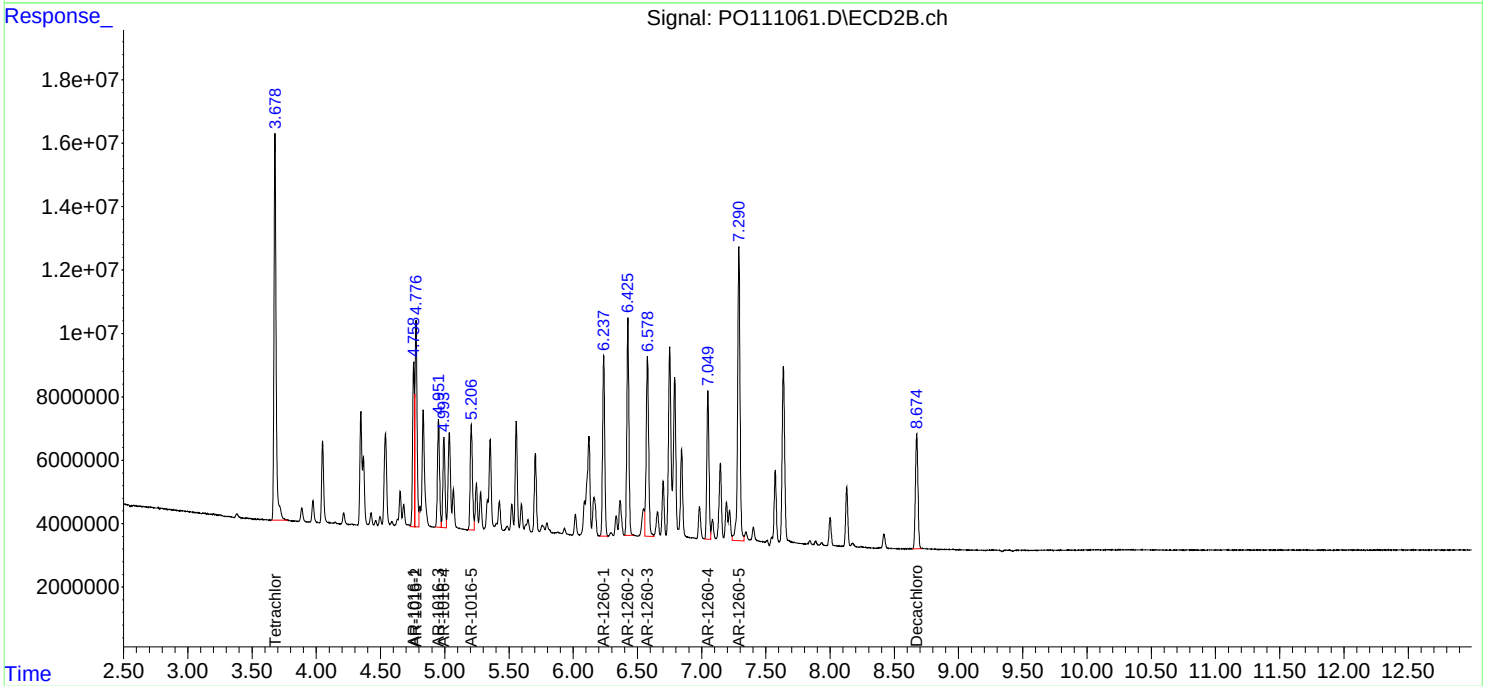
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 18:23:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed May 14 18:22:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_O\Data\PO051525\
Data File : PO111062.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 18:33
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 18:42:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed May 14 18:42:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.683	3.679	28493753	25293030	4.843	4.640
2) SA	Decachlor...	8.723	8.673	26671186	9559108	5.166	5.167
	Target Compounds						
3) L1	AR-1016-1	4.773	4.758	11869714	10151367	52.741	53.169
4) L1	AR-1016-2	4.792	4.777	16448550	14199847	51.574	51.240
5) L1	AR-1016-3	4.849	4.953	11050750	7376412	50.896	50.497
6) L1	AR-1016-4	4.969	4.995	8879453	6427443	50.988	53.522
7) L1	AR-1016-5	5.226	5.207	8842201	8160776	50.242	52.855
31) L7	AR-1260-1	6.265	6.238	15795099	13309302	51.824m	53.261
32) L7	AR-1260-2	6.454	6.426	20091573	15455906	52.473m	52.520
33) L7	AR-1260-3	6.822	6.577	18486670	15856848	53.033	54.622m
34) L7	AR-1260-4	7.081	7.049	14607476	10534907	52.177	52.474
35) L7	AR-1260-5	7.324	7.290	36204522	23216663	50.291	50.514

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111062.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 18:33
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

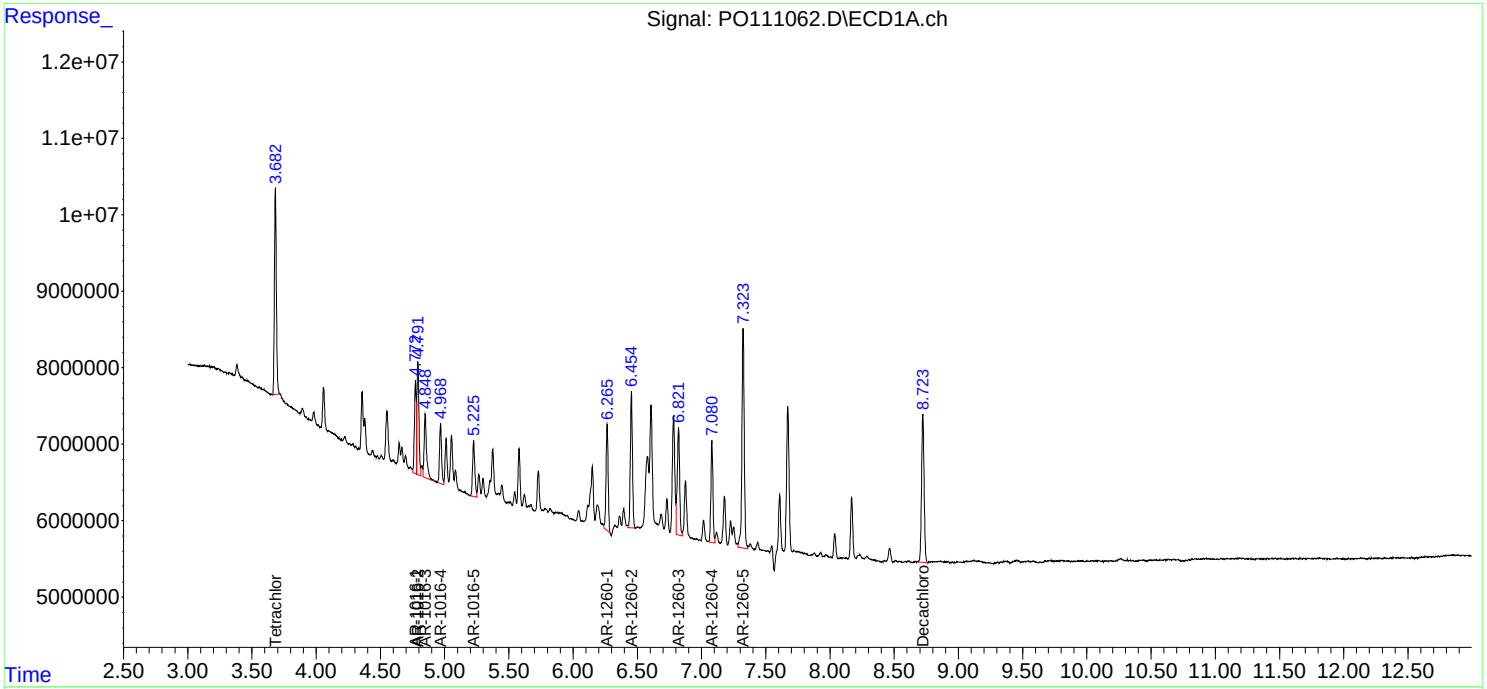
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

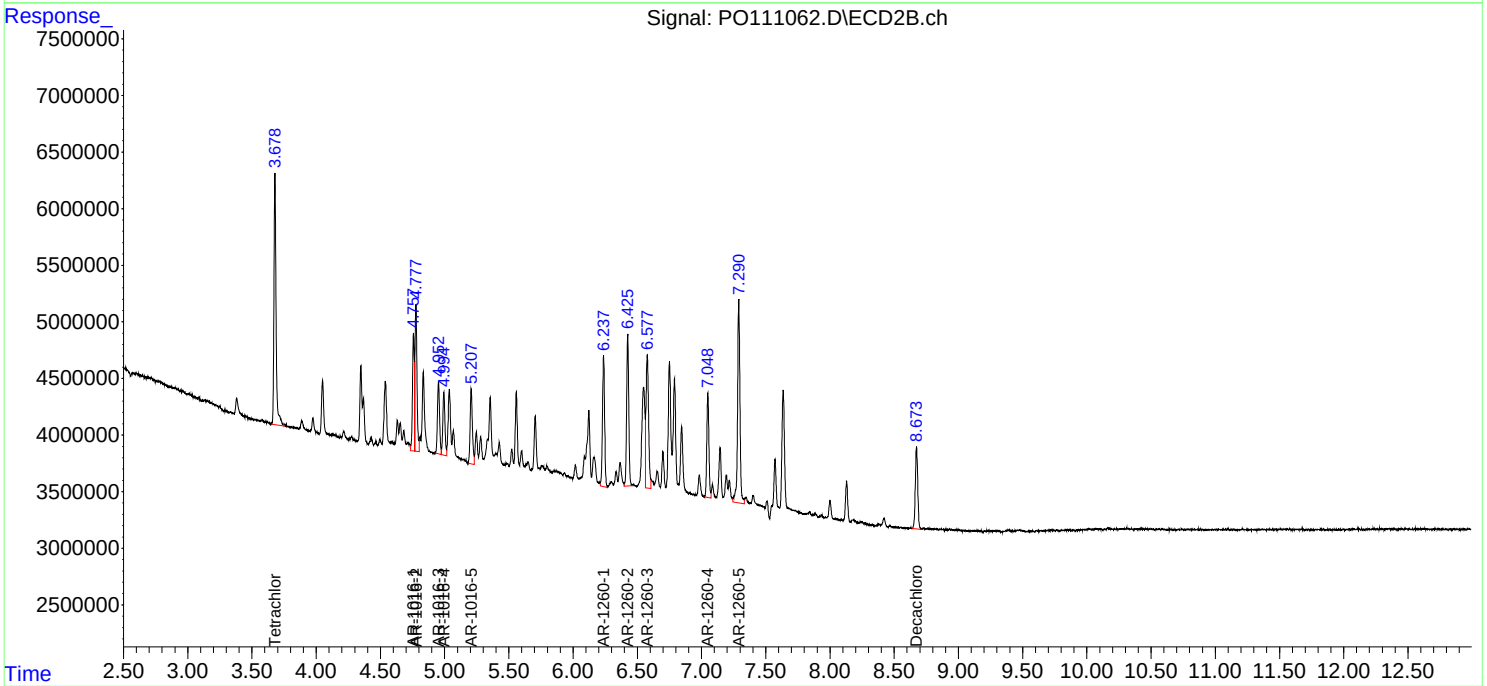
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 18:42:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed May 14 18:42:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111063.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 18:51
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:12:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:09:37 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...	3.683	3.680	288.5E6	284.4E6	50.000	50.000
2)	SA Decachlor...	8.724	8.674	258.5E6	91931505	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	3.895	3.890	43553173	36921483	500.000	500.000
9)	L2 AR-1221-2	3.981	3.975	31851907	27207063	500.000	500.000
10)	L2 AR-1221-3	4.057	4.050	96163744	83550323	500.000	500.000

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

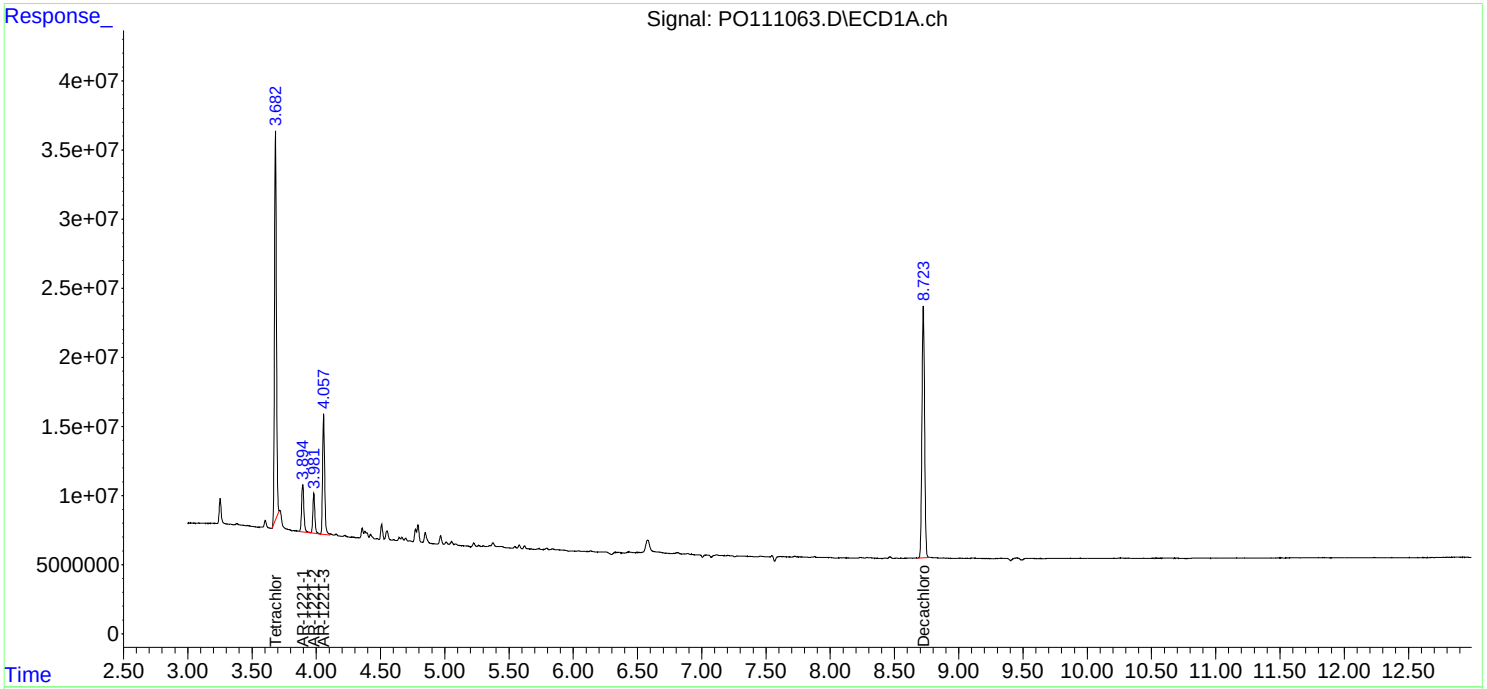
ICAL Form

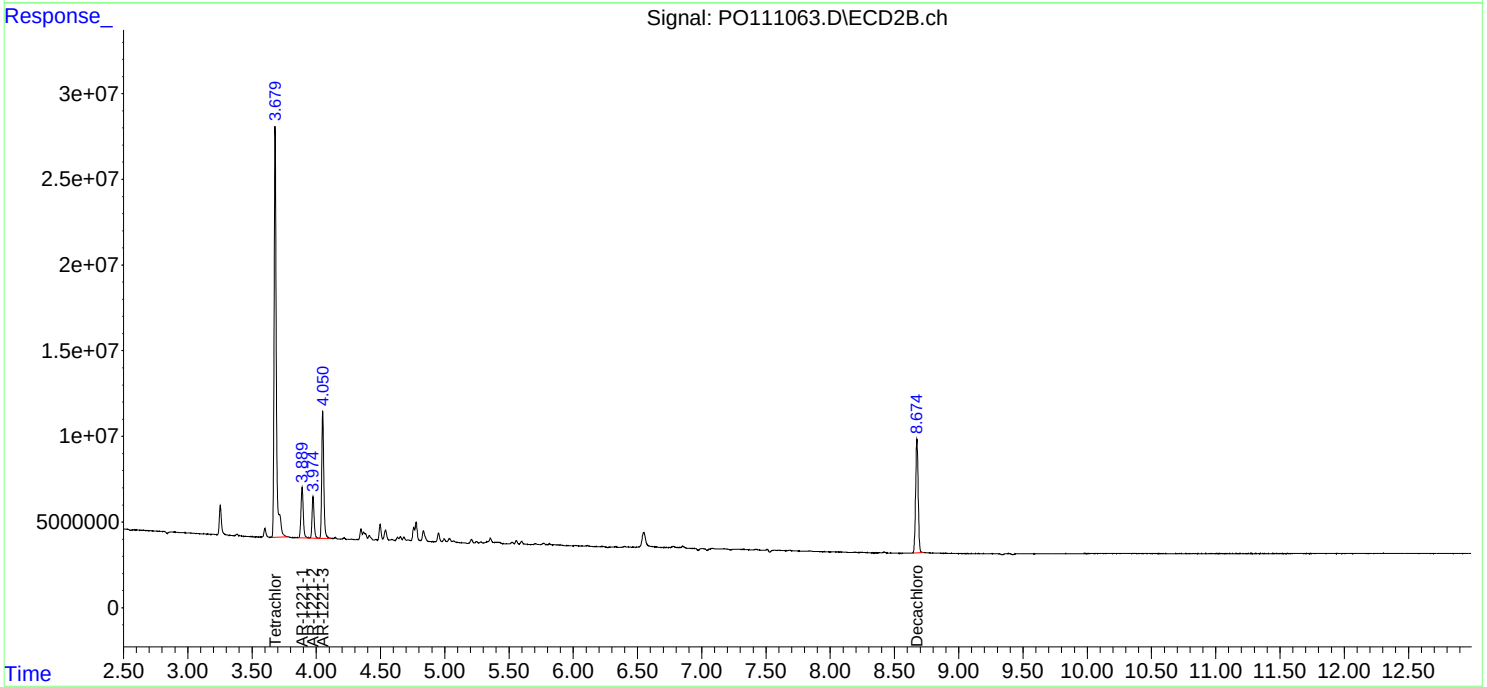
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111063.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 18:51
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:12:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:09:37 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_O\Data\PO051525\
Data File : PO111064.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 19:10
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:17:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:17:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.683	3.679	289.7E6	276.3E6	50.000	50.000
2)	SA Decachlor...	8.724	8.675	254.0E6	89356624	50.000	50.000
	Target Compounds						
11)	L3 AR-1232-1	4.057	4.050	76586849	65297499	500.000	500.000
12)	L3 AR-1232-2	4.551	4.777	40973235	65580176	500.000	500.000
13)	L3 AR-1232-3	4.792	4.952	76463454	34035848	500.000	500.000
14)	L3 AR-1232-4	4.968	5.037	41125705	30838173	500.000	500.000
15)	L3 AR-1232-5	5.012	5.207	27129649	32866275	500.000	500.000

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

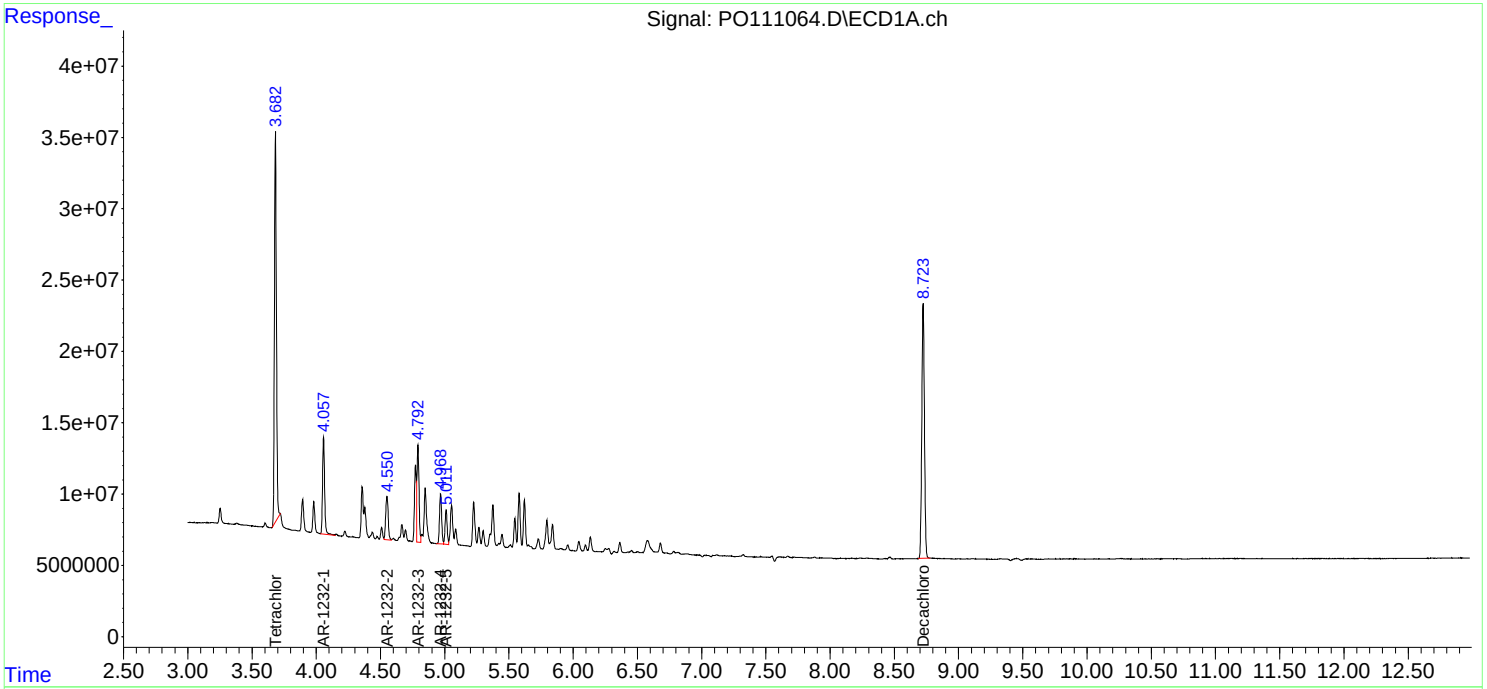
ICAL Form

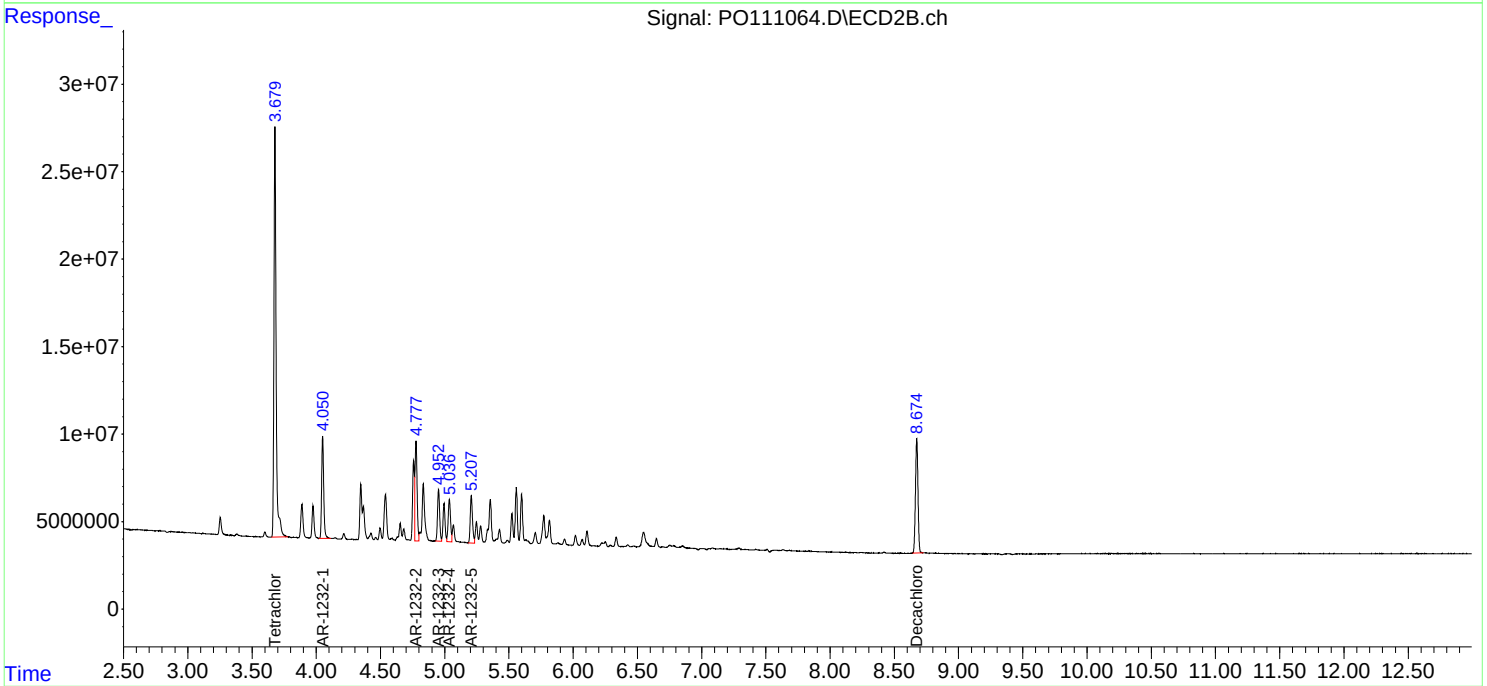
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111064.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 19:10
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:17:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:17:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_O\Data\PO051525\
Data File : PO111065.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 19:28
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:23:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:23:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.682	3.679	568.1E6	539.6E6	94.045	96.291
2)	SA Decachlor...	8.724	8.673	477.4E6	165.0E6	91.361	91.314
	Target Compounds						
16)	L4 AR-1242-1	4.772	4.758	176.7E6	150.8E6	899.610	912.362
17)	L4 AR-1242-2	4.791	4.777	257.7E6	223.6E6	922.296	929.388
18)	L4 AR-1242-3	4.848	4.952	175.2E6	118.1E6	909.545	921.917
19)	L4 AR-1242-4	4.967	5.036	140.2E6	114.7E6	915.805	903.330
20)	L4 AR-1242-5	5.620	5.557	145.2E6	142.4E6	911.278	915.668

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

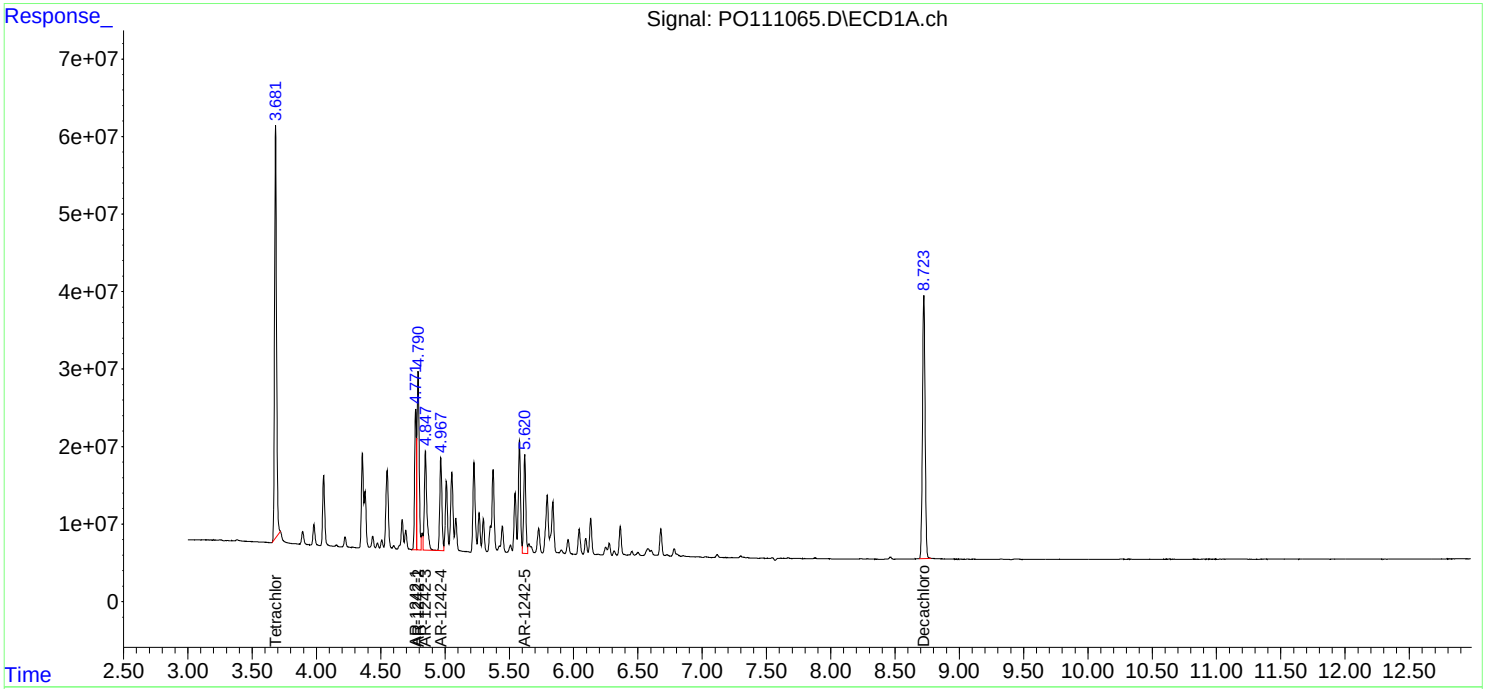
ICAL Form

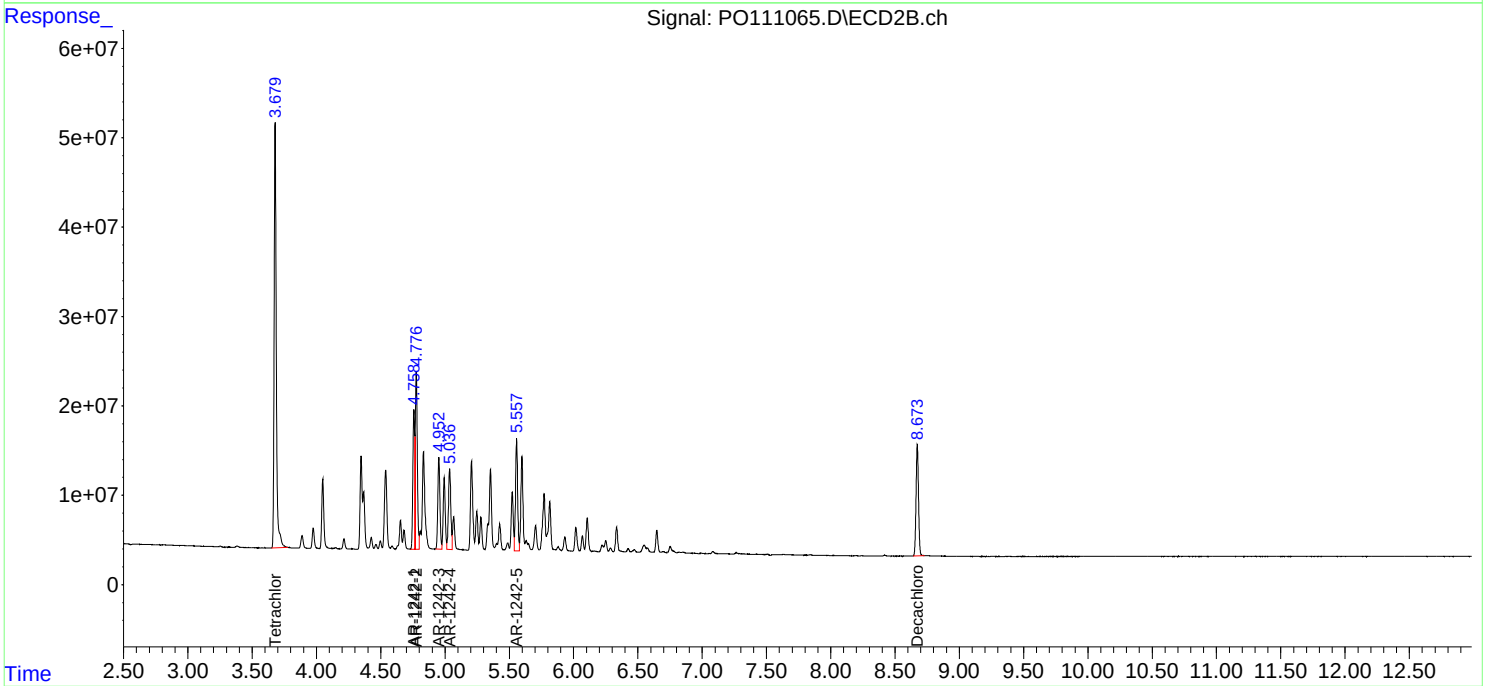
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111065.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 19:28
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:23:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:23:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111066.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 19:46
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:24:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:23:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.683	3.680	437.4E6	412.8E6	72.404	73.670
2)	SA Decachlor...	8.724	8.674	373.9E6	129.9E6	71.548	71.922
	Target Compounds						
16)	L4 AR-1242-1	4.773	4.759	139.3E6	118.0E6	709.065	713.923
17)	L4 AR-1242-2	4.792	4.777	200.8E6	173.8E6	718.638	722.178
18)	L4 AR-1242-3	4.849	4.953	137.2E6	91784303	712.284	716.498
19)	L4 AR-1242-4	4.969	5.037	109.7E6	89988997	716.656	708.565
20)	L4 AR-1242-5	5.622	5.558	114.0E6	111.2E6	715.639	714.896

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

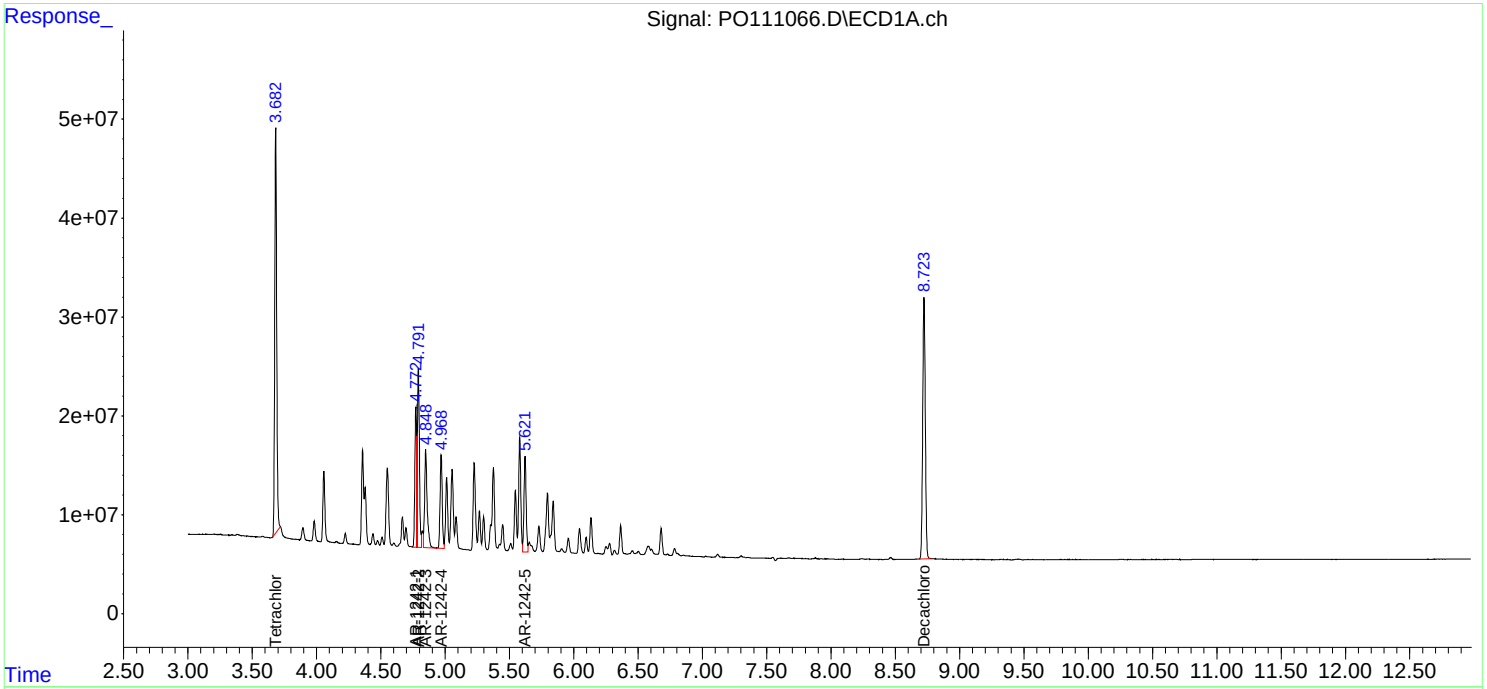
ICAL Form

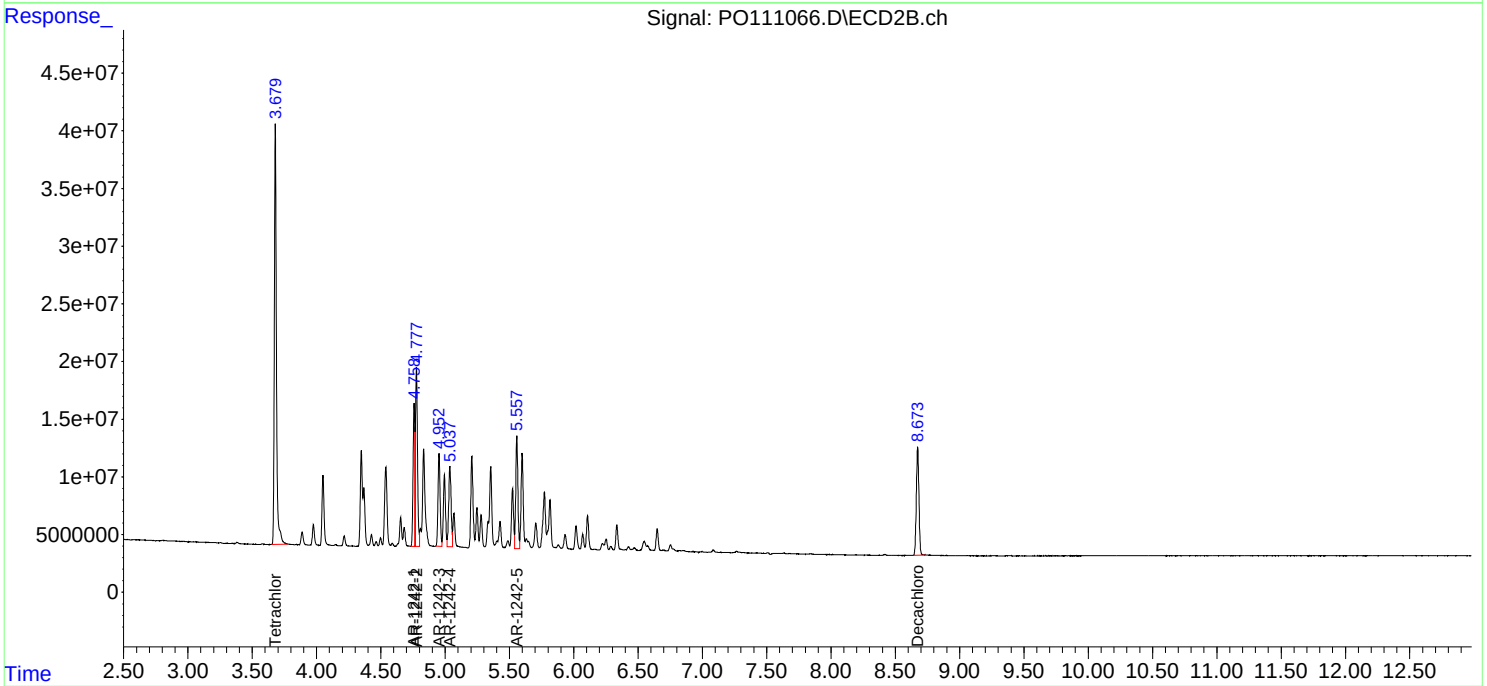
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111066.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 19:46
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:24:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:23:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111067.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 20:05
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:24:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:23:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.683	3.679	302.0E6	280.2E6	50.000	50.000
2)	SA Decachlor...	8.725	8.674	261.3E6	90333720	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	4.773	4.759	98208092	82620556	500.000	500.000
17)	L4 AR-1242-2	4.792	4.778	139.7E6	120.3E6	500.000	500.000
18)	L4 AR-1242-3	4.848	4.953	96305021	64050605	500.000	500.000
19)	L4 AR-1242-4	4.969	5.037	76546823	63500917	500.000	500.000
20)	L4 AR-1242-5	5.621	5.558	79660759	77752665	500.000	500.000

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

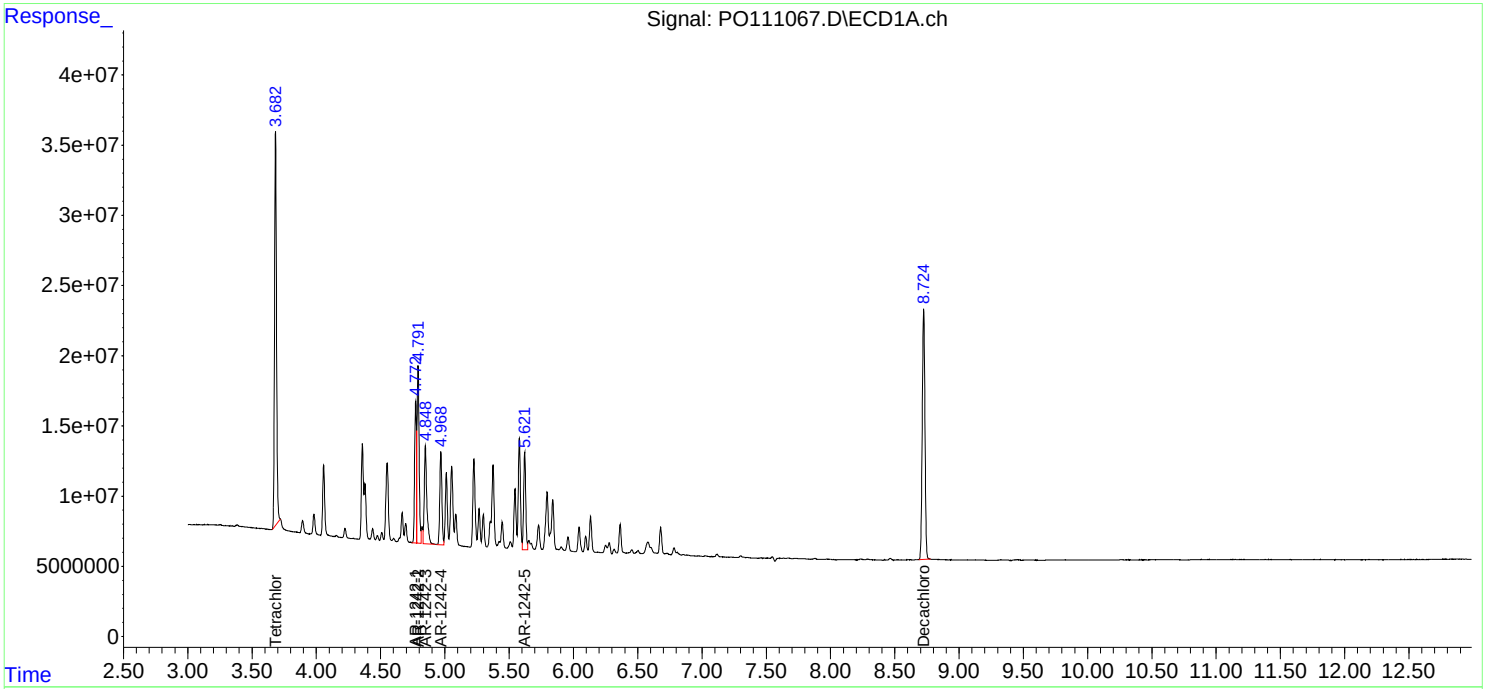
ICAL Form

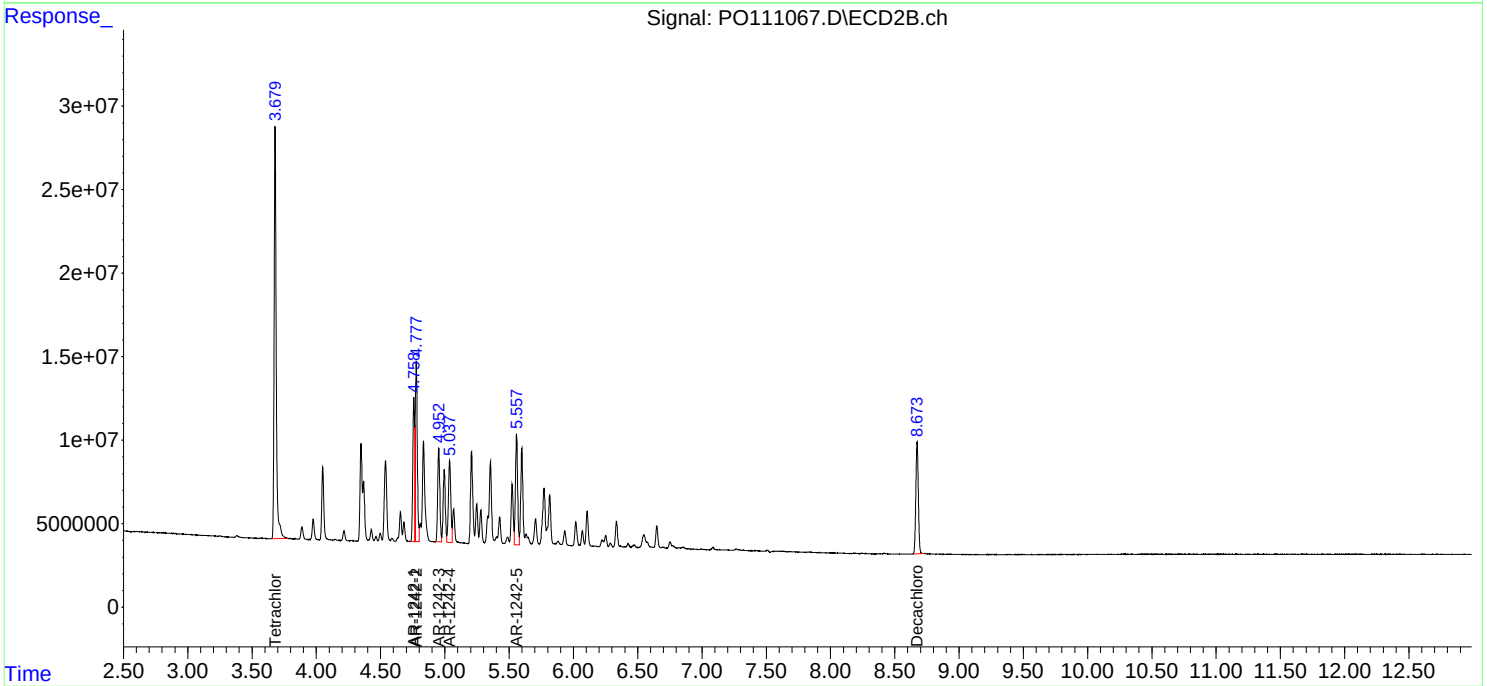
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111067.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 20:05
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:24:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:23:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111068.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 20:23
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:24:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:23:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.682	3.679	154.4E6	140.2E6	25.554	25.013
2)	SA Decachlor...	8.724	8.674	136.9E6	48326476	26.201	26.749
	Target Compounds						
16)	L4 AR-1242-1	4.773	4.758	51769854	43243631	263.572	261.700
17)	L4 AR-1242-2	4.791	4.777	73286157	62610273	262.267	260.212
18)	L4 AR-1242-3	4.848	4.952	50308175	33361673	261.192	260.432
19)	L4 AR-1242-4	4.968	5.037	39985868	33506849	261.186	263.830
20)	L4 AR-1242-5	5.620	5.557	42256879	40819456	265.230	262.496

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

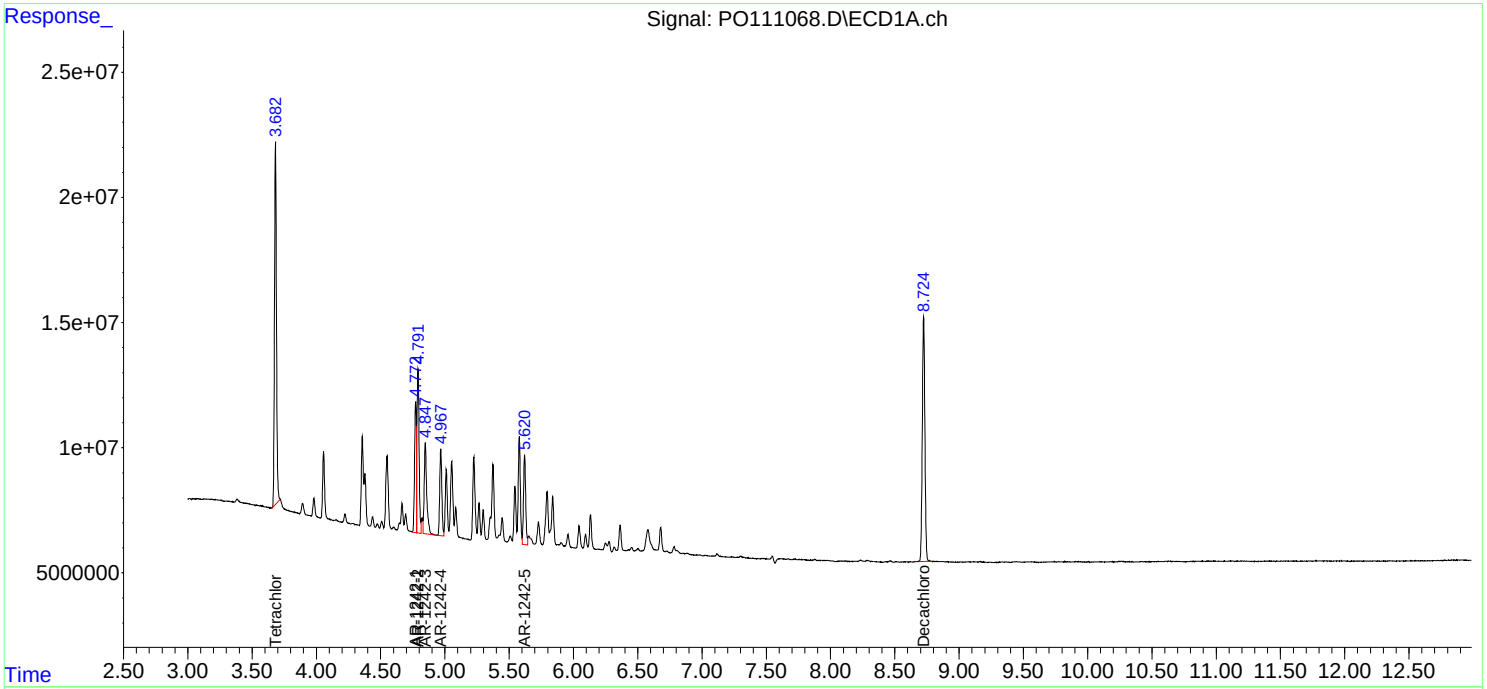
ICAL Form

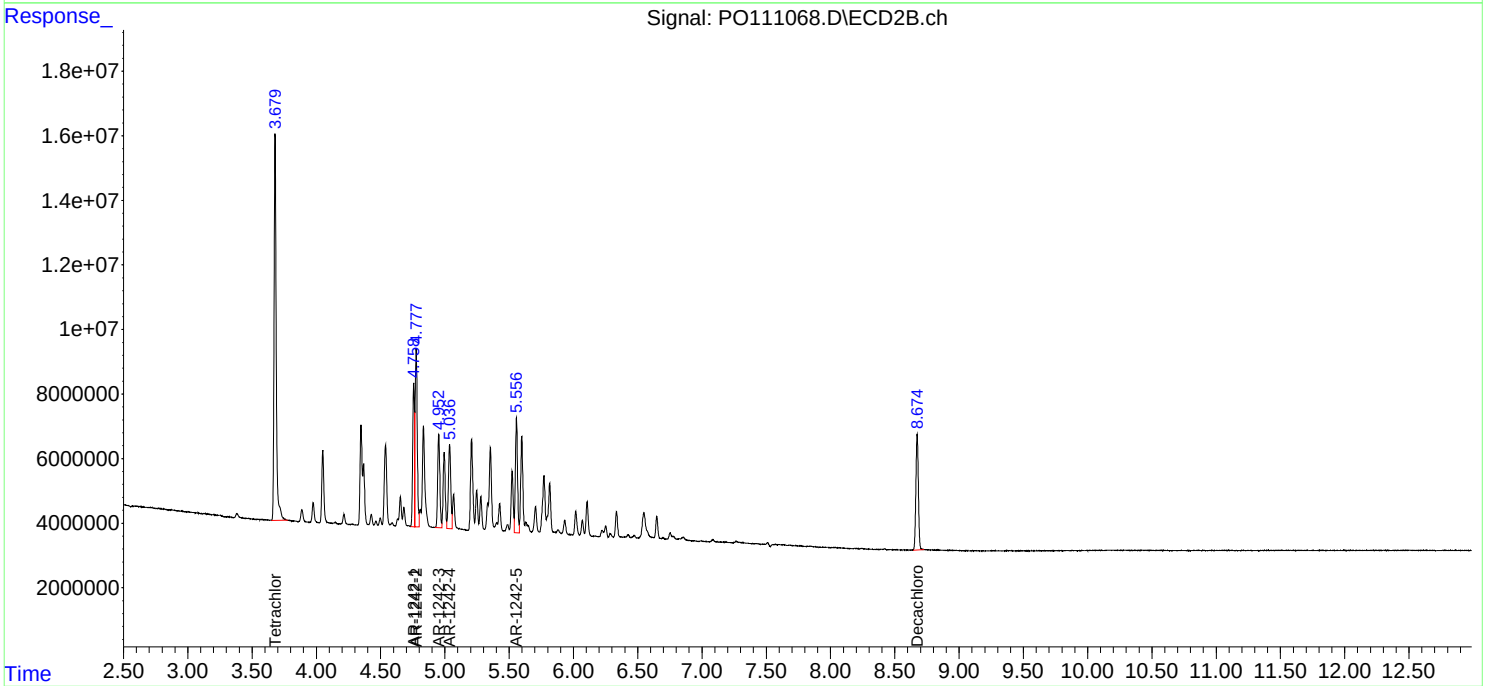
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111068.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 20:23
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:24:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:23:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111069.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 20:41
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:25:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:23:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.682	3.678	26744020	23641793	4.427	4.219
2)	SA Decachlor...	8.723	8.672	25067542	8857274	4.797	4.903
	Target Compounds						
16)	L4 AR-1242-1	4.772	4.758	9505477	7963295	48.395	48.192
17)	L4 AR-1242-2	4.791	4.776	13101291	11333445	46.885	47.103
18)	L4 AR-1242-3	4.848	4.951	8899007	5803384	46.202	45.303
19)	L4 AR-1242-4	4.968	5.036	6973643	6116856	45.551	48.164
20)	L4 AR-1242-5	5.621	5.556	7607608	7526607	47.750	48.401

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

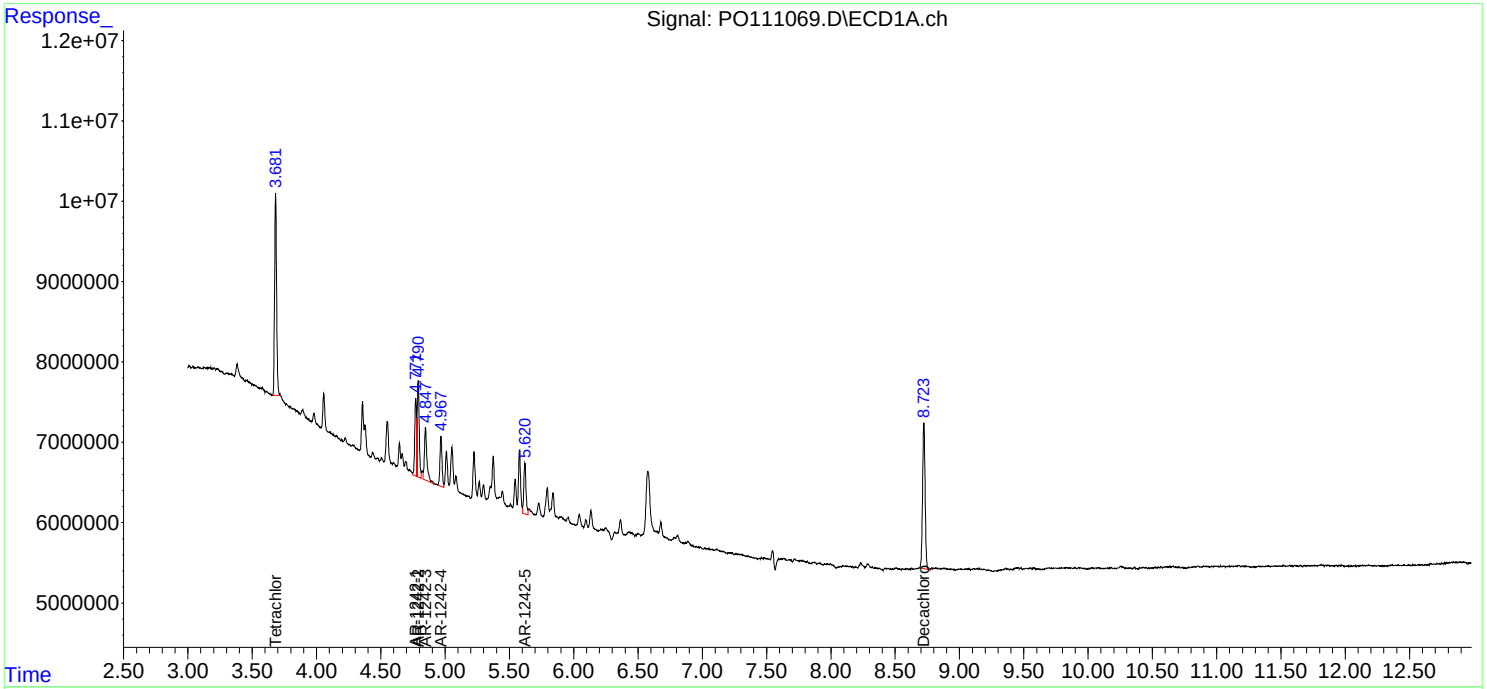
ICAL Form

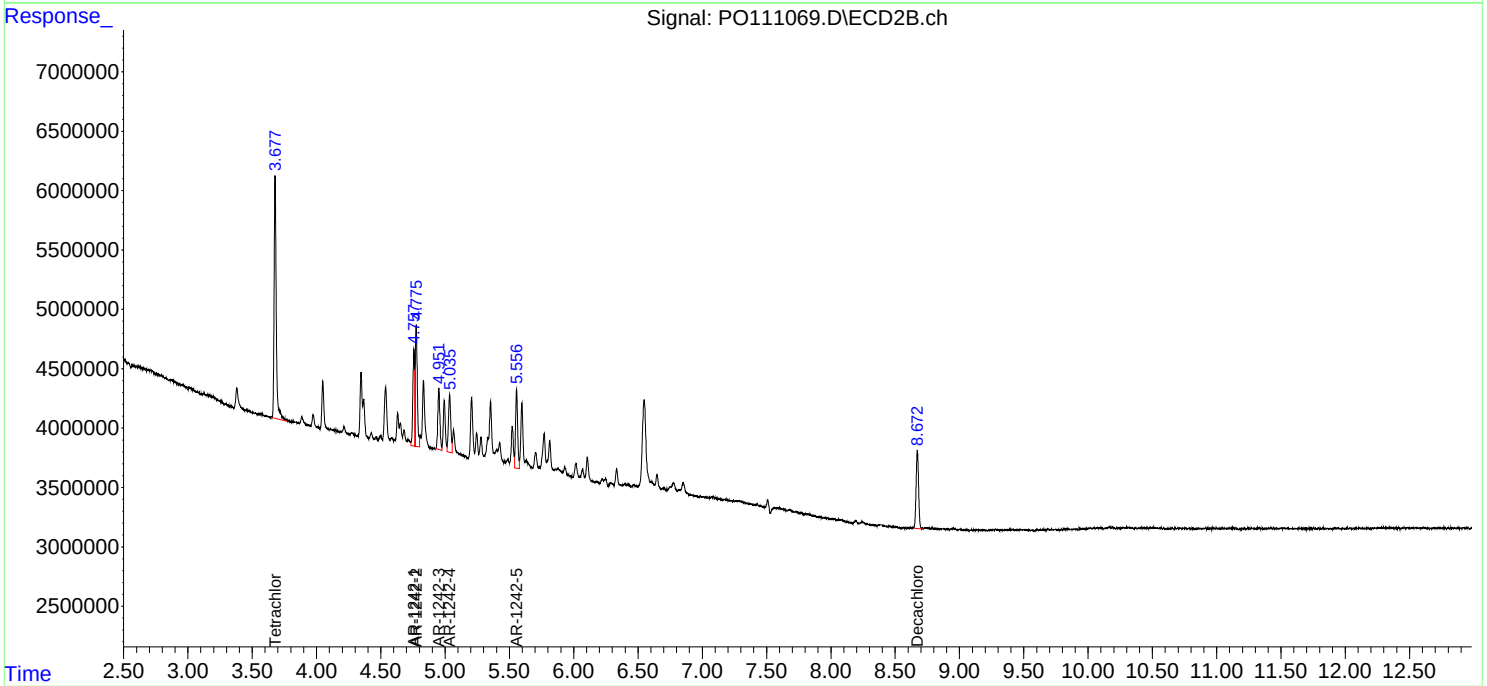
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111069.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 20:41
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:25:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:23:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111070.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 21:00
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:27:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:26:28 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.683	3.680	586.5E6	539.2E6	94.448	96.685
2)	SA Decachlor...	8.723	8.674	486.2E6	167.6E6	92.112	88.448
	Target Compounds						
21)	L5 AR-1248-1	4.774	4.759	138.2E6	116.7E6	902.613	906.468
22)	L5 AR-1248-2	5.012	4.995	182.8E6	159.8E6	909.133	912.206
23)	L5 AR-1248-3	5.226	5.037	227.5E6	169.7E6	906.281	914.012
24)	L5 AR-1248-4	5.580	5.208	324.8E6	198.9E6	911.584	916.809
25)	L5 AR-1248-5	5.622	5.599	233.9E6	198.3E6	908.812	921.655

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

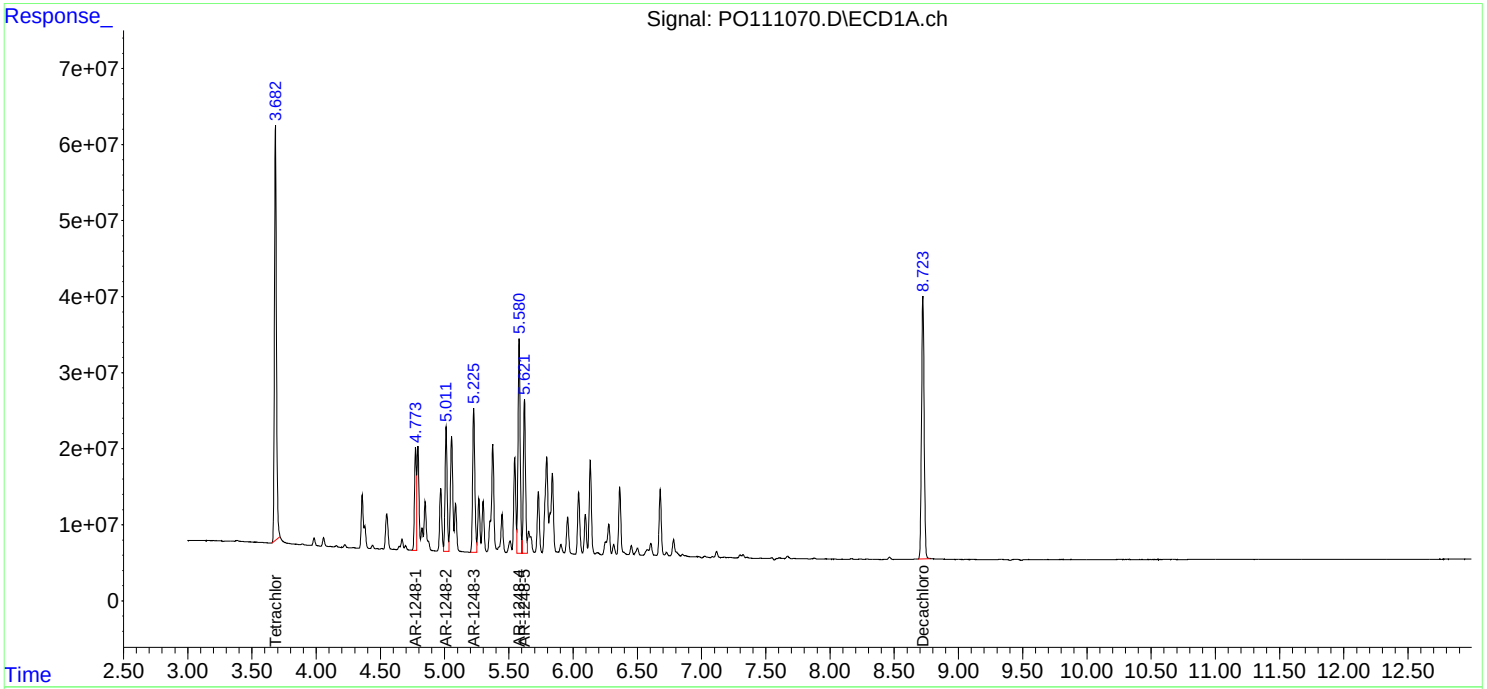
ICAL Form

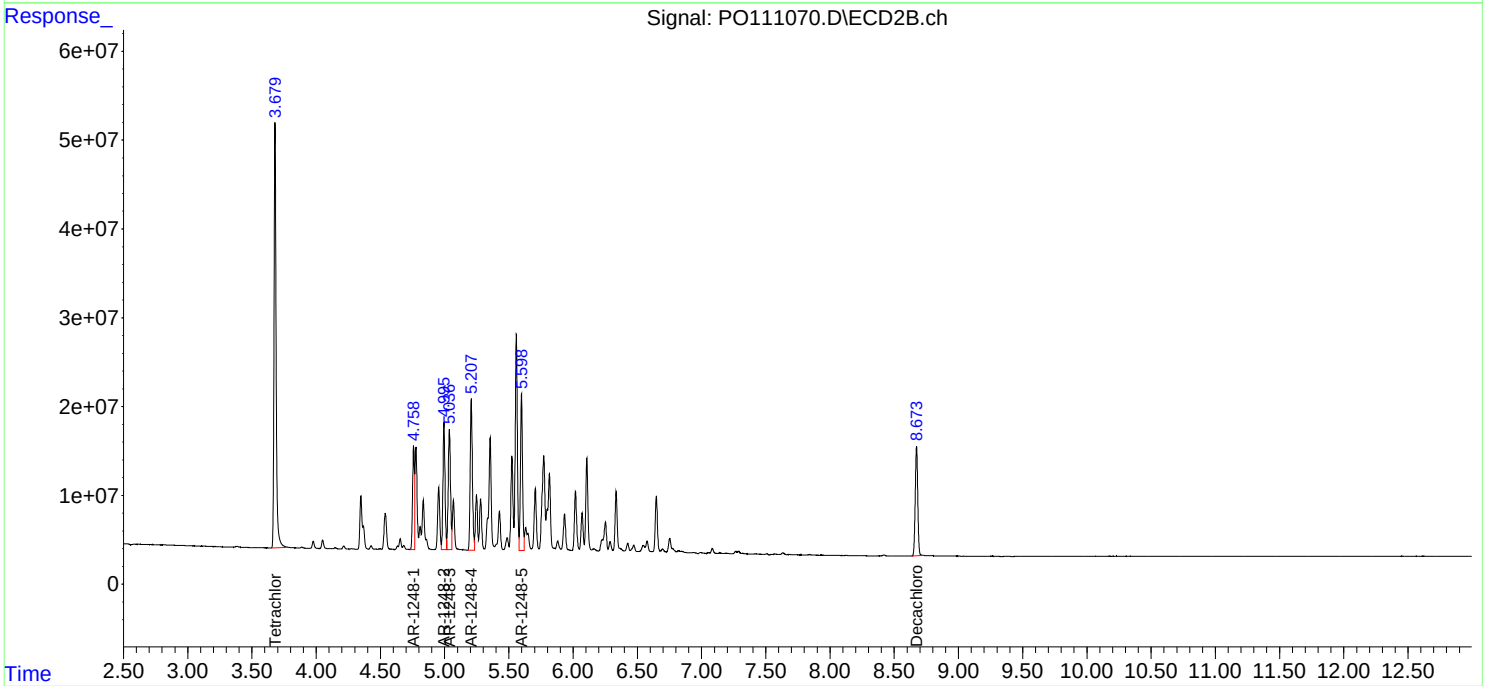
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111070.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 21:00
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:27:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:26:28 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_O\Data\PO051525\
Data File : PO111071.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 21:18
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:27:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:26:28 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.683	3.679	453.4E6	412.4E6	73.021	73.953
2)	SA Decachlor...	8.724	8.674	377.4E6	130.5E6	71.496	68.877
	Target Compounds						
21)	L5 AR-1248-1	4.772	4.758	109.5E6	91783465	715.078	713.065
22)	L5 AR-1248-2	5.011	4.995	142.8E6	124.9E6	710.350	713.297
23)	L5 AR-1248-3	5.225	5.037	178.7E6	132.5E6	712.085	713.766
24)	L5 AR-1248-4	5.580	5.207	252.6E6	154.8E6	709.005	713.546
25)	L5 AR-1248-5	5.621	5.598	182.5E6	154.4E6	708.810	717.562

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

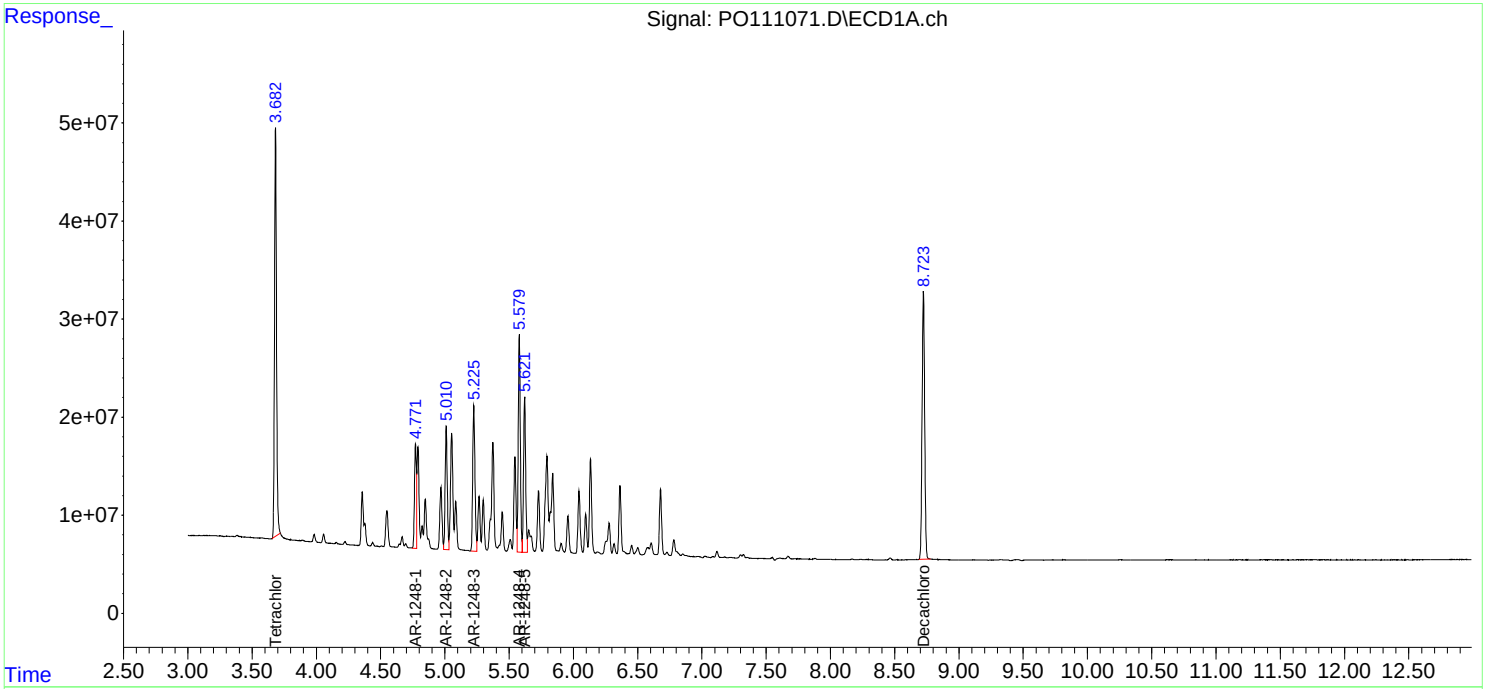
ICAL Form

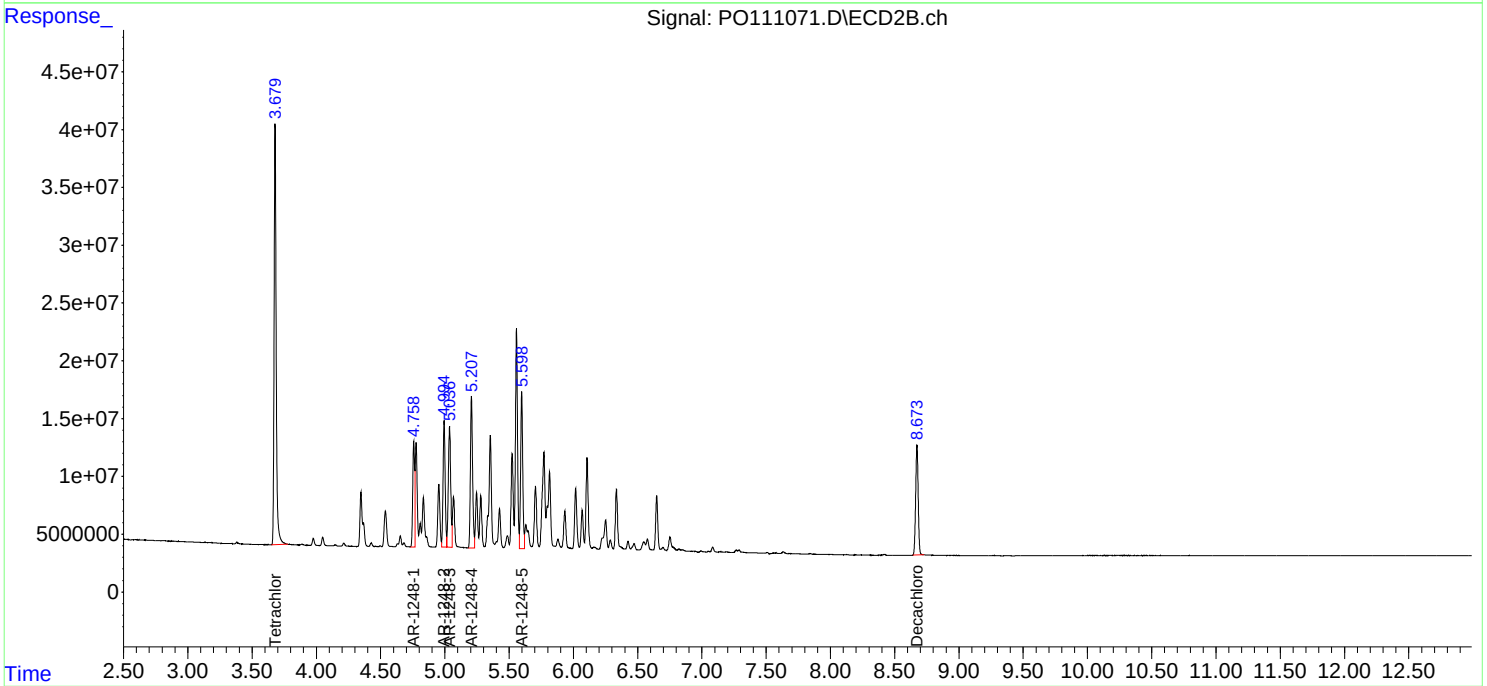
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111071.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 21:18
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:27:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:26:28 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_O\Data\PO051525\
Data File : PO111072.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 21:37
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:27:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:26:28 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.683	3.679	310.5E6	278.9E6	50.000	50.000
2)	SA Decachlor...	8.724	8.675	263.9E6	94731575	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	4.772	4.758	76534733	64358378	500.000	500.000
22)	L5 AR-1248-2	5.011	4.995	100.5E6	87581471	500.000	500.000
23)	L5 AR-1248-3	5.226	5.037	125.5E6	92824803	500.000	500.000
24)	L5 AR-1248-4	5.580	5.207	178.1E6	108.5E6	500.000	500.000
25)	L5 AR-1248-5	5.621	5.599	128.7E6	107.6E6	500.000	500.000

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

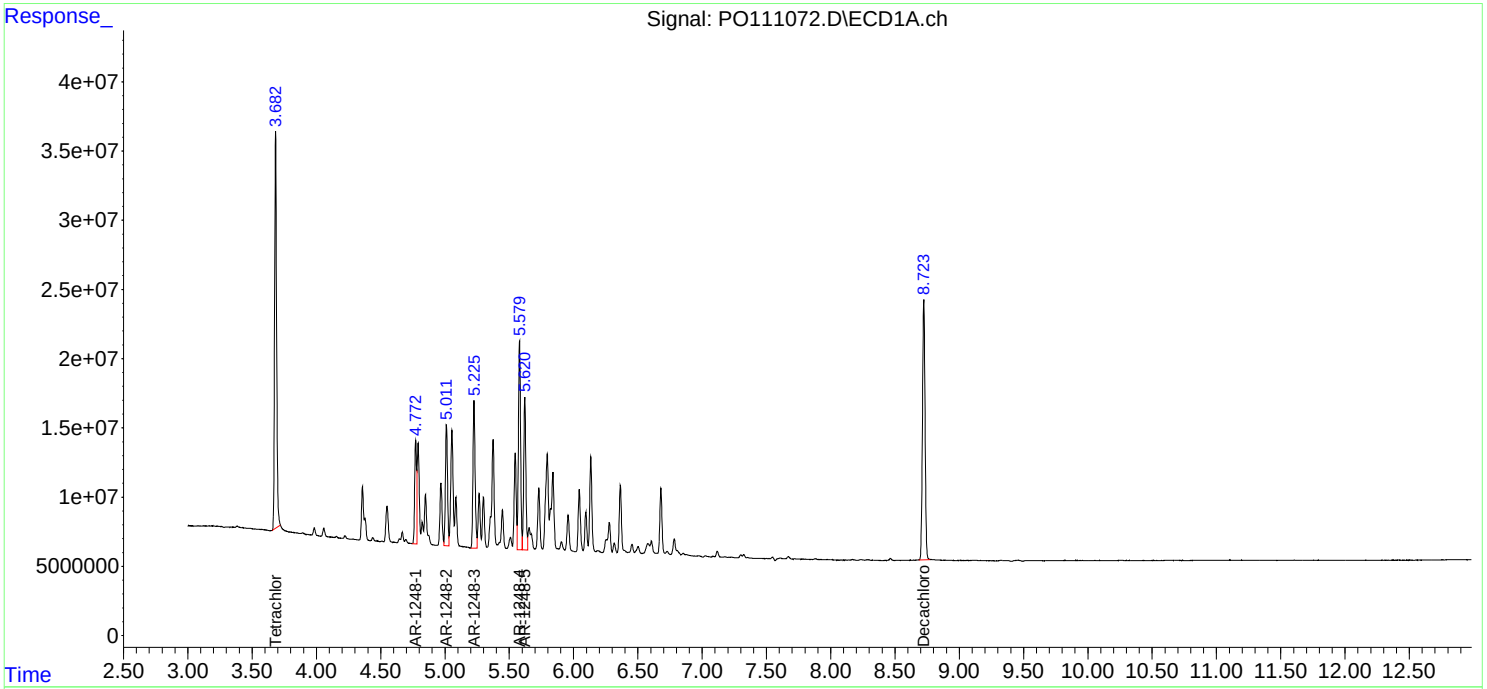
ICAL Form

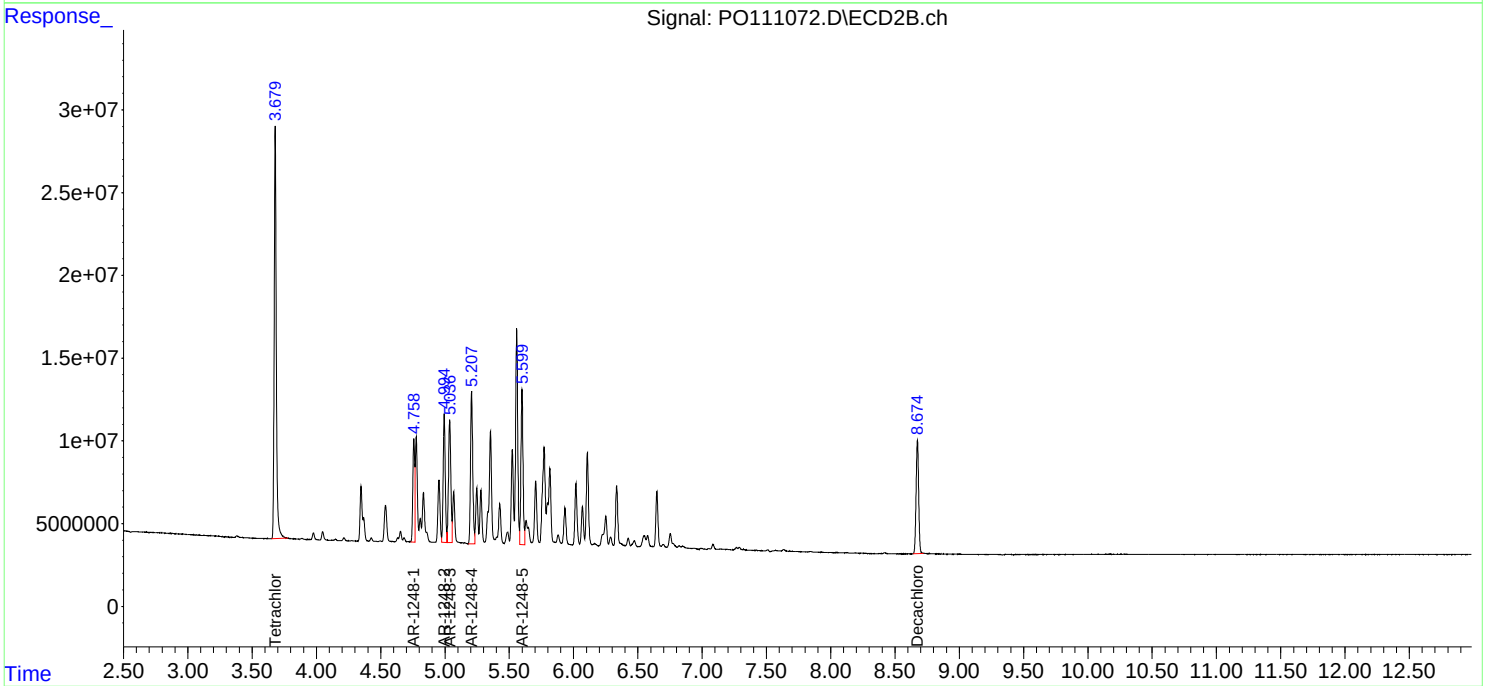
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111072.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 21:37
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:27:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:26:28 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_O\Data\PO051525\
Data File : PO111073.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 21:54
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:28:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:26:28 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.681	3.693	161.9E6	140.9E6	26.080	25.258
2)	SA Decachlor...	8.722	8.687	140.1E6	49953933	26.543	26.366
	Target Compounds						
21)	L5 AR-1248-1	4.770	4.772	40860856	34628061	266.943	269.025
22)	L5 AR-1248-2	5.009	5.008	53599803	46904652	266.629	267.777
23)	L5 AR-1248-3	5.223	5.050	66929918	49939489	266.684	268.999
24)	L5 AR-1248-4	5.577	5.221	95461725	56705002	267.937	261.329
25)	L5 AR-1248-5	5.619	5.612	68942357	57059246	267.832	265.207

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

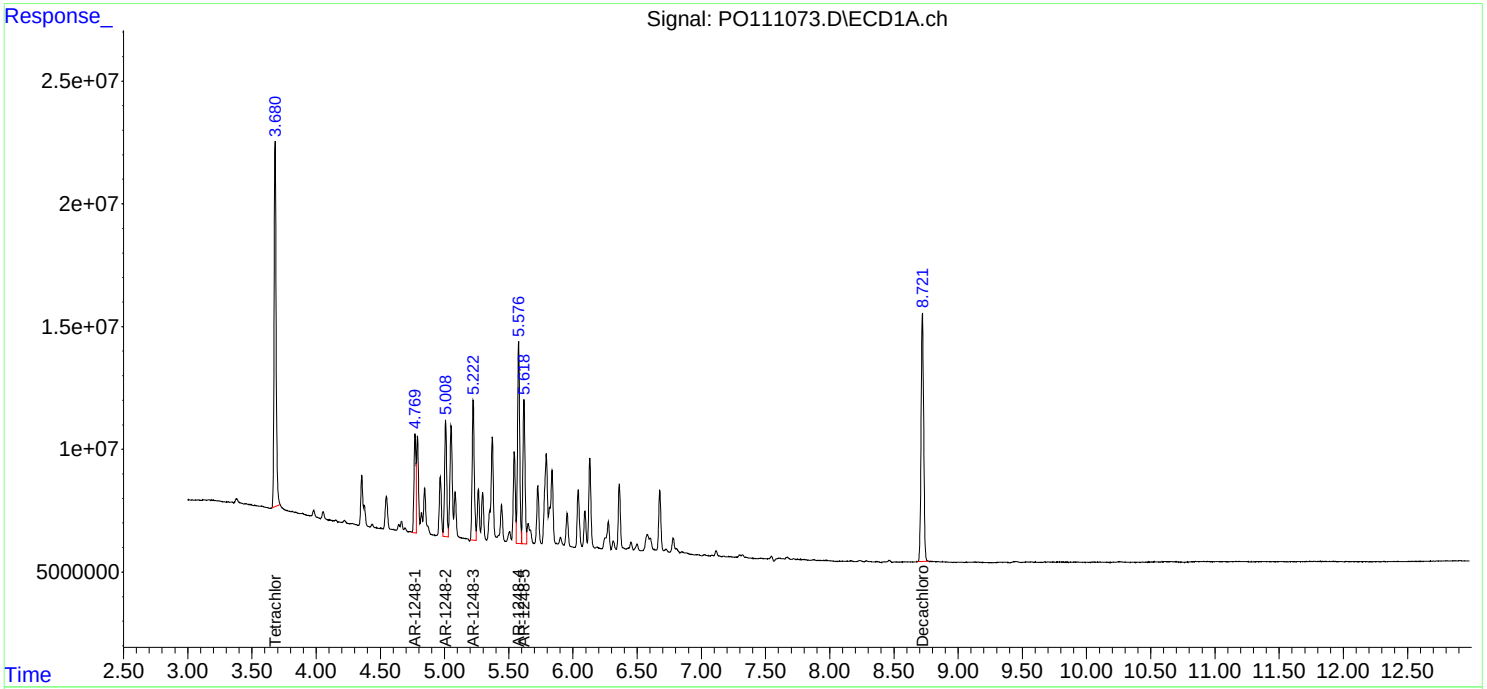
ICAL Form

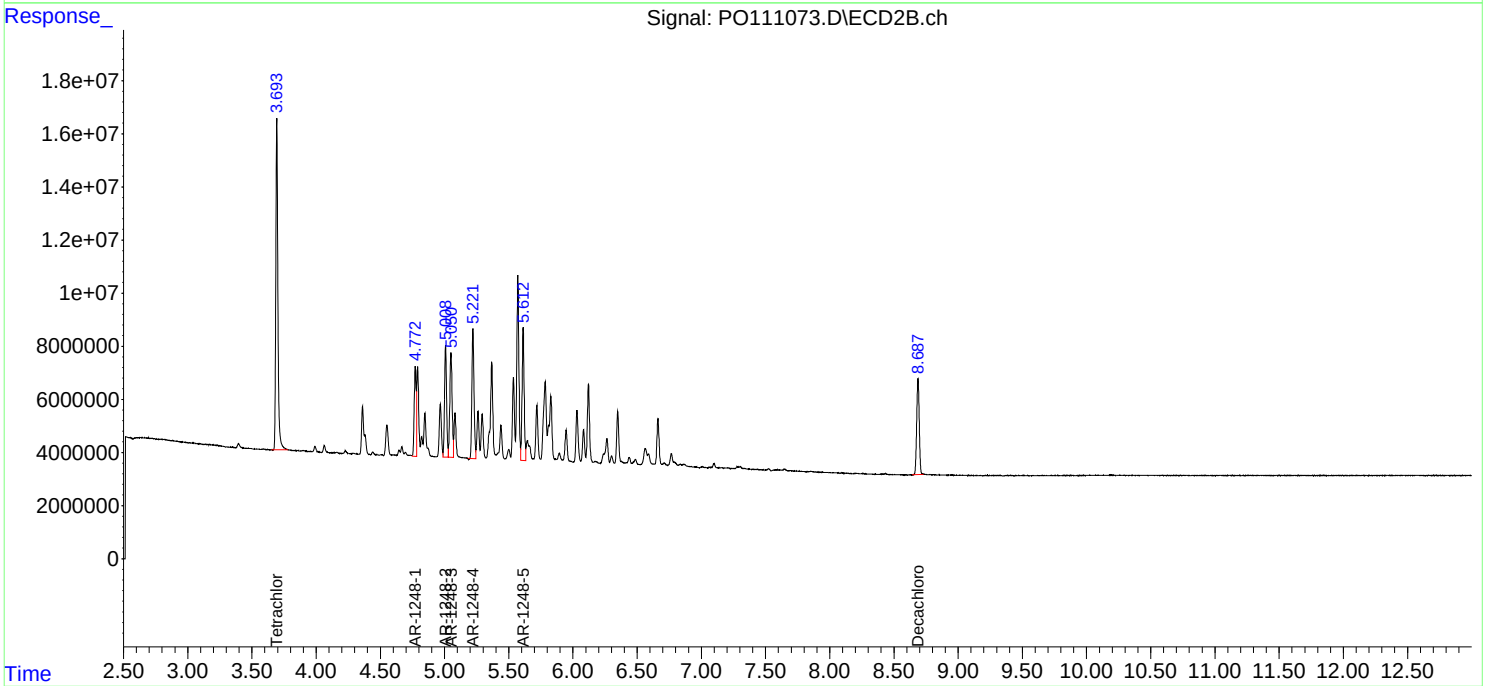
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111073.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 21:54
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:28:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:26:28 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_O\Data\PO051525\
Data File : PO111074.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 22:12
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:28:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:26:28 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.683	3.679	31378216	25949252	5.053	4.653
2)	SA Decachlor...	8.724	8.673	28650863	10598091	5.428	5.594
	Target Compounds						
21)	L5 AR-1248-1	4.773	4.758	8260599	7117794	53.966	55.298
22)	L5 AR-1248-2	5.012	4.995	10700058	9515063	53.227	54.321
23)	L5 AR-1248-3	5.226	5.036	14779989	10314868	58.891	55.561
24)	L5 AR-1248-4	5.580	5.207	20559074	12500823	57.704	57.611
25)	L5 AR-1248-5	5.621	5.598	14994552	12205093	58.252	56.728

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

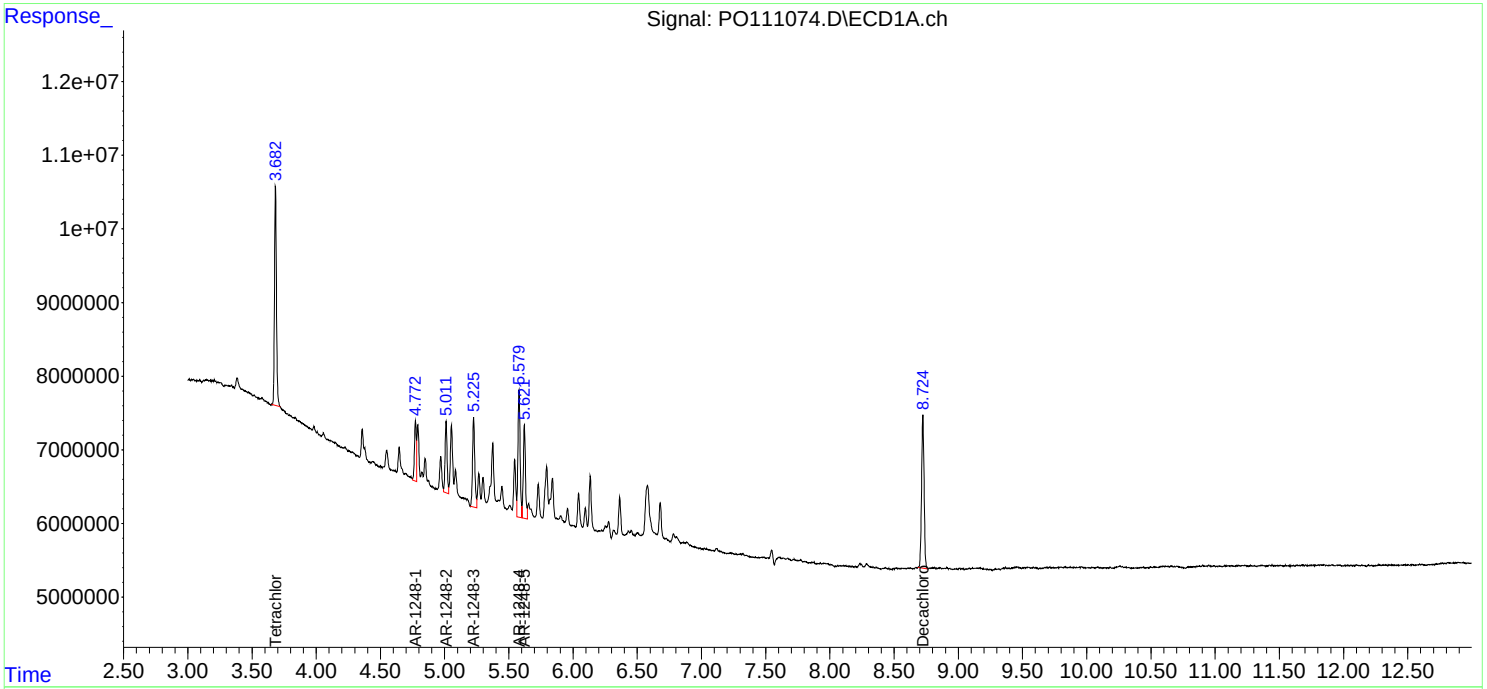
ICAL Form

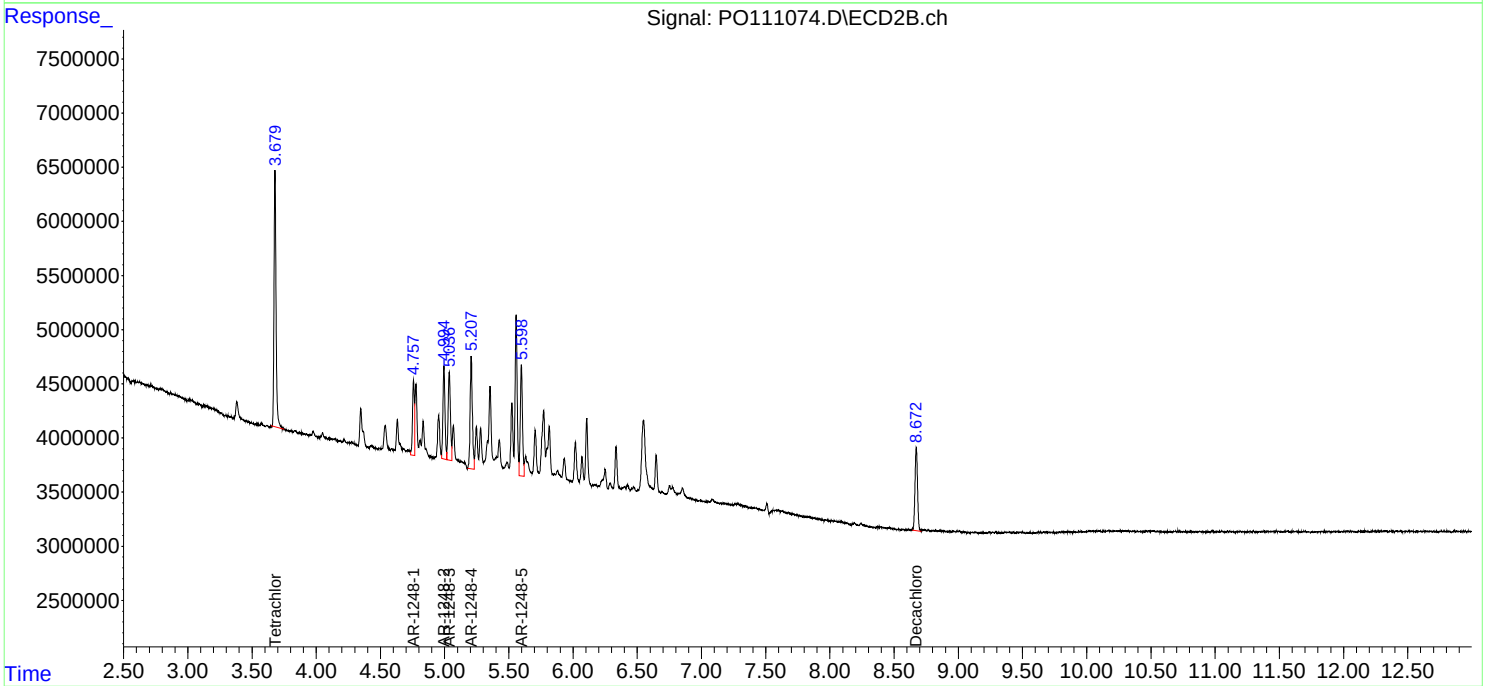
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111074.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 22:12
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:28:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:26:28 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_O\Data\PO051525\
Data File : PO111075.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 22:31
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:44:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:44:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.683	3.679	594.9E6	545.4E6	92.829	95.145
2)	SA Decachlor...	8.725	8.674	492.4E6	173.0E6	90.453	91.041
	Target Compounds						
26)	L6 AR-1254-1	5.581	5.558	338.7E6	294.8E6	892.260	911.119
27)	L6 AR-1254-2	5.730	5.706	291.9E6	254.2E6	889.968	903.137
28)	L6 AR-1254-3	6.134	6.107	475.3E6	400.5E6	907.531	923.736
29)	L6 AR-1254-4	6.364	6.336	302.1E6	228.9E6	899.437	914.476
30)	L6 AR-1254-5	6.784	6.752	429.2E6	318.4E6	903.044	923.844

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

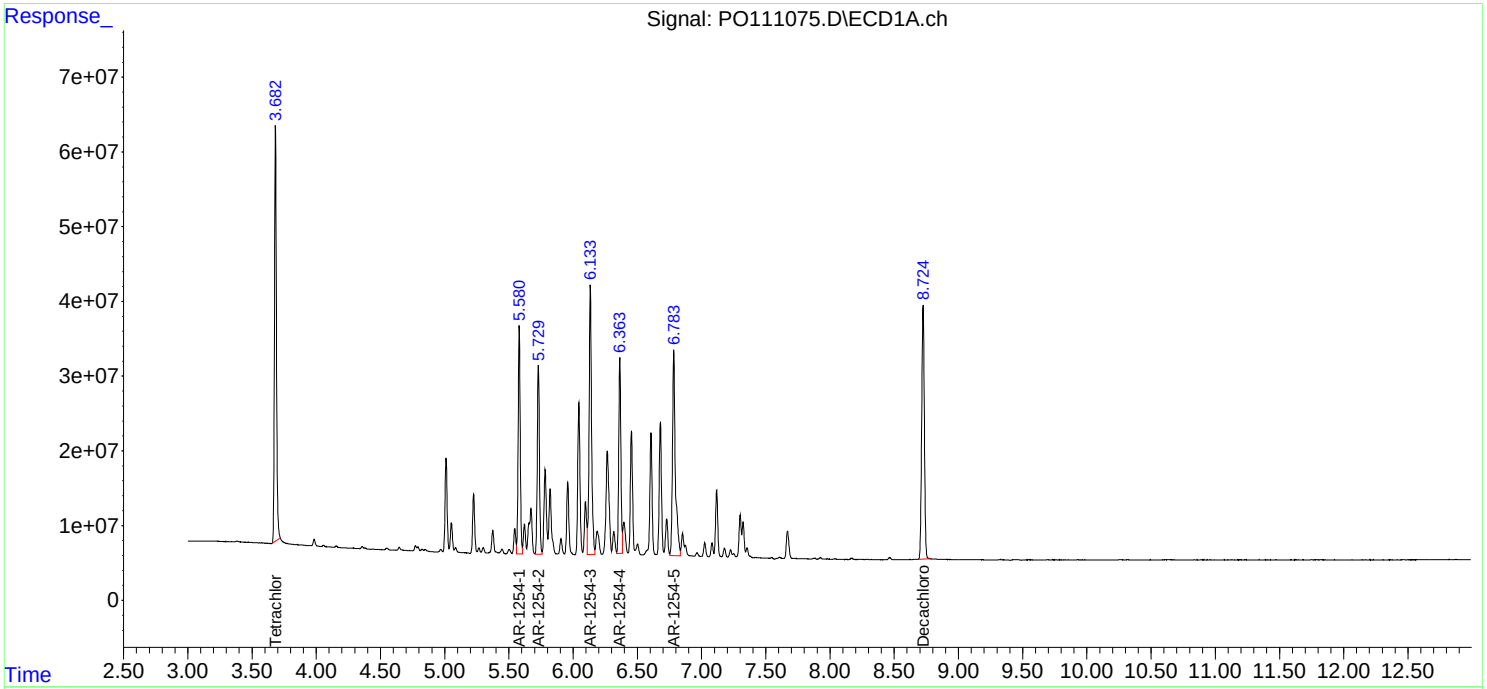
ICAL Form

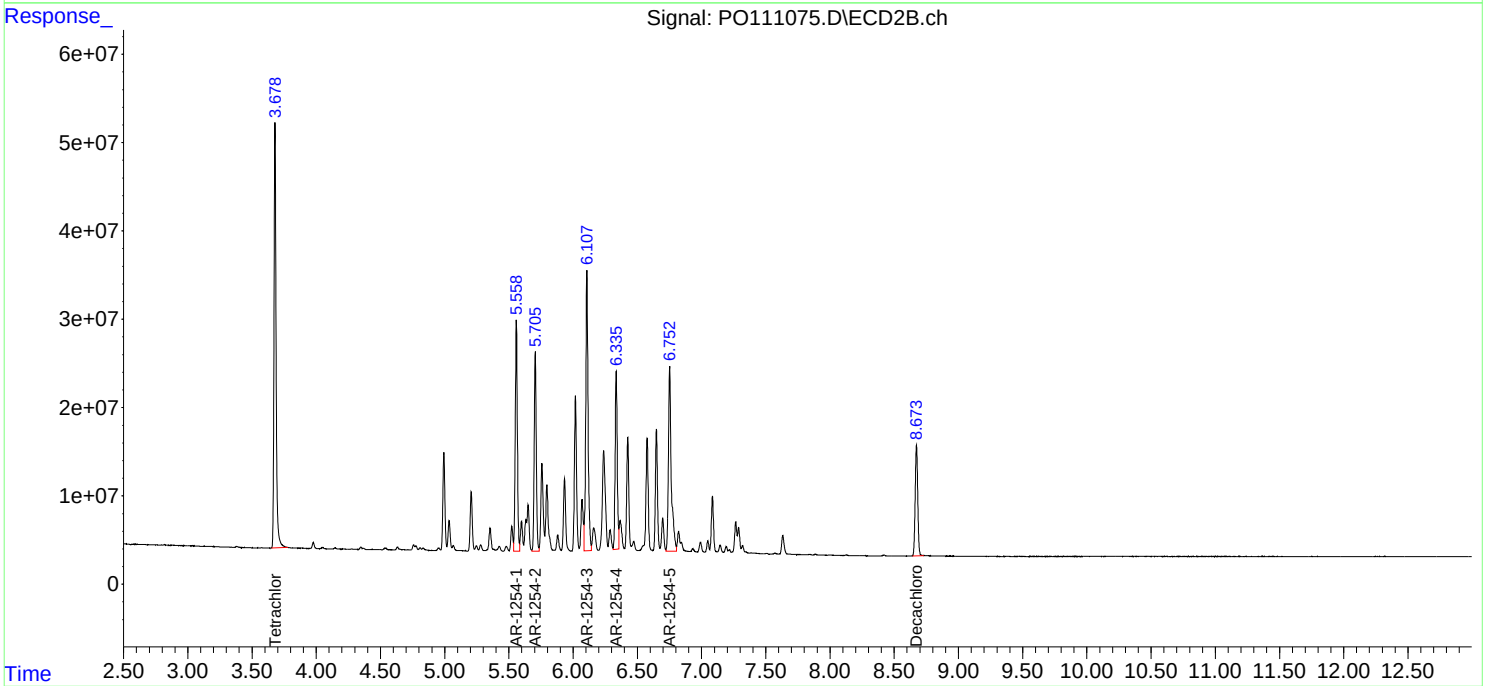
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111075.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 22:31
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:44:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:44:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_O\Data\PO051525\
Data File : PO111076.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 22:49
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:45:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:44:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.683	3.679	464.3E6	419.4E6	72.445	73.166
2)	SA Decachlor...	8.725	8.674	385.6E6	135.3E6	70.833	71.214
	Target Compounds						
26)	L6 AR-1254-1	5.580	5.558	269.5E6	231.2E6	710.036	714.469
27)	L6 AR-1254-2	5.730	5.706	232.6E6	200.0E6	709.227	710.467
28)	L6 AR-1254-3	6.134	6.108	374.9E6	311.4E6	715.696	718.231
29)	L6 AR-1254-4	6.363	6.336	239.1E6	178.6E6	711.714	713.500
30)	L6 AR-1254-5	6.784	6.753	339.0E6	247.1E6	713.244	717.200

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

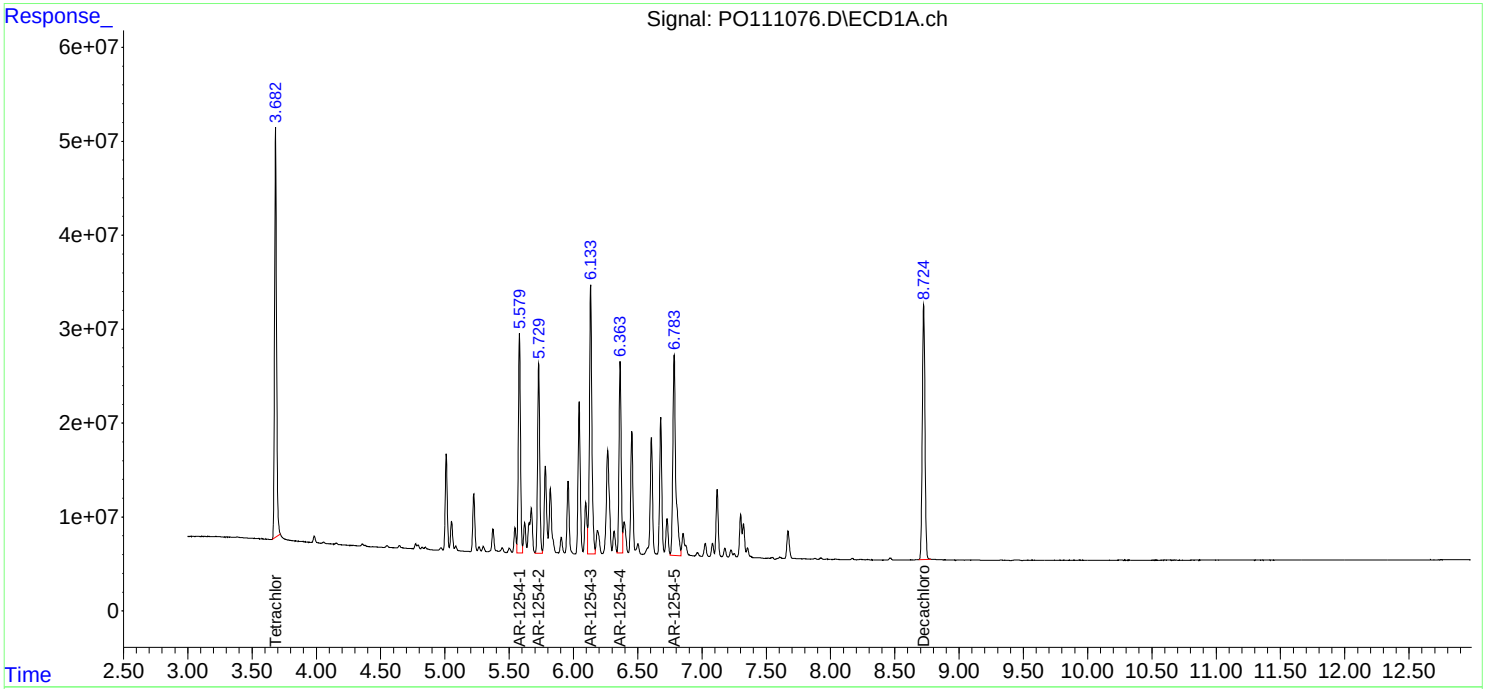
ICAL Form

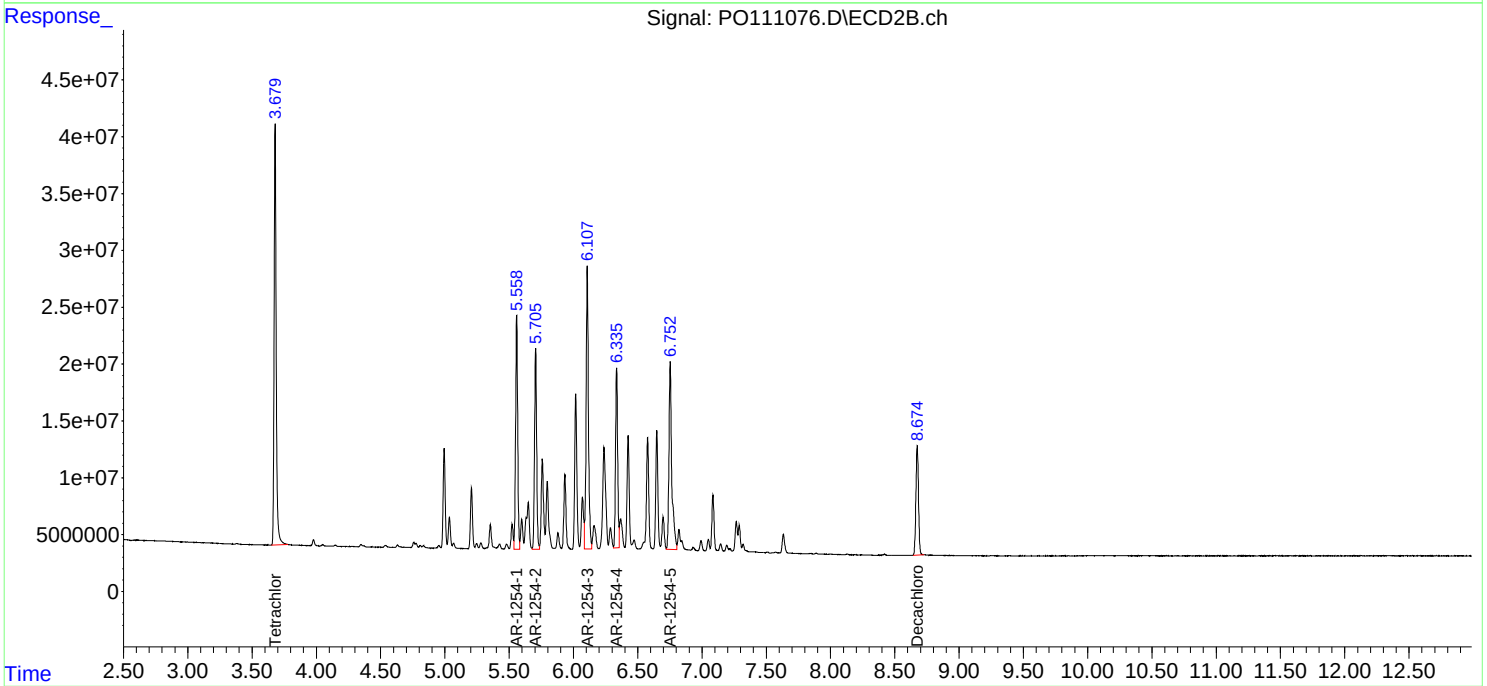
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111076.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 22:49
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:45:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:44:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_O\Data\PO051525\
Data File : PO111077.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 23:06
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:45:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:44:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.681	3.679	320.4E6	286.6E6	50.000	50.000
2)	SA Decachlor...	8.722	8.673	272.2E6	95028644	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	5.578	5.557	189.8E6	161.8E6	500.000	500.000
27)	L6 AR-1254-2	5.727	5.705	164.0E6	140.7E6	500.000	500.000
28)	L6 AR-1254-3	6.132	6.107	261.9E6	216.8E6	500.000	500.000
29)	L6 AR-1254-4	6.361	6.335	167.9E6	125.1E6	500.000	500.000
30)	L6 AR-1254-5	6.781	6.751	237.7E6	172.3E6	500.000	500.000

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

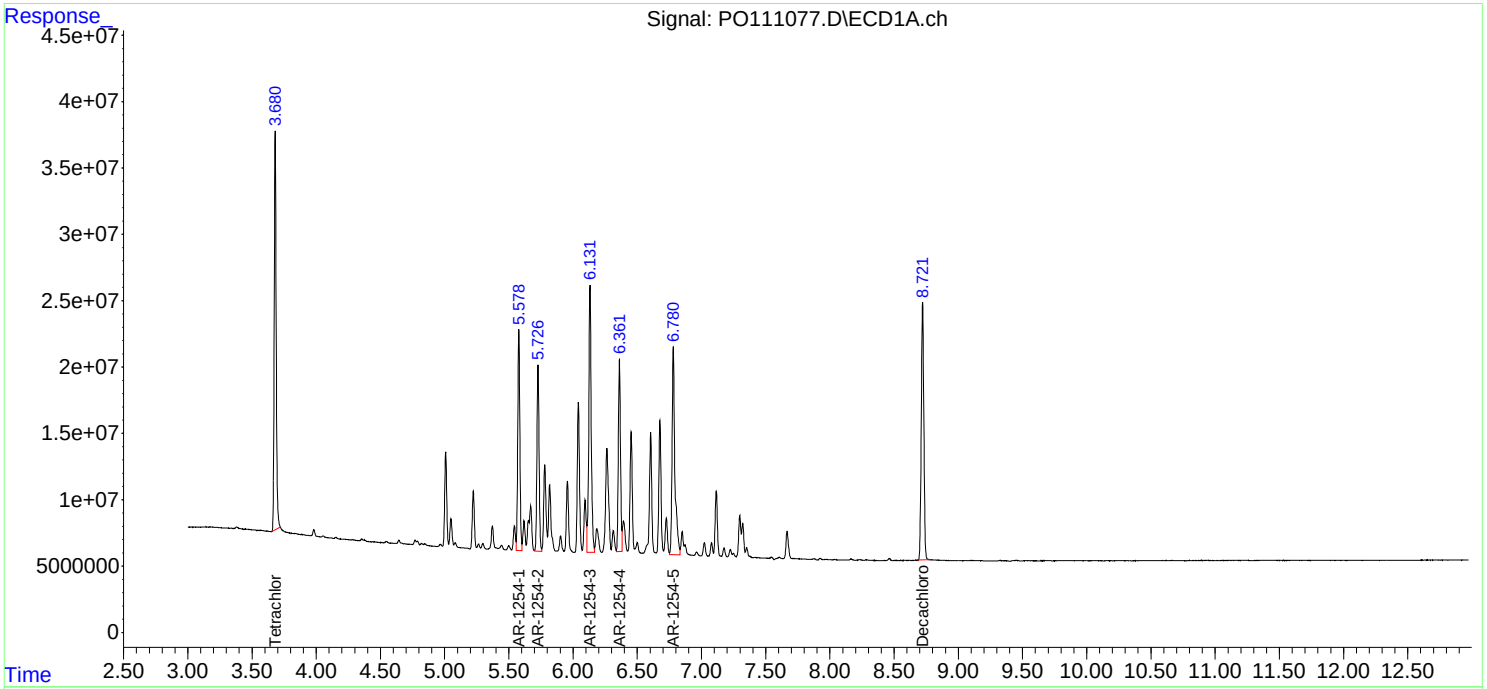
ICAL Form

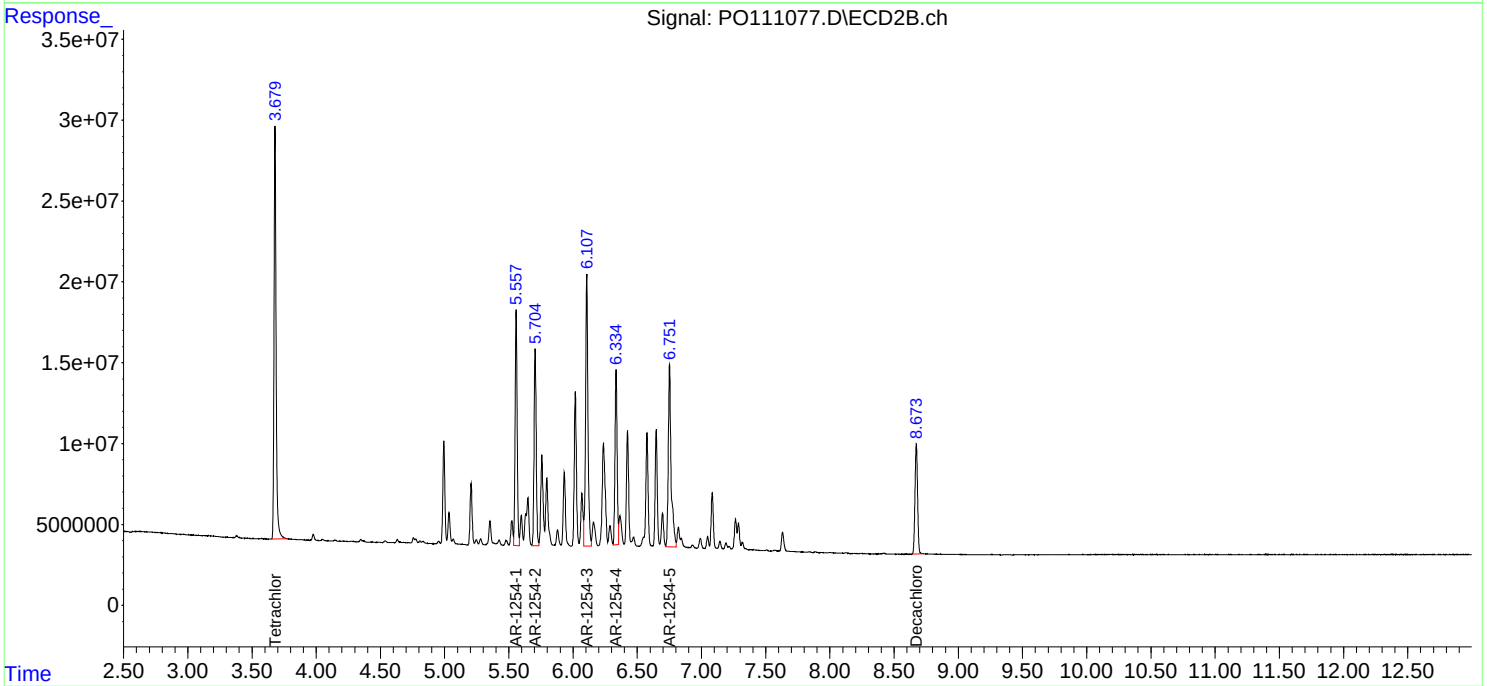
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111077.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 23:06
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:45:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:44:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_O\Data\PO051525\
Data File : PO111078.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 23:25
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:45:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:44:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.683	3.680	164.6E6	143.2E6	25.683	24.975
2)	SA Decachlor...	8.723	8.674	142.5E6	50465688	26.181	26.553
	Target Compounds						
26)	L6 AR-1254-1	5.581	5.558	100.5E6	84767134	264.857	261.944
27)	L6 AR-1254-2	5.730	5.706	86931936	74488276	265.082	264.655
28)	L6 AR-1254-3	6.134	6.108	137.3E6	112.1E6	262.162	258.480
29)	L6 AR-1254-4	6.364	6.336	87996975	64908604	261.987	259.337
30)	L6 AR-1254-5	6.783	6.752	125.2E6	89675566	263.481	260.235

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

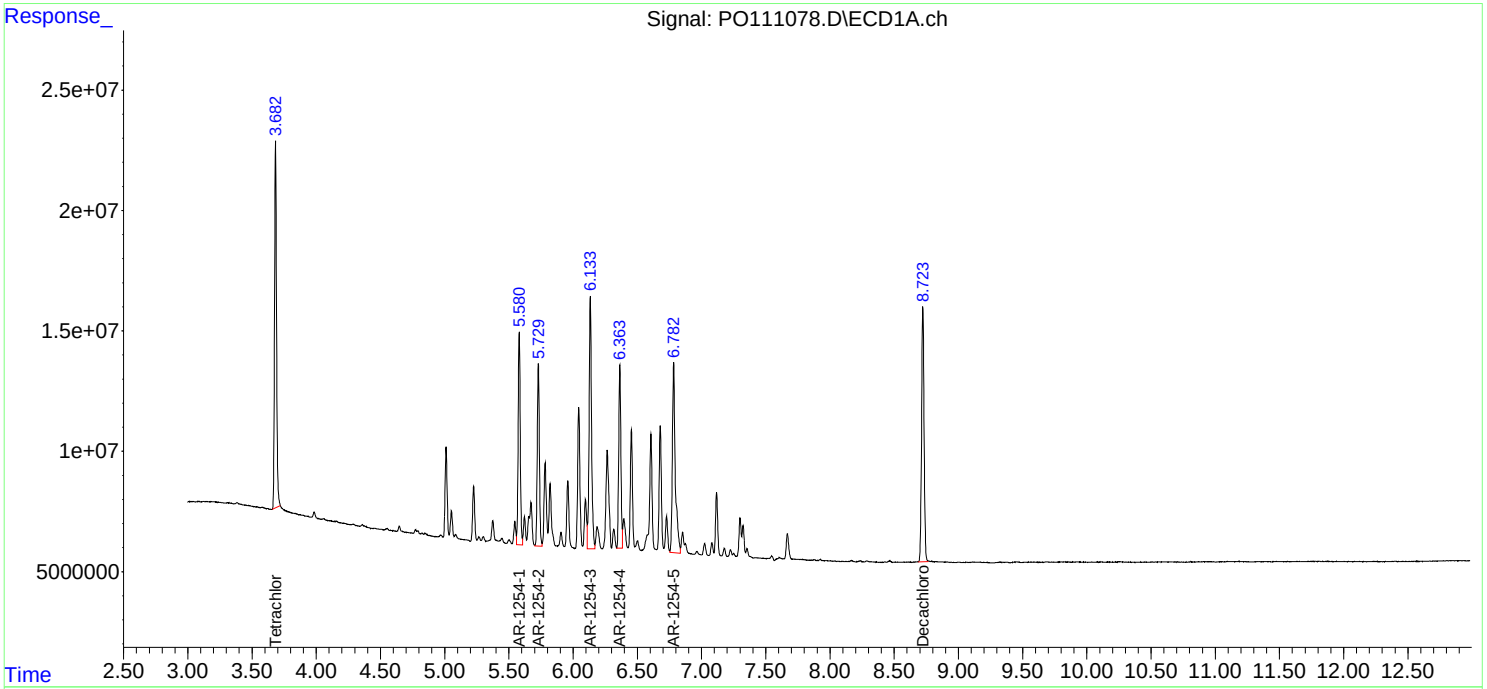
ICAL Form

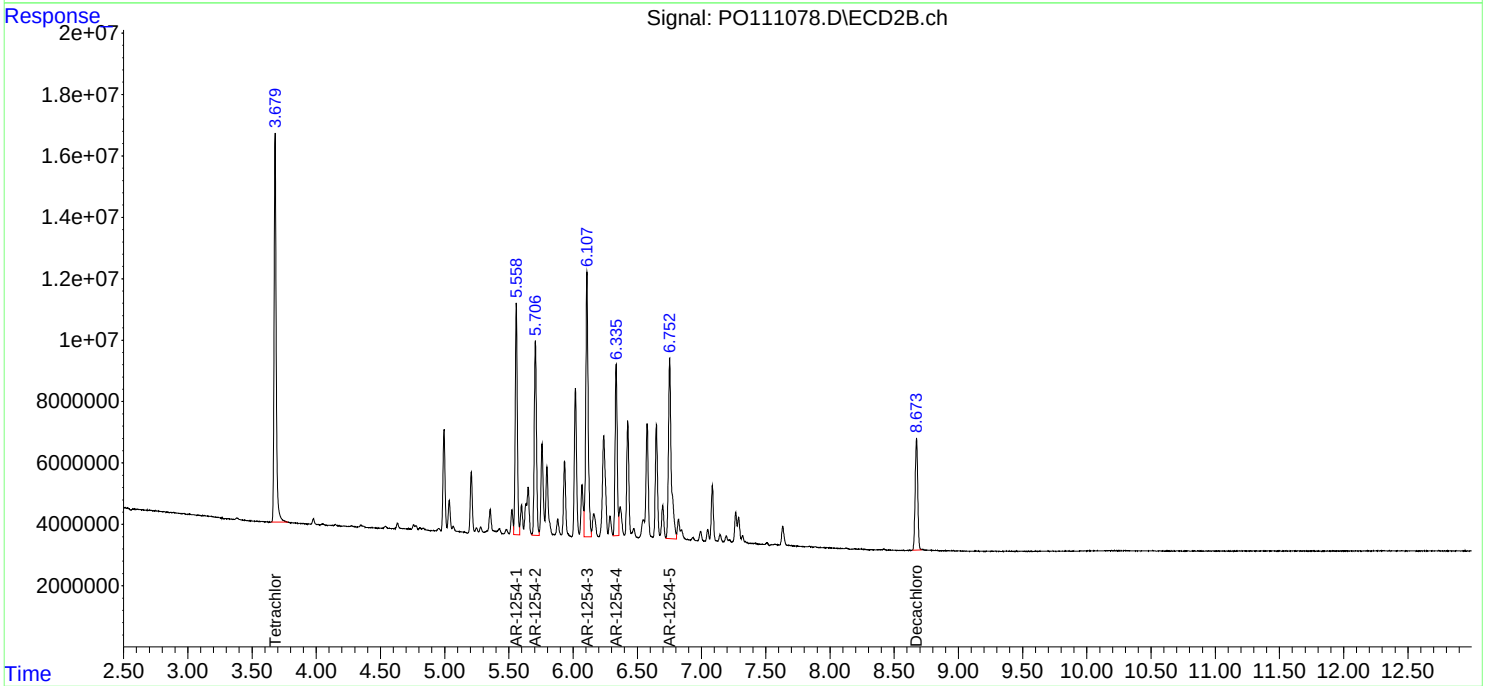
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111078.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 23:25
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:45:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:44:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_O\Data\PO051525\
Data File : PO111079.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 23:43
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:46:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:44:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.682	3.679	31694642	26928528	4.946	4.698
2)	SA Decachlor...	8.724	8.674	29313873	10245264	5.385	5.391
	Target Compounds						
26)	L6 AR-1254-1	5.580	5.558	20909365	17719774	55.088	54.757
27)	L6 AR-1254-2	5.729	5.706	17811498	15800223	54.313	56.138
28)	L6 AR-1254-3	6.134	6.107	29128076	22990579	55.613	53.030
29)	L6 AR-1254-4	6.364	6.335	18583927	12990476	55.329	51.902
30)	L6 AR-1254-5	6.783	6.752	25740607	18926439	54.156	54.924

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

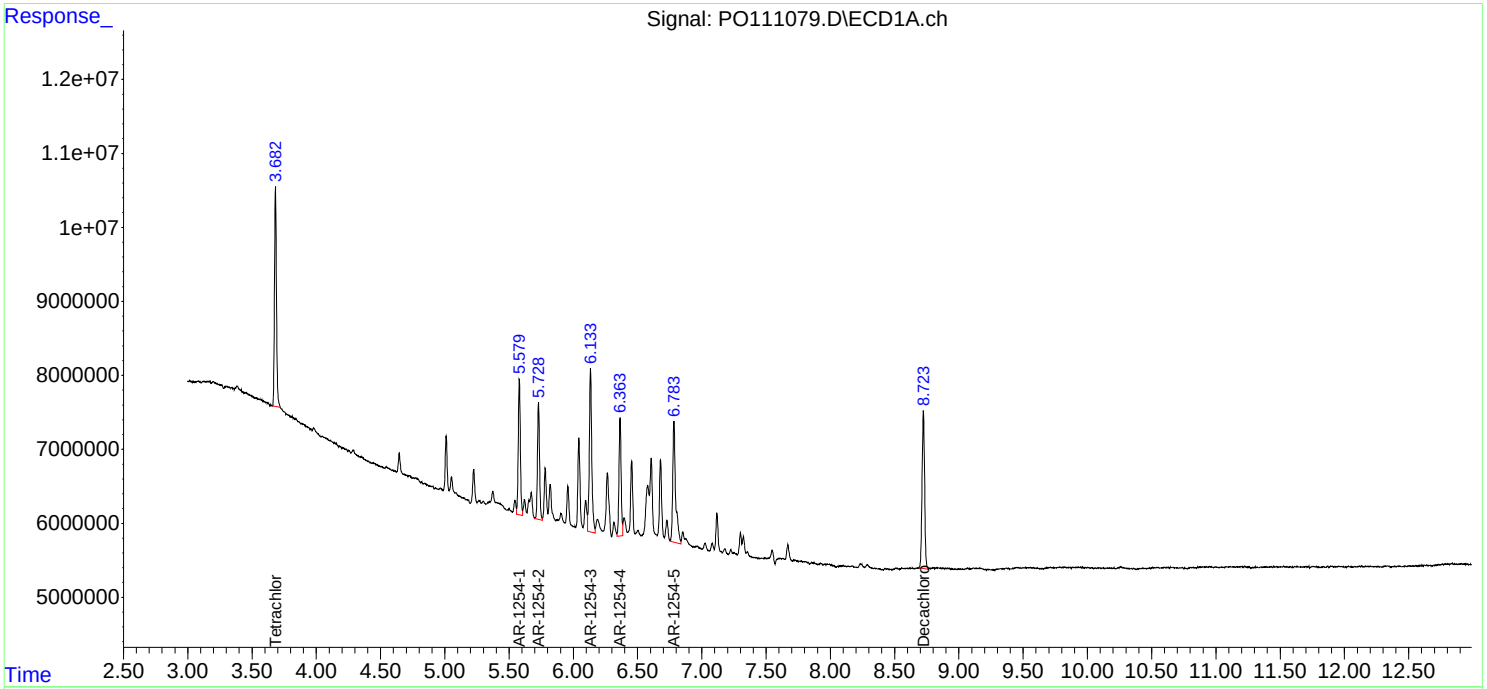
ICAL Form

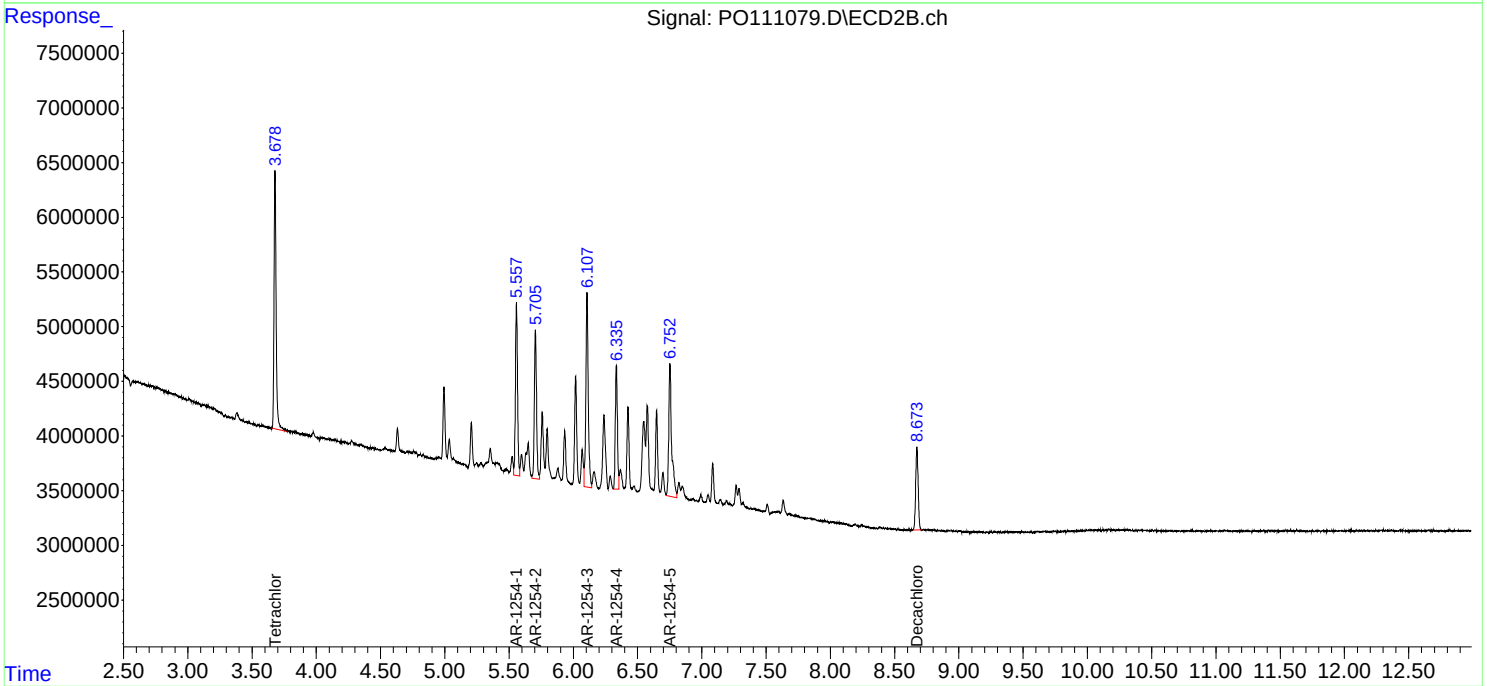
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111079.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 23:43
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:46:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:44:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_O\Data\PO051525\
Data File : PO111080.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 00:01
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:59:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:58:56 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...	3.683	3.680	303.0E6	269.7E6	50.000	50.000
2)	SA Decachlor...	8.725	8.674	257.1E6	90216078	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	6.823	6.792	243.3E6	170.4E6	500.000	500.000
37)	L8 AR-1262-2	7.325	7.291	404.2E6	251.4E6	500.000	500.000
38)	L8 AR-1262-3	7.609	7.573	169.1E6	93817526	500.000	500.000
39)	L8 AR-1262-4	7.674	7.637	295.2E6	165.1E6	500.000	500.000
40)	L8 AR-1262-5	8.170	8.129	142.6E6	56152869	500.000	500.000

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

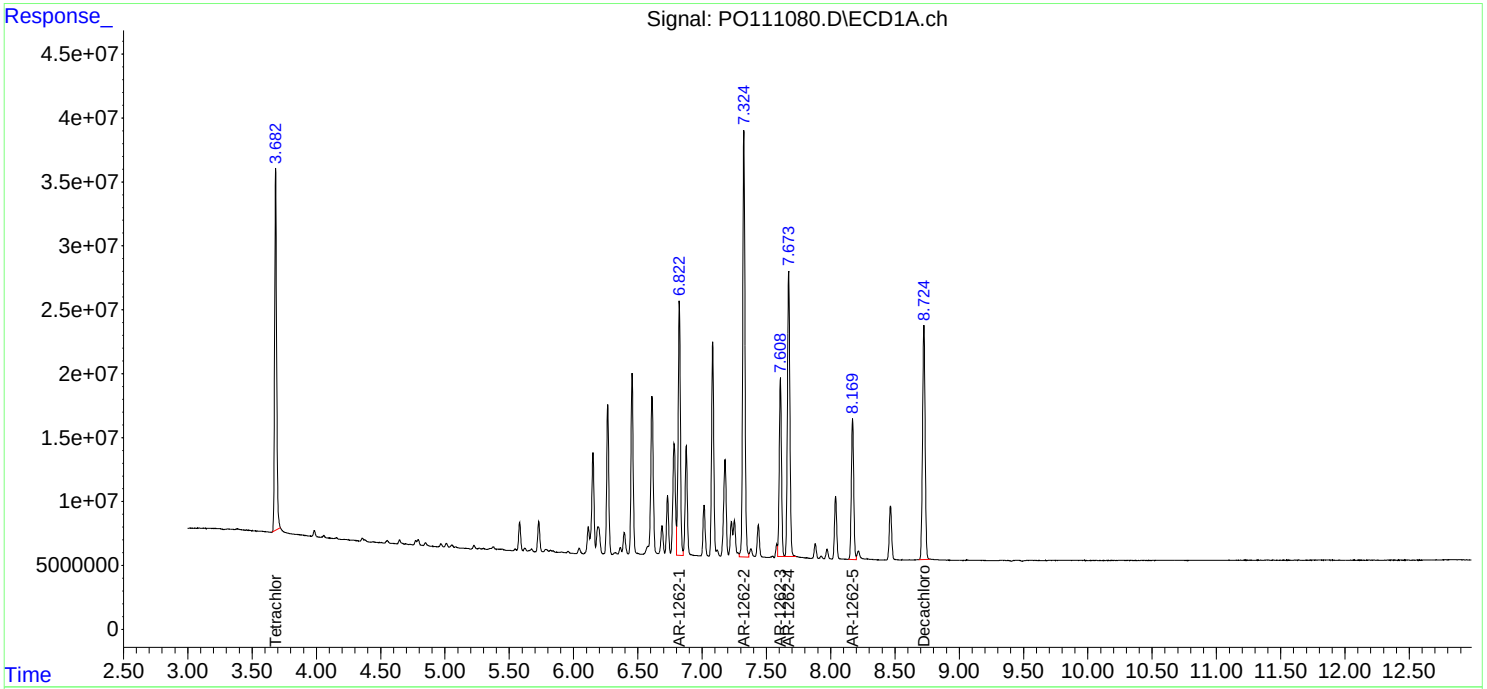
ICAL Form

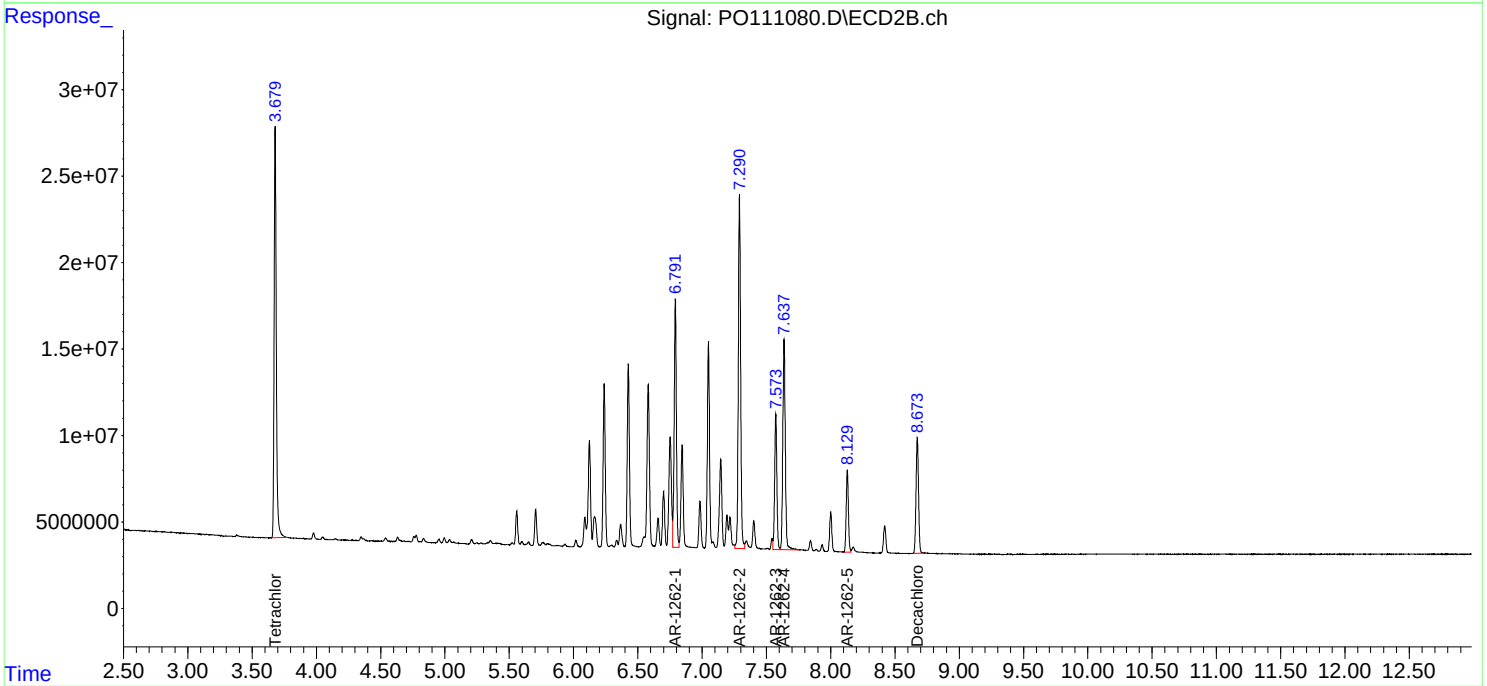
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111080.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 00:01
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:59:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:58:56 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_O\Data\PO051525\
Data File : PO111081.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 00:19
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:14:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:12:55 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...	3.681	3.679	617.2E6	563.6E6	95.813	97.941
2)	SA Decachlor...	8.722	8.673	888.9E6	302.3E6	93.525	92.754
	Target Compounds						
41)	L9 AR-1268-1	7.607	7.572	930.9E6	505.7E6	951.478	954.847
42)	L9 AR-1268-2	7.672	7.636	856.4E6	460.5E6	949.753	951.728
43)	L9 AR-1268-3	7.879	7.843	718.7E6	328.7E6	939.809	940.342
44)	L9 AR-1268-4	8.168	8.129	311.2E6	119.7E6	939.708	916.655
45)	L9 AR-1268-5	8.463	8.419	2117.7E6	727.9E6	964.968	960.699

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

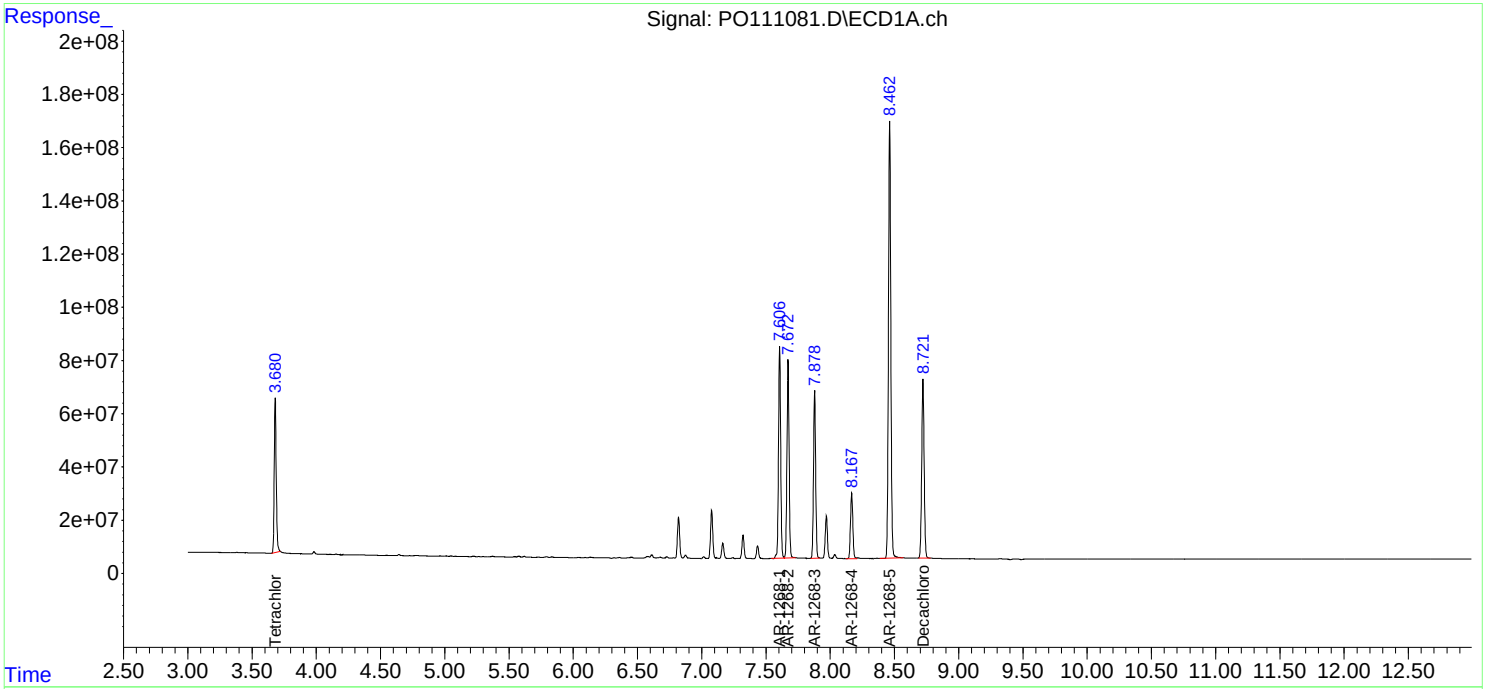
ICAL Form

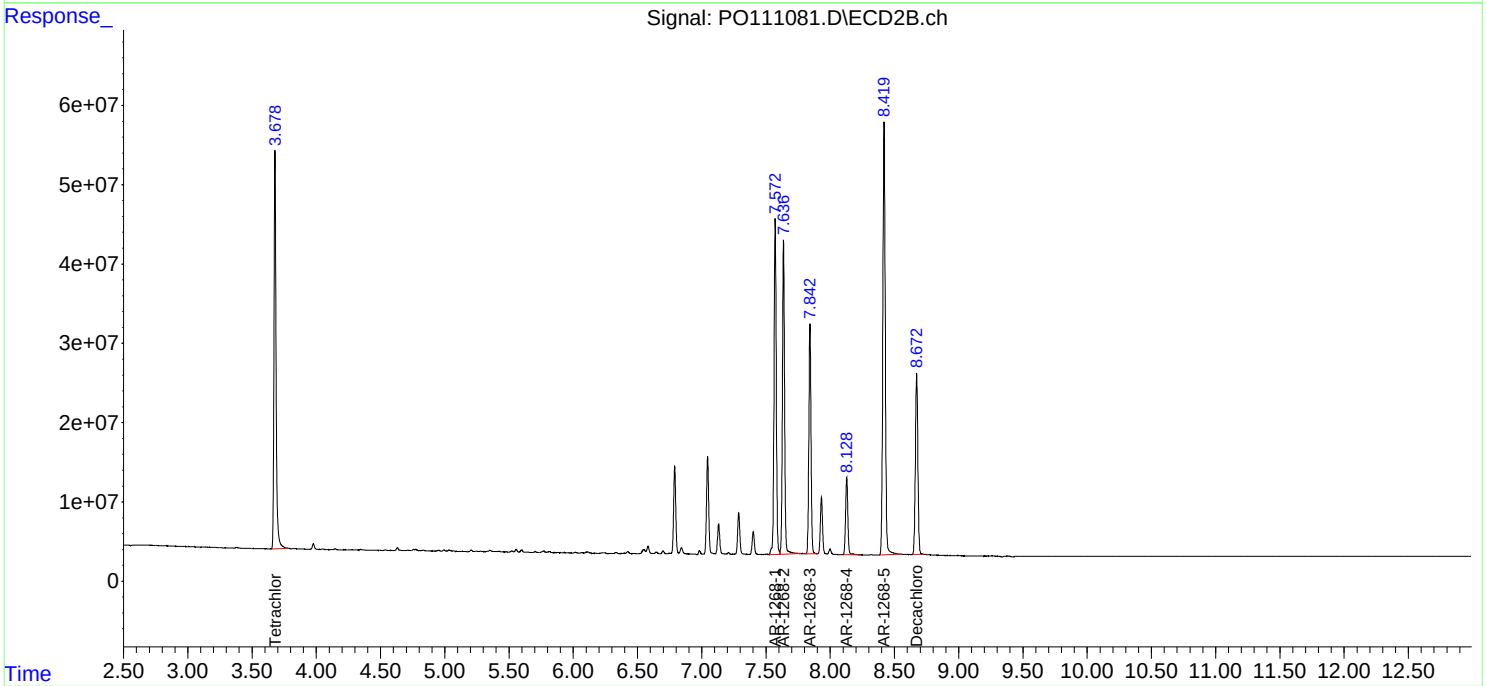
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111081.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 00:19
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:14:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:12:55 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_O\Data\PO051525\
Data File : PO111082.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 00:37
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:14:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:12:55 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...	3.683	3.679	462.6E6	419.6E6	71.819	72.910
2)	SA Decachlor...	8.723	8.673	676.0E6	230.8E6	71.125	70.822
	Target Compounds						
41)	L9 AR-1268-1	7.608	7.572	702.4E6	381.3E6	717.998	719.962
42)	L9 AR-1268-2	7.673	7.637	645.4E6	348.7E6	715.759	720.605
43)	L9 AR-1268-3	7.880	7.843	544.2E6	250.4E6	711.612	716.368
44)	L9 AR-1268-4	8.169	8.129	234.9E6	92055642	709.264	704.972
45)	L9 AR-1268-5	8.465	8.420	1580.5E6	548.4E6	720.183	723.788

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

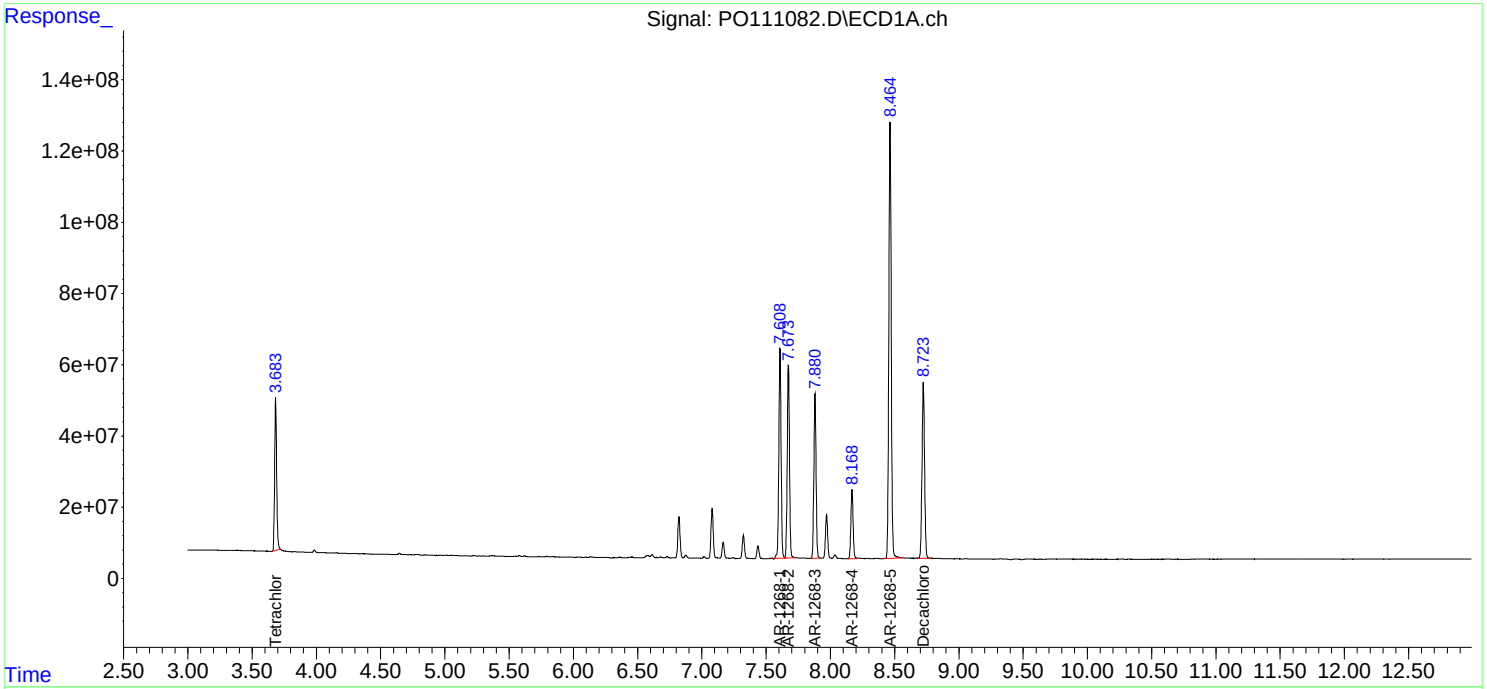
ICAL Form

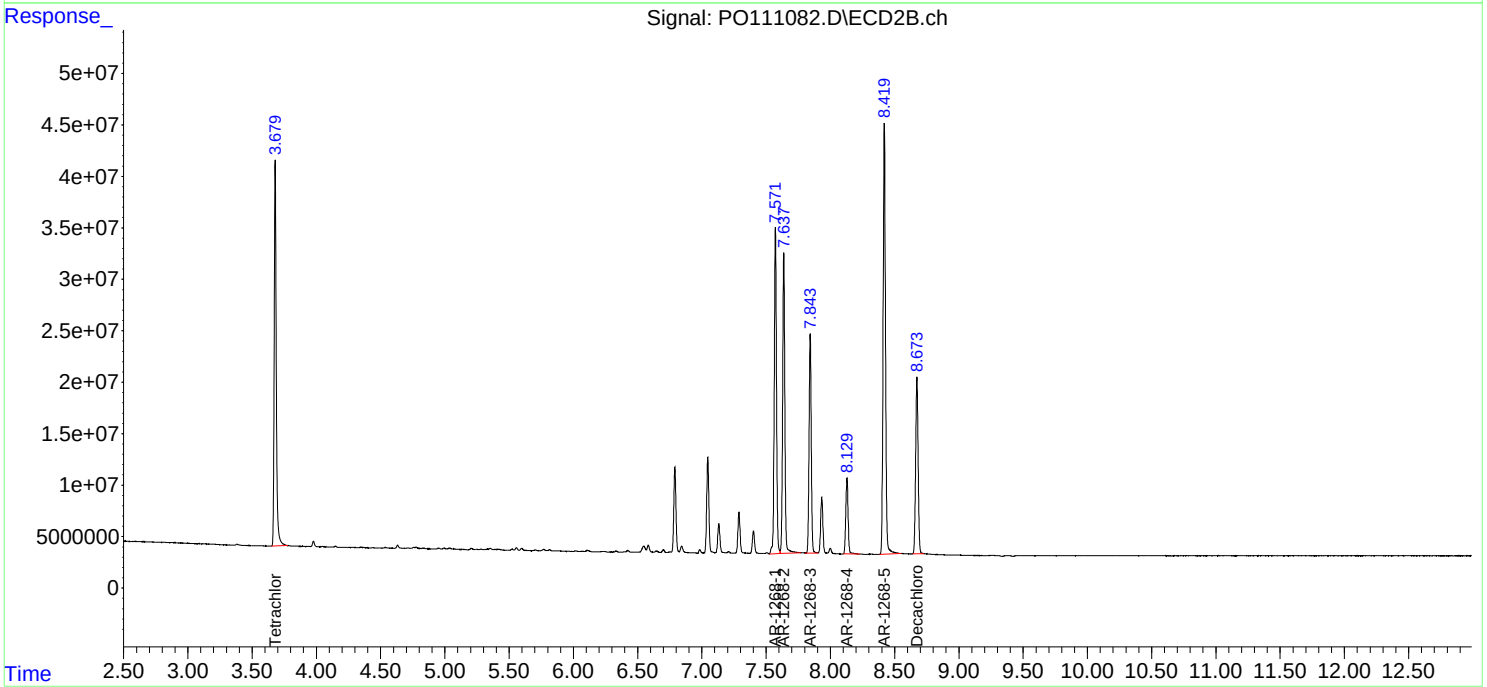
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111082.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 00:37
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:14:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:12:55 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_O\Data\PO051525\
Data File : PO111083.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 00:56
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:16:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:12:55 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...	3.683	3.679	322.1E6	287.7E6	50.000	50.000
2)	SA Decachlor...	8.725	8.674	475.2E6	162.9E6	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	7.609	7.573	489.2E6	264.8E6	500.000	500.000
42)	L9 AR-1268-2	7.674	7.638	450.8E6	241.9E6	500.000	500.000
43)	L9 AR-1268-3	7.881	7.843	382.3E6	174.8E6	500.000	500.000
44)	L9 AR-1268-4	8.169	8.130	165.6E6	65290300	500.000	500.000
45)	L9 AR-1268-5	8.466	8.421	1097.3E6	378.9E6	500.000	500.000

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

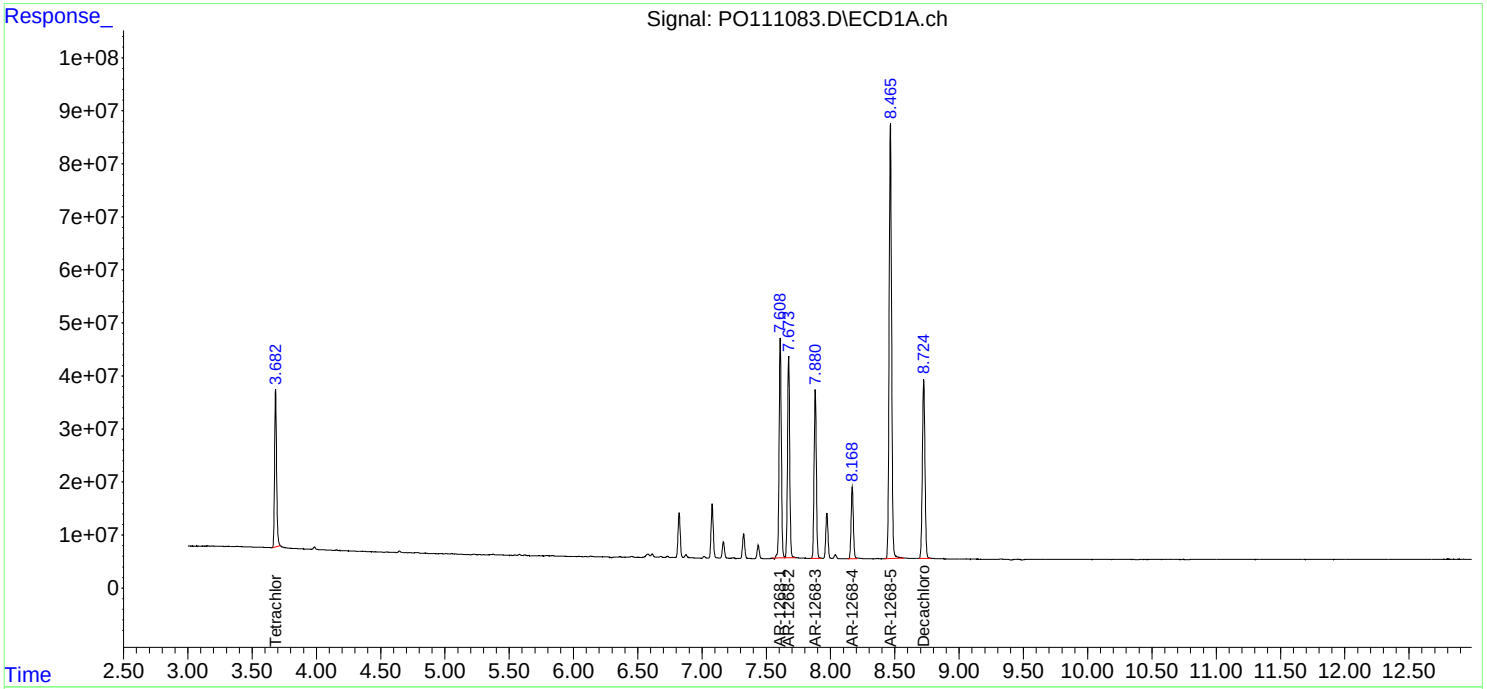
ICAL Form

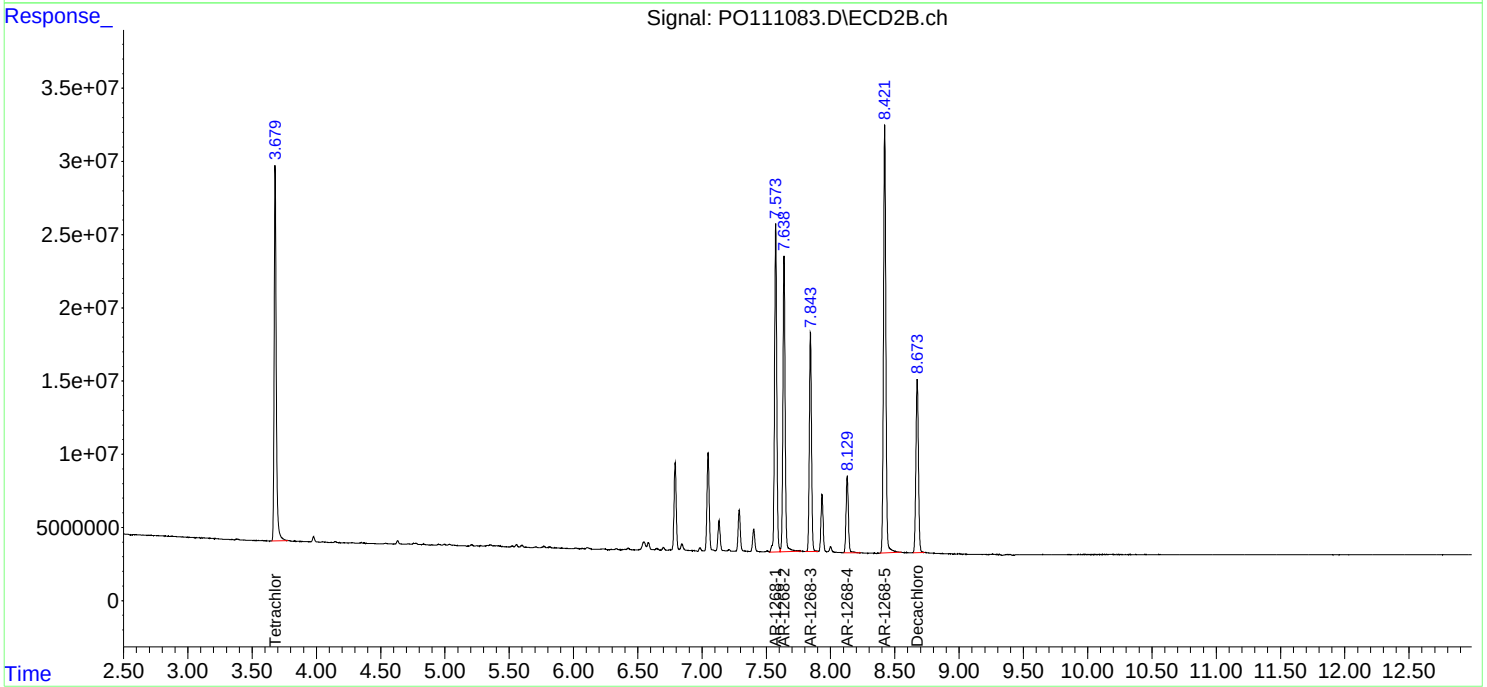
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111083.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 00:56
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:16:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:12:55 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_O\Data\PO051525\
Data File : PO111084.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 01:14
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:17:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:12:55 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...	3.683	3.679	166.8E6	145.0E6	25.903	25.196
2)	SA Decachlor...	8.723	8.673	248.9E6	85935998	26.191	26.371
	Target Compounds						
41)	L9 AR-1268-1	7.609	7.573	254.0E6	137.6E6	259.607	259.774
42)	L9 AR-1268-2	7.673	7.638	233.6E6	125.8E6	259.118	260.022
43)	L9 AR-1268-3	7.880	7.842	200.0E6	91603449	261.528	262.093
44)	L9 AR-1268-4	8.168	8.129	86826426	34659840	262.172	265.429
45)	L9 AR-1268-5	8.464	8.421	558.8E6	195.1E6	254.607	257.459

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

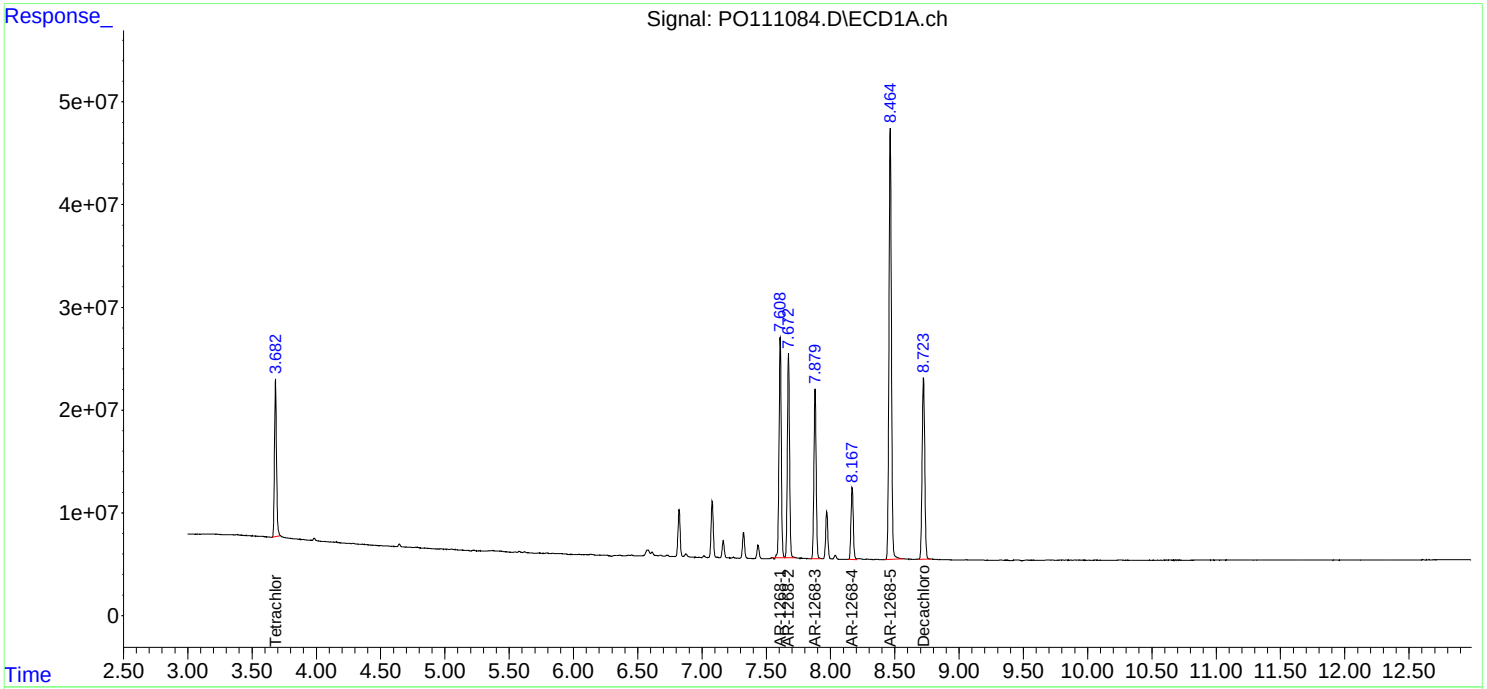
ICAL Form

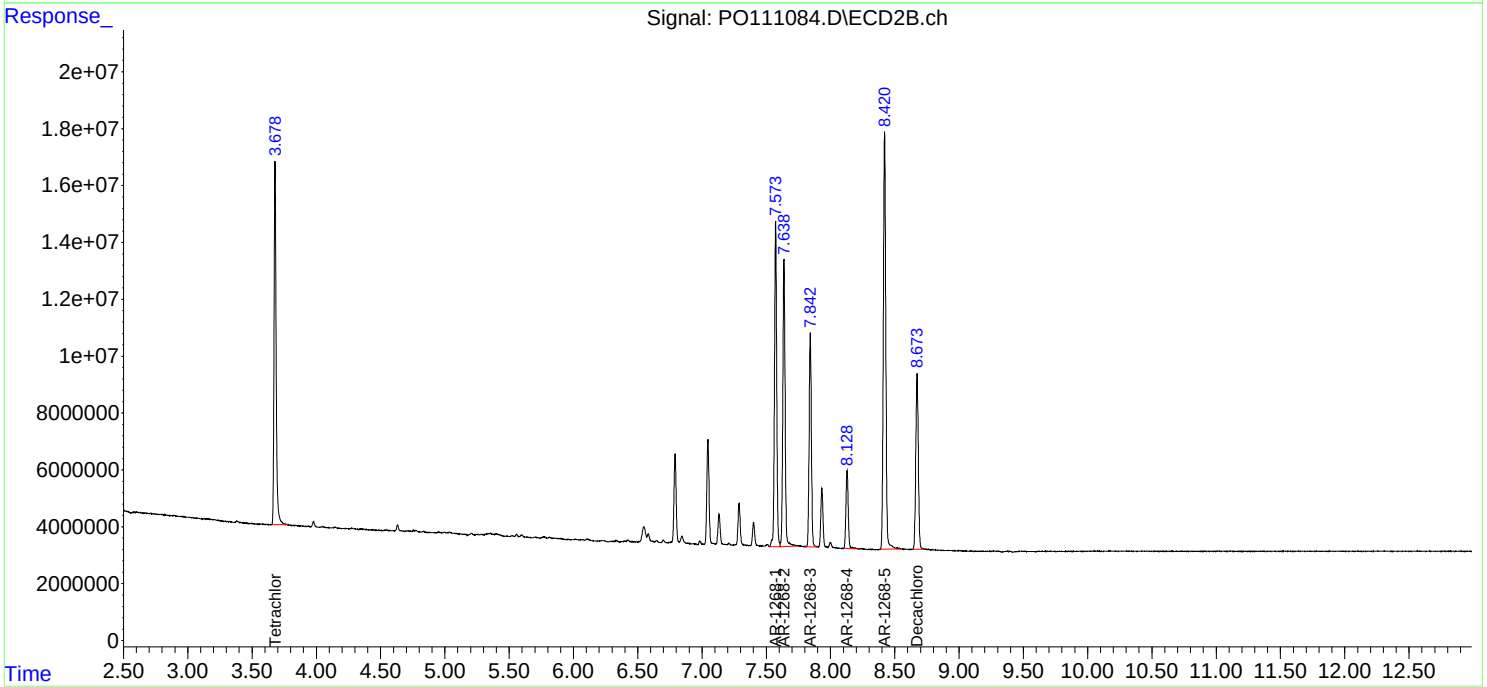
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111084.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 01:14
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:17:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:12:55 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_O\Data\PO051525\
Data File : PO111085.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 01:31
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:17:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:12:55 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...	3.681	3.679	30851086	25765381	4.790	4.477
2)	SA Decachlor...	8.721	8.673	48646145	16506911	5.119	5.065
	Target Compounds						
41)	L9 AR-1268-1	7.607	7.572	49315996	27830093	50.408	52.552
42)	L9 AR-1268-2	7.671	7.637	45468978	24959856	50.426	51.586
43)	L9 AR-1268-3	7.879	7.842	39262321	18191772	51.343	52.050
44)	L9 AR-1268-4	8.167	8.128	16499854	6234396	49.821	47.744
45)	L9 AR-1268-5	8.463	8.420	106.9E6	38344241	48.698	50.605

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

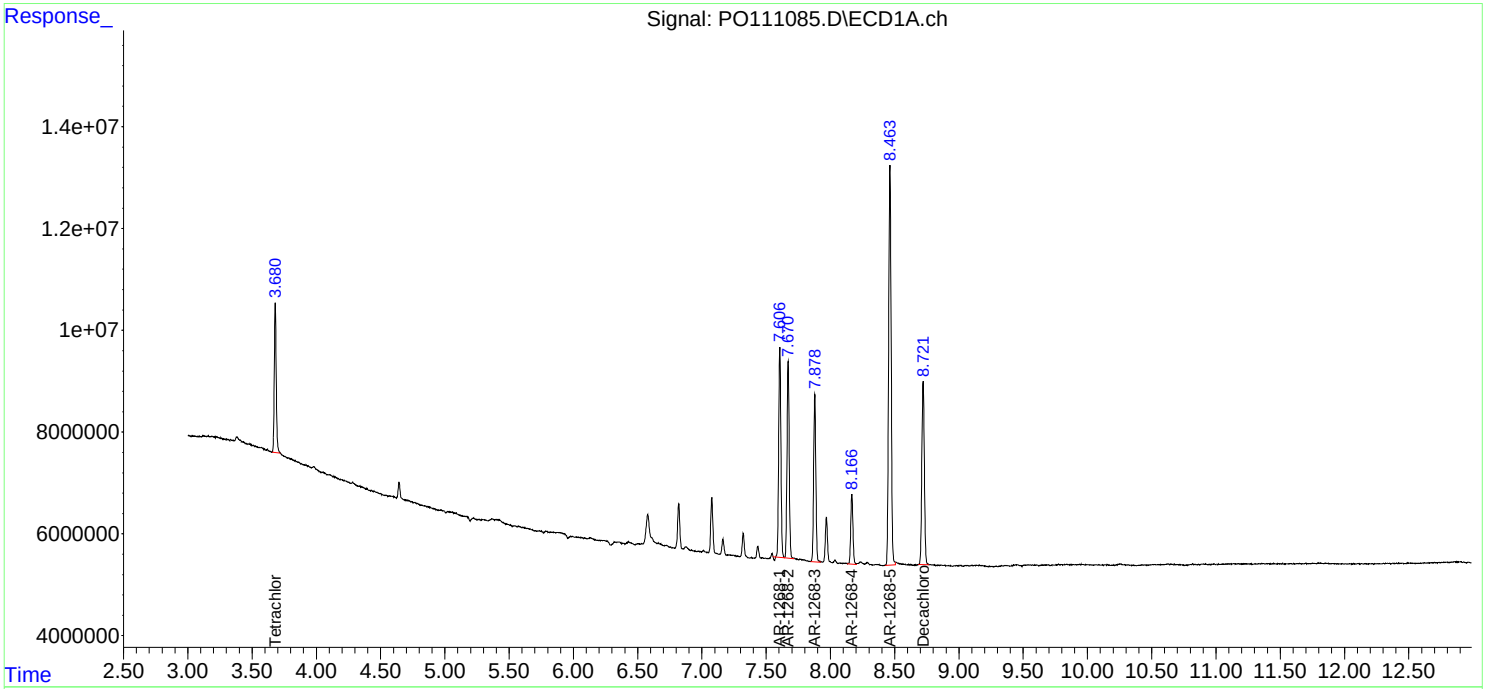
ICAL Form

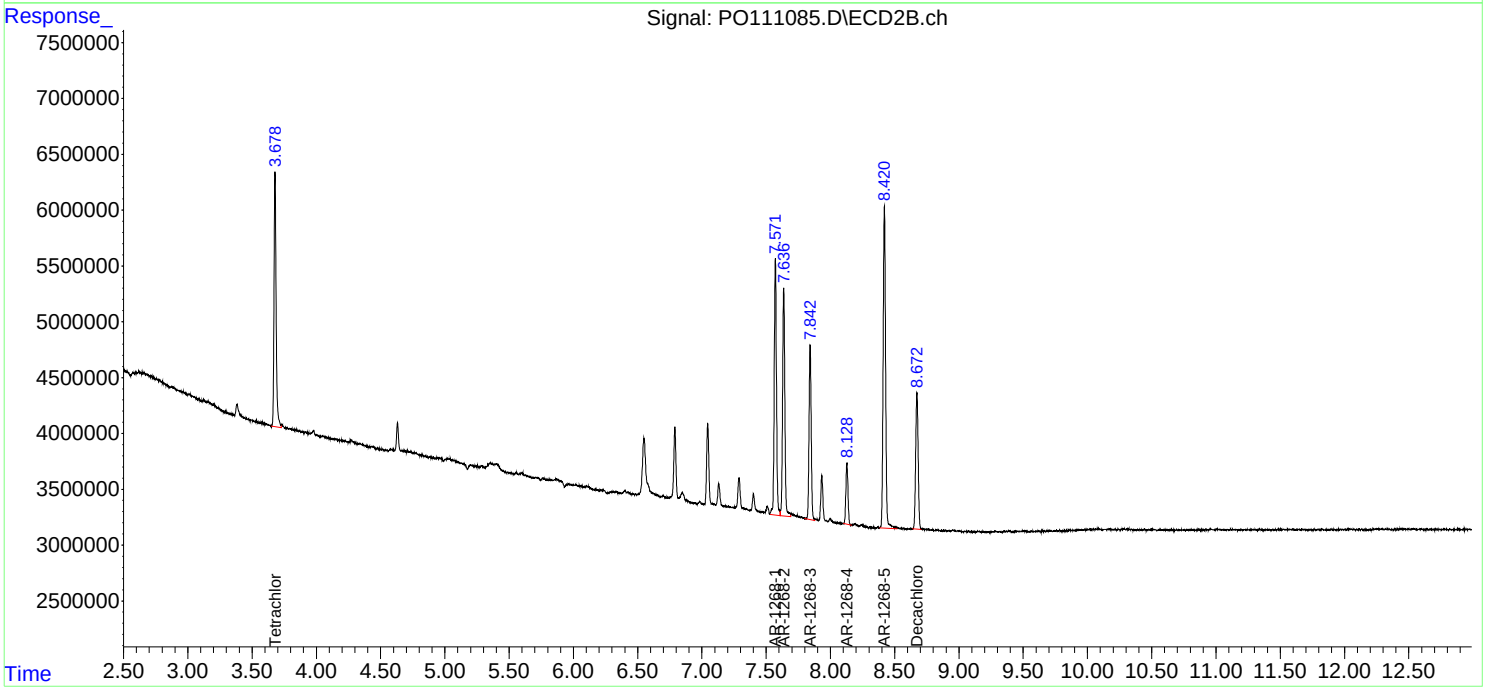
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111085.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 01:31
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:17:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:12:55 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_O\Data\PO051525\
Data File : PO111086.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 01:50
Operator : YP/AJ
Sample : PO051525ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO051525

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:39:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:36:57 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...	3.683	3.680	299.9E6	278.2E6	50.977	51.032
2)	SA Decachlor...	8.724	8.674	257.8E6	95007008	49.937	51.351
	Target Compounds						
3)	L1 AR-1016-1	4.774	4.759	114.2E6	95398004	507.589	499.656
4)	L1 AR-1016-2	4.793	4.778	161.4E6	137.6E6	506.205	496.569
5)	L1 AR-1016-3	4.849	4.953	112.3E6	73817070	517.291	505.337
6)	L1 AR-1016-4	4.969	4.995	88734333	60529384	509.534	504.039
7)	L1 AR-1016-5	5.226	5.208	90702842	77413957	515.382	501.384
31)	L7 AR-1260-1	6.266	6.238	155.3E6	125.8E6	509.245	503.619
32)	L7 AR-1260-2	6.455	6.426	192.1E6	147.5E6	501.513	501.050
33)	L7 AR-1260-3	6.822	6.578	175.9E6	139.3E6	504.478	485.852
34)	L7 AR-1260-4	7.082	7.049	141.0E6	101.6E6	503.768	506.176
35)	L7 AR-1260-5	7.324	7.290	361.0E6	232.3E6	501.501	505.512

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

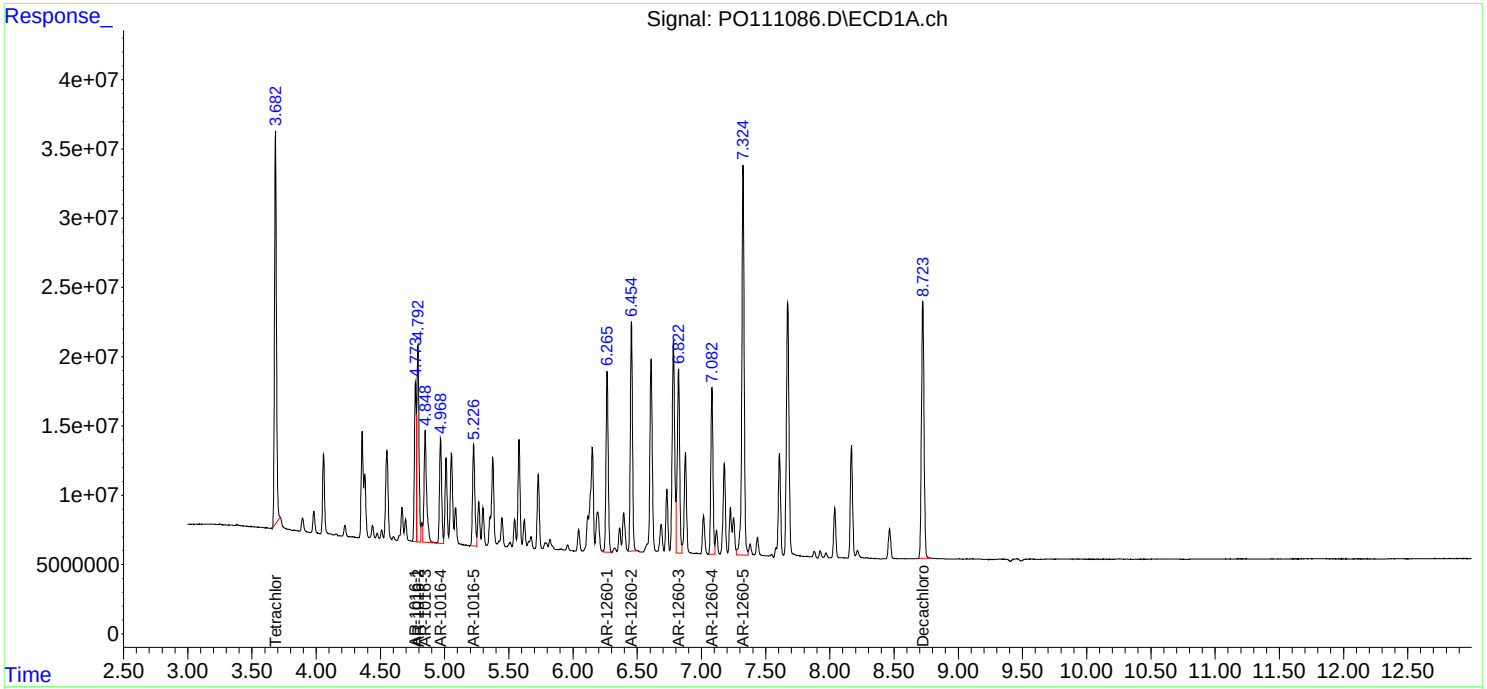
ICAL Form

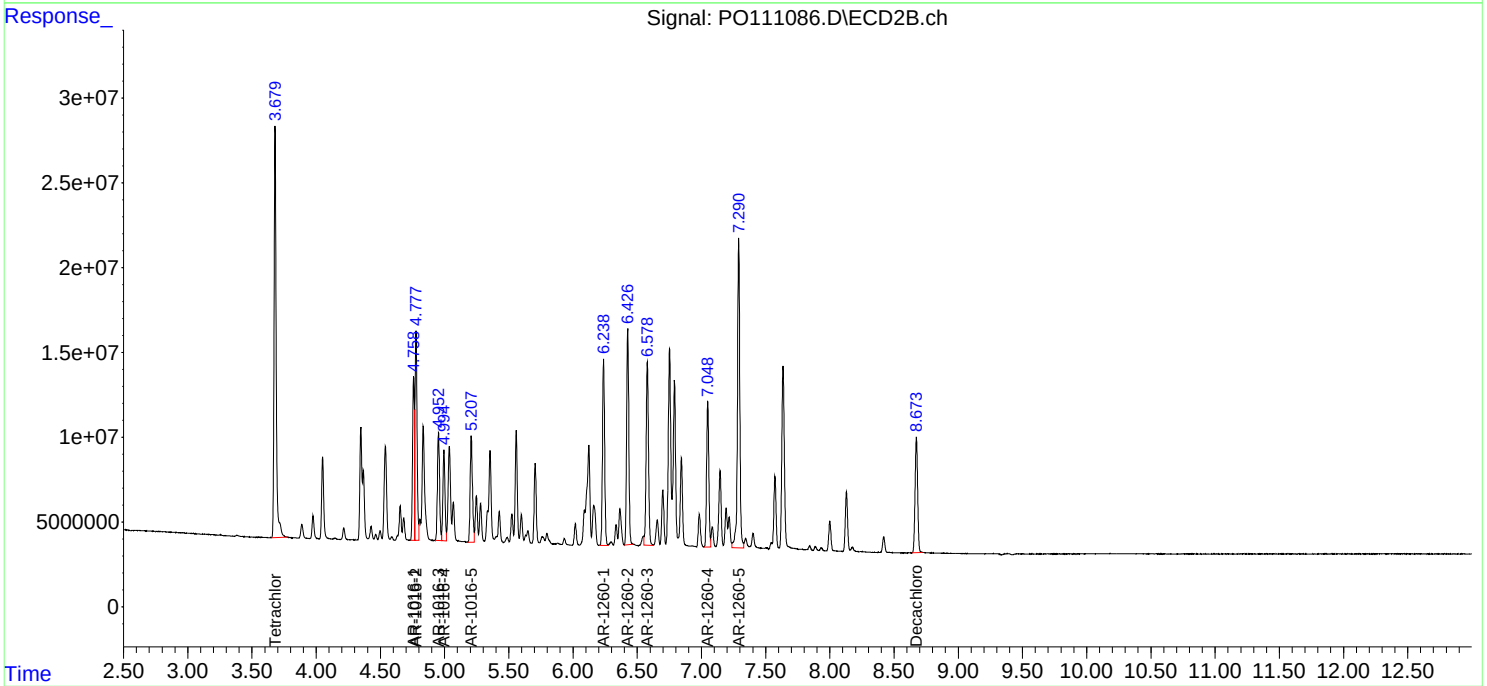
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111086.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 01:50
Operator : YP/AJ
Sample : PO051525ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO051525

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:39:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:36:57 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_O\Data\PO051525\
Data File : PO111087.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 02:26
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO051525AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:40:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:36:57 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...	3.683	3.680	305.8E6	280.9E6	51.973	51.528
2)	SA Decachlor...	8.725	8.674	260.0E6	94073353	50.364	50.846
	Target Compounds						
16)	L4 AR-1242-1	4.773	4.759	100.1E6	82733417	523.282	513.532
17)	L4 AR-1242-2	4.792	4.778	140.8E6	120.8E6	517.536	514.803
18)	L4 AR-1242-3	4.849	4.953	98004292	64351170	526.942	520.562
19)	L4 AR-1242-4	4.969	5.037	77694741	63517417	525.674	513.832
20)	L4 AR-1242-5	5.621	5.558	81076986	78206793	521.255	514.564

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

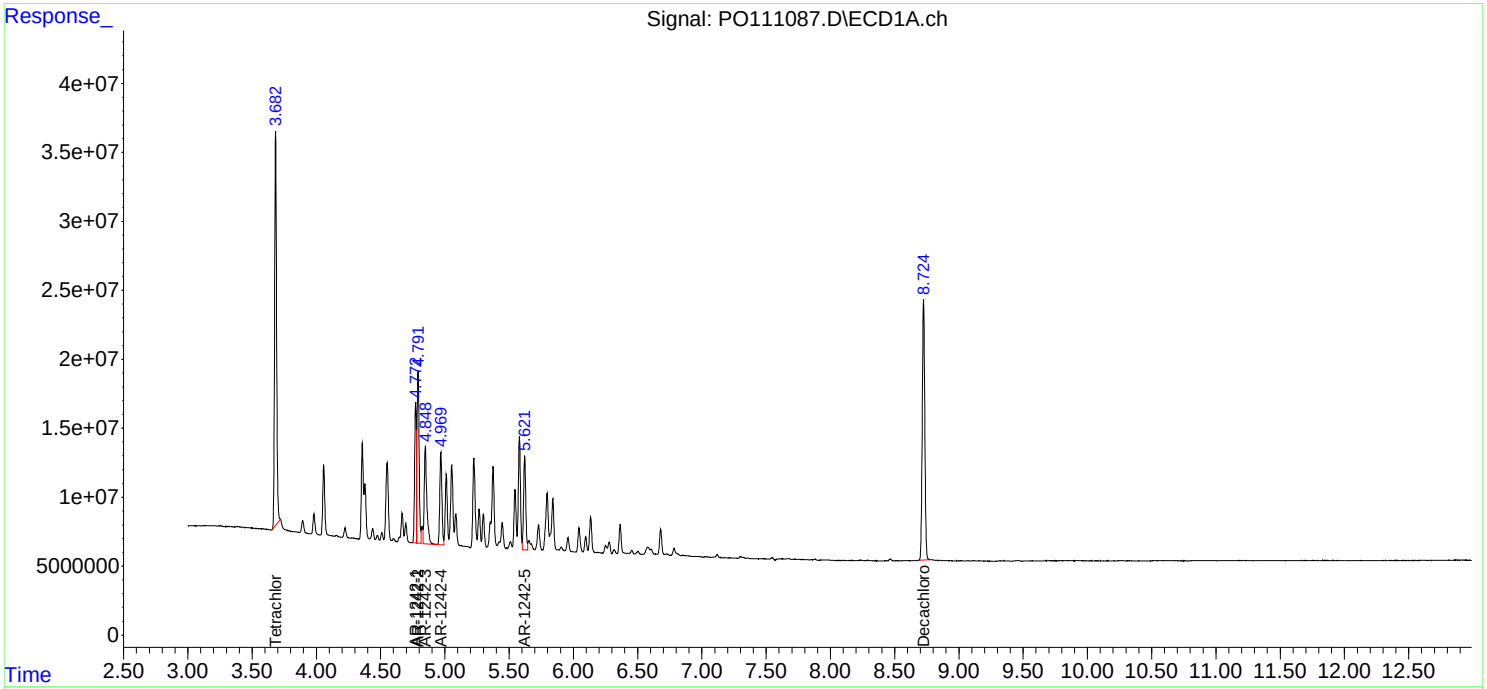
ICAL Form

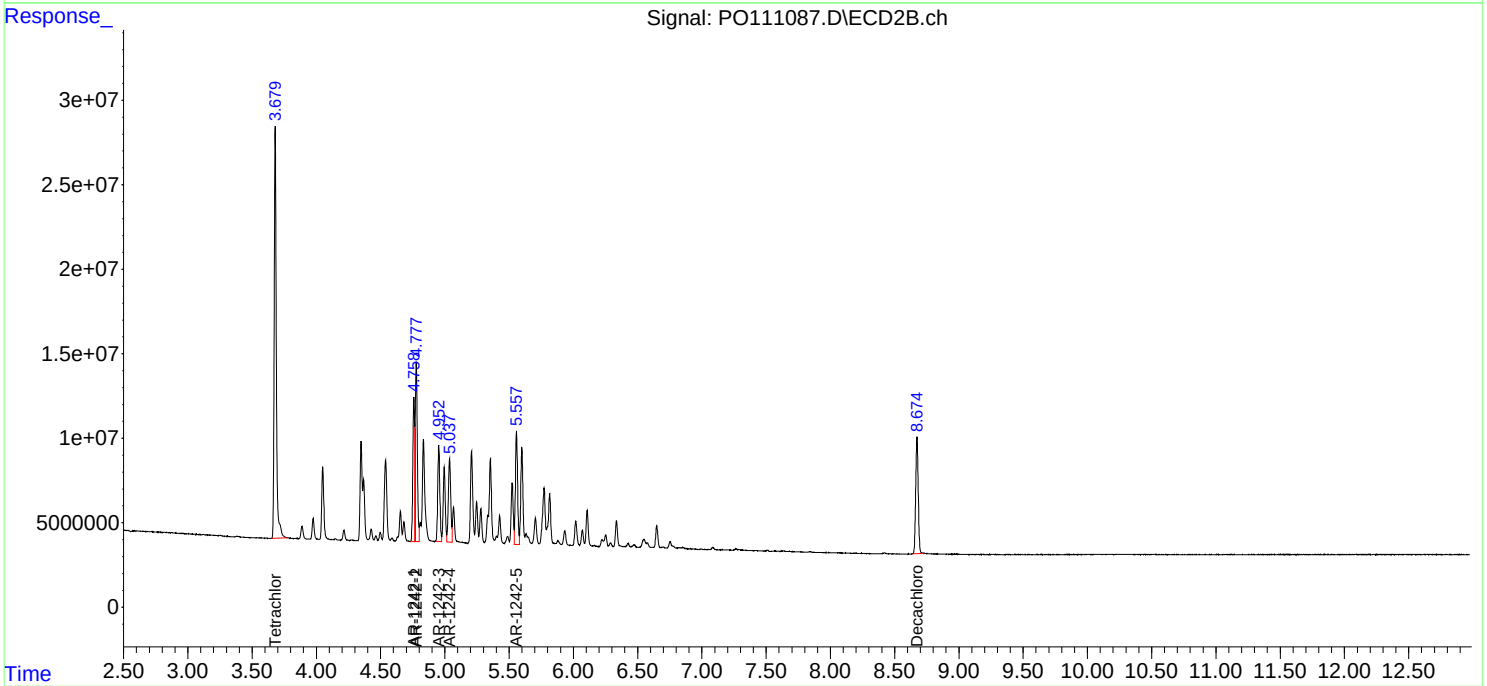
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111087.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 02:26
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO051525AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:40:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:36:57 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_O\Data\PO051525\
Data File : PO111088.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 03:03
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO051525AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:40:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:36:57 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...	3.683	3.680	302.3E6	269.4E6	51.383	49.416
2)	SA Decachlor...	8.725	8.674	257.8E6	92861317	49.936	50.191
	Target Compounds						
21)	L5 AR-1248-1	4.773	4.758	75013440	61783121	489.753	476.251
22)	L5 AR-1248-2	5.012	4.994	98705358	84886979	492.253	482.609
23)	L5 AR-1248-3	5.226	5.037	123.6E6	90239307	482.709	480.983
24)	L5 AR-1248-4	5.580	5.207	175.1E6	105.4E6	483.415	479.447
25)	L5 AR-1248-5	5.622	5.598	126.5E6	105.1E6	482.660	481.511

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

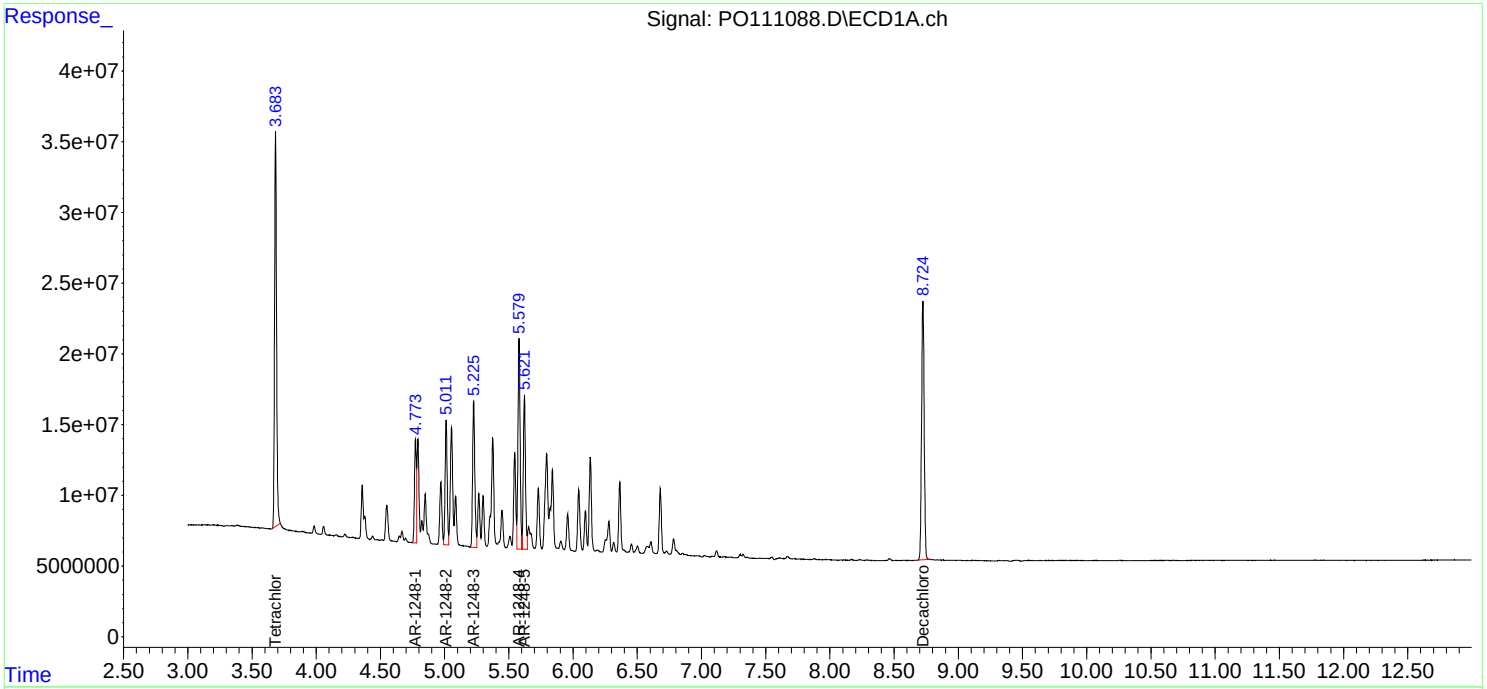
ICAL Form

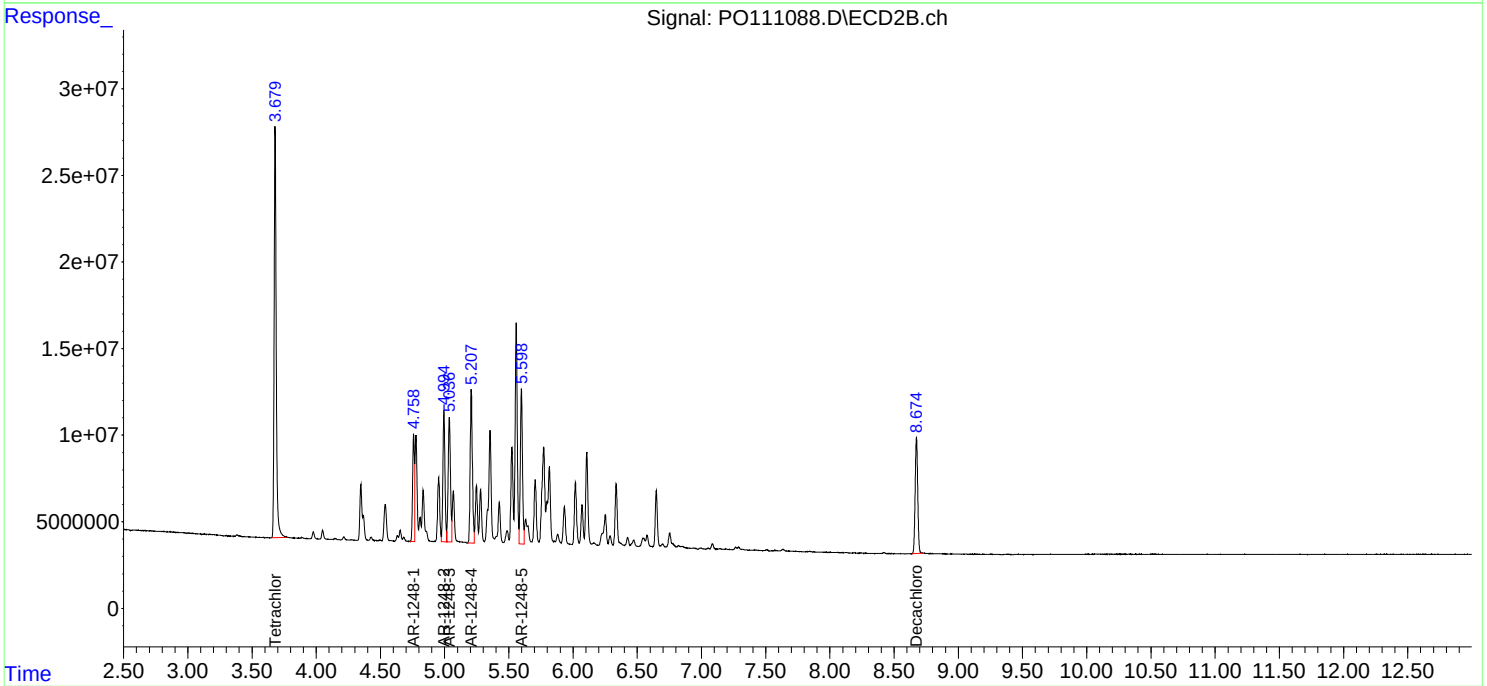
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111088.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 03:03
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO051525AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:40:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:36:57 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_O\Data\PO051525\
Data File : PO111089.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 03:40
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO051525AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:41:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:36:57 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...	3.683	3.679	308.9E6	272.7E6	52.510	50.016
2)	SA Decachlor...	8.725	8.674	260.1E6	92401602	50.379	49.943
	Target Compounds						
26)	L6 AR-1254-1	5.581	5.558	183.2E6	154.4E6	482.546	476.507
27)	L6 AR-1254-2	5.730	5.706	158.3E6	134.3E6	484.442	474.276
28)	L6 AR-1254-3	6.135	6.107	251.9E6	206.7E6	478.753	479.126
29)	L6 AR-1254-4	6.365	6.336	160.6E6	118.8E6	477.996	480.225
30)	L6 AR-1254-5	6.784	6.753	228.7E6	165.0E6	482.108	477.039

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

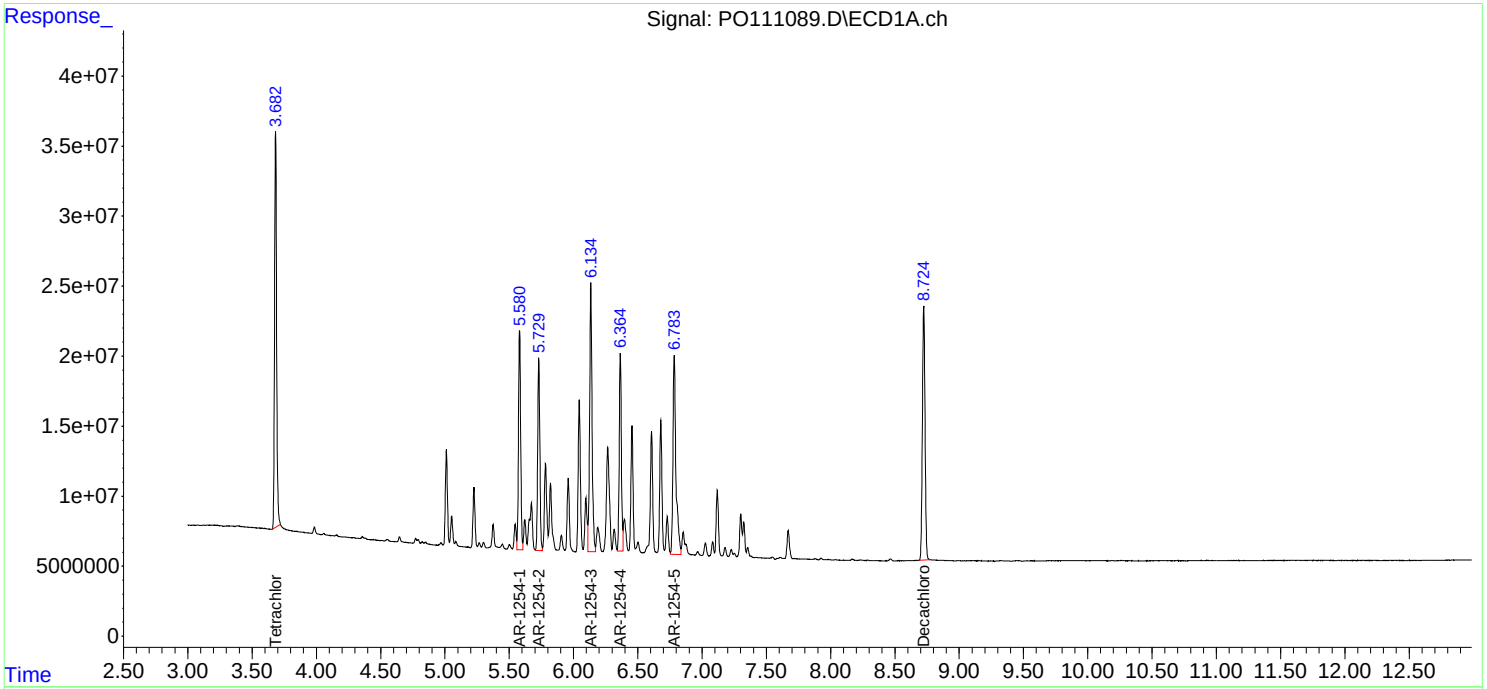
ICAL Form

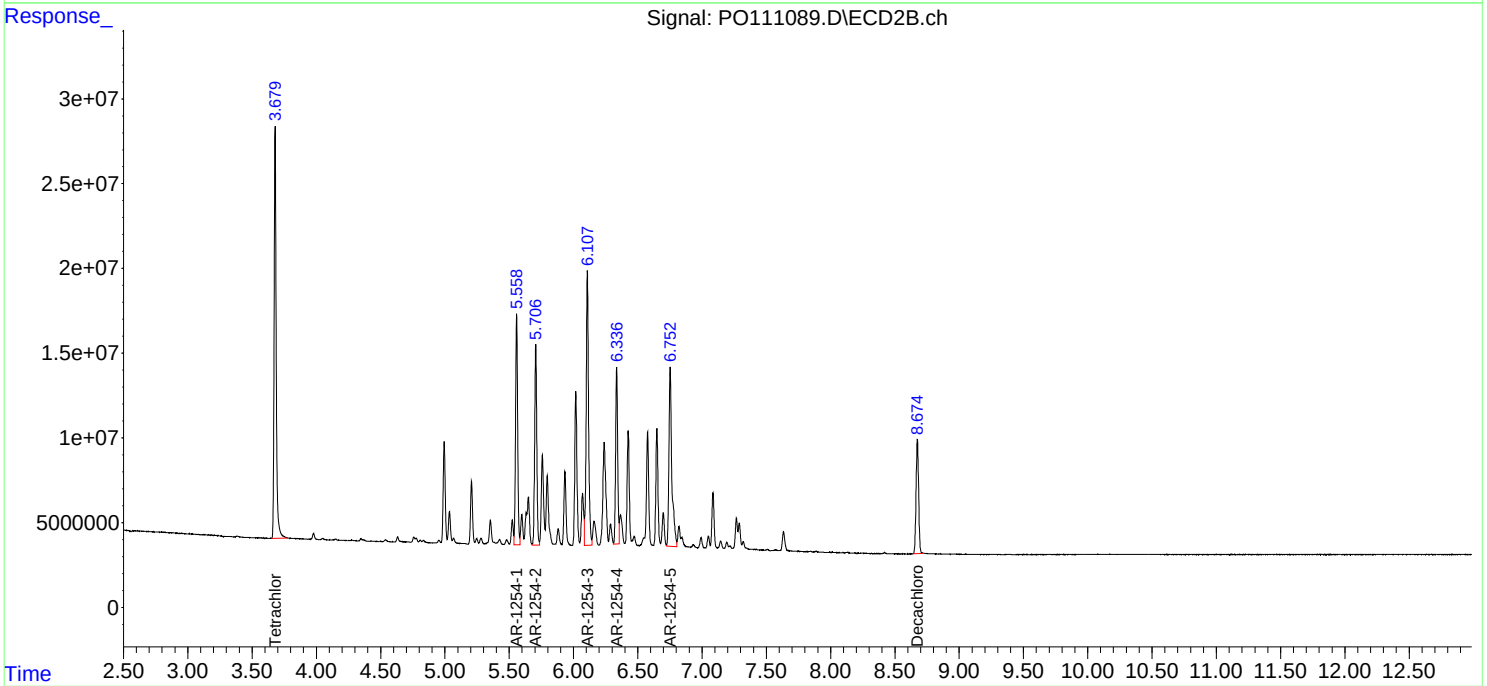
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111089.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 03:40
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO051525AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:41:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:36:57 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_O\Data\PO051525\
Data File : PO111090.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 04:17
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO051525AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 07:05:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:04:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.683	3.679	316.0E6	278.9E6	49.967	49.915
2)	SA Decachlor...	8.725	8.674	463.0E6	161.9E6	49.157	50.297
	Target Compounds						
41)	L9 AR-1268-1	7.610	7.573	483.9E6	268.5E6	499.094	506.477
42)	L9 AR-1268-2	7.674	7.638	441.4E6	247.6E6	494.559	513.322
43)	L9 AR-1268-3	7.881	7.844	371.8E6	178.9E6	489.927	513.498
44)	L9 AR-1268-4	8.170	8.129	162.1E6	67162410	496.415	527.719
45)	L9 AR-1268-5	8.466	8.421	1064.0E6	381.5E6	492.966	506.818

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

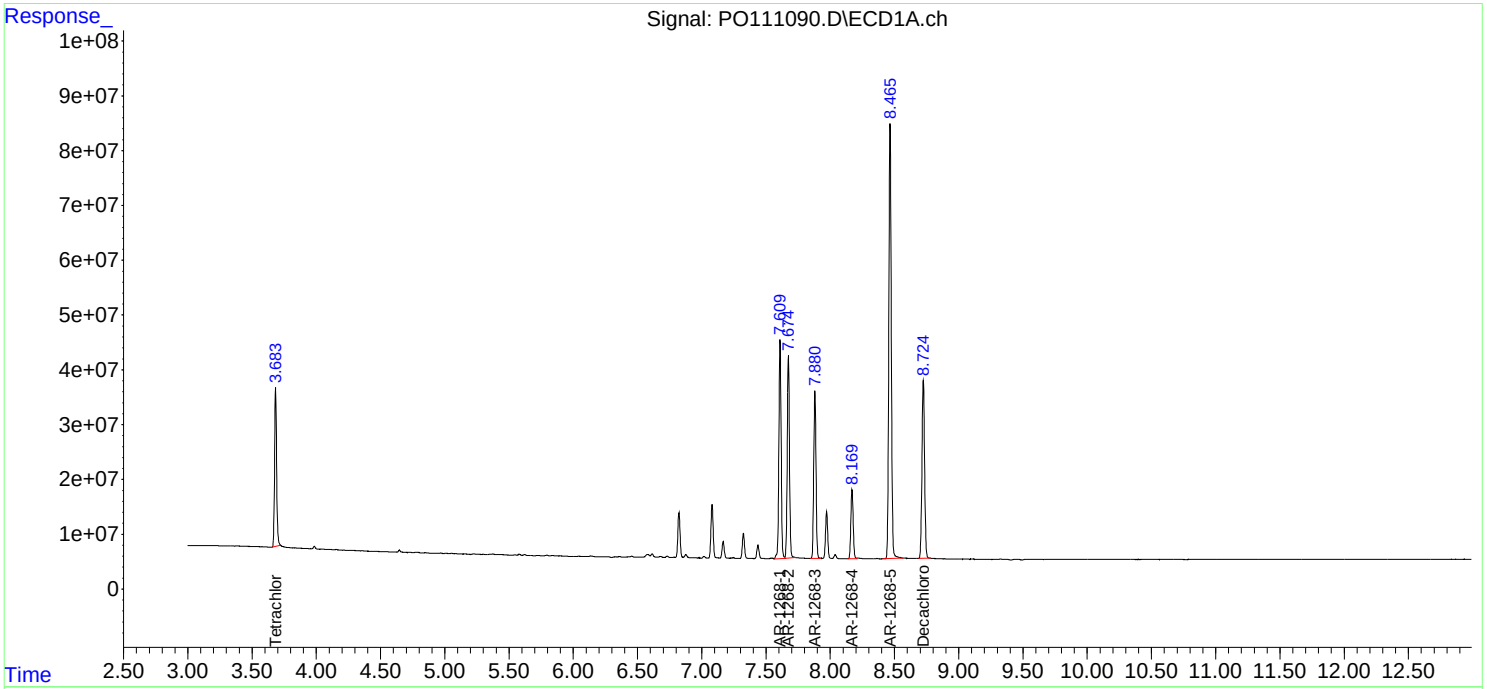
ICAL Form

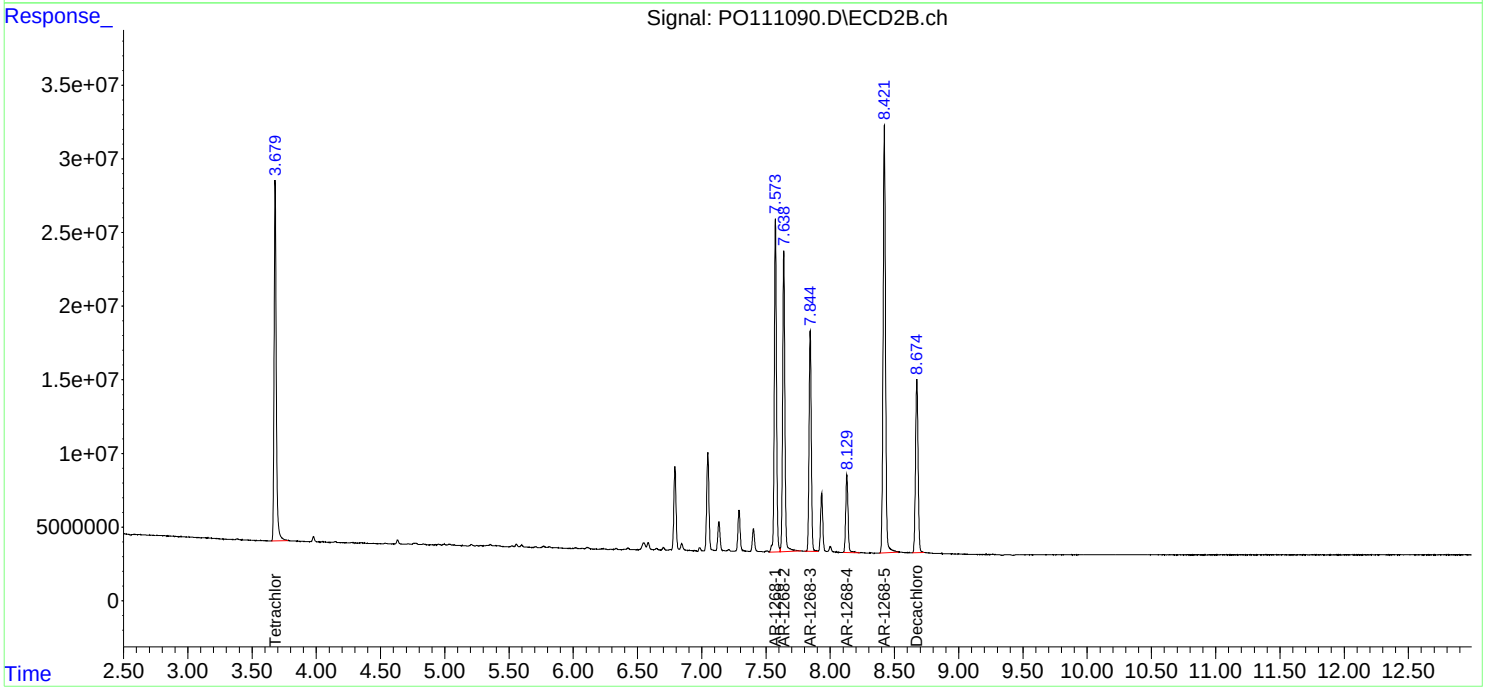
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111090.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 04:17
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO051525AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 07:05:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:04:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Instrument ID: ECD_P **Calibration Date(s):** 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

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

LAB FILE ID: RT 1000 = PP071389.D RT 750 = PP071390.D

RT 500 = PP071391.D RT 250 = PP071392.D RT 050 = PP071393.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.66	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1016-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1016-3	(3)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1016-4	(4)	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
Aroclor-1016-5	(5)	6.14	6.14	6.15	6.14	6.14	6.14	6.04	6.24
Aroclor-1260-1	(1)	7.26	7.26	7.27	7.26	7.26	7.26	7.16	7.36
Aroclor-1260-2	(2)	7.51	7.51	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1260-3	(3)	7.87	7.87	7.88	7.87	7.88	7.87	7.77	7.97
Aroclor-1260-4	(4)	8.10	8.10	8.10	8.10	8.10	8.10	8.00	8.20
Aroclor-1260-5	(5)	8.42	8.42	8.42	8.42	8.42	8.42	8.32	8.52
Decachlorobiphenyl		10.23	10.23	10.24	10.23	10.24	10.23	10.13	10.33
Tetrachloro-m-xylene		4.51	4.51	4.52	4.51	4.52	4.51	4.41	4.61
Aroclor-1242-1	(1)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1242-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1242-3	(3)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1242-4	(4)	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
Aroclor-1242-5	(5)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Decachlorobiphenyl		10.23	10.24	10.24	10.23	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene		4.51	4.52	4.51	4.51	4.52	4.51	4.41	4.61
Aroclor-1248-1	(1)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1248-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1248-3	(3)	6.14	6.14	6.14	6.14	6.14	6.14	6.04	6.24
Aroclor-1248-4	(4)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Aroclor-1248-5	(5)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Decachlorobiphenyl		10.24	10.24	10.24	10.24	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene		4.52	4.52	4.51	4.51	4.51	4.51	4.41	4.61
Aroclor-1254-1	(1)	6.52	6.52	6.52	6.52	6.52	6.52	6.42	6.62
Aroclor-1254-2	(2)	6.74	6.74	6.74	6.73	6.74	6.74	6.64	6.84
Aroclor-1254-3	(3)	7.10	7.10	7.10	7.10	7.10	7.10	7.00	7.20
Aroclor-1254-4	(4)	7.38	7.38	7.38	7.38	7.38	7.38	7.28	7.48
Aroclor-1254-5	(5)	7.80	7.80	7.80	7.80	7.80	7.80	7.70	7.90
Decachlorobiphenyl		10.24	10.24	10.24	10.23	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene		4.52	4.52	4.52	4.51	4.51	4.51	4.41	4.61
Aroclor-1268-1	(1)	8.73	8.73	8.73	8.74	8.73	8.73	8.63	8.83
Aroclor-1268-2	(2)	8.83	8.83	8.83	8.83	8.83	8.83	8.73	8.93
Aroclor-1268-3	(3)	9.06	9.06	9.06	9.06	9.06	9.06	8.96	9.16
Aroclor-1268-4	(4)	9.48	9.48	9.48	9.48	9.48	9.48	9.38	9.58
Aroclor-1268-5	(5)	9.89	9.89	9.89	9.90	9.89	9.90	9.80	10.00

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.24	10.23	10.24	10.24	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene	4.51	4.52	4.52	4.52	4.51	4.52	4.42	4.62

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: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Instrument ID: ECD_P **Calibration Date(s):** 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

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

LAB FILE ID: RT 1000 = PP071389.D RT 750 = PP071390.D

RT 500 = PP071391.D RT 250 = PP071392.D RT 050 = PP071393.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1016-2	(2)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-3	(3)	5.09	5.09	5.09	5.09	5.09	5.09	4.99	5.19
Aroclor-1016-4	(4)	5.13	5.13	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1016-5	(5)	5.35	5.35	5.35	5.35	5.35	5.35	5.25	5.45
Aroclor-1260-1	(1)	6.38	6.38	6.39	6.39	6.38	6.38	6.28	6.48
Aroclor-1260-2	(2)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Aroclor-1260-3	(3)	6.73	6.73	6.73	6.73	6.73	6.73	6.63	6.83
Aroclor-1260-4	(4)	7.20	7.20	7.20	7.20	7.20	7.20	7.10	7.30
Aroclor-1260-5	(5)	7.44	7.44	7.44	7.44	7.44	7.44	7.34	7.54
Decachlorobiphenyl		8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene		3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91
Aroclor-1242-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1242-2	(2)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-3	(3)	5.09	5.09	5.09	5.09	5.09	5.09	4.99	5.19
Aroclor-1242-4	(4)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1242-5	(5)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Decachlorobiphenyl		8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene		3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91
Aroclor-1248-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1248-2	(2)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1248-3	(3)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1248-4	(4)	5.35	5.35	5.35	5.35	5.35	5.35	5.25	5.45
Aroclor-1248-5	(5)	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Decachlorobiphenyl		8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene		3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91
Aroclor-1254-1	(1)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1254-2	(2)	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
Aroclor-1254-3	(3)	6.25	6.26	6.25	6.26	6.26	6.26	6.16	6.36
Aroclor-1254-4	(4)	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Aroclor-1254-5	(5)	6.90	6.90	6.90	6.90	6.90	6.90	6.80	7.00
Decachlorobiphenyl		8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene		3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91
Aroclor-1268-1	(1)	7.72	7.72	7.72	7.72	7.72	7.72	7.62	7.82
Aroclor-1268-2	(2)	7.79	7.79	7.79	7.79	7.79	7.79	7.69	7.89
Aroclor-1268-3	(3)	7.99	7.99	7.99	7.99	7.99	7.99	7.89	8.09
Aroclor-1268-4	(4)	8.29	8.29	8.29	8.29	8.29	8.29	8.19	8.39
Aroclor-1268-5	(5)	8.59	8.59	8.59	8.59	8.59	8.59	8.49	8.69

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene	3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91

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: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Instrument ID: ECD_P

Calibration Date(s): 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

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

LAB FILE ID: **CF 1000 =** PP071389.D **CF 750 =** PP071390.D

CF 500 = PP071391.D **CF 250 =** PP071392.D **CF 050 =** PP071393.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	64709894	67652695	70083532	71128656	61674340	67049823	6
Aroclor-1016-2	(2)	98977911	102364897	107369074	108813892	95615840	102628323	5
Aroclor-1016-3	(3)	59905708	62127143	64296308	65849928	56056440	61647105	6
Aroclor-1016-4	(4)	50563747	52419789	53619076	54941428	44946700	51298148	8
Aroclor-1016-5	(5)	47772963	49344036	50670668	50888564	42515680	48238382	7
Aroclor-1260-1	(1)	90879847	94857525	98814986	99659744	95910940	96024608	4
Aroclor-1260-2	(2)	137163459	142386411	147498372	149887700	138450980	143077384	4
Aroclor-1260-3	(3)	110350751	114445481	117702804	126515524	91505860	112104084	12
Aroclor-1260-4	(4)	105570732	110780085	111211068	131260612	105501660	112864831	9
Aroclor-1260-5	(5)	220536830	229070229	228919678	255108180	199231240	226573231	9
Decachlorobiphenyl		1409816860	1467002307	1522583160	1539948480	1300700600	1448010281	7
Tetrachloro-m-xylene		1947183160	2005072840	2066603680	2100352680	1793966200	1982635712	6
Aroclor-1242-1	(1)	53870259	55684409	58494980	58676784	47130380	54771362	9
Aroclor-1242-2	(2)	81881116	85641493	90236470	89744200	77399340	84980524	6
Aroclor-1242-3	(3)	49423643	51294363	53309060	53836868	47752740	51123335	5
Aroclor-1242-4	(4)	41638031	42855355	45034468	44656444	36858500	42208560	8
Aroclor-1242-5	(5)	44955701	46392219	48330700	47956460	43817460	46290508	4
Decachlorobiphenyl		1368547670	1421241013	1488838040	1503303480	1179092600	1392204561	9
Tetrachloro-m-xylene		1868945350	1926494133	2017272340	2030390160	1613146400	1891249677	9
Aroclor-1248-1	(1)	42447397	43370463	44490672	45736348	38649560	42938888	6
Aroclor-1248-2	(2)	57932834	60215229	62023042	63285912	58705480	60432499	4
Aroclor-1248-3	(3)	65030901	68053485	69372090	70318056	61147600	66784426	6
Aroclor-1248-4	(4)	80777360	84441085	86910244	89142916	81782860	84610893	4
Aroclor-1248-5	(5)	76029464	78502729	80776474	83552224	78380620	79448302	4
Decachlorobiphenyl		1379130770	1440268240	1485619680	1521197800	1358343200	1436911938	5
Tetrachloro-m-xylene		1879191440	1925518227	1989640420	2037603040	1811949400	1928780505	5
Aroclor-1254-1	(1)	78574372	81246615	85577334	88598188	75759400	81951182	6
Aroclor-1254-2	(2)	121624435	125816099	132146328	137115708	118678260	127076166	6
Aroclor-1254-3	(3)	123432630	127799839	132981654	137623252	117036460	127774767	6
Aroclor-1254-4	(4)	112512019	116259037	121737436	124392856	112665620	117513394	5
Aroclor-1254-5	(5)	106399089	105922557	113785120	116153044	96391680	107730298	7
Decachlorobiphenyl		1410101810	1469202520	1526389740	1549706840	1328725400	1456825262	6
Tetrachloro-m-xylene		1888241120	1936990333	2012368600	2071565920	1722515200	1926336235	7
Aroclor-1268-1	(1)	299594266	309097848	319744804	331826088	282063800	308465361	6

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	251109850	259047004	267960354	275856908	228123960	256419615	7
Aroclor-1268-3	(3)	211915080	218354113	225284280	231505696	216470880	220706010	4
Aroclor-1268-4	(4)	93231632	96431025	99007040	98059984	82736300	93893196	7
Aroclor-1268-5	(5)	590082071	603740247	621062448	631335032	536707900	596585540	6
Decachlorobiphenyl		2486623660	2556709627	2669414960	2694667240	2263272000	2534137497	7
Tetrachloro-m-xylene		1883977950	1931567613	1982008260	2006991440	1590966000	1879102253	9

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Instrument ID: ECD_P **Calibration Date(s):** 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

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

LAB FILE ID: **CF 1000 =** PP071389.D **CF 750 =** PP071390.D

CF 500 = PP071391.D **CF 250 =** PP071392.D **CF 050 =** PP071393.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	48121828	49414308	53806128	56180596	60145020	53533576	9
Aroclor-1016-2	(2)	69736709	72096436	77213744	78520924	84250740	76363711	7
Aroclor-1016-3	(3)	38517048	40455577	43831736	45082616	43165080	42210411	6
Aroclor-1016-4	(4)	31206636	32814844	36123020	37095092	35190100	34485938	7
Aroclor-1016-5	(5)	39458687	41985771	45850608	46345748	48595640	44447291	8
Aroclor-1260-1	(1)	63219917	66123699	73727666	76350368	82074520	72299234	11
Aroclor-1260-2	(2)	77338708	77548395	89921718	91492956	101005300	87461415	12
Aroclor-1260-3	(3)	72062678	70944365	81698234	79344004	87888600	78387576	9
Aroclor-1260-4	(4)	57333188	56779915	65331750	68083052	68025140	63110609	9
Aroclor-1260-5	(5)	143809415	139161576	155842678	157512280	157560640	150777318	6
Decachlorobiphenyl		831147600	875337973	902319620	934998560	841460400	877052831	5
Tetrachloro-m-xylene		1380433570	1378340613	1415112020	1448341640	1420974200	1408640409	2
Aroclor-1242-1	(1)	42717527	44660211	47919806	49576672	46343800	46243603	6
Aroclor-1242-2	(2)	62346958	64901092	68295906	70279172	64290540	66022734	5
Aroclor-1242-3	(3)	34614031	35703872	38469574	40739776	32714120	36448275	9
Aroclor-1242-4	(4)	33518120	34659665	37548334	39683016	33143760	35710579	8
Aroclor-1242-5	(5)	41214500	42688541	44971456	47258656	41407120	43508055	6
Decachlorobiphenyl		815615080	851726400	897002660	917481280	766770800	849719244	7
Tetrachloro-m-xylene		1295159620	1325412680	1503876340	1432488040	1389045200	1389196376	6
Aroclor-1248-1	(1)	30996932	35945815	36538014	39256084	37796080	36106585	9
Aroclor-1248-2	(2)	43624561	47309389	48616518	53505512	51756020	48962400	8
Aroclor-1248-3	(3)	45791659	49899927	50774174	56002176	52959580	51085503	7
Aroclor-1248-4	(4)	53871444	58562581	58680784	64889280	67282380	60657294	9
Aroclor-1248-5	(5)	52150607	56290108	57608714	65271236	60133720	58290877	8
Decachlorobiphenyl		826375100	860756013	900400040	940375840	921771600	889935719	5
Tetrachloro-m-xylene		1324712230	1514156880	1548203640	1434858960	1416930600	1447772462	6
Aroclor-1254-1	(1)	81690839	87361264	89755404	97285536	100908960	91400401	8
Aroclor-1254-2	(2)	70045476	75469849	77317914	83154376	87573280	78712179	9
Aroclor-1254-3	(3)	109725744	114103376	120096818	124380164	124235440	118508308	5
Aroclor-1254-4	(4)	70169900	74068720	77810162	81877428	81901880	77165618	7
Aroclor-1254-5	(5)	92229111	96109599	104690794	107384400	106924600	101467701	7
Decachlorobiphenyl		846307500	875335867	916104900	955261880	868223800	892246789	5
Tetrachloro-m-xylene		1390553300	1501013893	1450901500	1518608160	1468503000	1465915971	3
Aroclor-1268-1	(1)	181860271	188460193	203483780	205414332	201904640	196224643	5

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	154801411	159518377	172755008	173272408	170561360	166181713	5
Aroclor-1268-3	(3)	128491160	133089205	143083692	144773184	135469120	136981272	5
Aroclor-1268-4	(4)	56964280	59695839	63521398	64177792	55793320	60030526	6
Aroclor-1268-5	(5)	367021219	377695863	385175068	387479012	342861840	372046600	5
Decachlorobiphenyl		1499051200	1546040093	1602790460	1652739760	1464953600	1553115023	5
Tetrachloro-m-xylene		1476470990	1445952813	1464214380	1457737600	1300882000	1429051557	5

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Instrument ID: ECD_P **Date(s) Analyzed:** 04/22/2025 04/22/2025

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	4.72	4.62	4.82	24116800
		2	4.80	4.70	4.90	18016900
		3	4.88	4.78	4.98	56611200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.88	4.78	4.98	44912000
		2	5.40	5.30	5.50	23013000
		3	5.69	5.59	5.79	47217600
		4	5.85	5.75	5.95	23179400
		5	5.94	5.84	6.04	16145700
Aroclor-1262	500	1	8.10	8.00	8.20	144491000
		2	8.42	8.32	8.52	274186000
		3	8.74	8.64	8.84	182878000
		4	8.82	8.72	8.92	134211000
		5	9.48	9.38	9.58	88162000

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Instrument ID: ECD_P **Date(s) Analyzed:** 04/22/2025 04/22/2025

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	4.02	3.92	4.12	21995000
		2	4.11	4.01	4.21	16561700
		3	4.19	4.09	4.29	48477000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.19	4.09	4.29	38317800
		2	4.92	4.82	5.02	38187400
		3	5.09	4.99	5.19	21175200
		4	5.18	5.08	5.28	18540400
		5	5.35	5.25	5.45	19901900
Aroclor-1262	500	1	6.94	6.84	7.04	113612000
		2	7.20	7.10	7.30	92339400
		3	7.72	7.62	7.82	75694400
		4	7.79	7.69	7.89	124826000
		5	8.29	8.19	8.39	55493200

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071389.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 10:29
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 11:18:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.511	3.811	194.7E6	138.0E6	97.025	98.760
2)	SA Decachlor...	10.230	8.849	141.0E6	83114760	96.154	95.894
	Target Compounds						
3)	L1 AR-1016-1	5.664	4.897	64709894	48121828	960.134	944.232
4)	L1 AR-1016-2	5.686	4.915	98977911	69736709	959.335	949.119
5)	L1 AR-1016-3	5.749	5.092	59905708	38517048	964.650	935.461
6)	L1 AR-1016-4	5.846	5.134	50563747	31206636	970.673	926.980
7)	L1 AR-1016-5	6.139	5.349	47772963	39458687	970.565	925.074
31)	L7 AR-1260-1	7.259	6.384	90879847	63219917	958.169	923.272
32)	L7 AR-1260-2	7.512	6.572	137.2E6	77338708	963.694	924.770
33)	L7 AR-1260-3	7.872	6.726	110.4E6	72062678	967.762	937.334
34)	L7 AR-1260-4	8.095	7.197	105.6E6	57333188	973.982	934.793
35)	L7 AR-1260-5	8.416	7.439	220.5E6	143.8E6	981.349	959.843

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

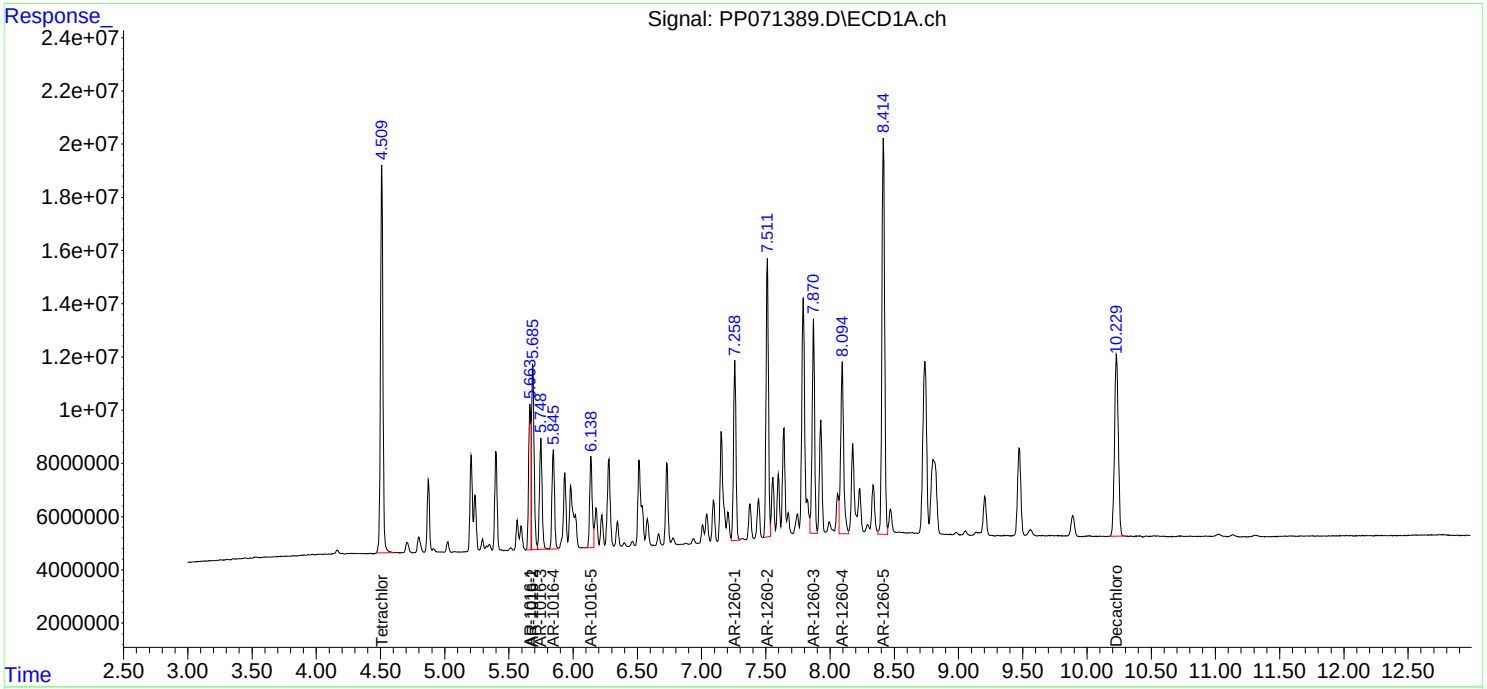
ICAL Form

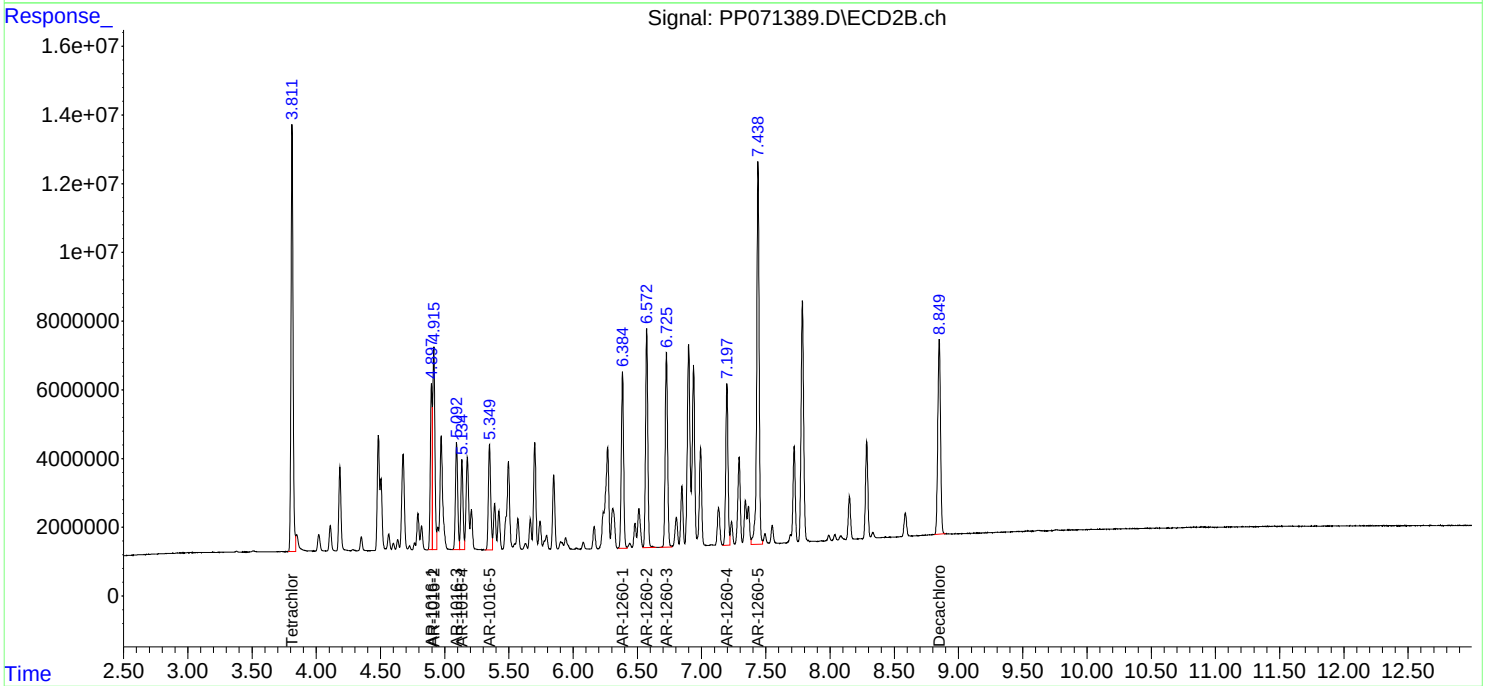
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071389.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 10:29
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 11:18:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\PP042225\
Data File : PP071390.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 10:45
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: Apr 22 11:20:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.514	3.811	150.4E6	103.4E6	74.955	74.302
2)	SA Decachlor...	10.233	8.848	110.0E6	65650348	75.027	75.495
	Target Compounds						
3)	L1 AR-1016-1	5.668	4.897	50739521	37060731	751.897	734.641
4)	L1 AR-1016-2	5.690	4.915	76773673	54072327	746.071	740.558
5)	L1 AR-1016-3	5.752	5.092	46595357	30341683	750.210	741.220
6)	L1 AR-1016-4	5.849	5.134	39314842	24611133	753.145	737.269
7)	L1 AR-1016-5	6.142	5.349	37008027	31489328	751.240	742.118
31)	L7 AR-1260-1	7.261	6.383	71143144	49592774	750.053	732.641
32)	L7 AR-1260-2	7.514	6.572	106.8E6	58161296	750.195	712.735
33)	L7 AR-1260-3	7.873	6.725	85834111	53208274	751.834	710.374
34)	L7 AR-1260-4	8.097	7.197	83085064	42584936	760.941	711.945
35)	L7 AR-1260-5	8.418	7.438	171.8E6	104.4E6	759.599	713.546

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

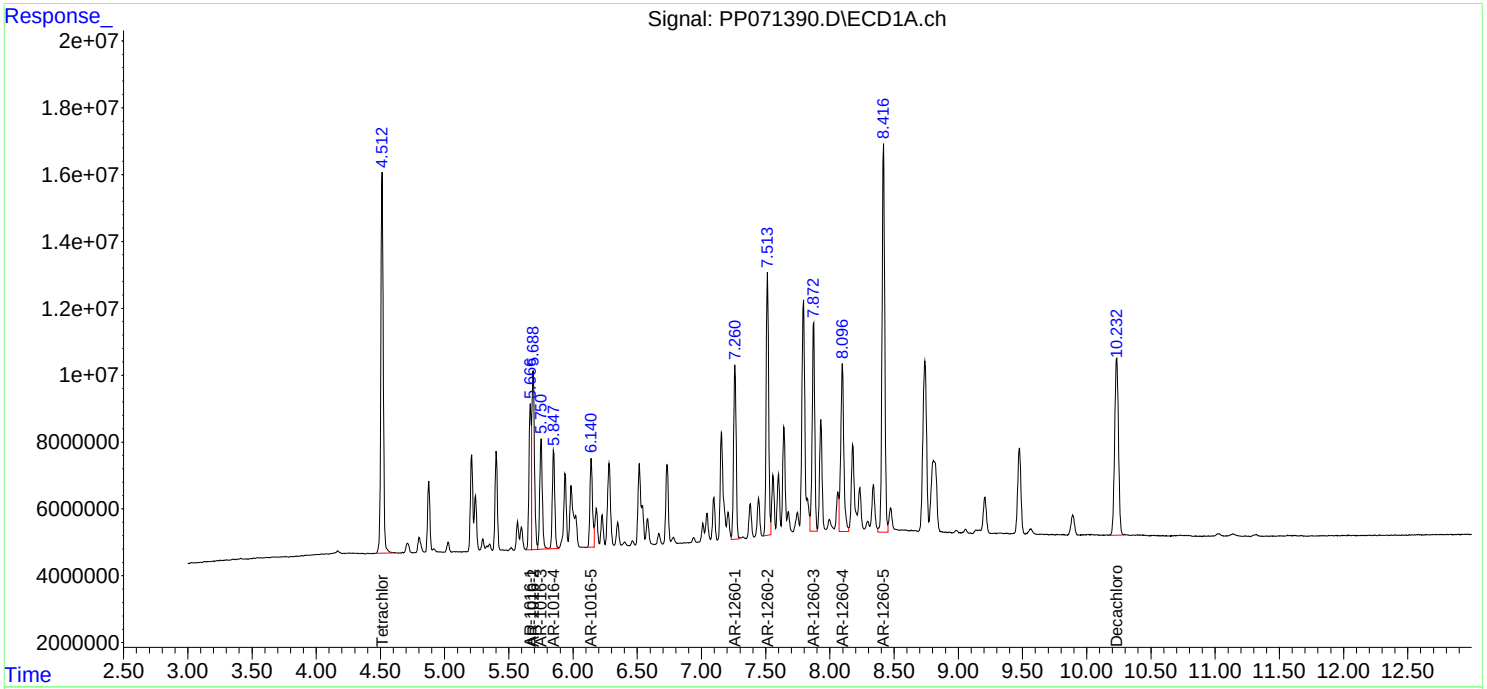
ICAL Form

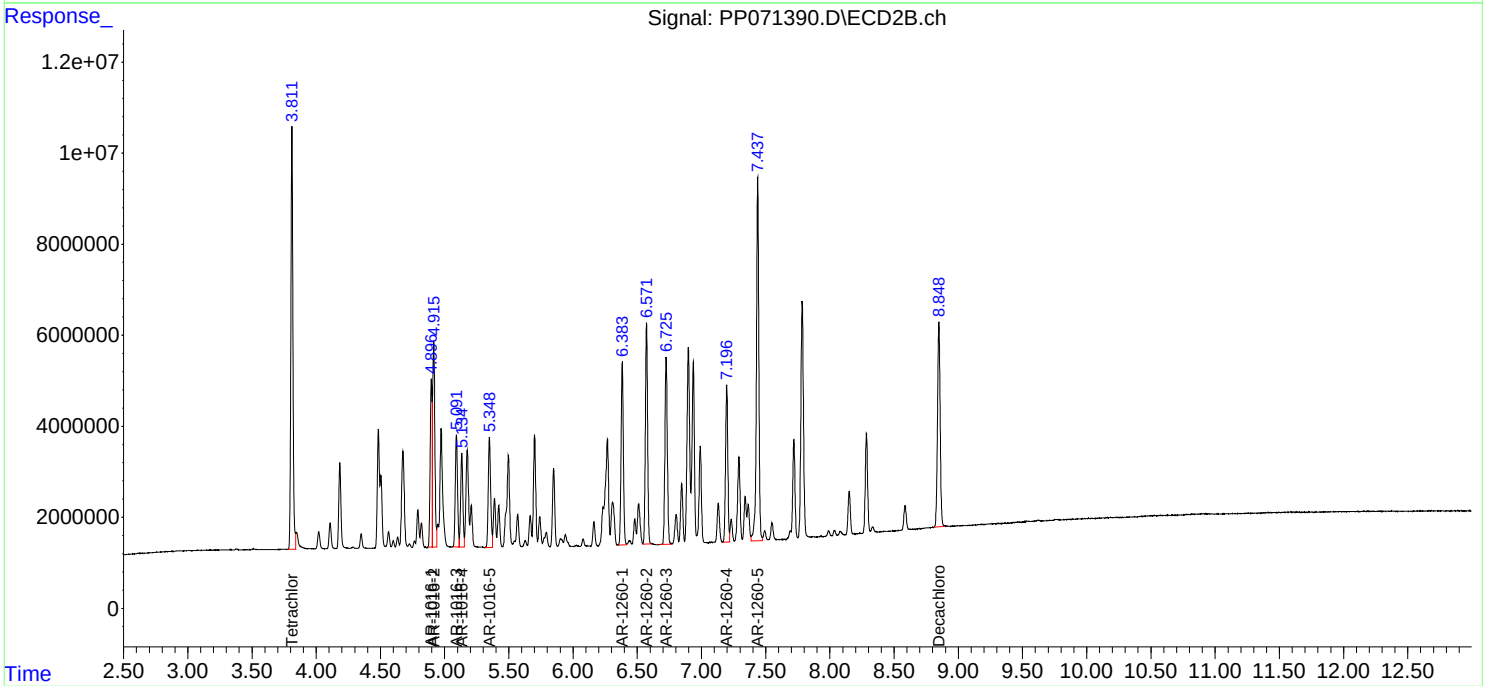
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071390.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 10:45
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 11:20:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\PP042225\
Data File : PP071391.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:02
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: Apr 22 11:15:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.517	3.812	103.3E6	70755601	50.000	50.000
2) SA	Decachlor...	10.237	8.849	76129158	45115981	50.000	50.000
	Target Compounds						
3) L1	AR-1016-1	5.671	4.898	35041766	26903064	500.000	500.000
4) L1	AR-1016-2	5.693	4.916	53684537	38606872	500.000	500.000
5) L1	AR-1016-3	5.754	5.093	32148154	21915868	500.000	500.000
6) L1	AR-1016-4	5.852	5.136	26809538	18061510	500.000	500.000
7) L1	AR-1016-5	6.145	5.350	25335334	22925304	500.000	500.000
31) L7	AR-1260-1	7.265	6.385	49407493	36863833	500.000	500.000
32) L7	AR-1260-2	7.518	6.573	73749186	44960859	500.000	500.000
33) L7	AR-1260-3	7.877	6.727	58851402	40849117	500.000	500.000
34) L7	AR-1260-4	8.102	7.198	55605534	32665875	500.000	500.000
35) L7	AR-1260-5	8.422	7.439	114.5E6	77921339	500.000	500.000

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

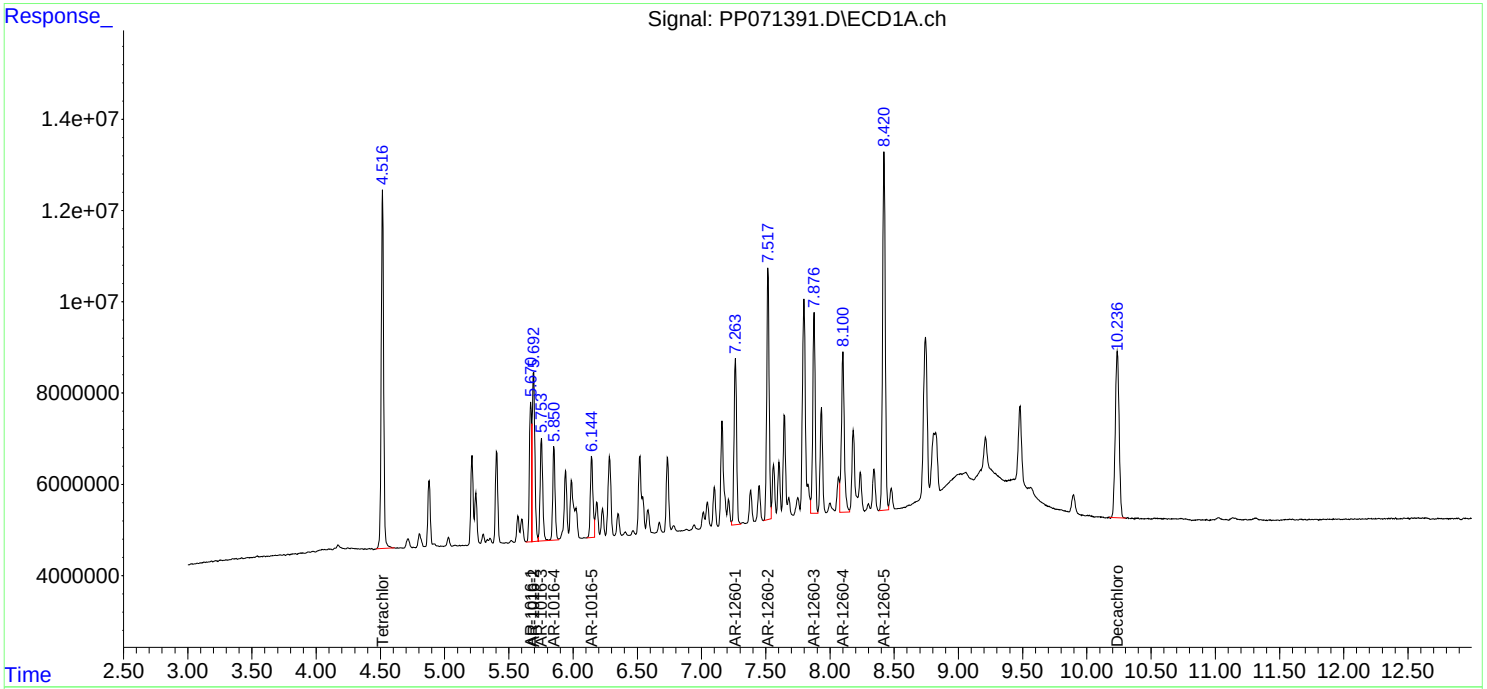
ICAL Form

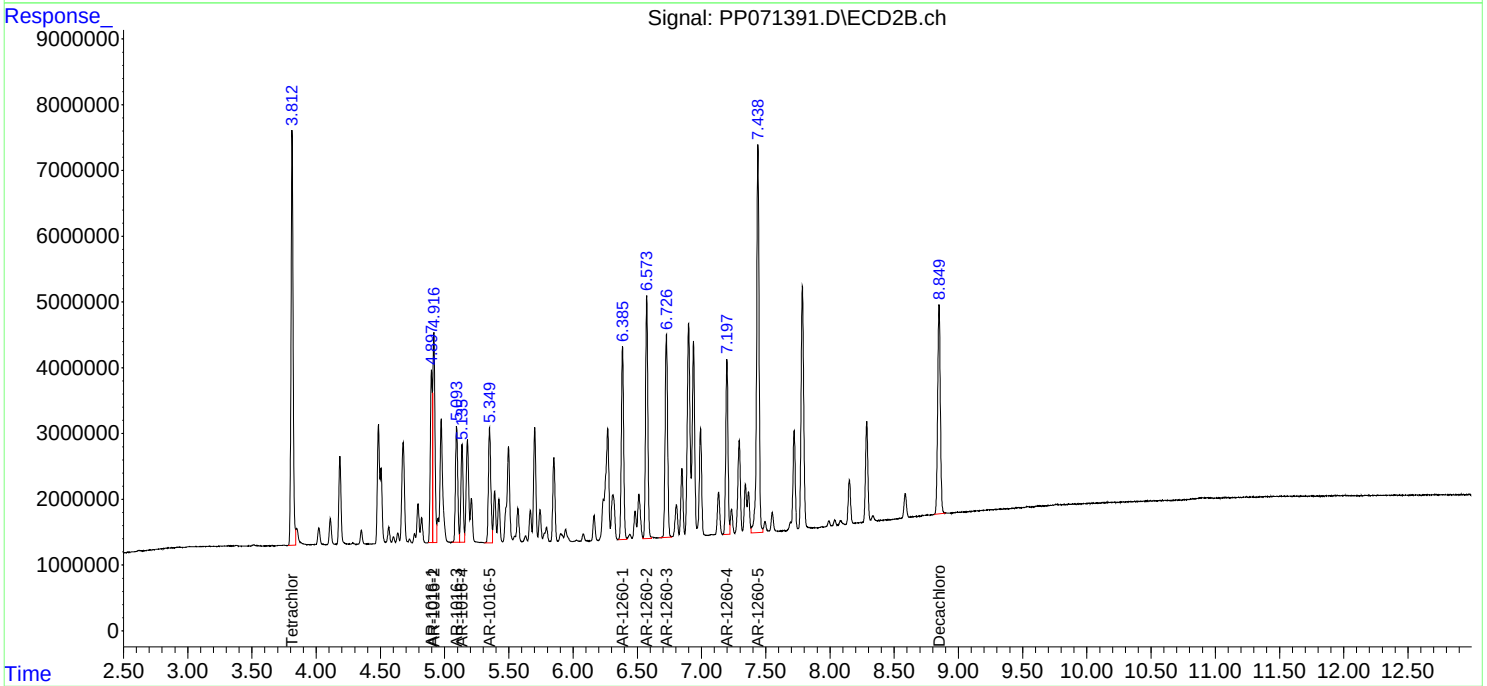
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071391.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:02
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 11:15:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\PP042225\
Data File : PP071392.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:18
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: Apr 22 11:30:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:29:52 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...	4.514	3.813	52508817	36208541	25.869	25.761
2) SA	Decachlor...	10.233	8.850	38498712	23374964	25.928	26.384
	Target Compounds						
3) L1	AR-1016-1	5.668	4.899	17782164	14045149	259.997	270.720
4) L1	AR-1016-2	5.689	4.917	27203473	19630231	260.616	263.876
5) L1	AR-1016-3	5.752	5.094	16462482	11270654	261.124	268.530
6) L1	AR-1016-4	5.849	5.136	13735357	9273773	259.716	270.294
7) L1	AR-1016-5	6.142	5.351	12722141	11586437	256.138	266.906
31) L7	AR-1260-1	7.261	6.386	24914936	19087592	259.387	273.244
32) L7	AR-1260-2	7.515	6.574	37471925	22873239	259.800	272.056
33) L7	AR-1260-3	7.873	6.727	31628881	19836001	269.748	260.958
34) L7	AR-1260-4	8.098	7.199	32815153	17020763	286.081	275.052
35) L7	AR-1260-5	8.417	7.441	63777045	39378070	273.242	264.138

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

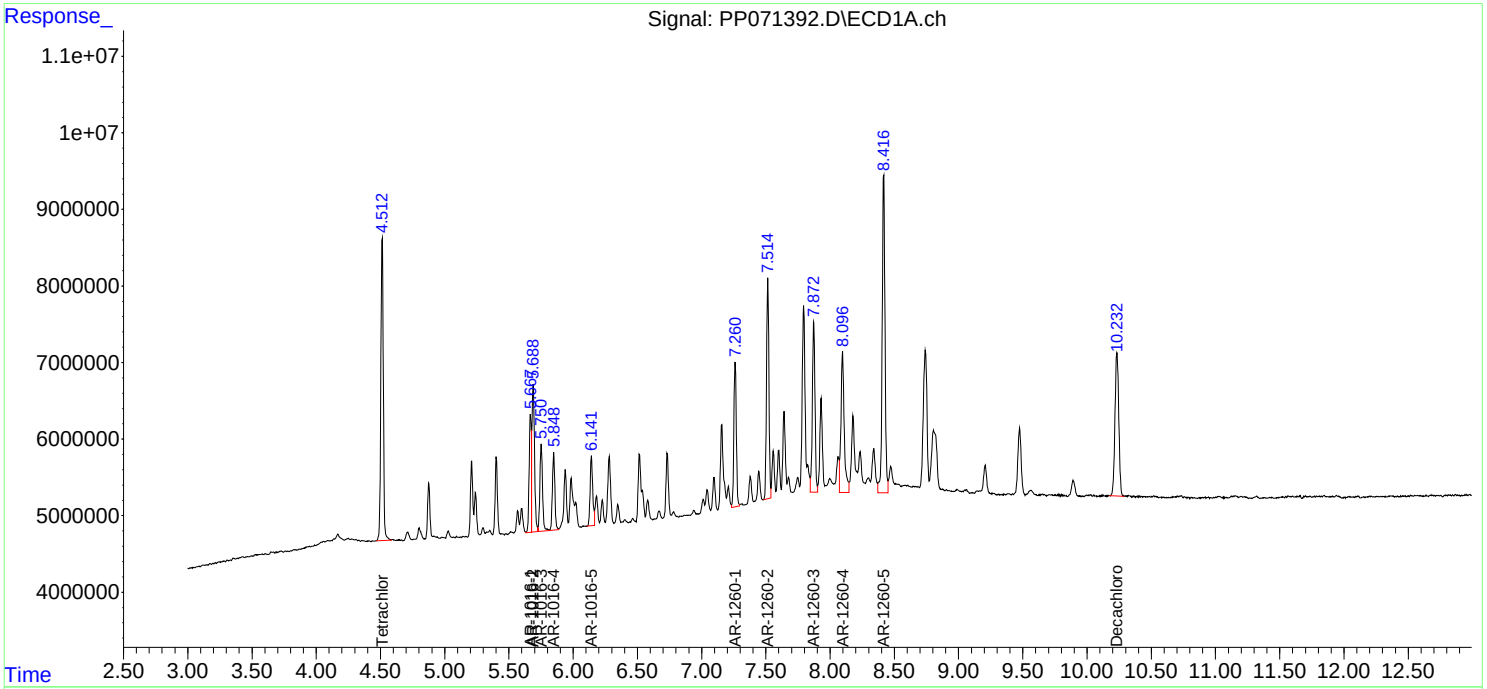
ICAL Form

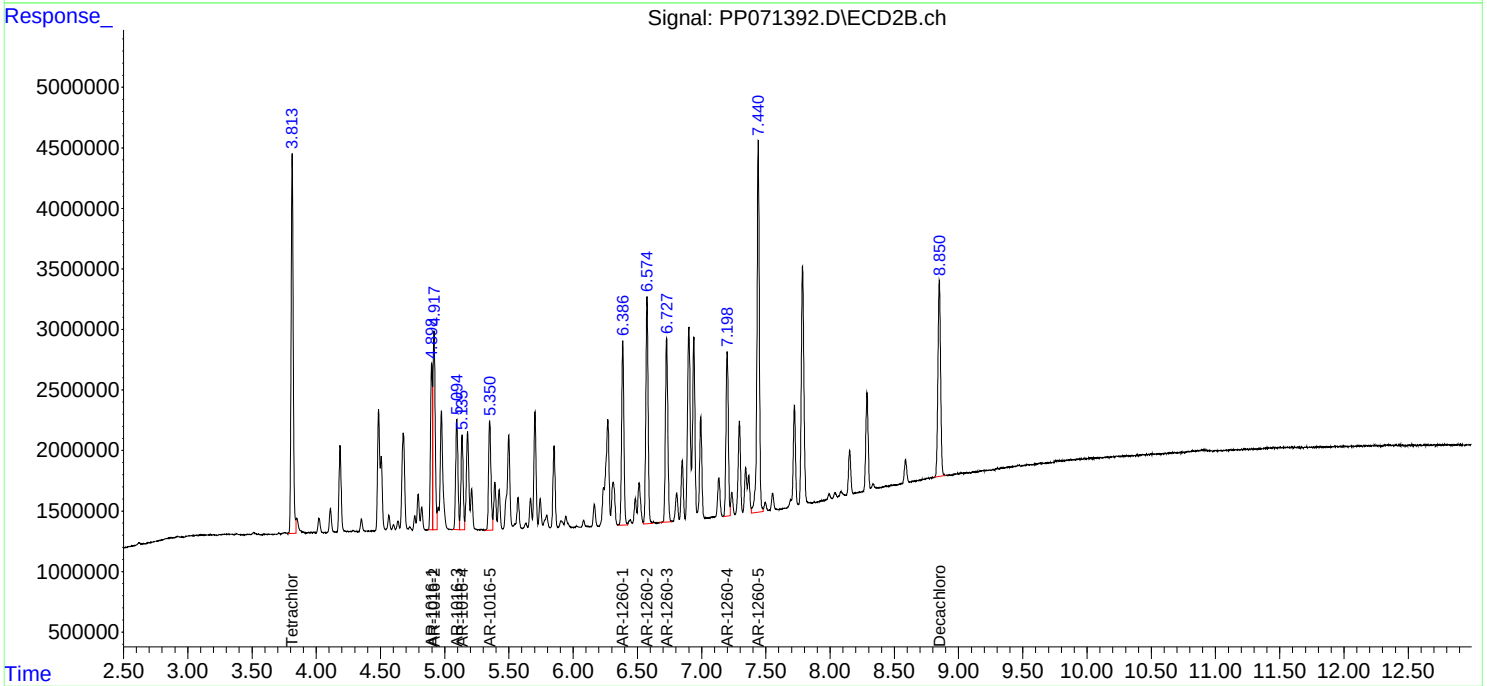
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071392.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:18
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 11:30:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:29:52 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\PP042225\
Data File : PP071393.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:34
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 11:47:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:46:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.515	3.812	8969831	7104871	4.524	5.044
2) SA	Decachlor...	10.235	8.850	6503503	4207302	4.491	4.797
	Target Compounds						
3) L1	AR-1016-1	5.669	4.898	3083717	3007251	45.991	56.175
4) L1	AR-1016-2	5.691	4.916	4780792	4212537	46.584	55.164
5) L1	AR-1016-3	5.753	5.094	2802822	2158254	45.466	51.131
6) L1	AR-1016-4	5.851	5.135	2247335	1759505	43.809	51.021
7) L1	AR-1016-5	6.144	5.349	2125784	2429782	44.068	54.667
31) L7	AR-1260-1	7.262	6.384	4795547	4103726	49.941	56.760
32) L7	AR-1260-2	7.516	6.573	6922549	5050265	48.383	57.743
33) L7	AR-1260-3	7.875	6.726	4575293	4394430	40.810m	56.060 #
34) L7	AR-1260-4	8.098	7.197	5275083	3401257	46.807m	53.894
35) L7	AR-1260-5	8.417	7.439	9961562	7878032	43.897m	52.249

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071393.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:34
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

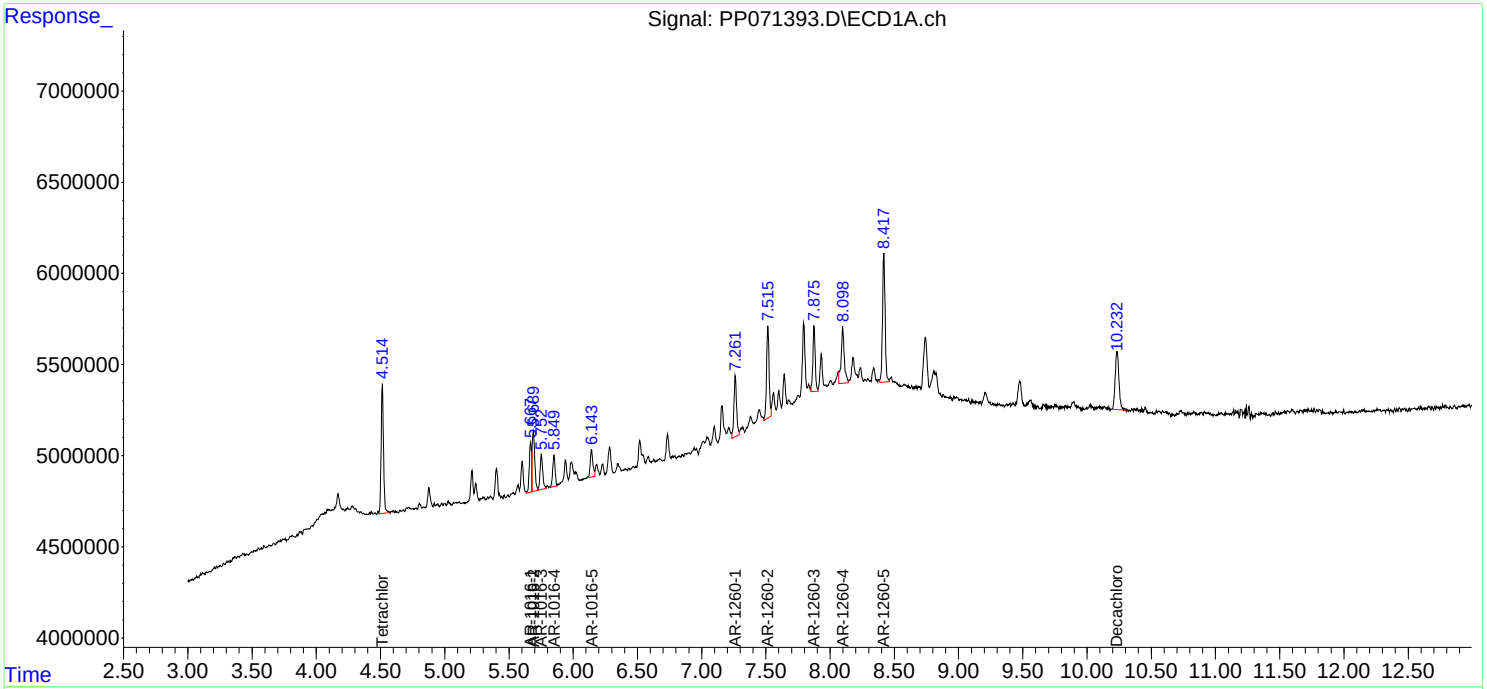
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

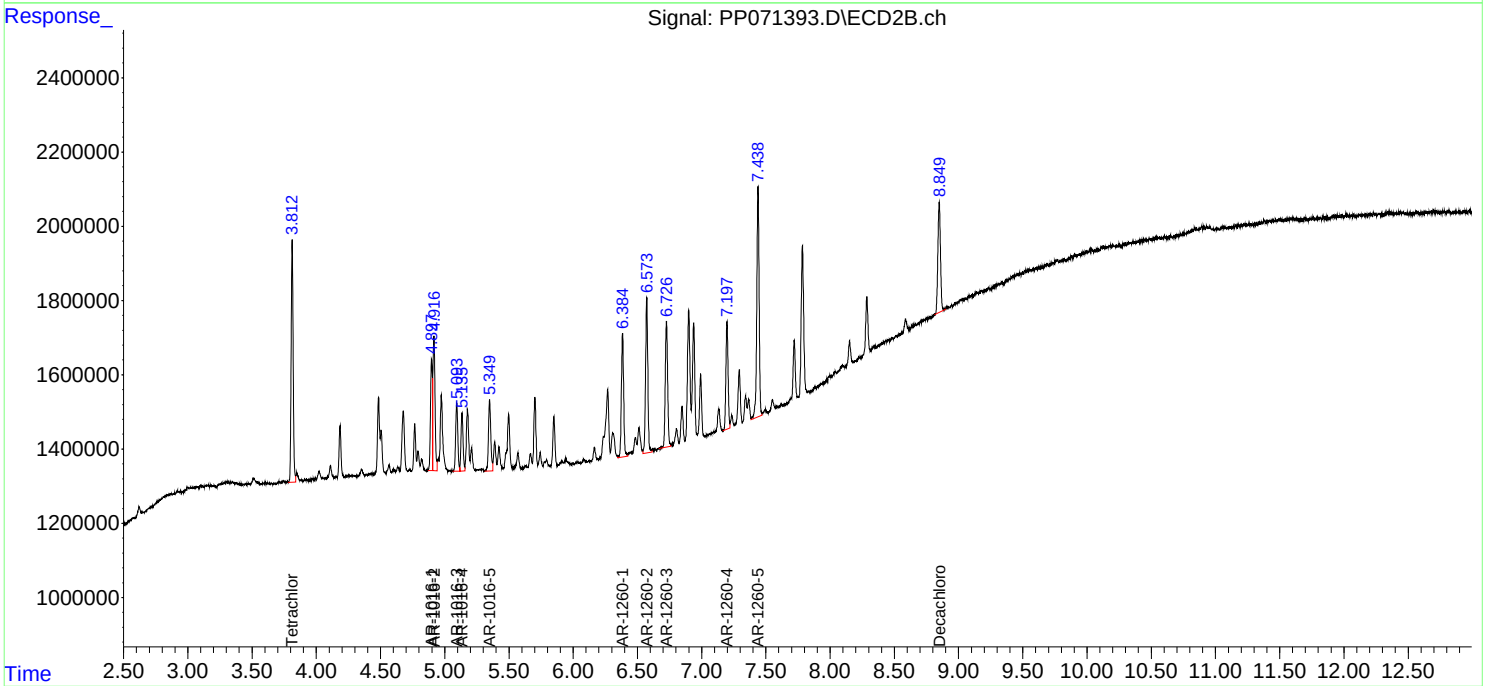
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 11:47:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:46:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\PP042225\
Data File : PP071394.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:51
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: Apr 22 12:26:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 12:26:37 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...	4.513	3.812	102.0E6	70886063	50.000	50.000
2)	SA Decachlor...	10.233	8.849	73129811	43684216	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.715	4.022	12058427	10997465	500.000	500.000
9)	L2 AR-1221-2	4.800	4.109	9008471	8280856	500.000	500.000
10)	L2 AR-1221-3	4.876	4.185	28305615	24238496	500.000	500.000

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

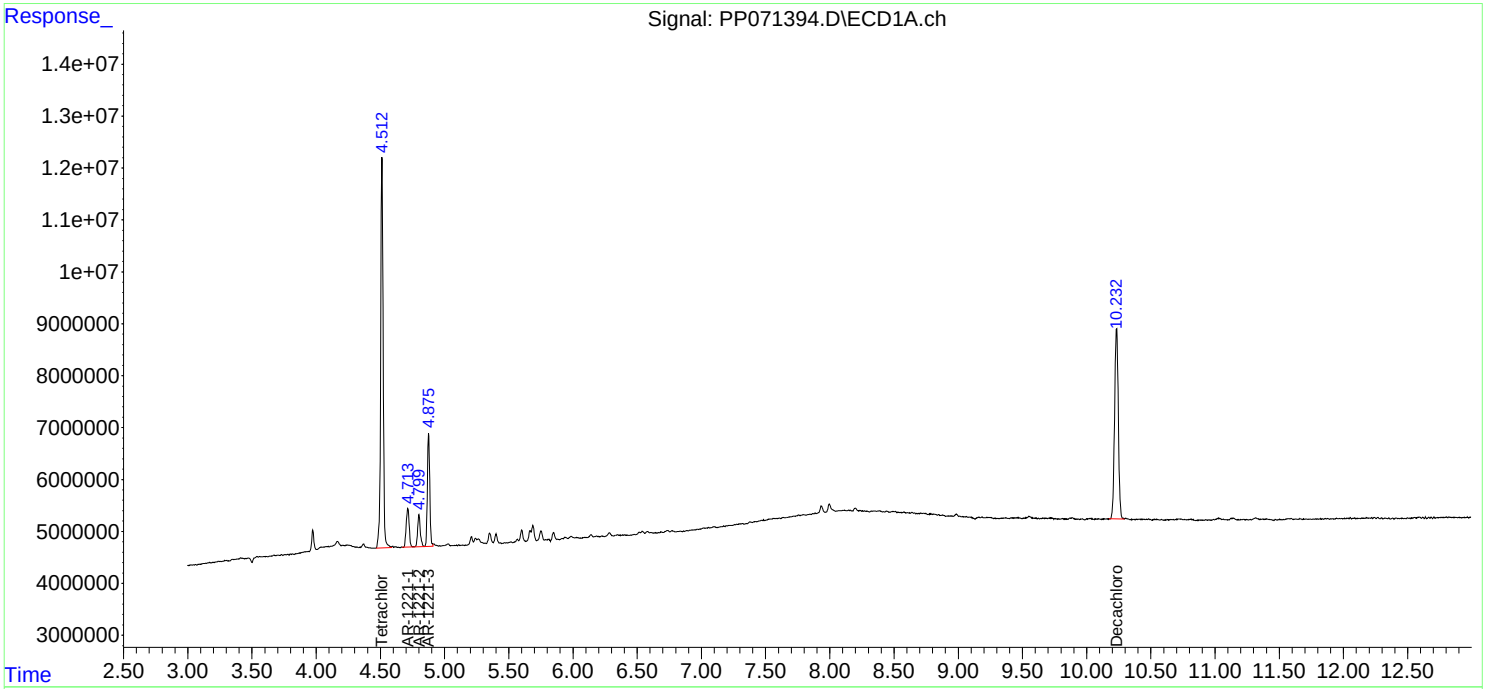
ICAL Form

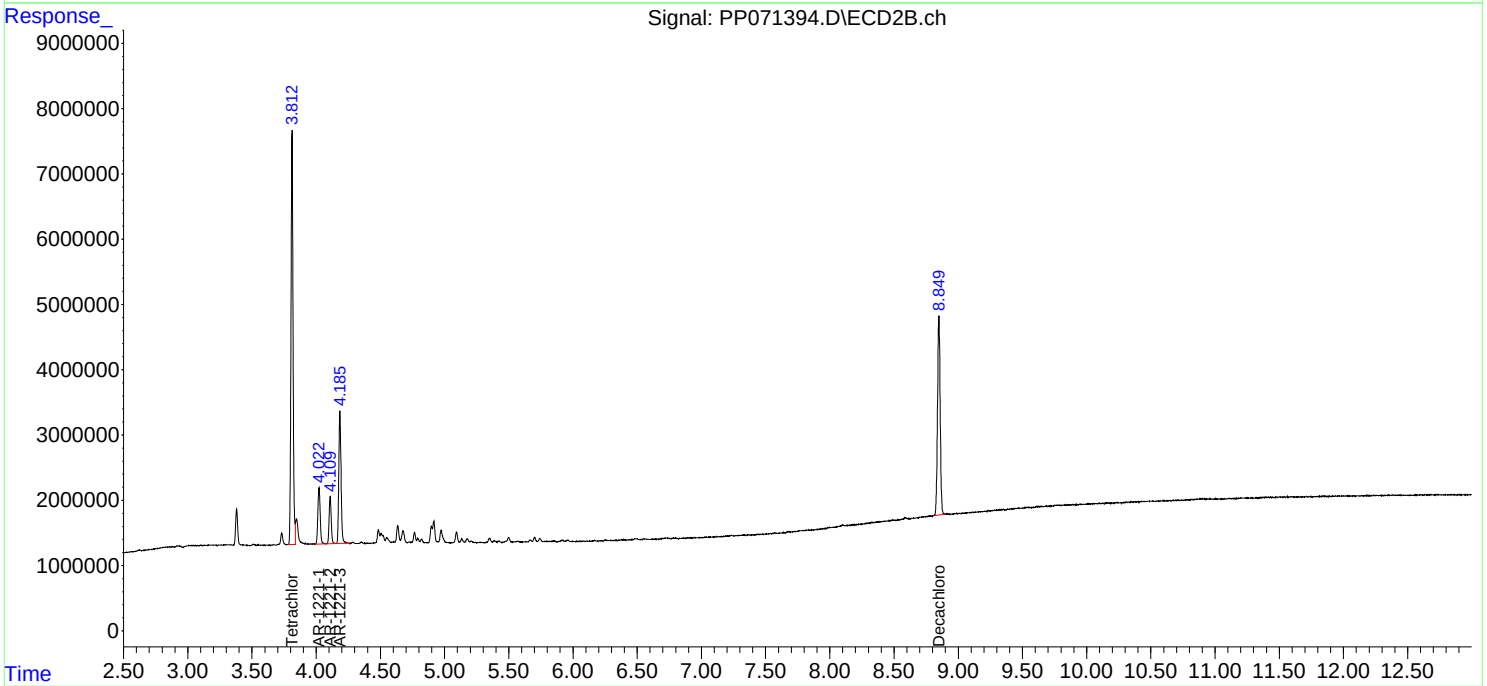
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071394.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:51
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 12:26:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 12:26:37 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\PP042225\
Data File : PP071395.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 12:07
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: Apr 22 12:29:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 12:26:37 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...	4.515	3.813	97587735	67524433	50.000	50.000
2)	SA Decachlor...	10.233	8.851	71248479	42941843	50.000	50.000
	Target Compounds						
11)	L3 AR-1232-1	4.878	4.186	22456038	19158895	500.000	500.000
12)	L3 AR-1232-2	5.403	4.917	11506547	19093695	500.000	500.000
13)	L3 AR-1232-3	5.690	5.094	23608778	10587643	500.000	500.000
14)	L3 AR-1232-4	5.850	5.178	11589674	9270206	500.000	500.000
15)	L3 AR-1232-5	5.940	5.351	8072861	9950926	500.000	500.000

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

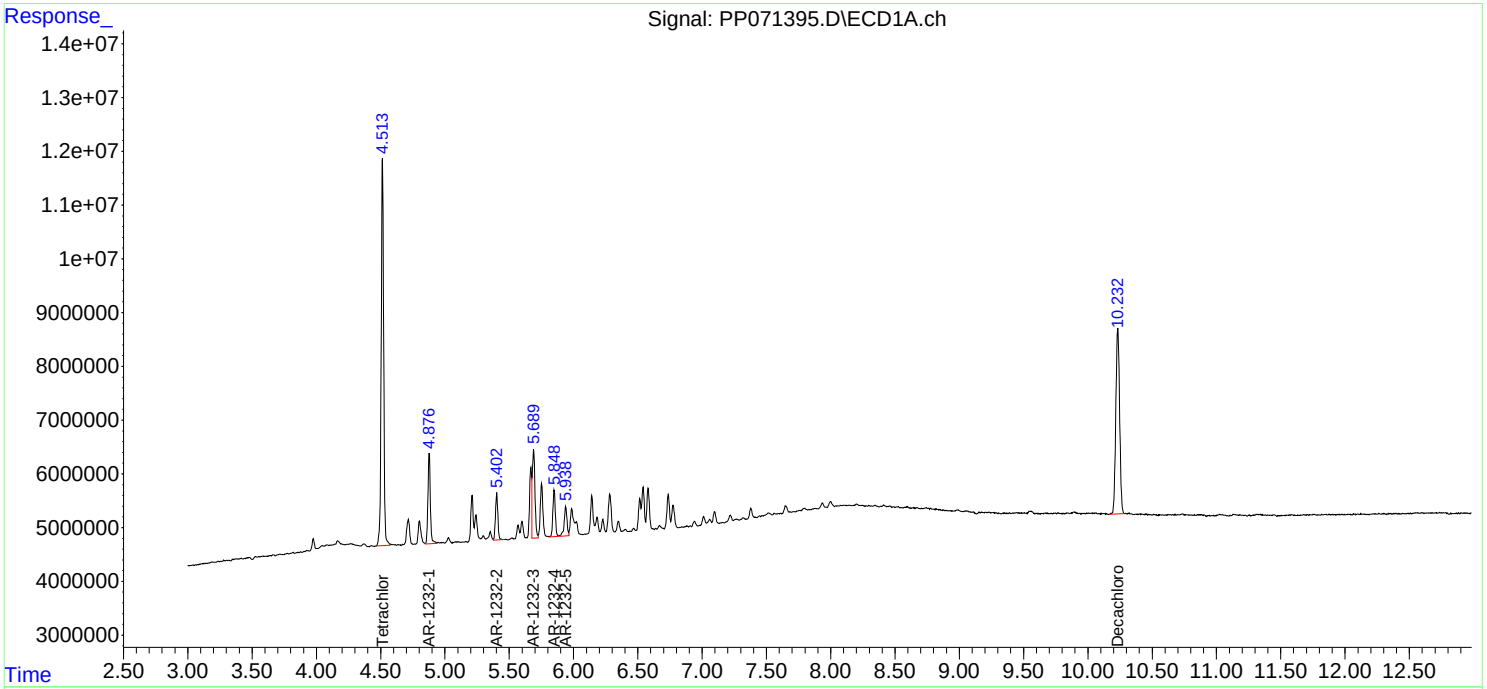
ICAL Form

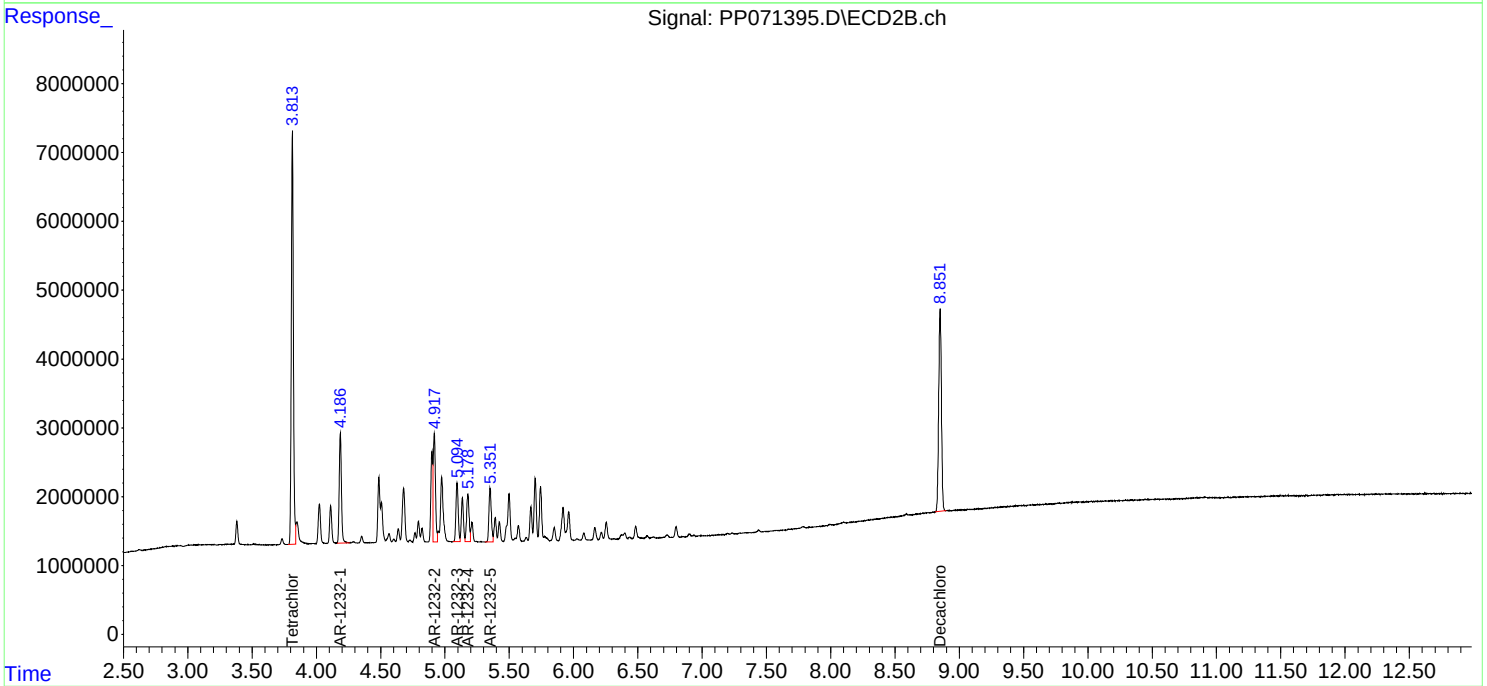
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071395.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 12:07
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 12:29:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 12:26:37 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\PP042225\
Data File : PP071396.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 12:23
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: Apr 22 13:20:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:13:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.513	3.812	186.9E6	129.5E6	96.183	92.543
2)	SA Decachlor...	10.233	8.849	136.9E6	81561508	95.790	95.248
	Target Compounds						
16)	L4 AR-1242-1	5.668	4.897	53870259	42717527	958.842	942.603
17)	L4 AR-1242-2	5.689	4.916	81881116	62346958	951.456	954.464
18)	L4 AR-1242-3	5.751	5.093	49423643	34614031	962.179	947.245
19)	L4 AR-1242-4	5.848	5.177	41638031	33518120	960.813	943.289
20)	L4 AR-1242-5	6.580	5.701	44955701	41214500	963.821	956.409

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

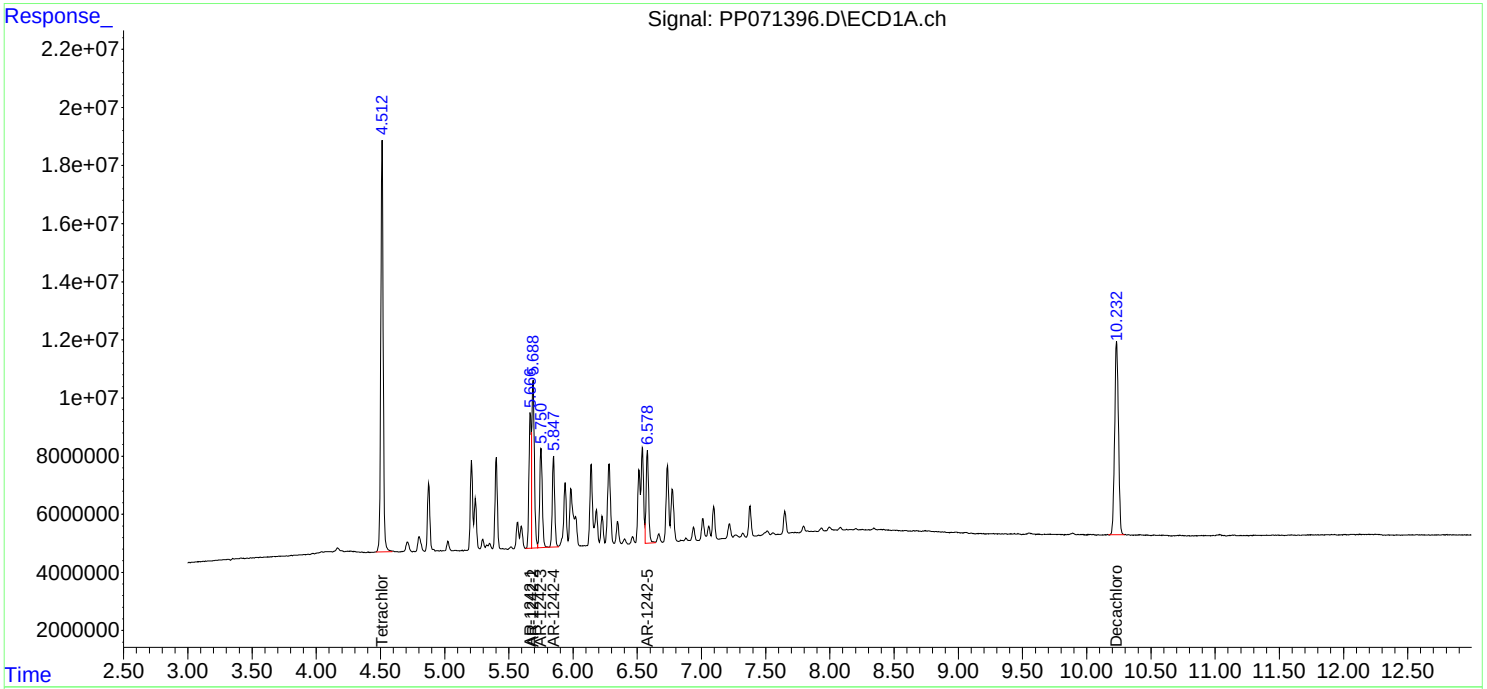
ICAL Form

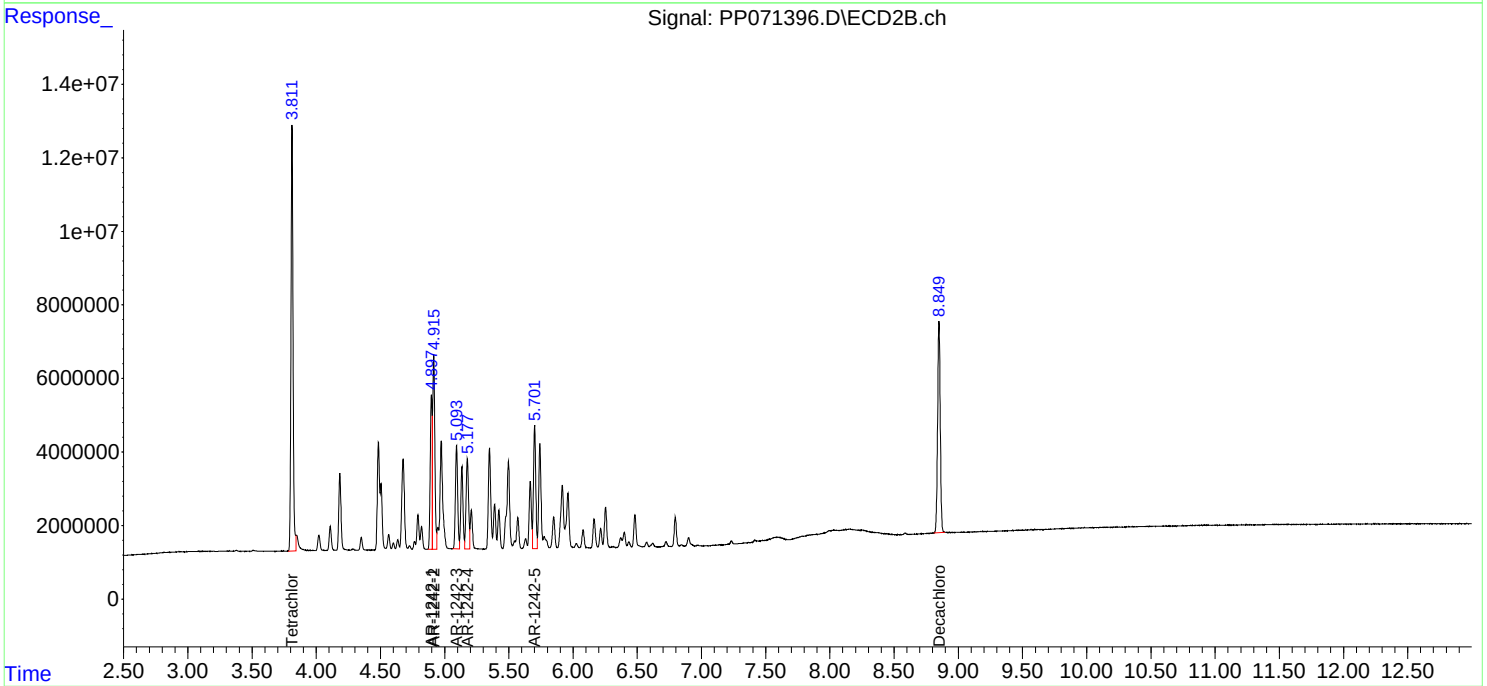
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071396.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 12:23
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 13:20:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:13:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071397.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 12:39
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: Apr 22 13:23:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:13:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.515	3.813	144.5E6	99405951	74.571	72.305
2)	SA Decachlor...	10.236	8.850	106.6E6	63879480	74.739	74.732
	Target Compounds						
16)	L4 AR-1242-1	5.669	4.899	41763307	33495158	745.553	742.700
17)	L4 AR-1242-2	5.691	4.917	64231120	48675819	747.572	746.776
18)	L4 AR-1242-3	5.753	5.094	38470772	26777904	749.299	738.446
19)	L4 AR-1242-4	5.850	5.179	32141516	25994749	744.431	737.606
20)	L4 AR-1242-5	6.581	5.703	34794164	32016406	747.305	745.293

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

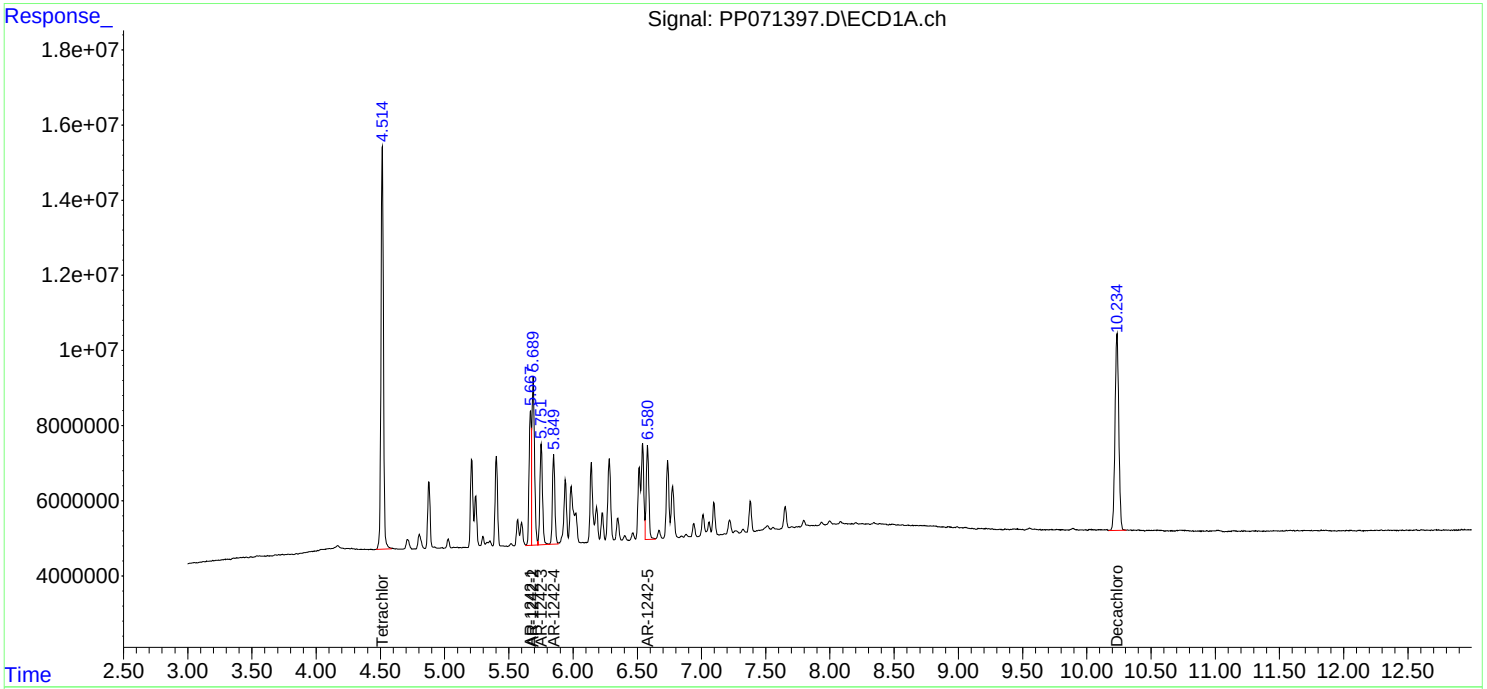
ICAL Form

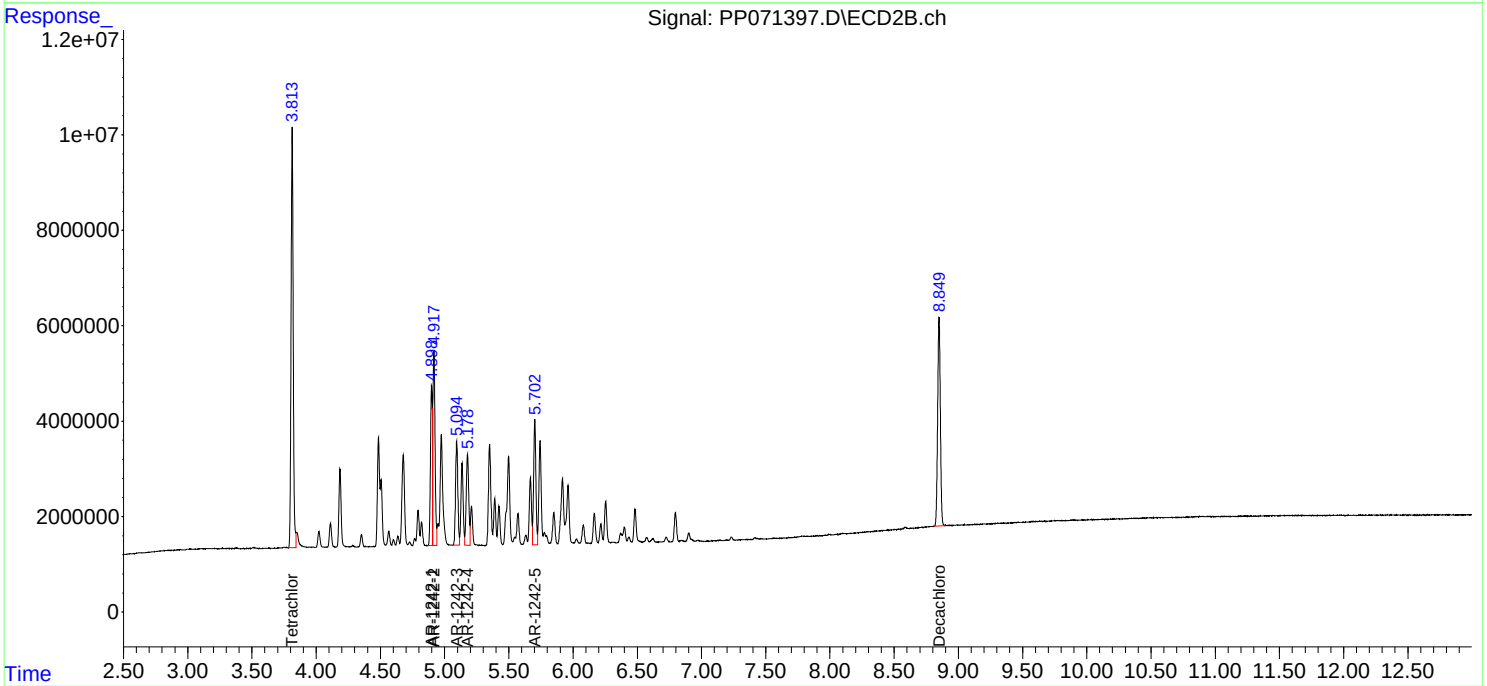
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071397.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 12:39
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 13:23:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:13:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071398.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 12:56
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: Apr 22 13:13:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:13:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.812	100.9E6	75193817	50.000	50.000
2)	SA Decachlor...	10.235	8.850	74441902	44850133	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	5.669	4.898	29247490	23959903	500.000	500.000
17)	L4 AR-1242-2	5.690	4.916	45118235	34147953	500.000	500.000
18)	L4 AR-1242-3	5.752	5.093	26654530	19234787	500.000	500.000
19)	L4 AR-1242-4	5.849	5.178	22517234	18774167	500.000	500.000
20)	L4 AR-1242-5	6.581	5.701	24165350	22485728	500.000	500.000

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

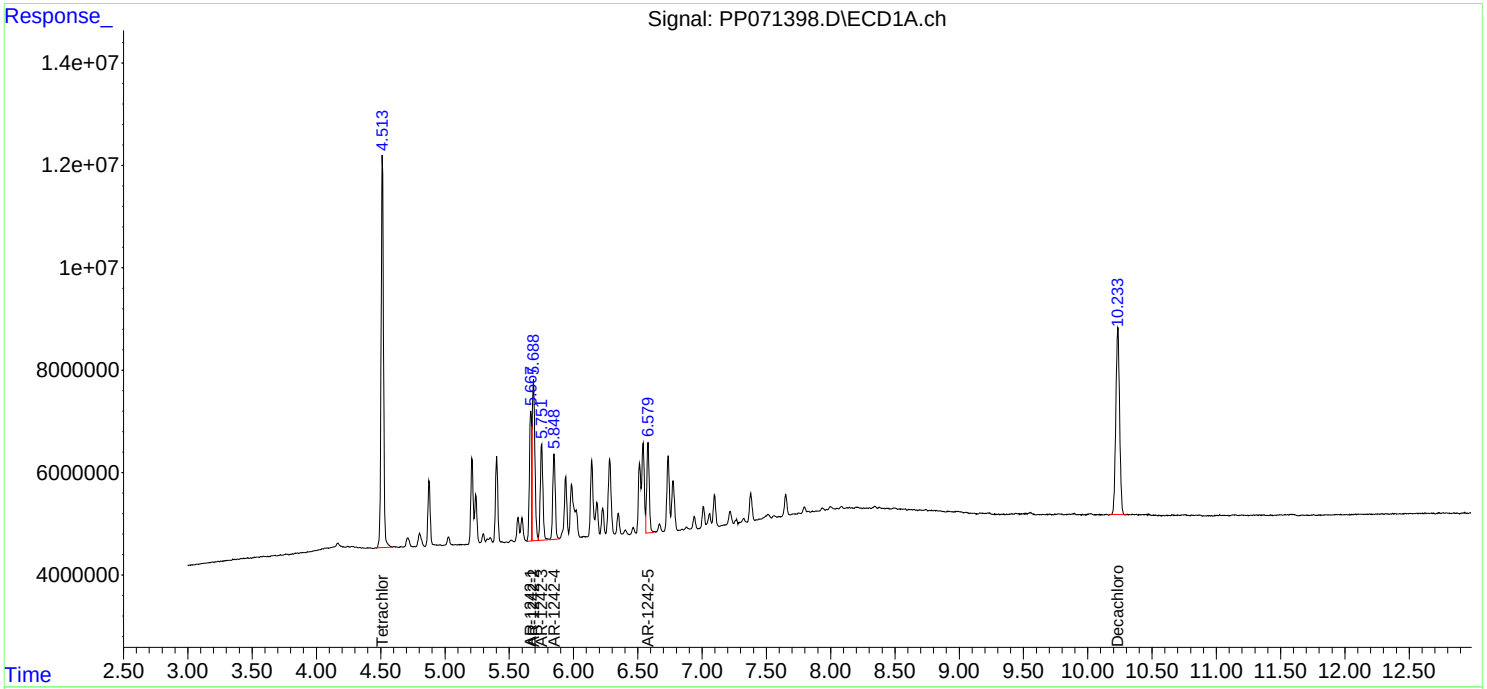
ICAL Form

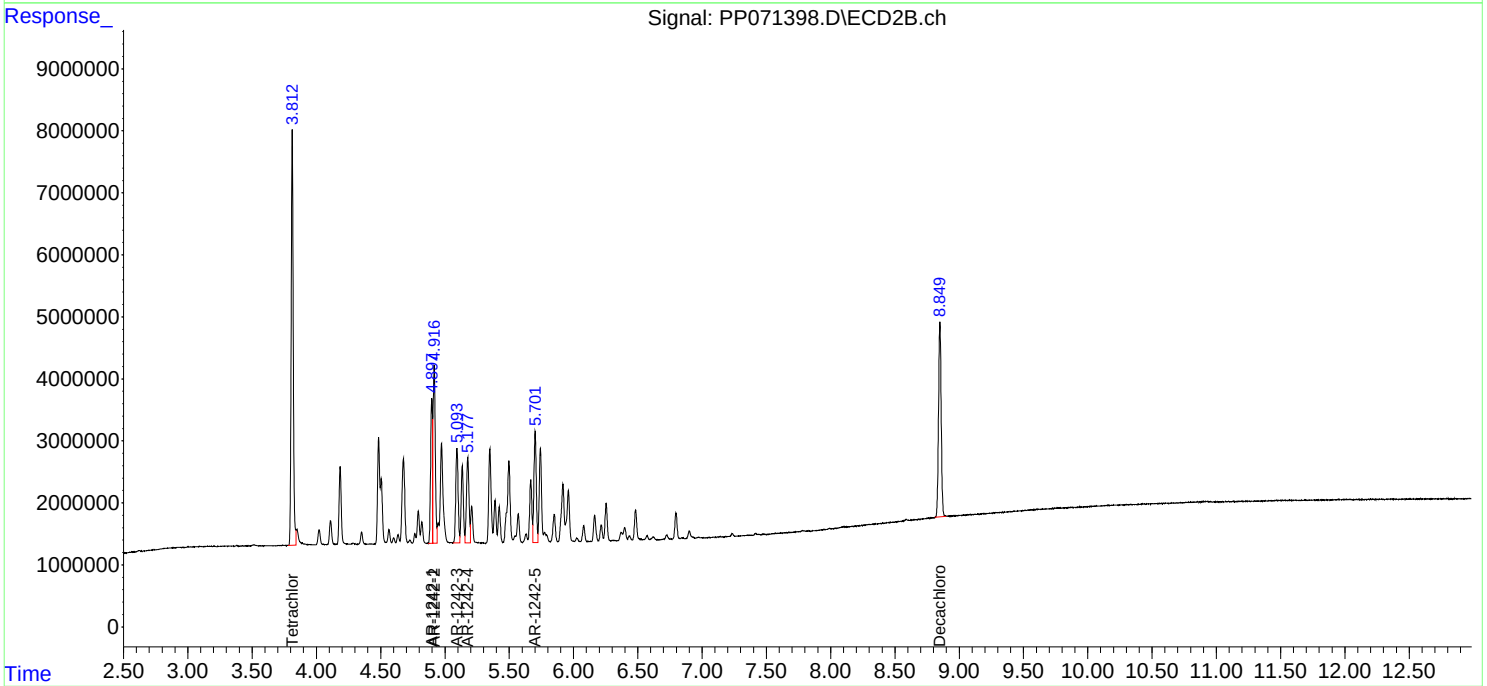
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071398.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 12:56
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 13:13:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:13:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071399.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 13:12
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: Apr 22 13:34:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:34:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.514	3.813	50759754	35812201	25.888	25.778
2)	SA Decachlor...	10.233	8.850	37582587	22937032	26.000	26.351
	Target Compounds						
16)	L4 AR-1242-1	5.668	4.899	14669196	12394168	258.800	268.164
17)	L4 AR-1242-2	5.689	4.917	22436050	17569793	258.254	264.383
18)	L4 AR-1242-3	5.751	5.094	13459217	10184944	259.001	272.457
19)	L4 AR-1242-4	5.849	5.178	11164111	9920754	256.375	272.906
20)	L4 AR-1242-5	6.580	5.702	11989115	11814664	255.584	268.312

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

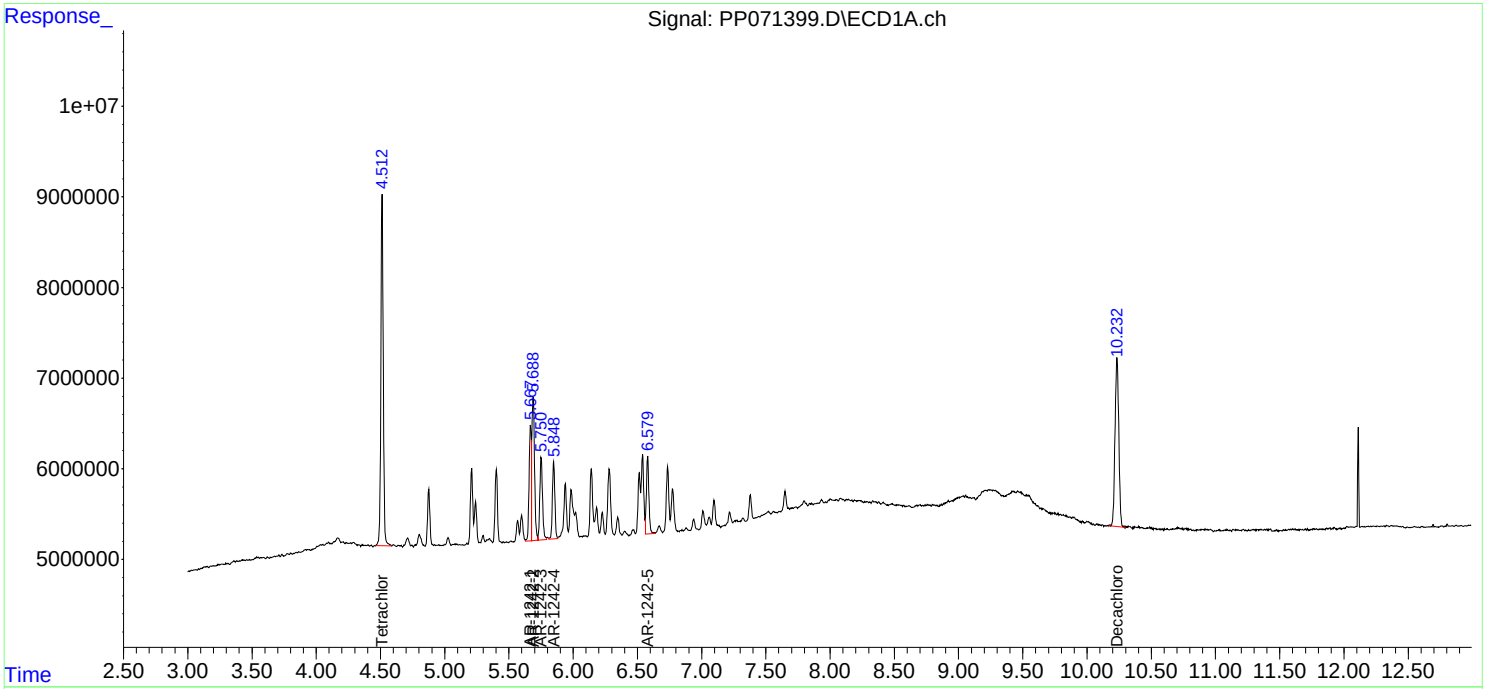
ICAL Form

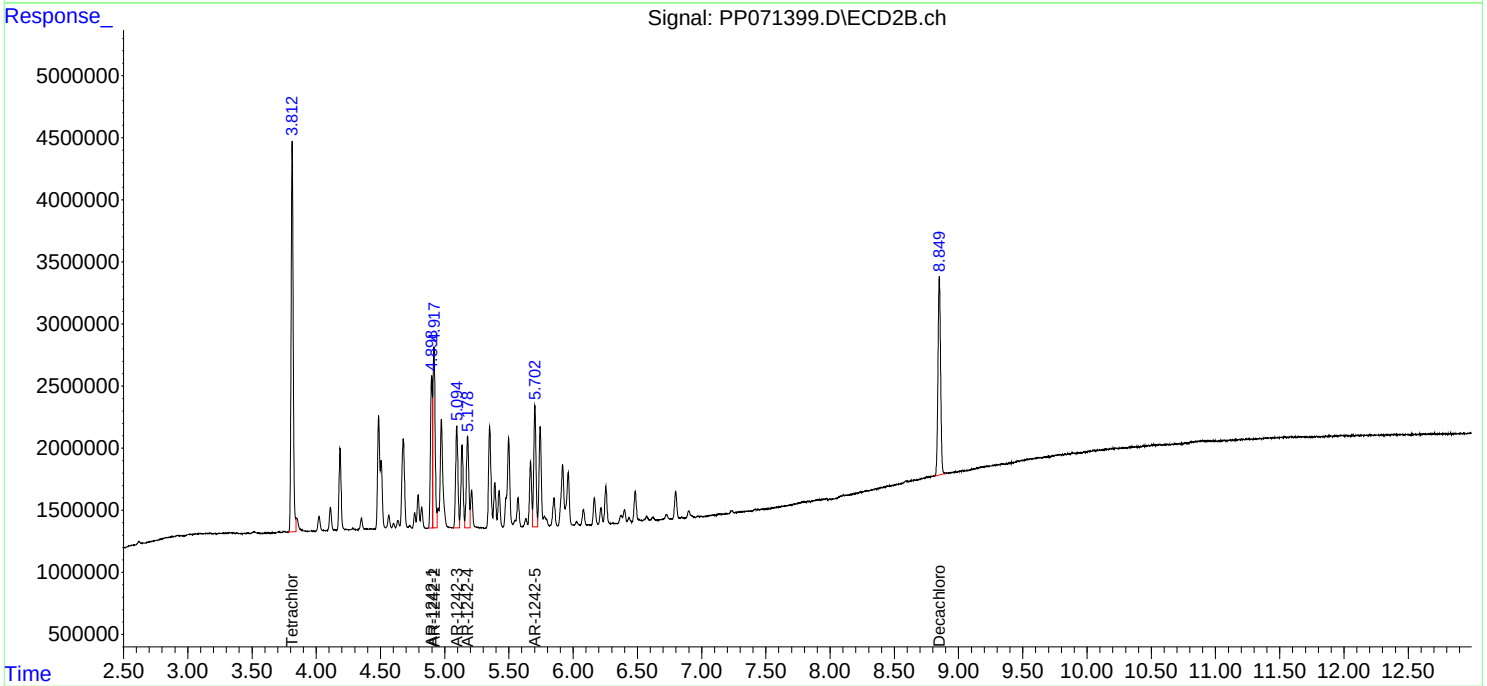
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071399.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 13:12
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 13:34:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:34:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\PP042225\
Data File : PP071400.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 13:28
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: Apr 22 13:44:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:44:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.515	3.812	8065732	6945226	4.265	4.999
2)	SA Decachlor...	10.237	8.850	5895463	3833854	4.235	4.512
	Target Compounds						
16)	L4 AR-1242-1	5.670	4.899	2356519	2317190	43.025	50.108
17)	L4 AR-1242-2	5.691	4.917	3869967	3214527	45.539	48.688
18)	L4 AR-1242-3	5.754	5.094	2387637	1635706	46.703	44.877
19)	L4 AR-1242-4	5.851	5.179	1842925	1657188	43.662	46.406
20)	L4 AR-1242-5	6.582	5.702	2190873	2070356	47.329	47.586

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

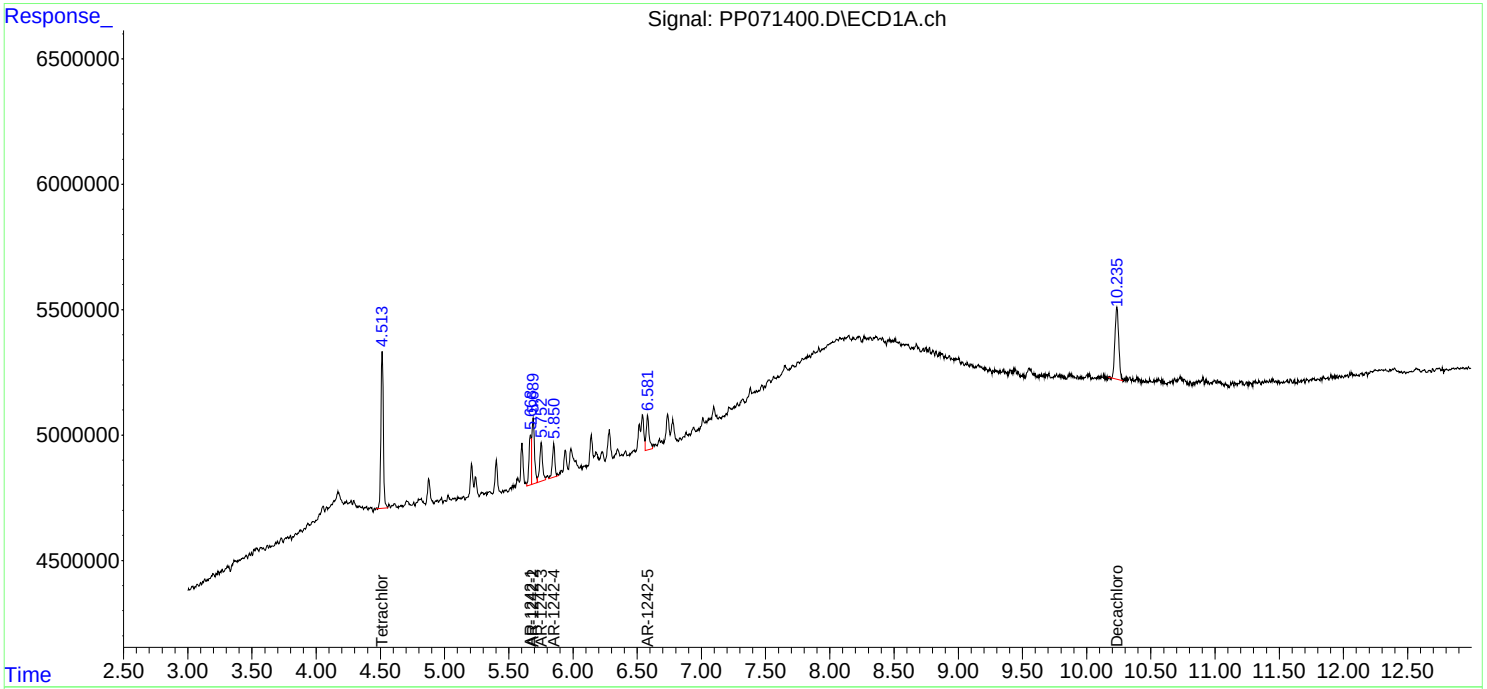
ICAL Form

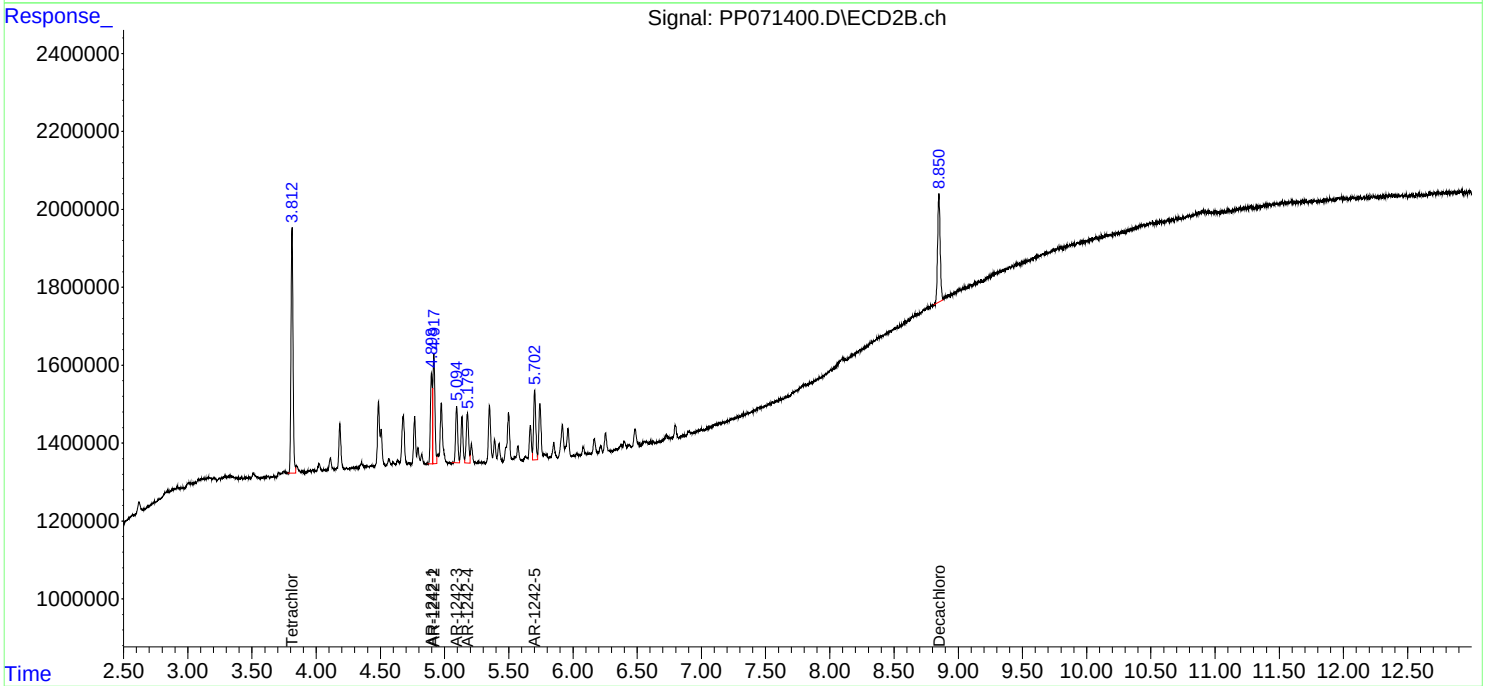
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071400.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 13:28
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 13:44:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:44:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071401.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 13:45
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: Apr 22 14:30:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 14:27:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.515	3.813	187.9E6	132.5E6	97.145	92.221
2)	SA Decachlor...	10.237	8.850	137.9E6	82637510	96.283	95.713
	Target Compounds						
21)	L5 AR-1248-1	5.669	4.898	42447397	30996932	976.497	917.952
22)	L5 AR-1248-2	5.941	5.136	57932834	43624561	965.902	945.881
23)	L5 AR-1248-3	6.144	5.178	65030901	45791659	967.700	948.403
24)	L5 AR-1248-4	6.543	5.350	80777360	53871444	963.427	957.270
25)	L5 AR-1248-5	6.582	5.743	76029464	52150607	969.727	950.272

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

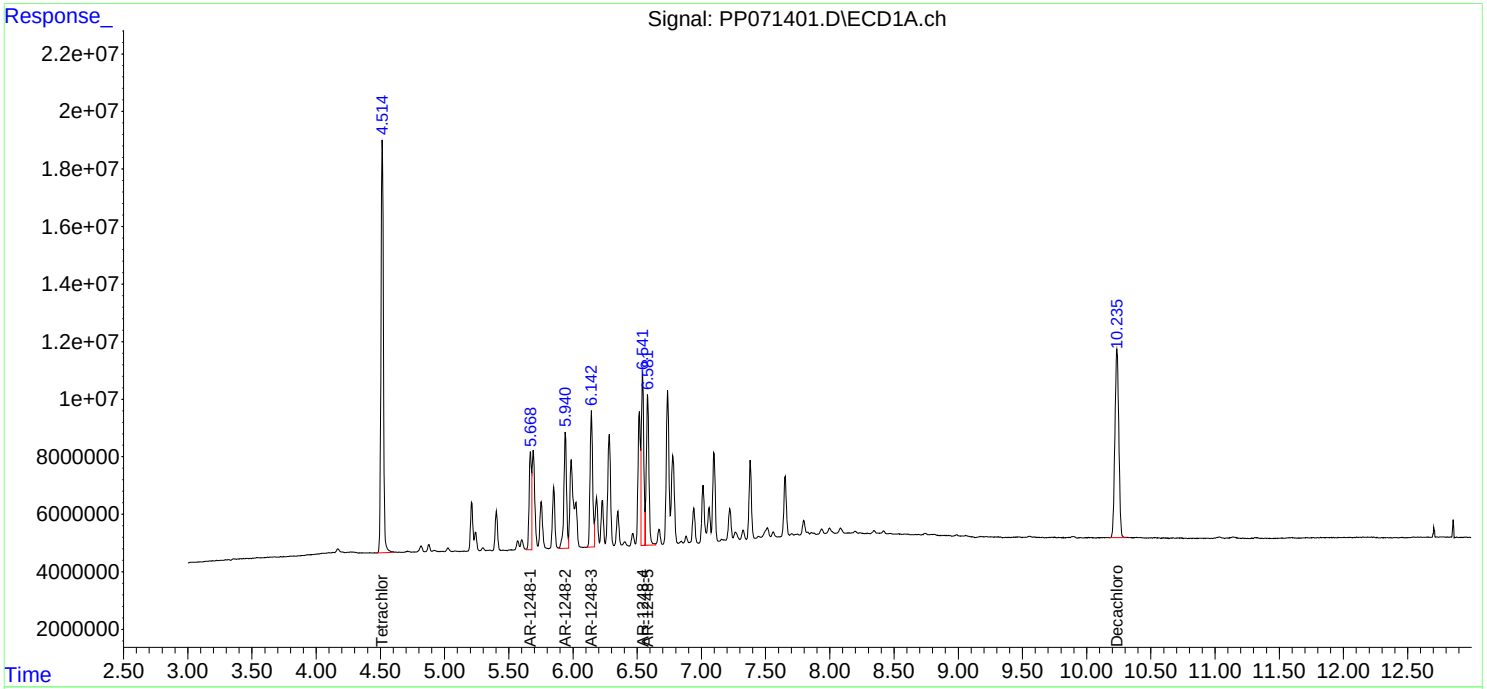
ICAL Form

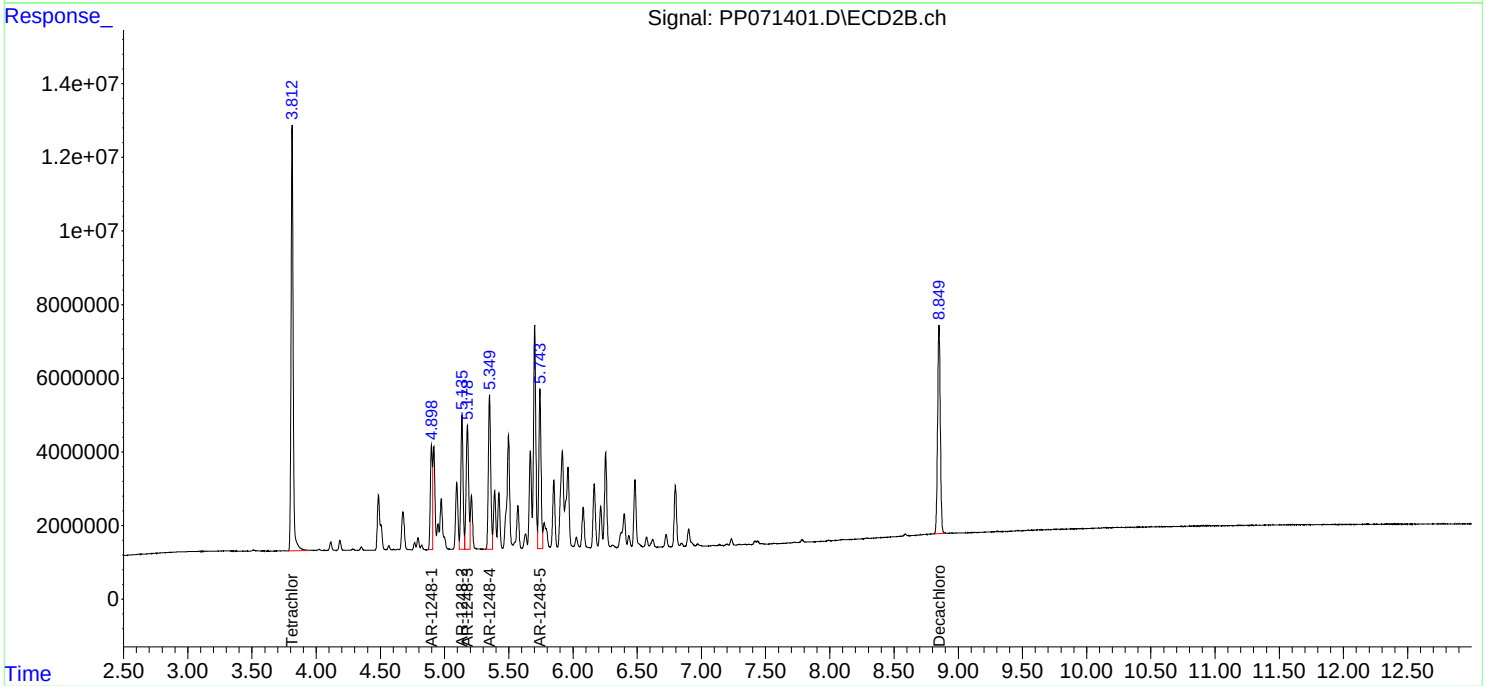
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071401.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 13:45
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 14:30:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 14:27:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\PP042225\
Data File : PP071402.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 14:01
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: Apr 22 14:33:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 14:27:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.516	3.813	144.4E6	113.6E6	74.770	77.657
2) SA	Decachlor...	10.238	8.850	108.0E6	64556701	75.275	74.847
	Target Compounds						
21) L5	AR-1248-1	5.670	4.898	32527847	26959361	748.865	781.576
22) L5	AR-1248-2	5.941	5.135	45161422	35482042	751.976	762.779
23) L5	AR-1248-3	6.144	5.177	51040114	37424945	756.312	766.560
24) L5	AR-1248-4	6.543	5.350	63330814	43921936	753.553	770.043
25) L5	AR-1248-5	6.583	5.743	58877047	42217581	750.636	762.741

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

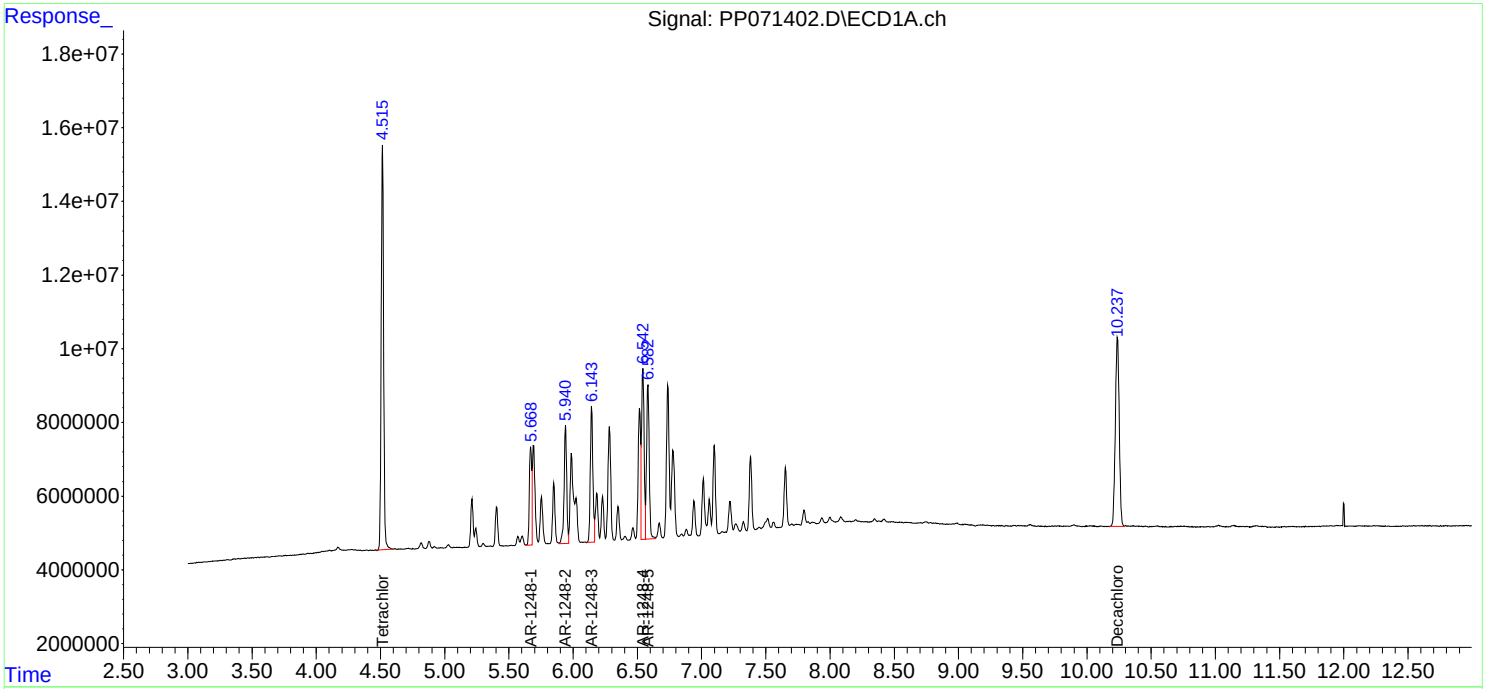
ICAL Form

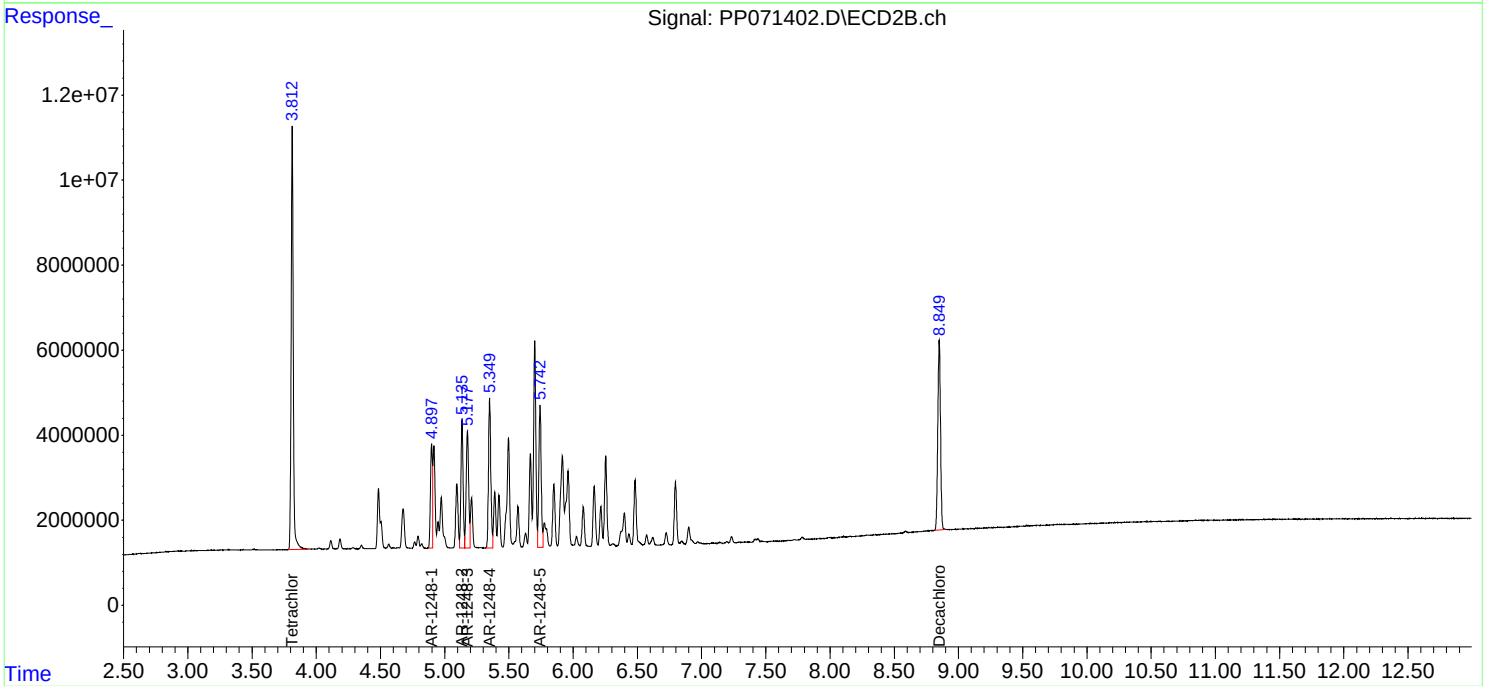
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071402.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 14:01
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 14:33:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 14:27:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\PP042225\
Data File : PP071403.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 14:17
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: Apr 22 14:28:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 14:27:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.514	3.813	99482021	77410182	50.000	50.000
2)	SA Decachlor...	10.237	8.850	74280984	45020002	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	5.668	4.898	22245336	18269007	500.000	500.000
22)	L5 AR-1248-2	5.940	5.136	31011521	24308259	500.000	500.000
23)	L5 AR-1248-3	6.142	5.178	34686045	25387087	500.000	500.000
24)	L5 AR-1248-4	6.542	5.350	43455122	29340392	500.000	500.000
25)	L5 AR-1248-5	6.581	5.743	40388237	28804357	500.000	500.000

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

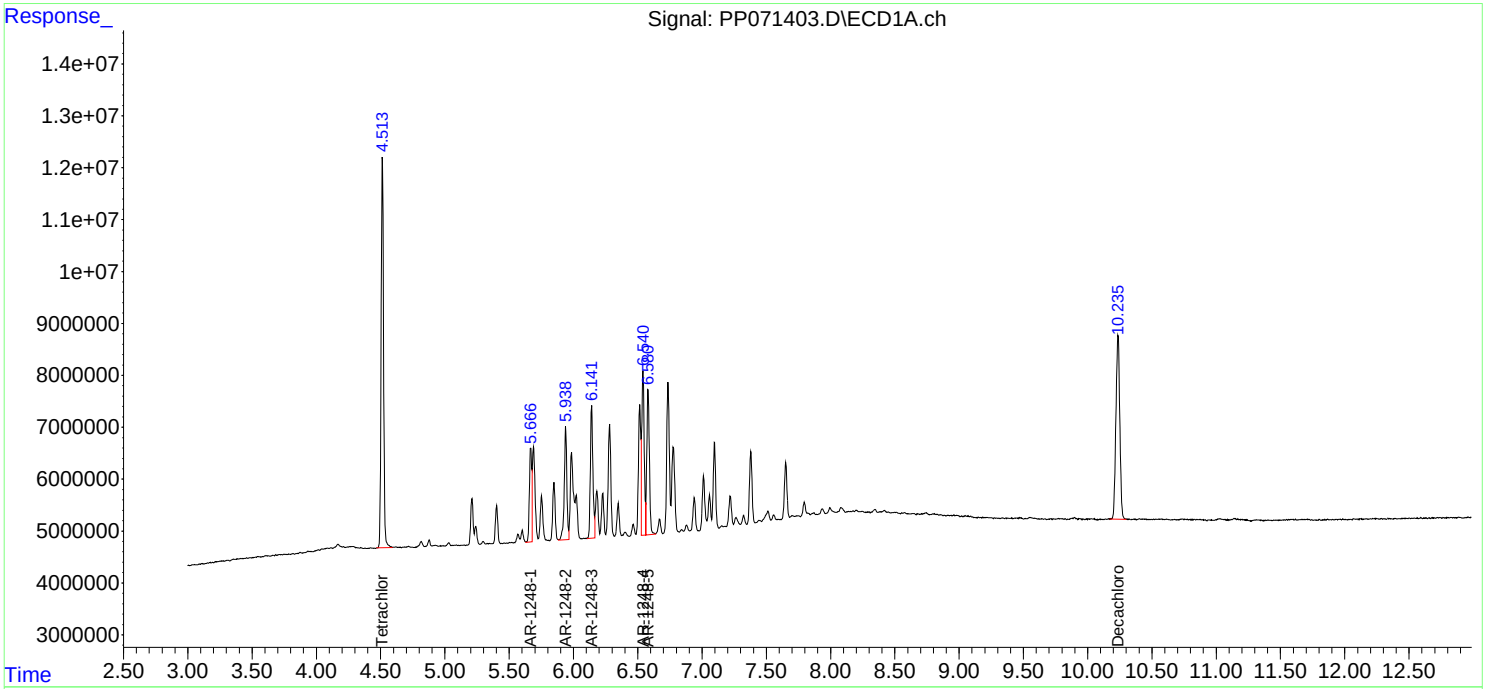
ICAL Form

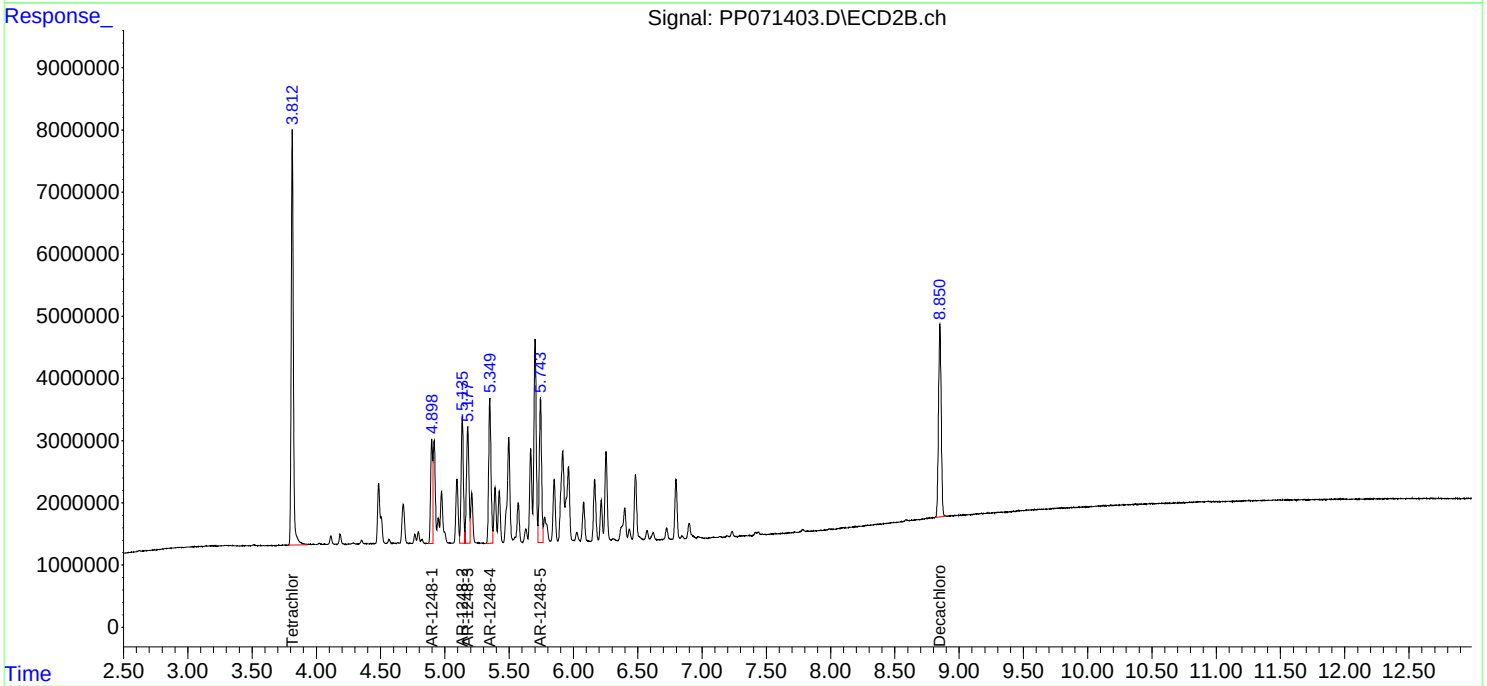
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071403.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 14:17
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 14:28:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 14:27:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\PP042225\
Data File : PP071404.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 14:33
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 14:46:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 14:46:22 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...	4.514	3.812	50940076	35871474	26.017	24.646
2)	SA Decachlor...	10.236	8.850	38029945	23509396	26.110	26.655
	Target Compounds						
21)	L5 AR-1248-1	5.668	4.898	11434087	9814021	259.799	275.024
22)	L5 AR-1248-2	5.940	5.135	15821478	13376378	259.947	277.150
23)	L5 AR-1248-3	6.143	5.178	17579514	14000544	257.788	276.598
24)	L5 AR-1248-4	6.542	5.350	22285729	16222320	261.208	274.950
25)	L5 AR-1248-5	6.581	5.743	20888056	16317809	262.033	282.168

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

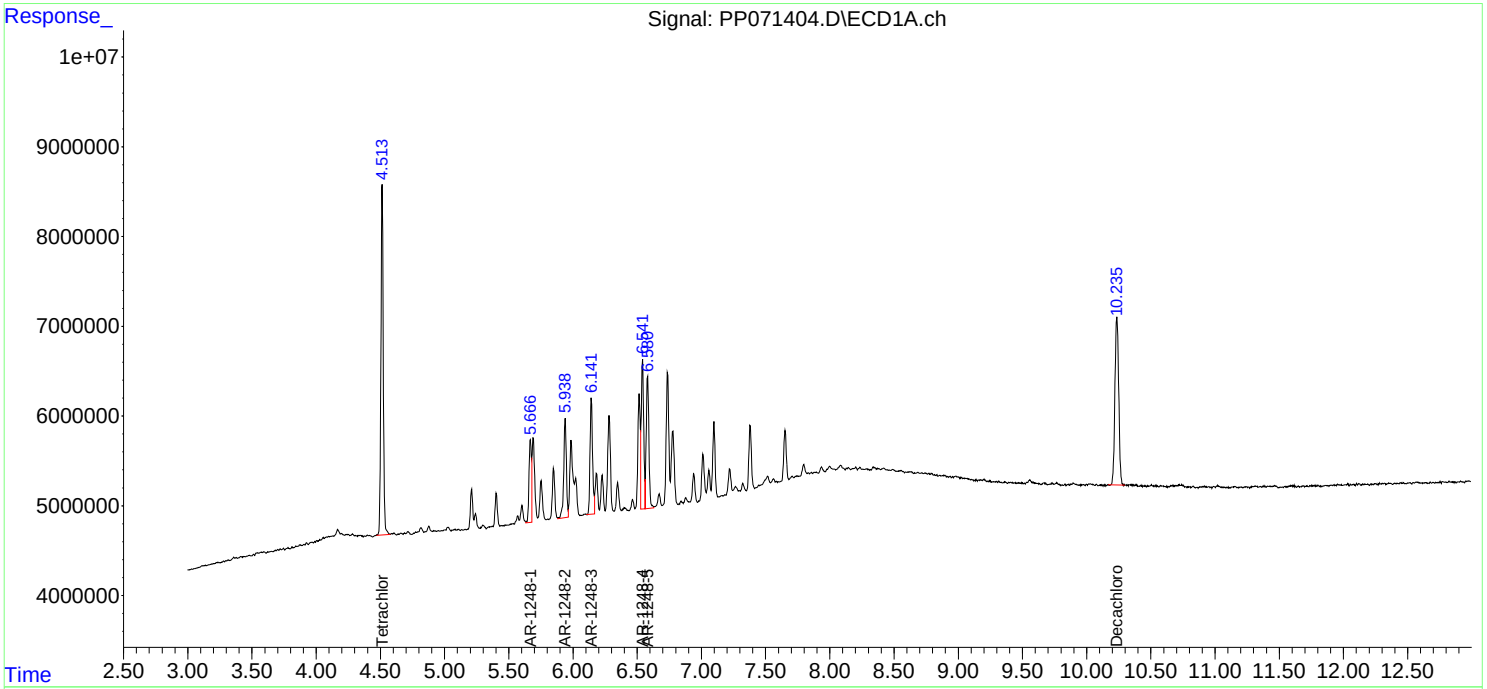
ICAL Form

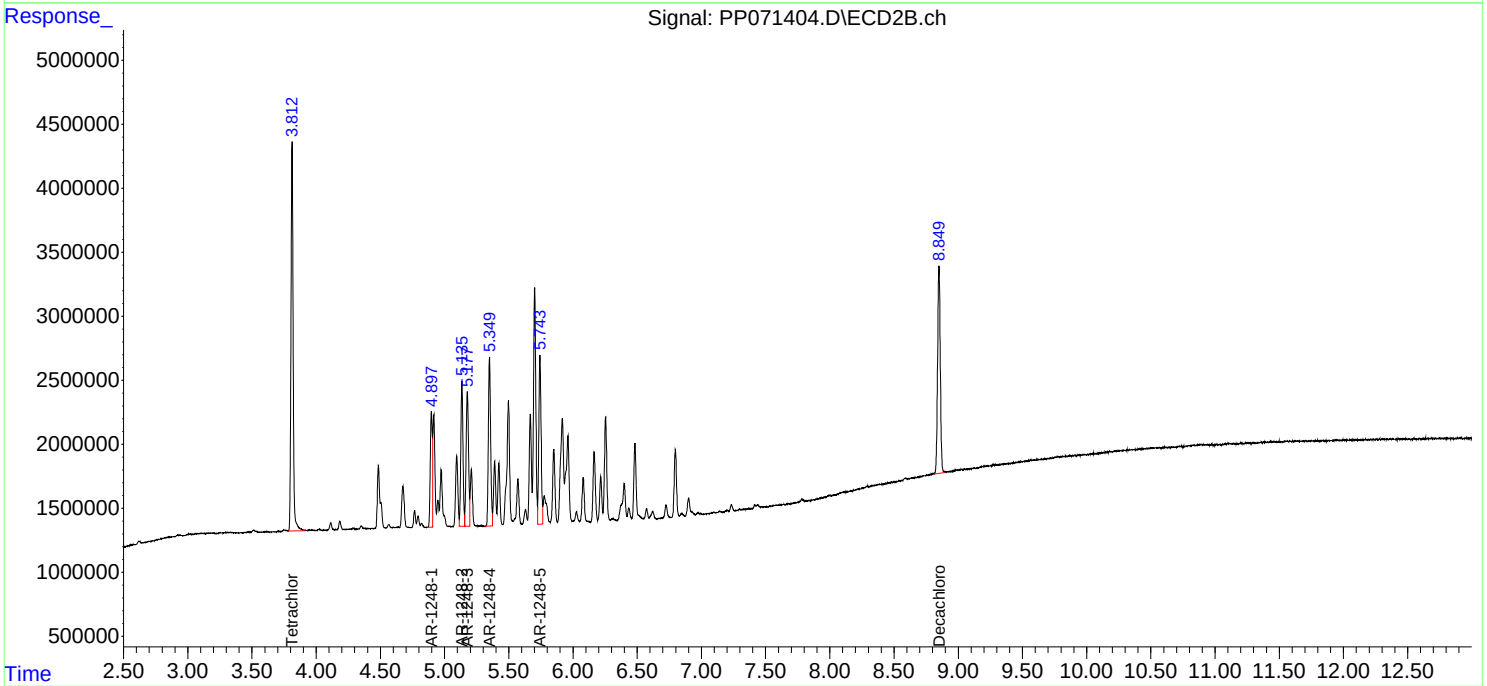
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071404.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 14:33
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 14:46:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 14:46:22 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\PP042225\
Data File : PP071405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 14:50
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: Apr 22 15:04:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 15:04:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.513	3.813	9059747	7084653	4.697	4.893
2)	SA Decachlor...	10.236	8.850	6791716	4608858	4.727	5.179
	Target Compounds						
21)	L5 AR-1248-1	5.667	4.899	1932478	1889804	45.005	52.340
22)	L5 AR-1248-2	5.939	5.136	2935274	2587801	48.571	52.853
23)	L5 AR-1248-3	6.142	5.178	3057380	2647979	45.780	51.834
24)	L5 AR-1248-4	6.541	5.350	4089143	3364119	48.329	55.461
25)	L5 AR-1248-5	6.581	5.744	3919031	3006686	49.328	51.581

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

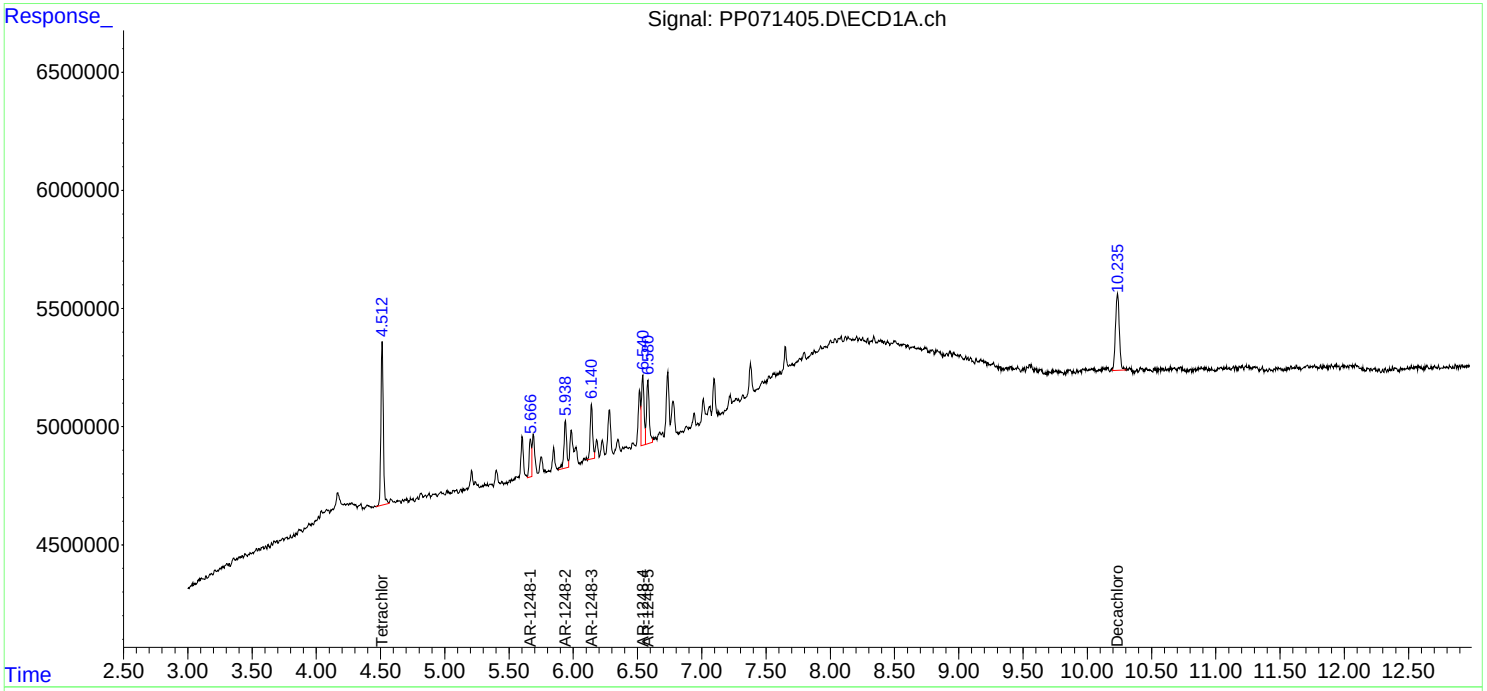
ICAL Form

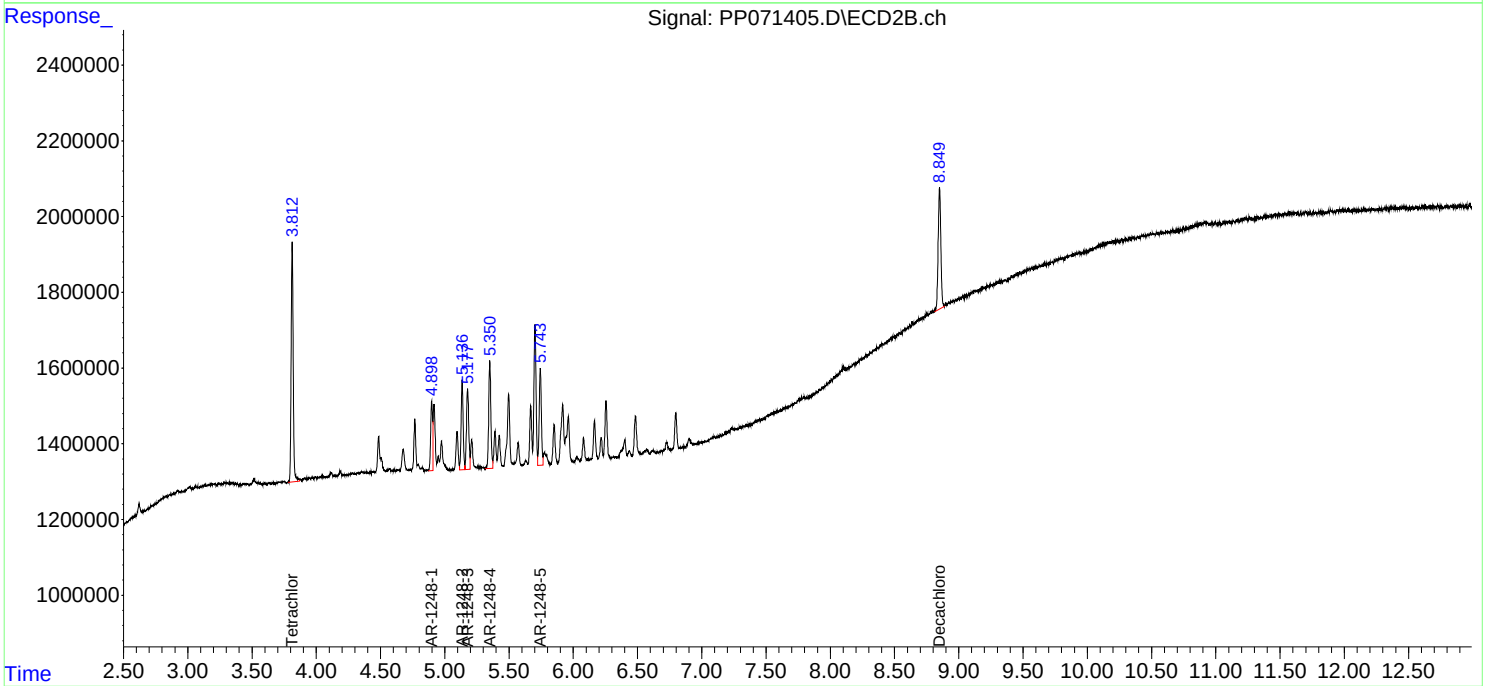
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 14:50
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 15:04:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 15:04:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071406.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 15:06
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: Apr 22 15:51:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 15:48:40 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...	4.515	3.812	188.8E6	139.1E6	96.818	97.876
2)	SA Decachlor...	10.236	8.850	141.0E6	84630750	96.040	96.040
	Target Compounds						
26)	L6 AR-1254-1	6.519	5.702	78574372	81690839	957.338	952.962
27)	L6 AR-1254-2	6.735	5.851	121.6E6	70045476	958.538	950.650
28)	L6 AR-1254-3	7.099	6.254	123.4E6	109.7E6	962.759	954.874
29)	L6 AR-1254-4	7.381	6.483	112.5E6	70169900	960.617	948.370
30)	L6 AR-1254-5	7.798	6.901	106.4E6	92229111	966.455	936.717

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

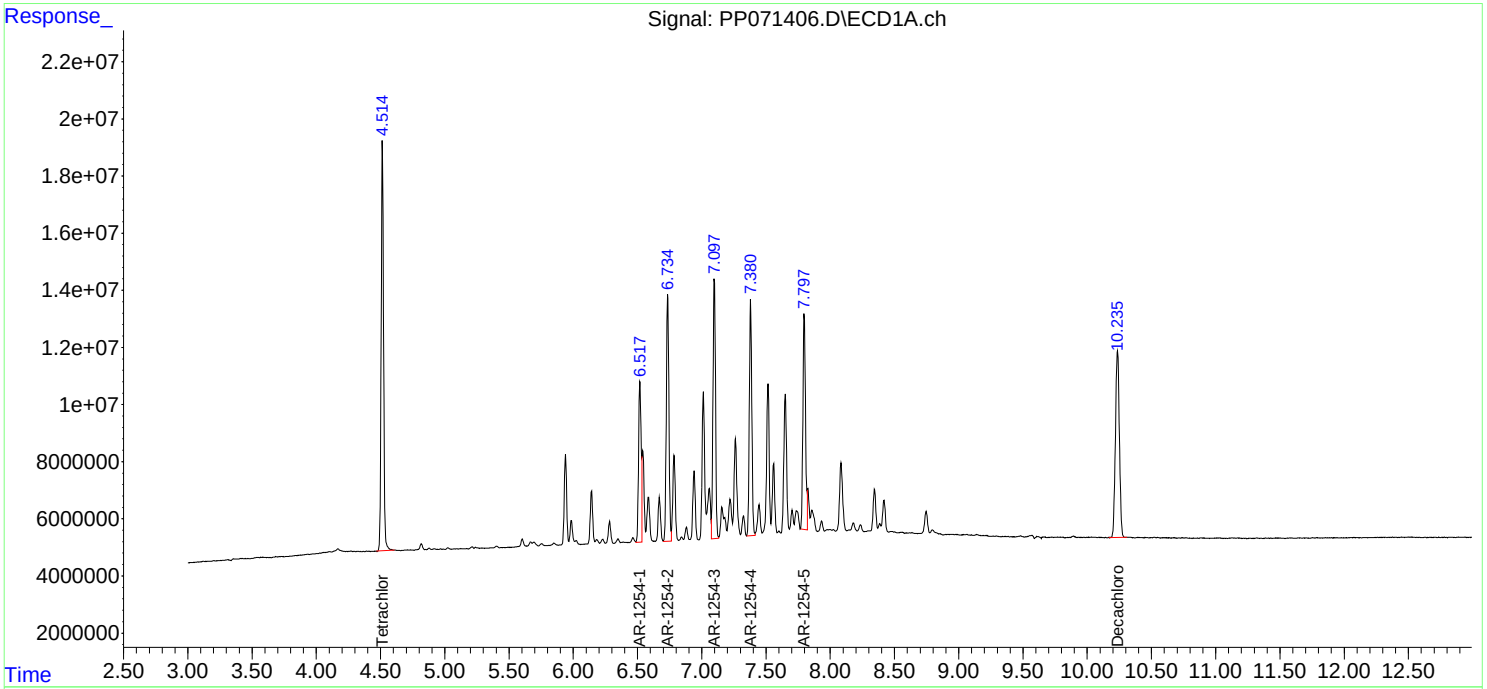
ICAL Form

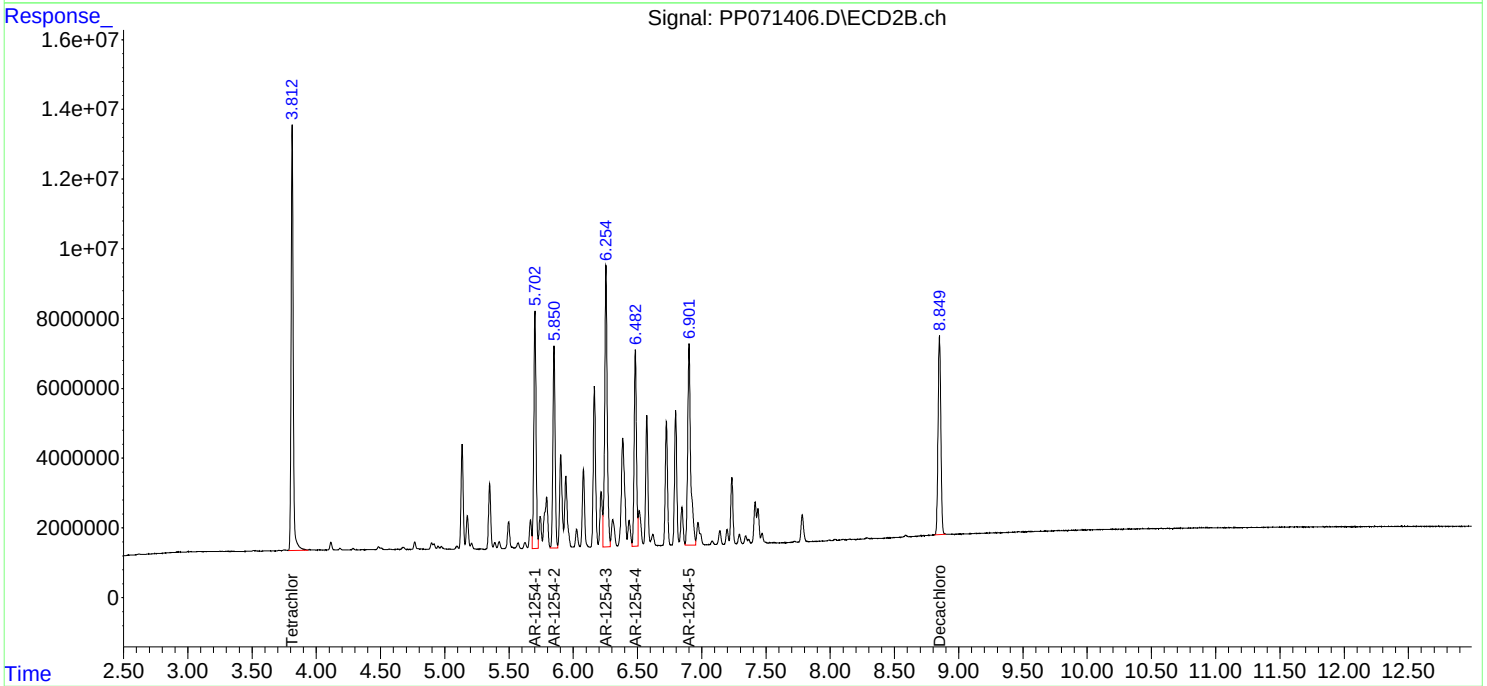
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071406.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 15:06
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 15:51:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 15:48:40 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\PP042225\
Data File : PP071407.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 15:22
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 15:54:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 15:48:40 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...	4.515	3.812	145.3E6	112.6E6	74.658	77.773
2)	SA Decachlor...	10.236	8.850	110.2E6	65650190	75.033	74.666
	Target Compounds						
26)	L6 AR-1254-1	6.519	5.703	60934961	65520948	744.931	759.494
27)	L6 AR-1254-2	6.735	5.851	94362074	56602387	745.775	762.037
28)	L6 AR-1254-3	7.098	6.255	95849879	85577532	748.410	746.476
29)	L6 AR-1254-4	7.381	6.483	87194278	55551540	746.295	750.532
30)	L6 AR-1254-5	7.797	6.901	79441918	72082199	721.000m	737.969

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071407.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 15:22
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

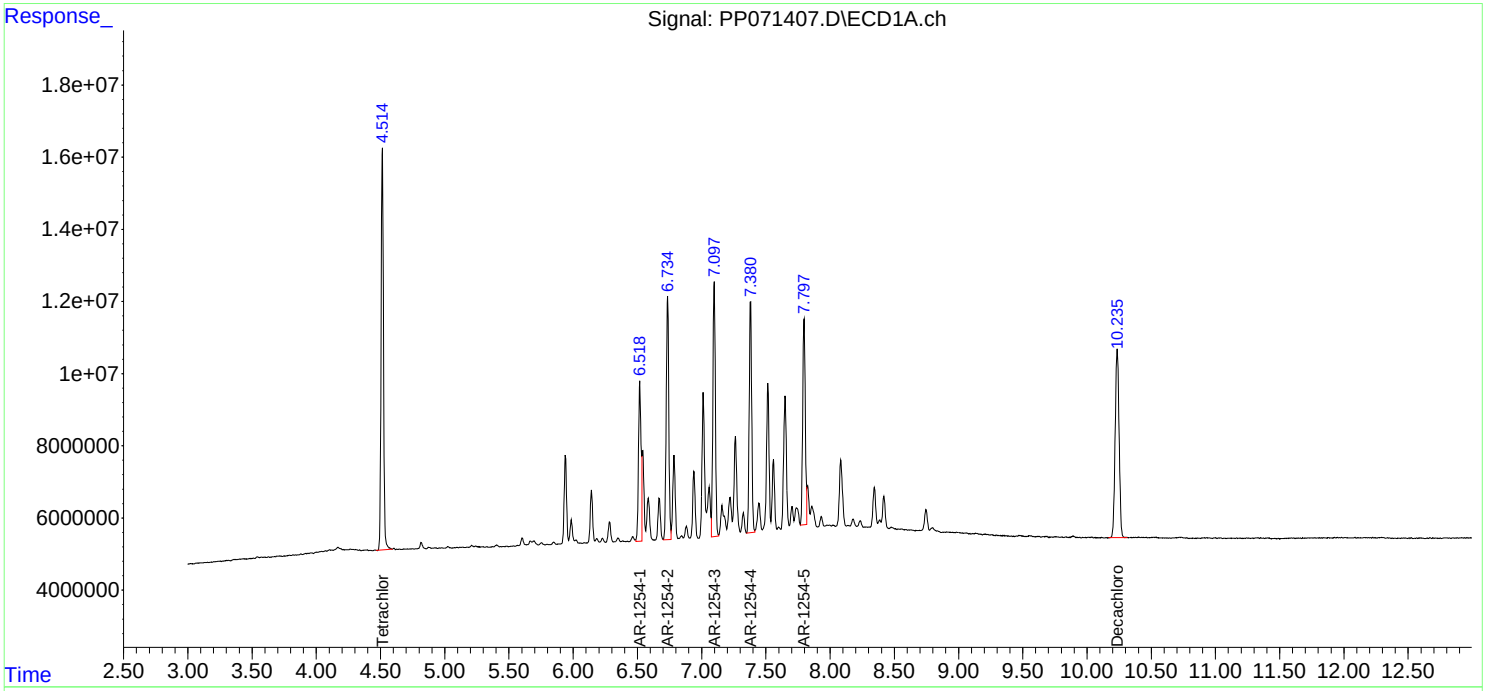
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

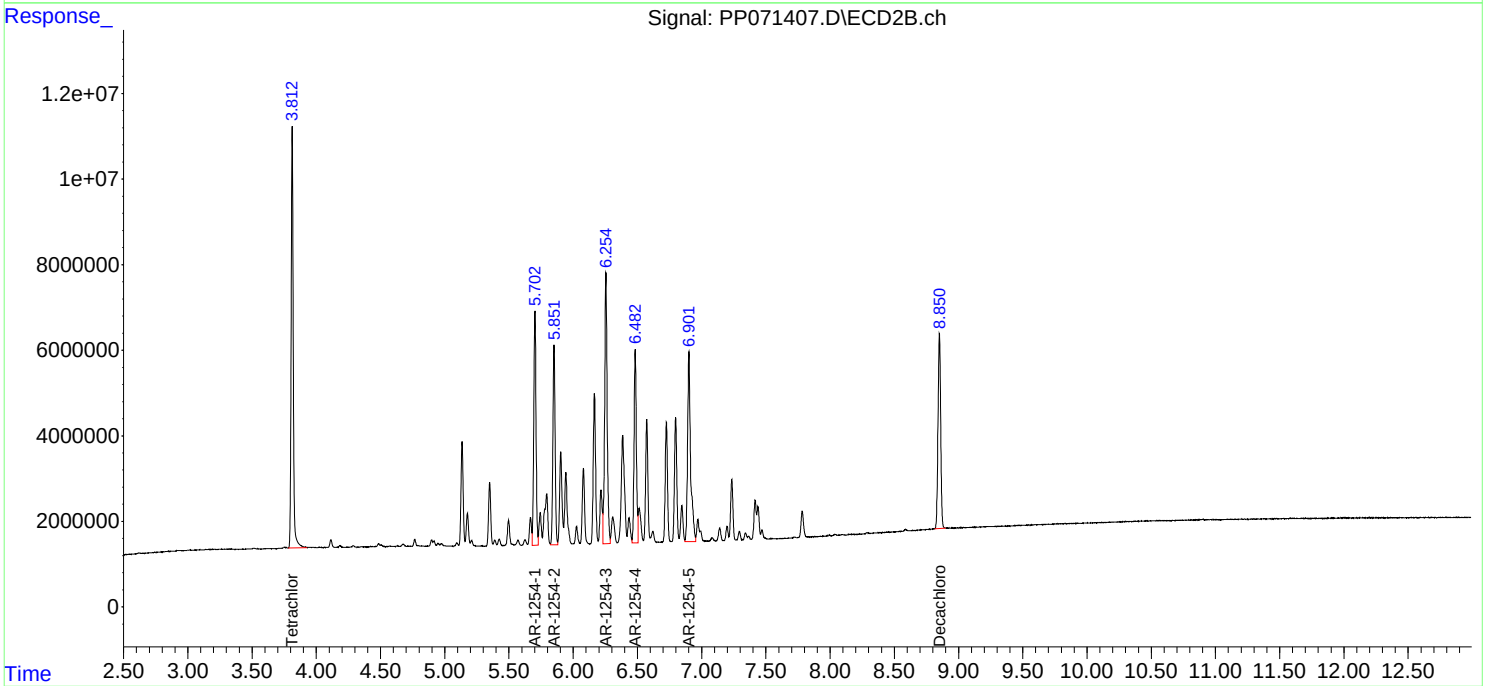
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 15:54:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 15:48:40 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\PP042225\
Data File : PP071408.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 15:38
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: Apr 22 15:48:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 15:48:40 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...	4.515	3.812	100.6E6	72545075	50.000	50.000
2)	SA Decachlor...	10.237	8.849	76319487	45805245	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	6.519	5.702	42788667	44877702	500.000	500.000
27)	L6 AR-1254-2	6.735	5.851	66073164	38658957	500.000	500.000
28)	L6 AR-1254-3	7.098	6.254	66490827	60048409	500.000	500.000
29)	L6 AR-1254-4	7.381	6.483	60868718	38905081	500.000	500.000
30)	L6 AR-1254-5	7.797	6.901	56892560	52345397	500.000	500.000

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

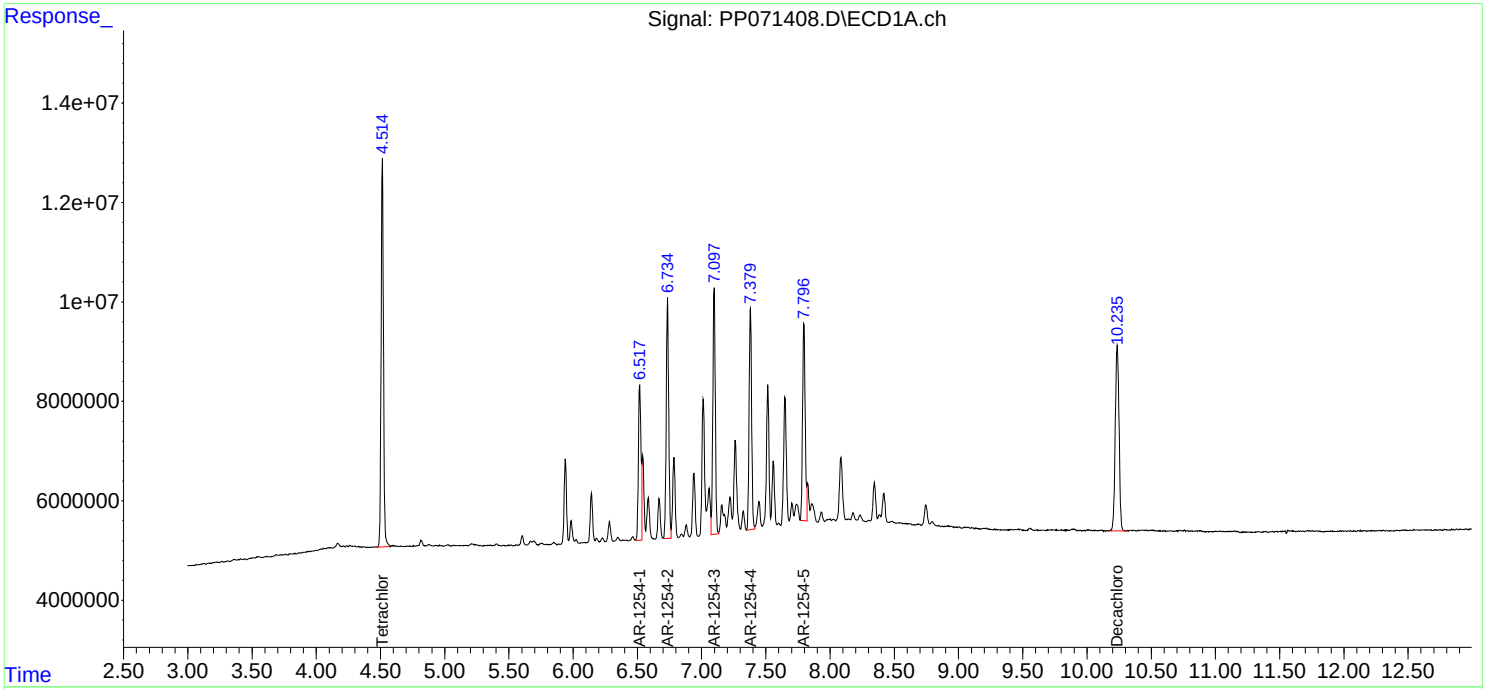
ICAL Form

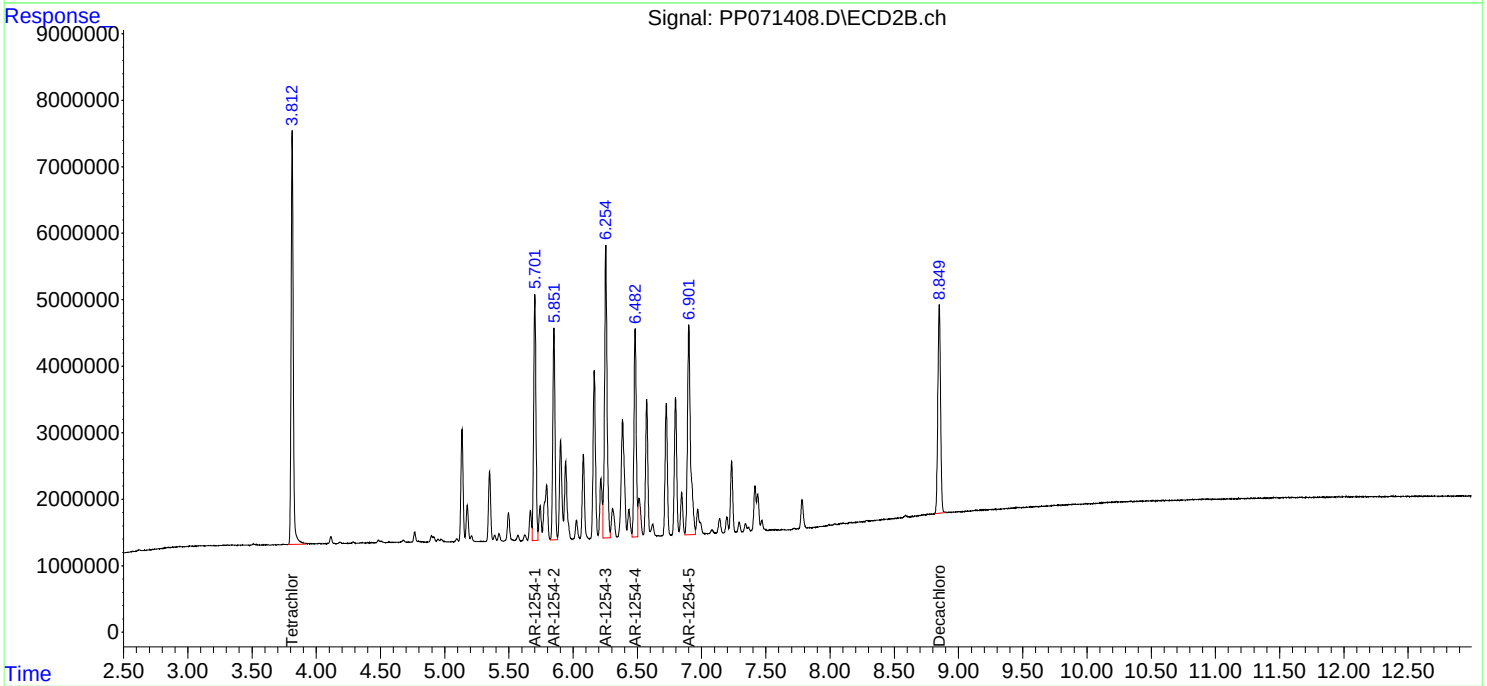
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071408.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 15:38
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 15:48:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 15:48:40 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\PP042225\
Data File : PP071409.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 15:55
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: Apr 22 16:07:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 16:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.513	3.813	51789148	37965204	26.192	25.910
2)	SA Decachlor...	10.234	8.850	38742671	23881547	26.022	26.587
	Target Compounds						
26)	L6 AR-1254-1	6.517	5.703	22149547	24321384	265.267	273.203
27)	L6 AR-1254-2	6.733	5.851	34278927	20788594	265.367	271.757
28)	L6 AR-1254-3	7.096	6.255	34405813	31095041	263.728	265.596
29)	L6 AR-1254-4	7.379	6.483	31098214	20469357	261.934	269.399
30)	L6 AR-1254-5	7.796	6.901	29038261	26846100	262.635	268.183

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

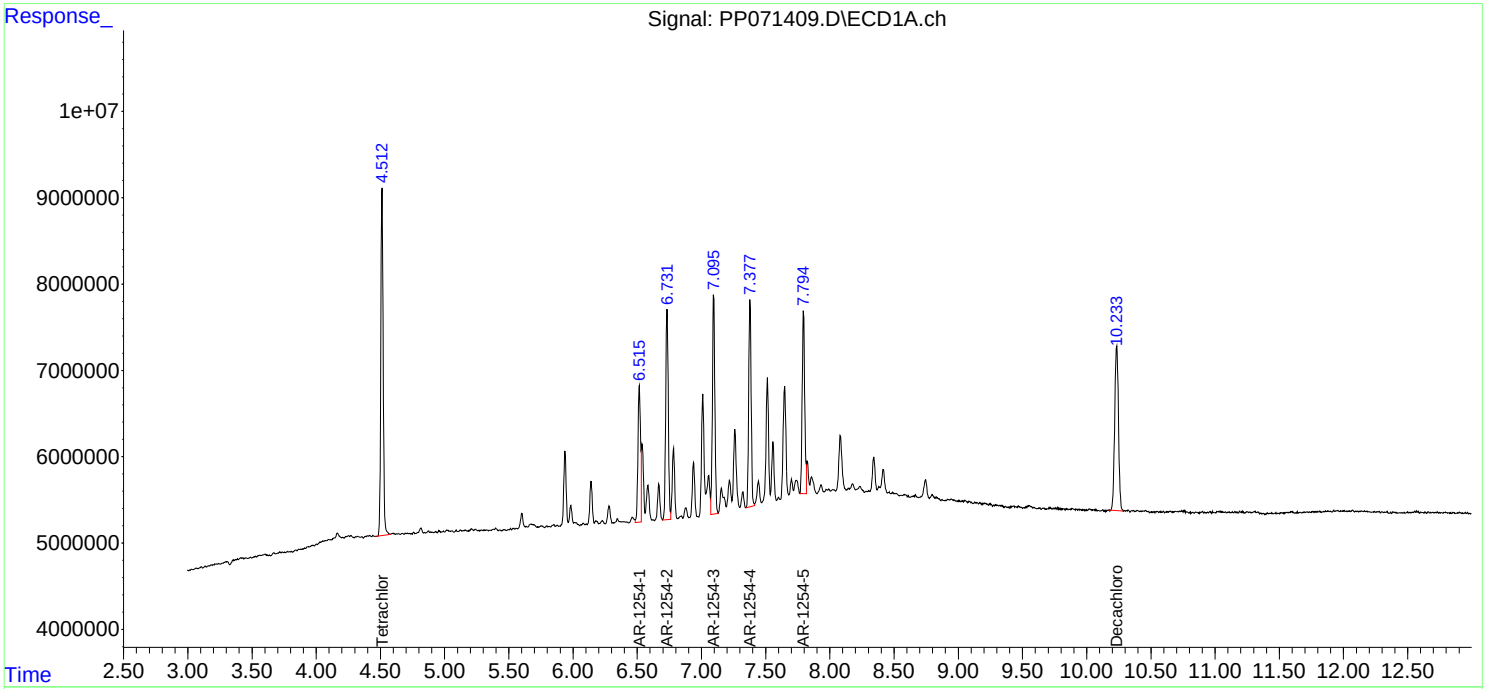
ICAL Form

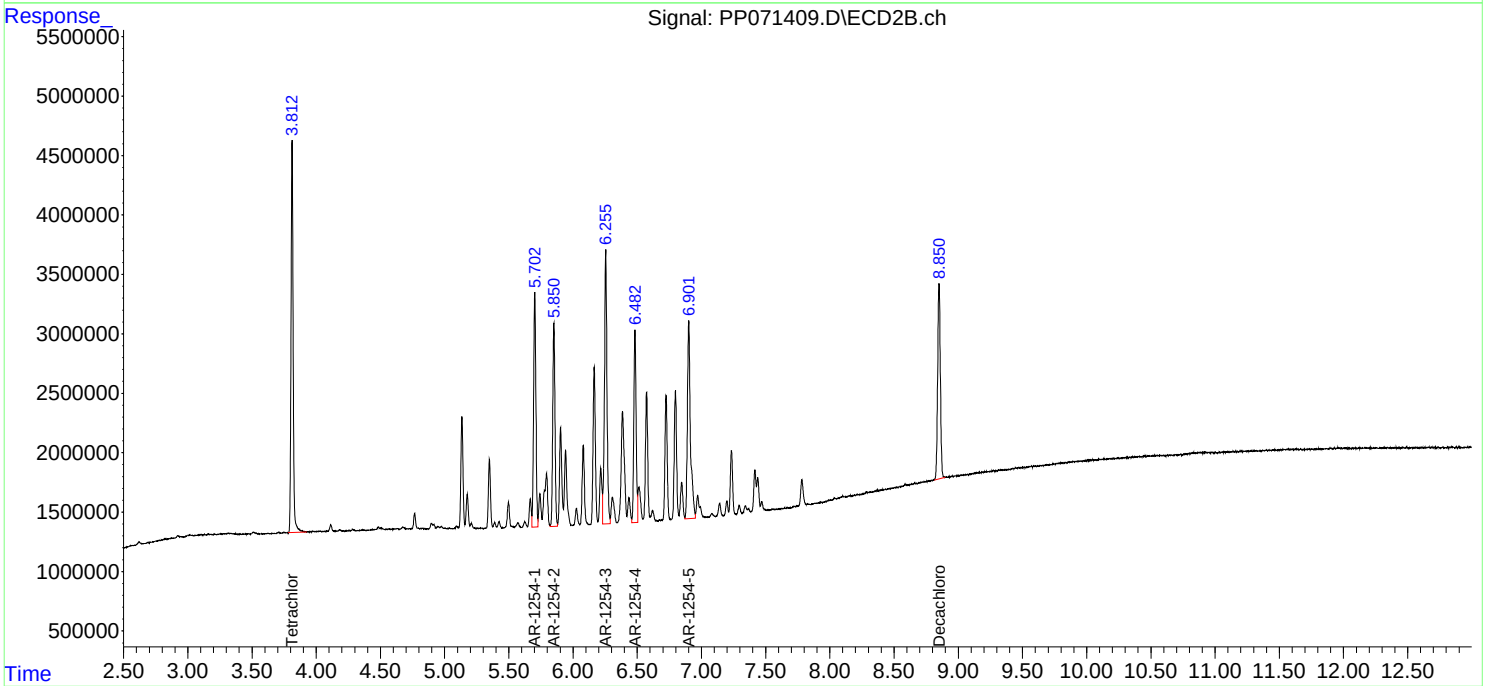
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071409.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 15:55
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 16:07:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 16:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\PP042225\
Data File : PP071410.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 16:11
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 16:54:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 16:54:36 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...	4.514	3.813	8612576	7342515	4.471m	5.009
2)	SA Decachlor...	10.236	8.850	6643627	4341119	4.560	4.865
	Target Compounds						
26)	L6 AR-1254-1	6.520	5.703	3787970	5045448	46.222	55.202
27)	L6 AR-1254-2	6.735	5.852	5933913	4378664	46.696	55.629
28)	L6 AR-1254-3	7.099	6.255	5851823	6211772	45.798	52.416
29)	L6 AR-1254-4	7.382	6.484	5633281	4095094	47.937	53.069
30)	L6 AR-1254-5	7.798	6.901	4819584	5346230	44.737	52.689

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071410.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 16:11
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

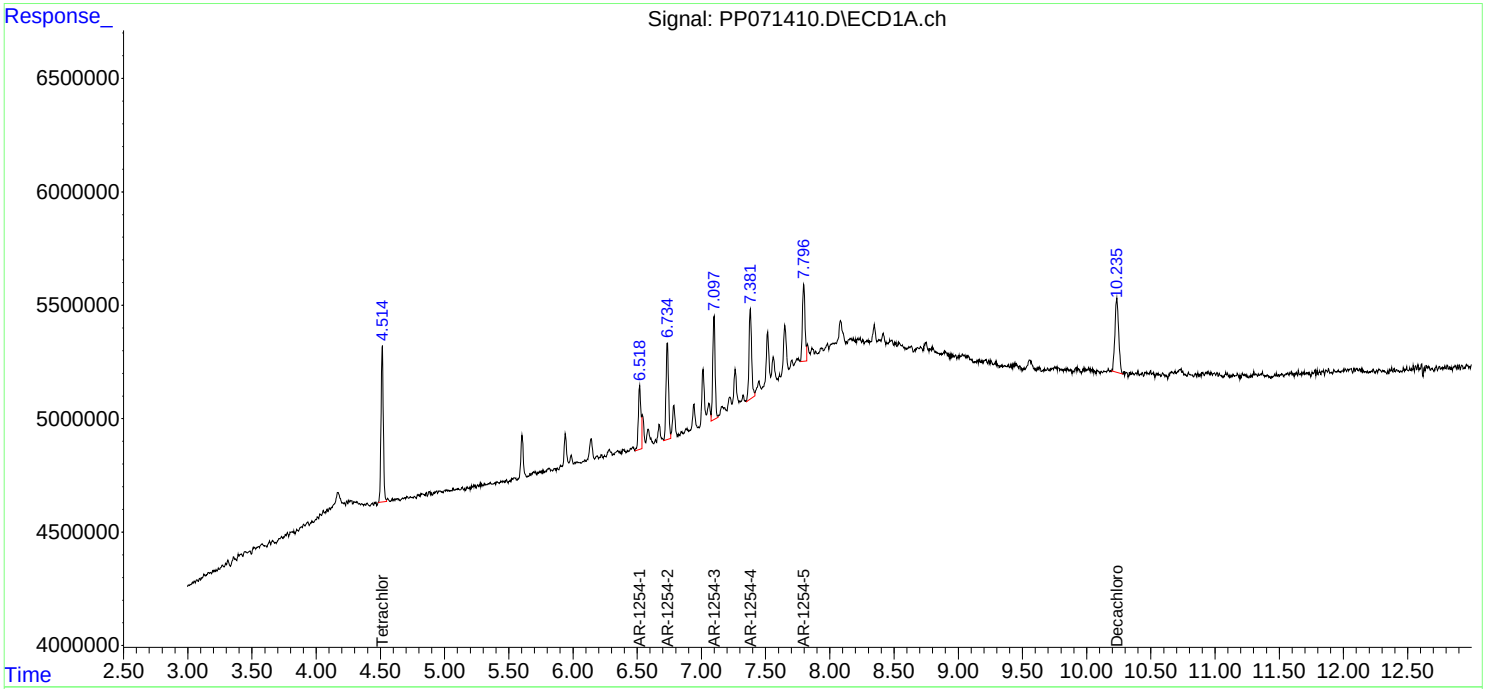
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

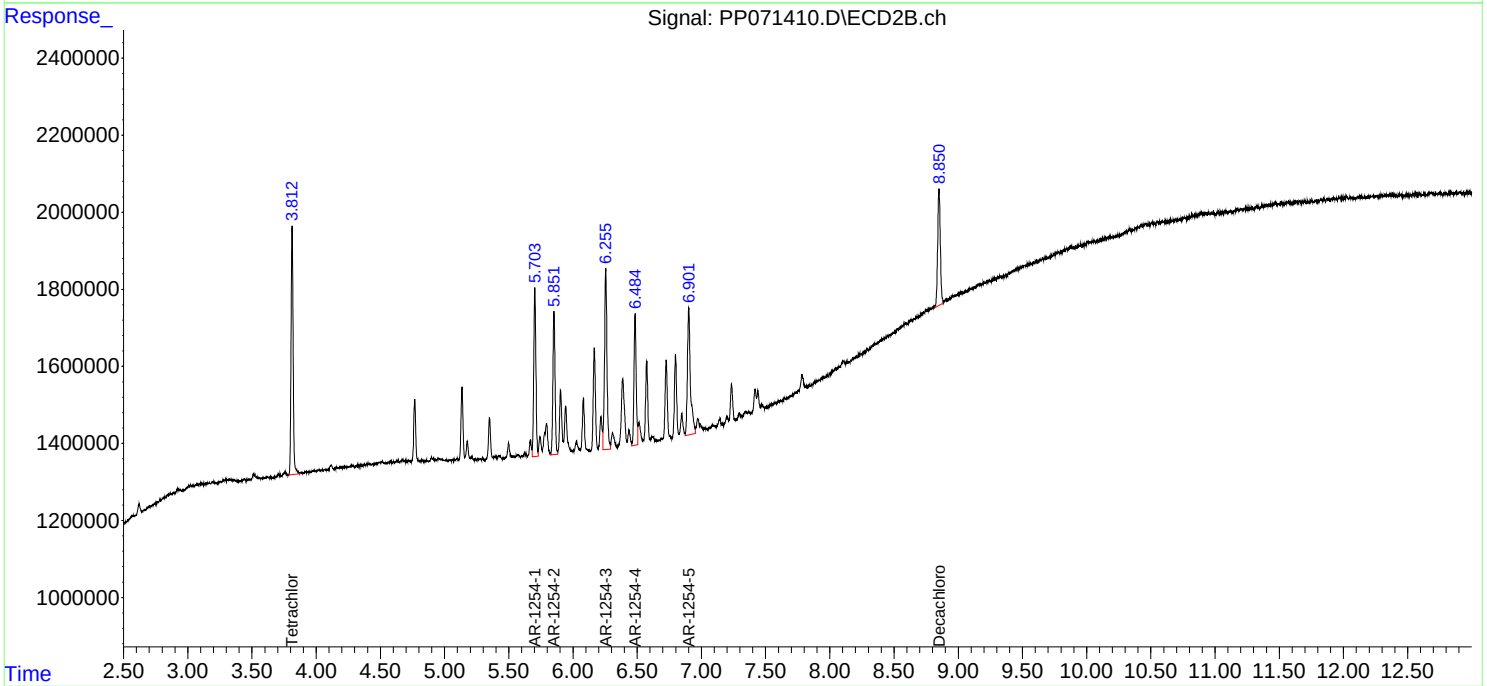
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 16:54:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 16:54:36 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\PP042225\
Data File : PP071411.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 16:27
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: Apr 22 17:08:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 17:08:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.515	3.813	98220466	71170259	50.000	50.000
2)	SA Decachlor...	10.235	8.850	74643123	44870081	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	8.100	6.939	72245642	56806132	500.000	500.000
37)	L8 AR-1262-2	8.420	7.198	137.1E6	46169678	500.000	500.000
38)	L8 AR-1262-3	8.737	7.721	91438860	37847231	500.000	500.000
39)	L8 AR-1262-4	8.822	7.786	67105487	62412938	500.000	500.000
40)	L8 AR-1262-5	9.478	8.286	44080983	27746588	500.000	500.000

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

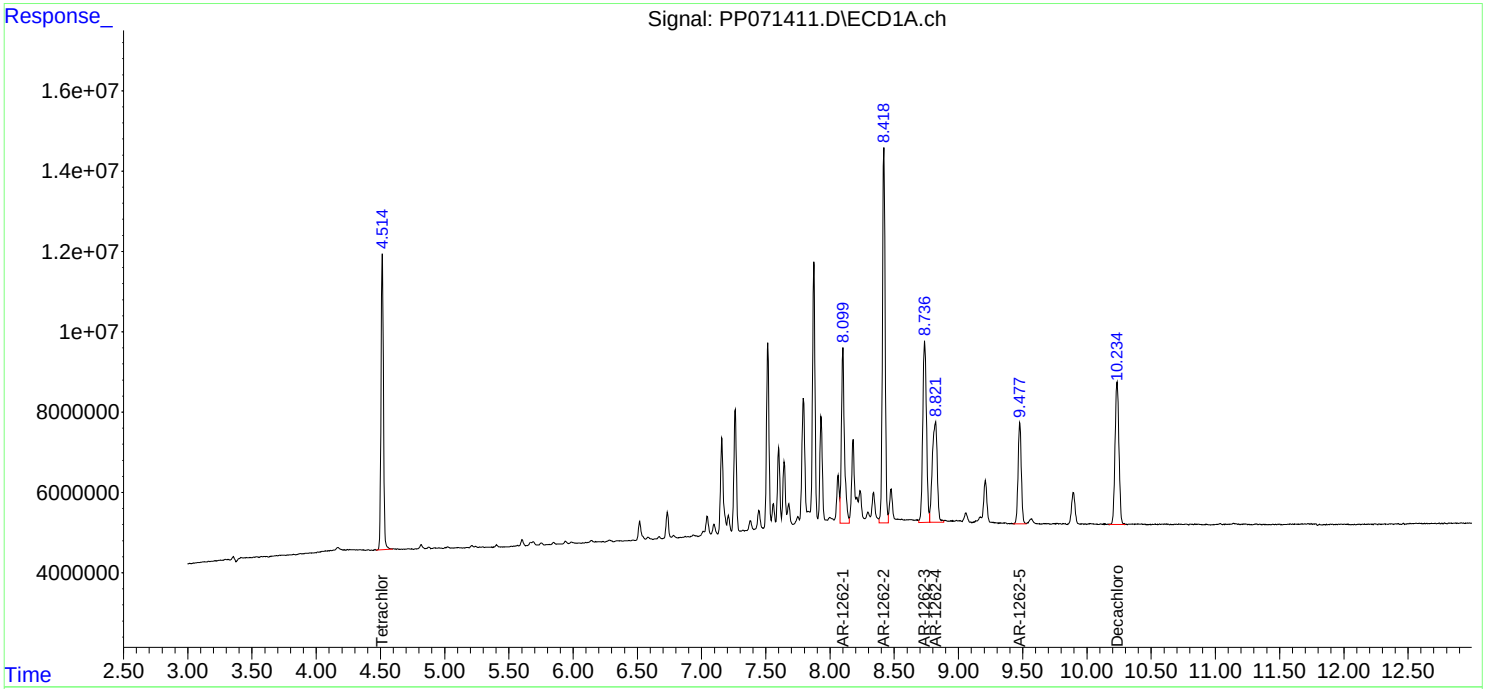
ICAL Form

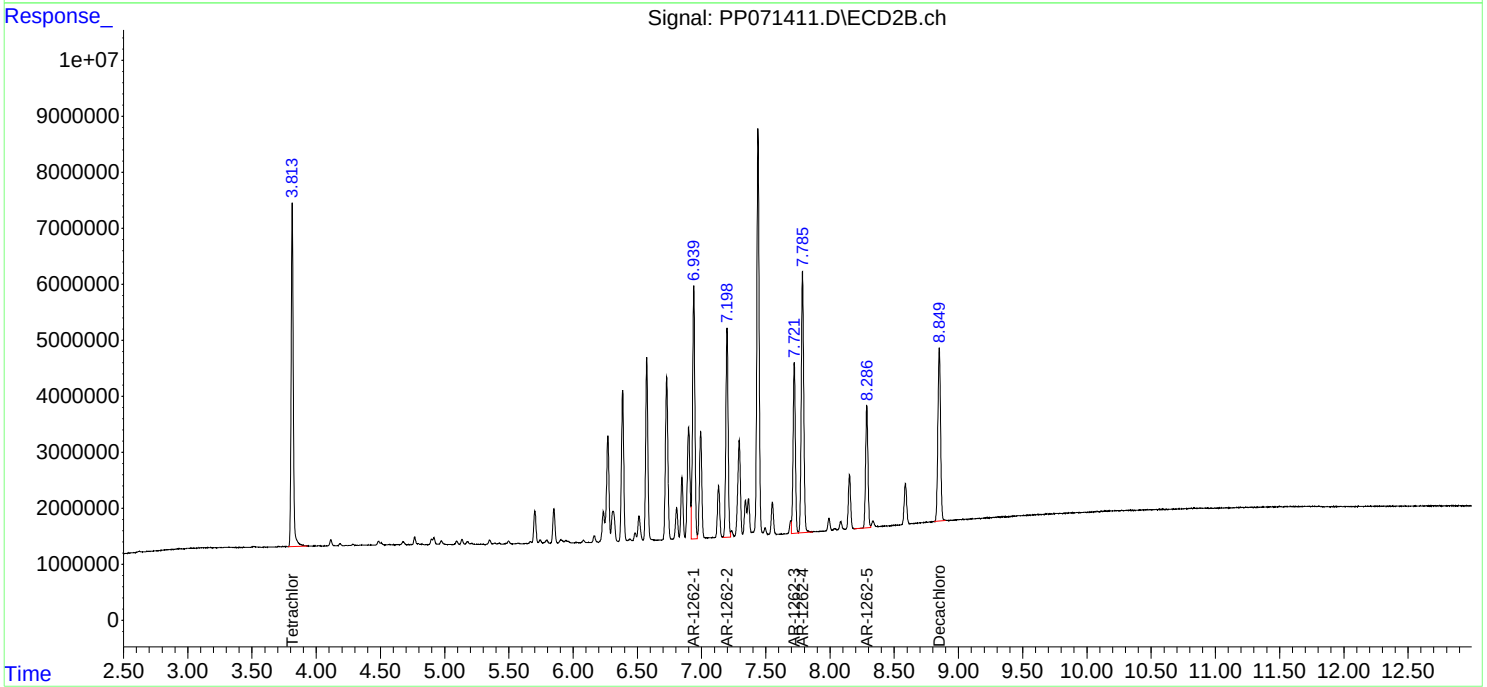
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071411.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 16:27
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 17:08:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 17:08:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071412.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 16:44
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:44:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.514	3.812	188.4E6	147.6E6	95.054	100.837
2)	SA Decachlor...	10.235	8.850	248.7E6	149.9E6	93.152	93.528
	Target Compounds						
41)	L9 AR-1268-1	8.733	7.722	299.6E6	181.9E6	936.979	895.922m
42)	L9 AR-1268-2	8.826	7.788	251.1E6	154.8E6	937.116	896.075
43)	L9 AR-1268-3	9.058	7.993	211.9E6	128.5E6	940.656	898.014
44)	L9 AR-1268-4	9.477	8.287	93231632	56964280	941.667	896.773
45)	L9 AR-1268-5	9.894	8.588	590.1E6	367.0E6	950.117	952.869

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071412.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 16:44
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

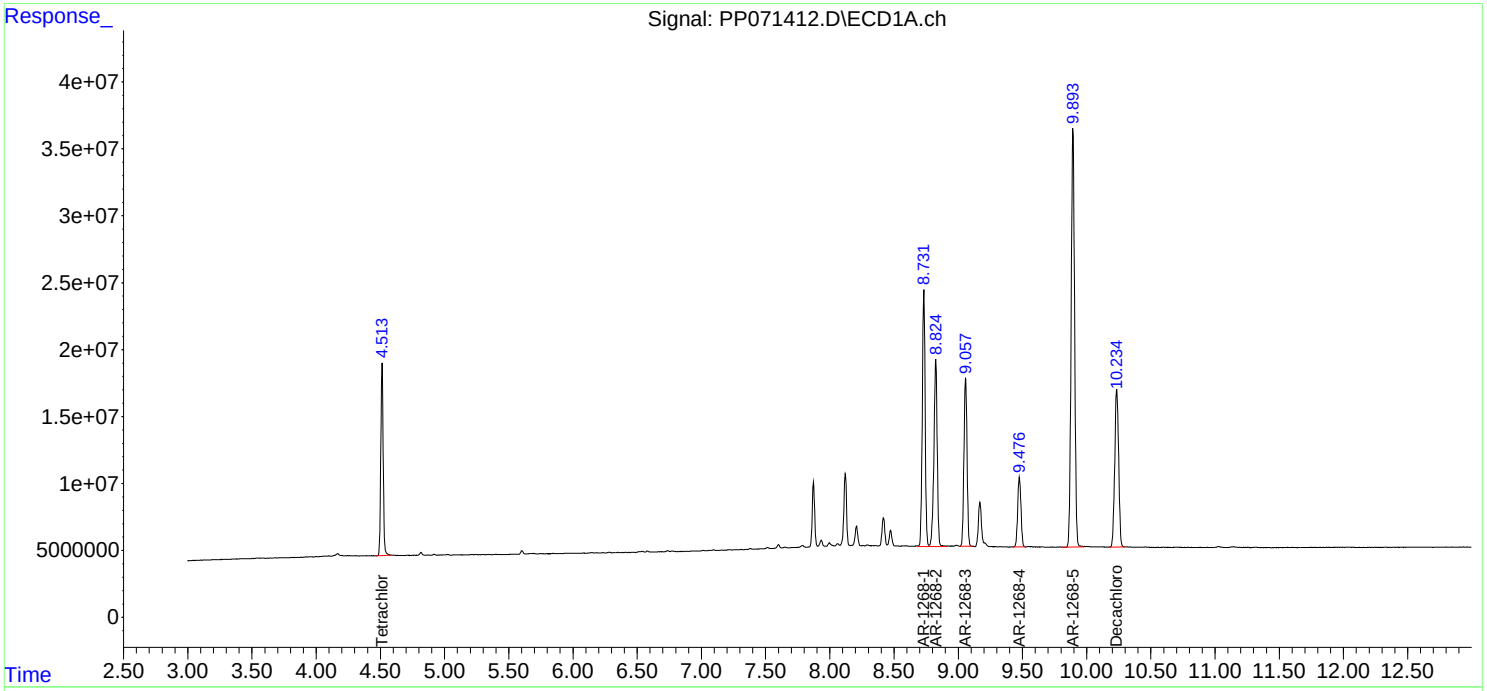
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

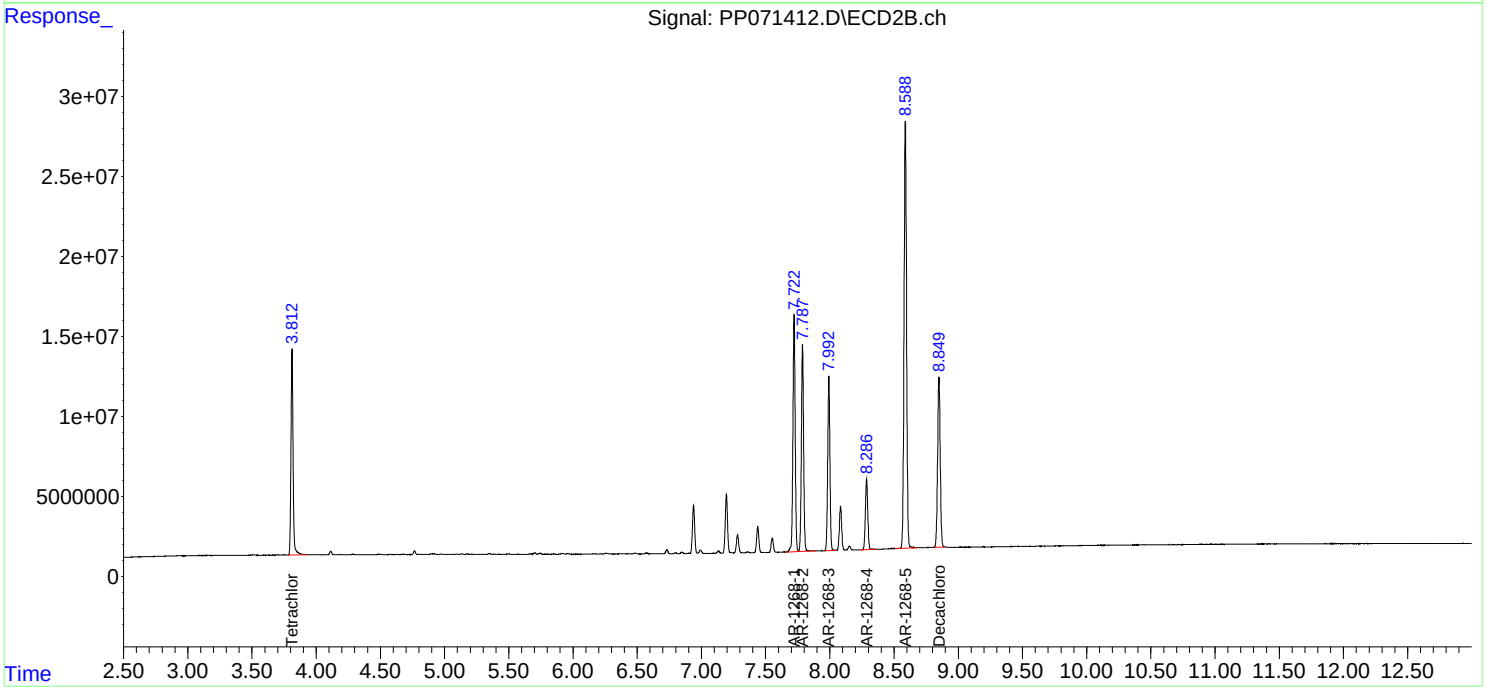
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:44:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\PP042225\
Data File : PP071413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:00
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:45:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.515	3.813	144.9E6	108.4E6	73.091	74.065
2)	SA Decachlor...	10.234	8.849	191.8E6	116.0E6	71.833	72.344
	Target Compounds						
41)	L9 AR-1268-1	8.733	7.721	231.8E6	141.3E6	725.026	696.327m
42)	L9 AR-1268-2	8.826	7.787	194.3E6	119.6E6	725.052	692.534
43)	L9 AR-1268-3	9.058	7.991	163.8E6	99816904	726.929	697.612
44)	L9 AR-1268-4	9.476	8.285	72323269	44771879	730.486	704.831
45)	L9 AR-1268-5	9.894	8.587	452.8E6	283.3E6	729.082	735.437

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:00
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

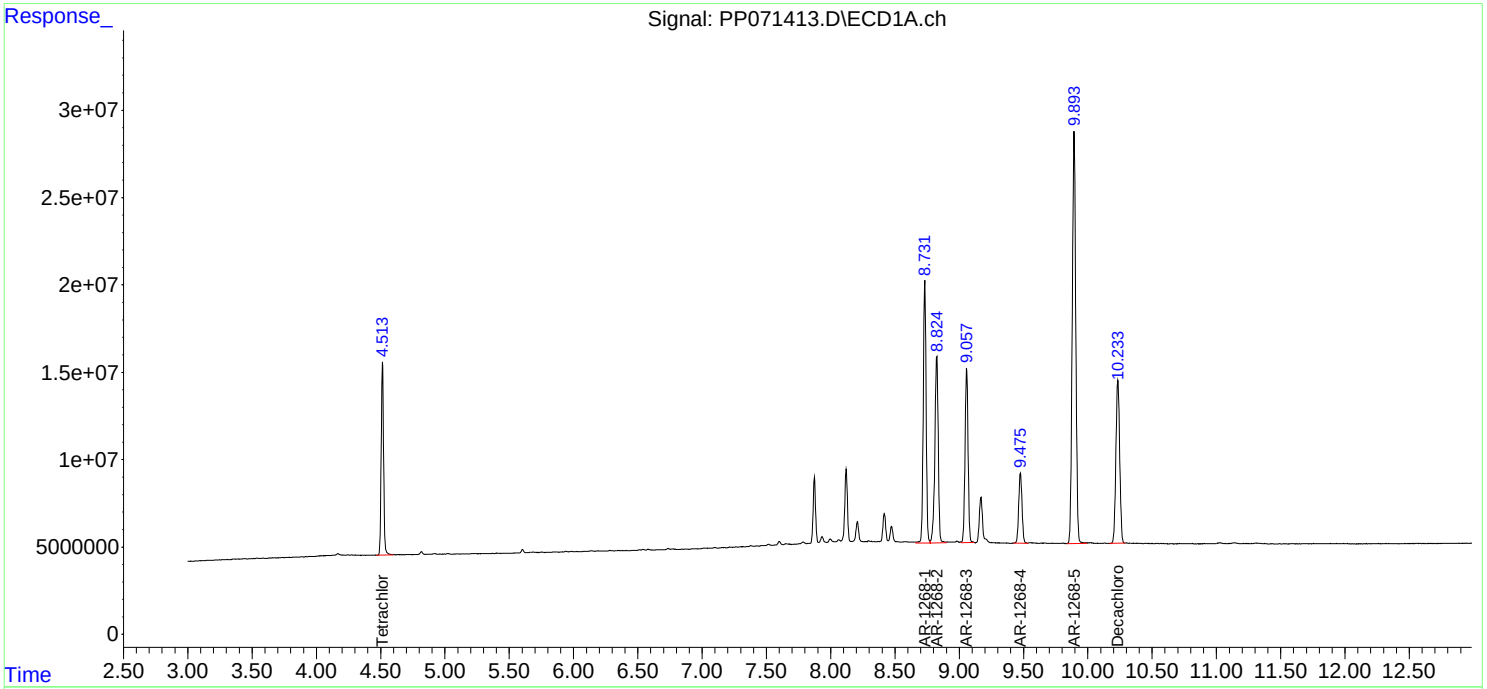
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

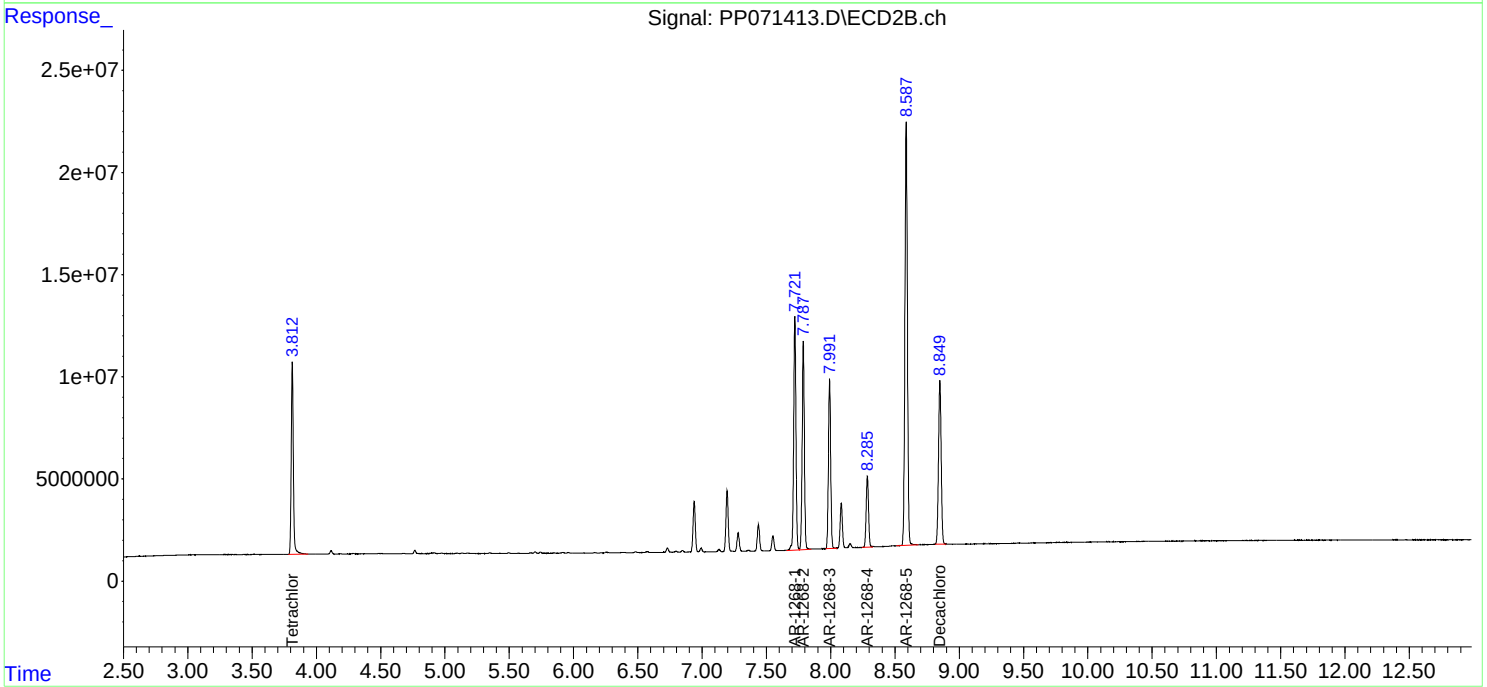
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:45:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\PP042225\
Data File : PP071414.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:16
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:46:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.515	3.814	99100413	73210719	50.000	50.000
2)	SA Decachlor...	10.236	8.851	133.5E6	80139523	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	8.733	7.722	159.9E6	101.7E6	500.000	501.224m
42)	L9 AR-1268-2	8.826	7.788	134.0E6	86377504	500.000	500.000
43)	L9 AR-1268-3	9.059	7.993	112.6E6	71541846	500.000	500.000
44)	L9 AR-1268-4	9.478	8.287	49503520	31760699	500.000	500.000
45)	L9 AR-1268-5	9.894	8.589	310.5E6	192.6E6	500.000	500.000

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071414.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:16
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

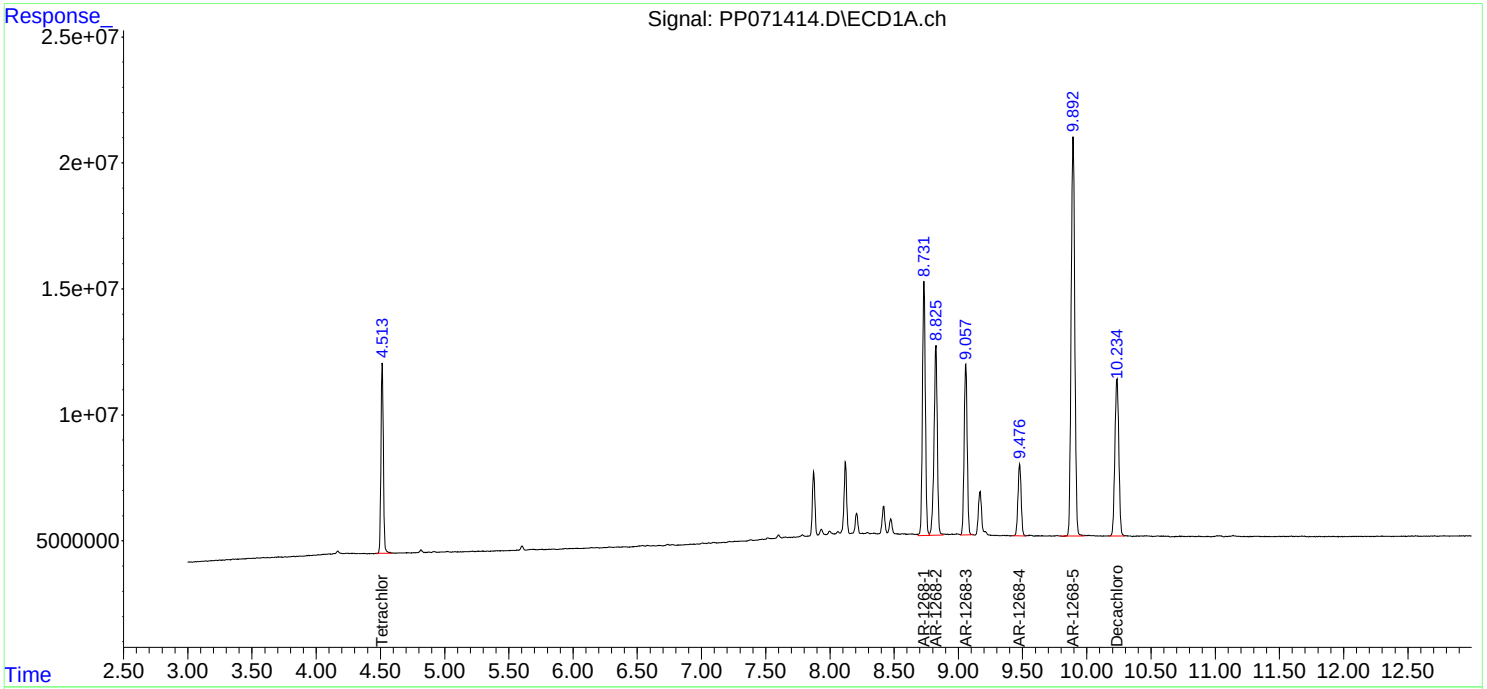
Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

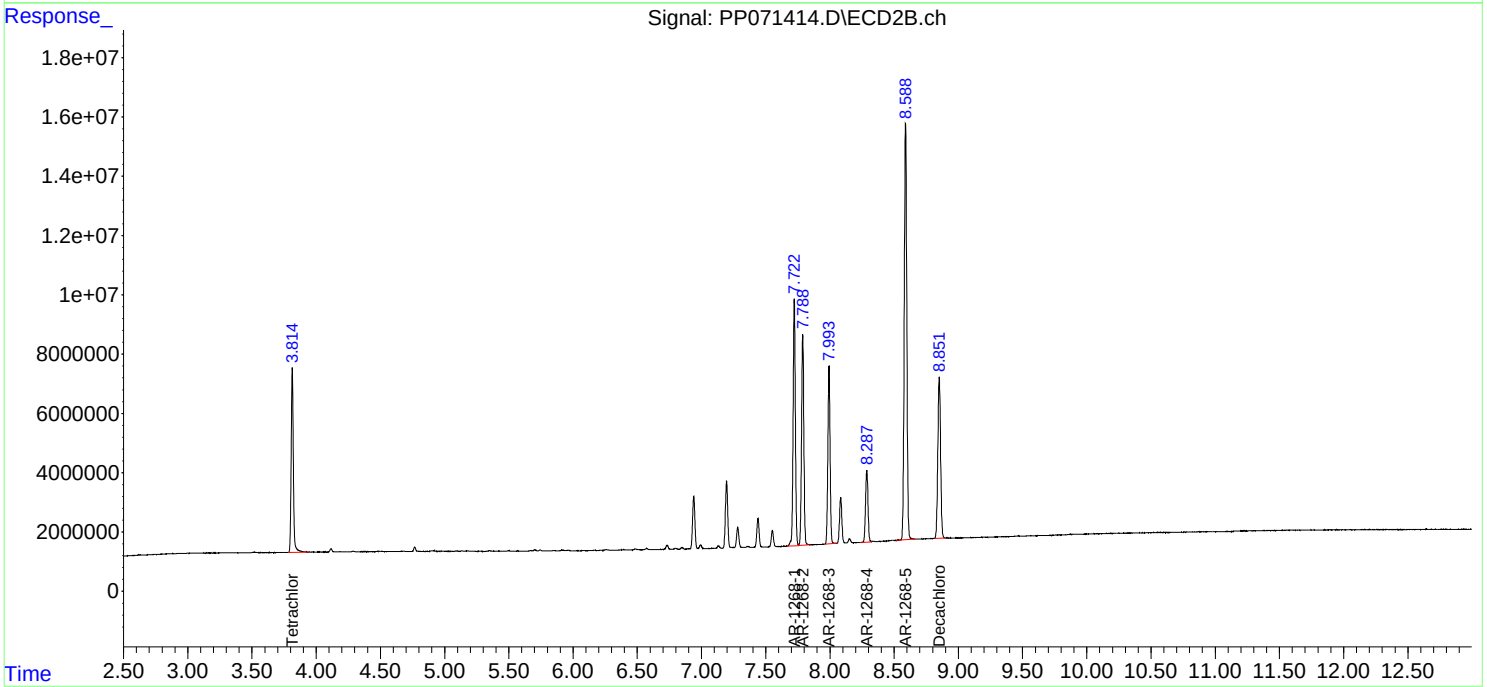
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:46:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\PP042225\
Data File : PP071415.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:33
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:47:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.517	3.813	50174786	36443440	25.315	24.889
2)	SA Decachlor...	10.236	8.850	67366681	41318494	25.236	25.779
	Target Compounds						
41)	L9 AR-1268-1	8.735	7.721	82956522	51353583	259.446	252.990m
42)	L9 AR-1268-2	8.828	7.788	68964227	43318102	257.367	250.749
43)	L9 AR-1268-3	9.061	7.991	57876424	36193296	256.904	252.952
44)	L9 AR-1268-4	9.480	8.286	24514996	16044448	247.609	252.583
45)	L9 AR-1268-5	9.897	8.587	157.8E6	96869753	254.135	251.495

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071415.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:33
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

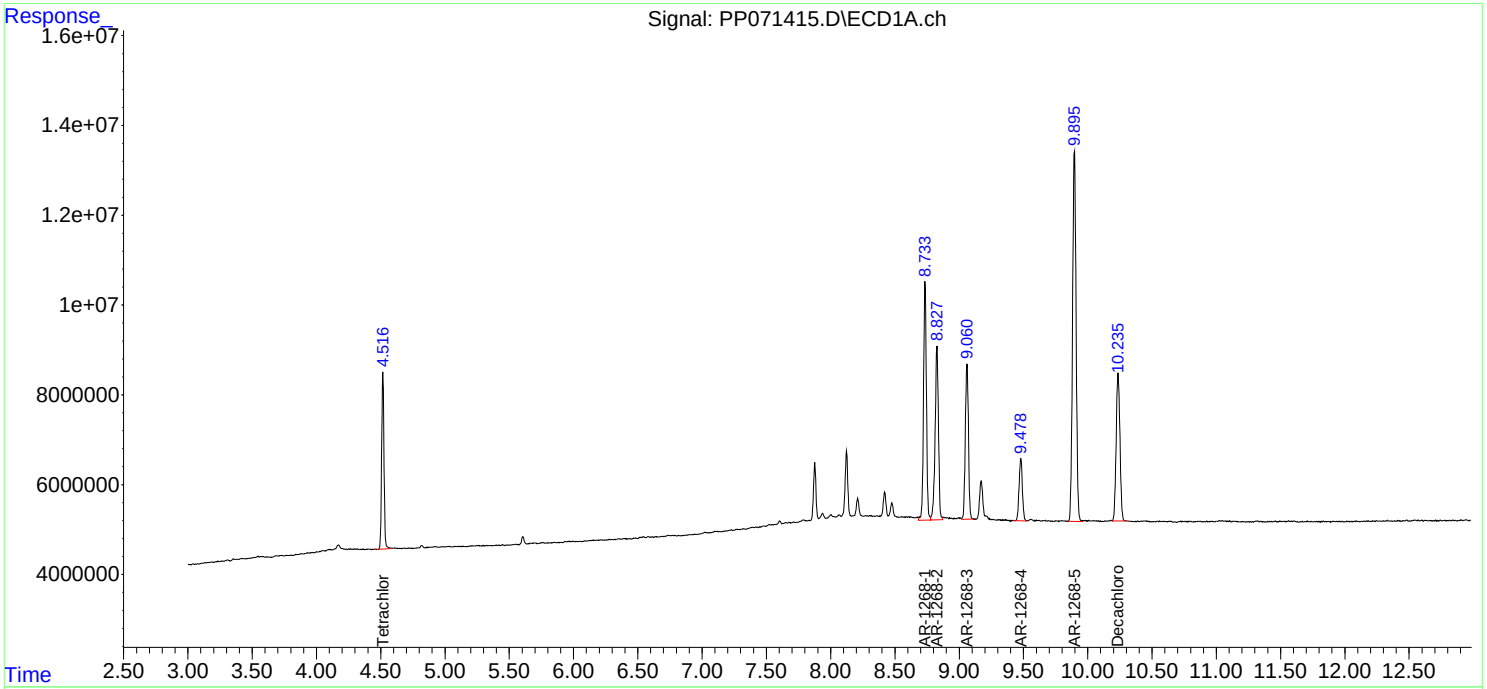
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

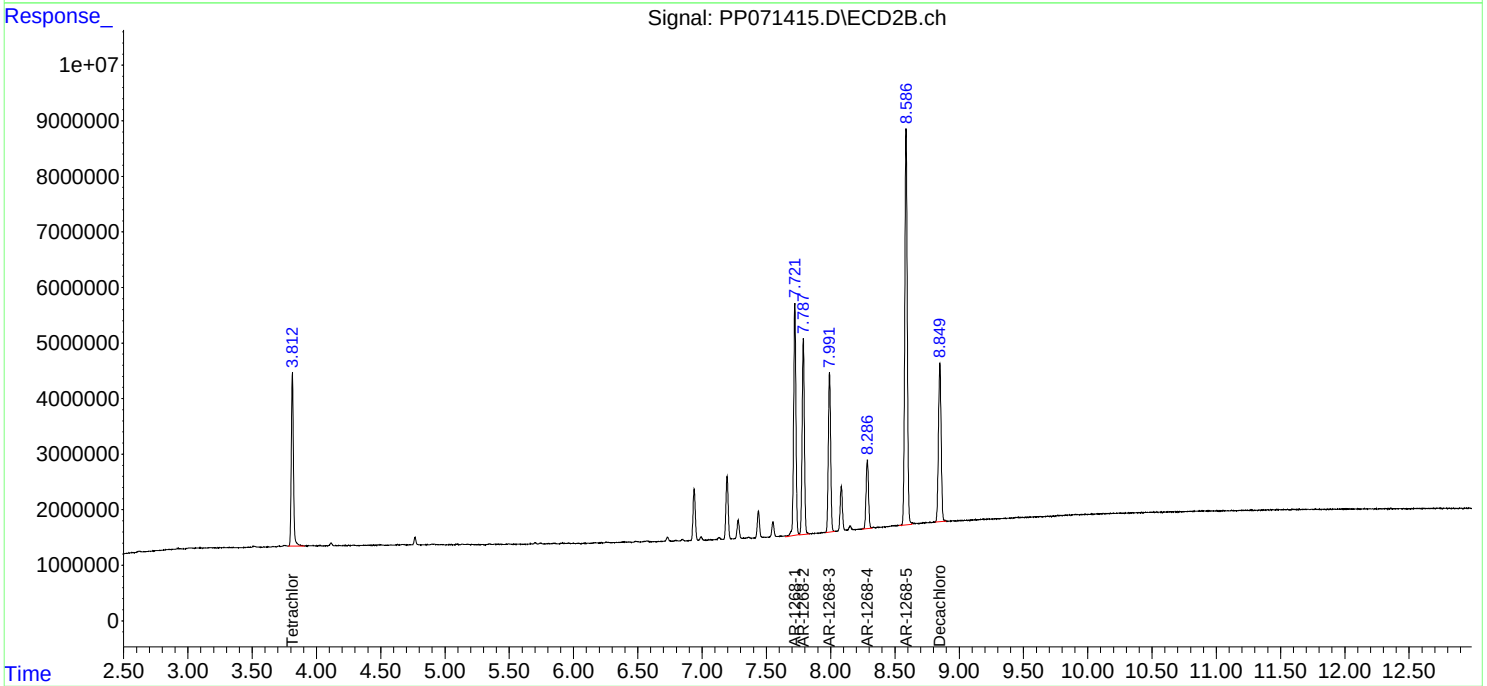
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:47:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\PP042225\
Data File : PP071416.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:49
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:47:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.514	3.813	7954830	6504410	4.014	4.442
2)	SA Decachlor...	10.235	8.850	11316360	7324768	4.239	4.570
	Target Compounds						
41)	L9 AR-1268-1	8.731	7.721	14103190	10095232	44.108m	49.733m
42)	L9 AR-1268-2	8.825	7.787	11406198	8528068	42.567m	49.365
43)	L9 AR-1268-3	9.058	7.992	10823544	6773456	48.044	47.339
44)	L9 AR-1268-4	9.476	8.287	4136815	2789666	41.783	43.917
45)	L9 AR-1268-5	9.894	8.588	26835395	17143092	43.209	44.507

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071416.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:49
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

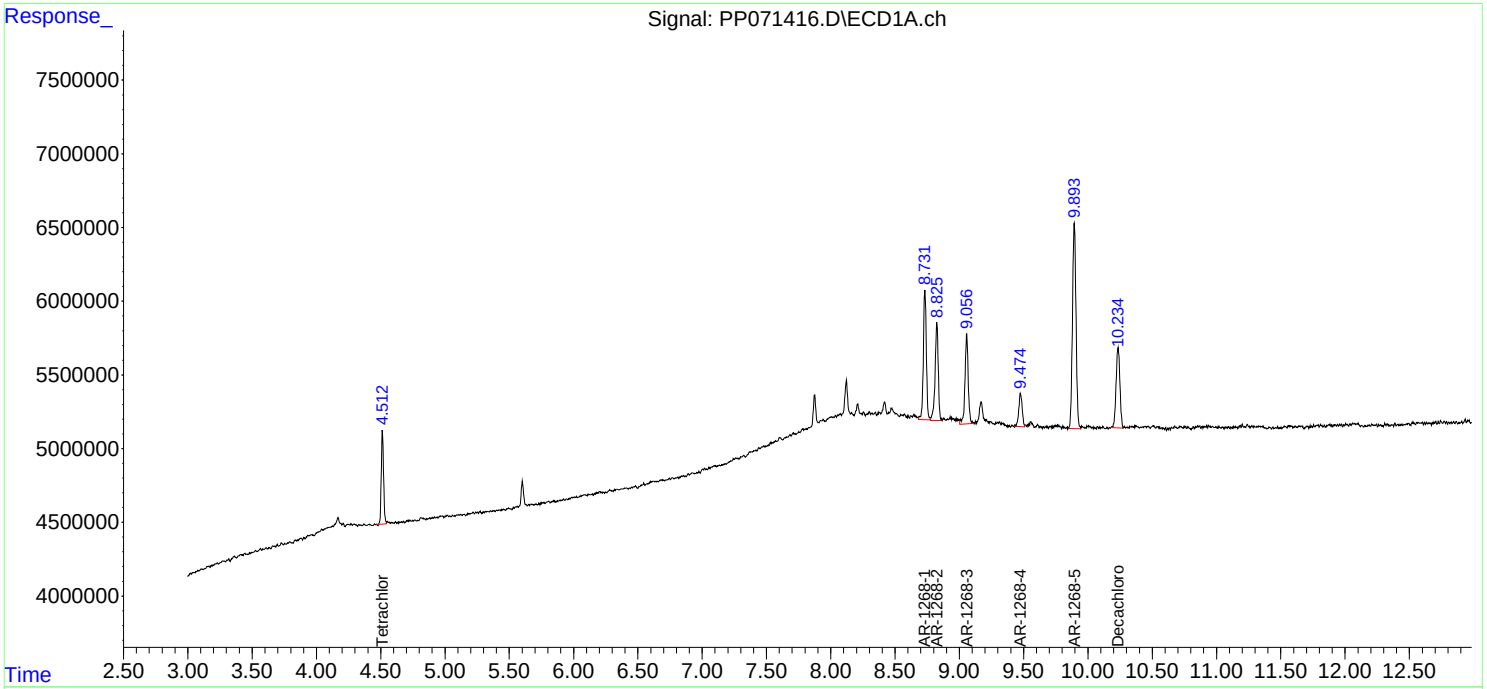
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

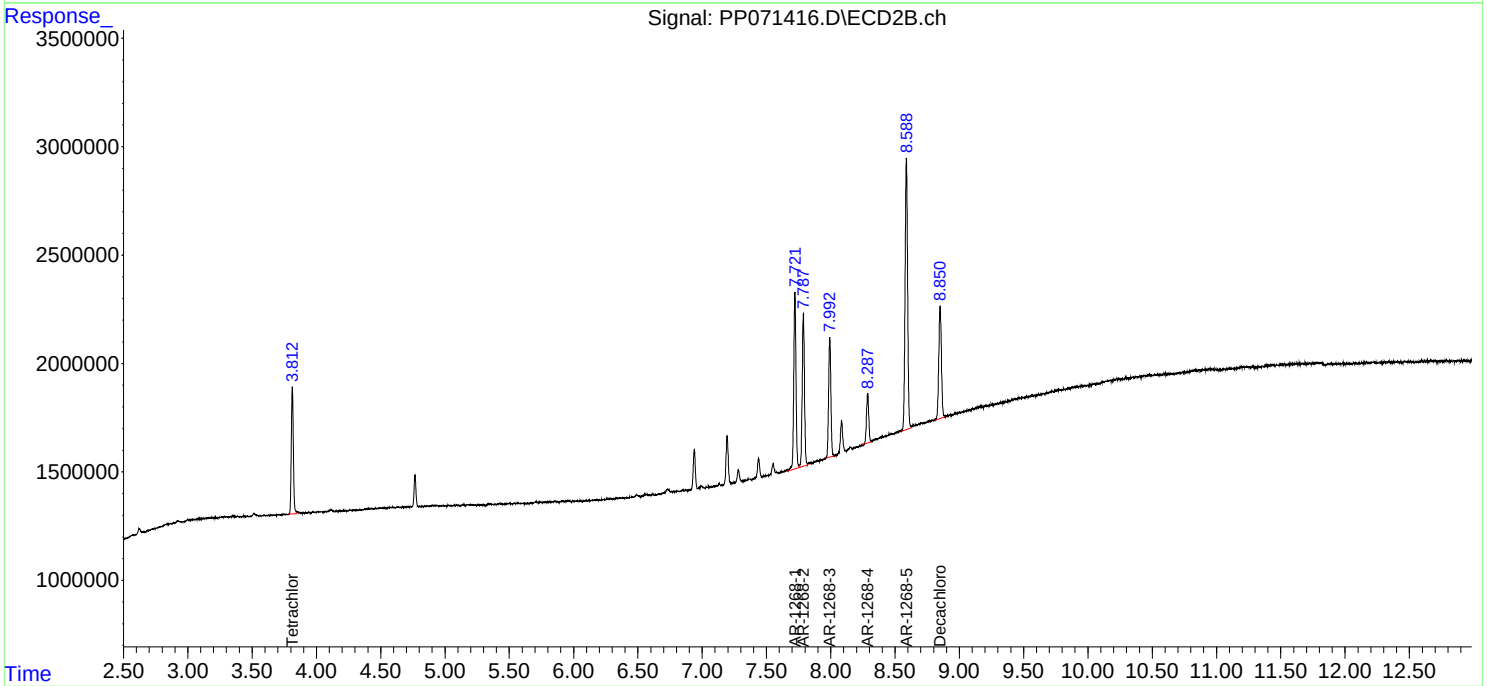
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:47:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\PP042225\
Data File : PP071417.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 18:05
Operator : YP\AJ
Sample : PP042225ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP042225

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 19:27:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 17:08:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.812	98003244	70310326	49.431	49.914
2)	SA Decachlor...	10.233	8.849	73424396	44681766	50.707	50.945
	Target Compounds						
3)	L1 AR-1016-1	5.668	4.898	33546404	27255669	500.321	509.132
4)	L1 AR-1016-2	5.690	4.916	50377176	38783246	490.870	507.875
5)	L1 AR-1016-3	5.752	5.093	30221252	21921068	490.230	519.328
6)	L1 AR-1016-4	5.850	5.135	25444869	18087794	496.019	524.498
7)	L1 AR-1016-5	6.142	5.349	24049539	22819712	498.556	513.411
31)	L7 AR-1260-1	7.262	6.384	46974832	35744650	489.196	494.399
32)	L7 AR-1260-2	7.515	6.573	70731391	43416292	494.358	496.405
33)	L7 AR-1260-3	7.875	6.726	58007061	39241127	517.439	500.604
34)	L7 AR-1260-4	8.098	7.198	56235072	31343464	498.252	496.643
35)	L7 AR-1260-5	8.418	7.439	114.7E6	75416996	506.086	500.188

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

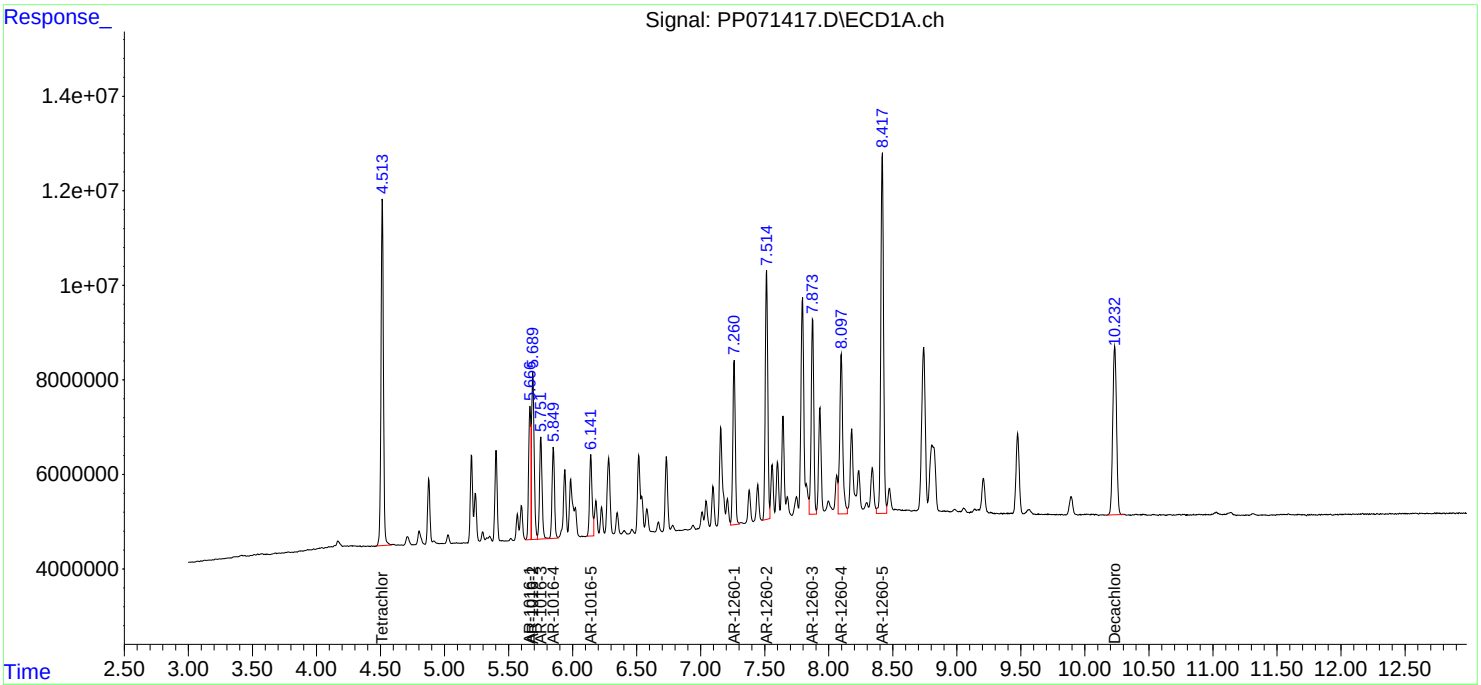
ICAL Form

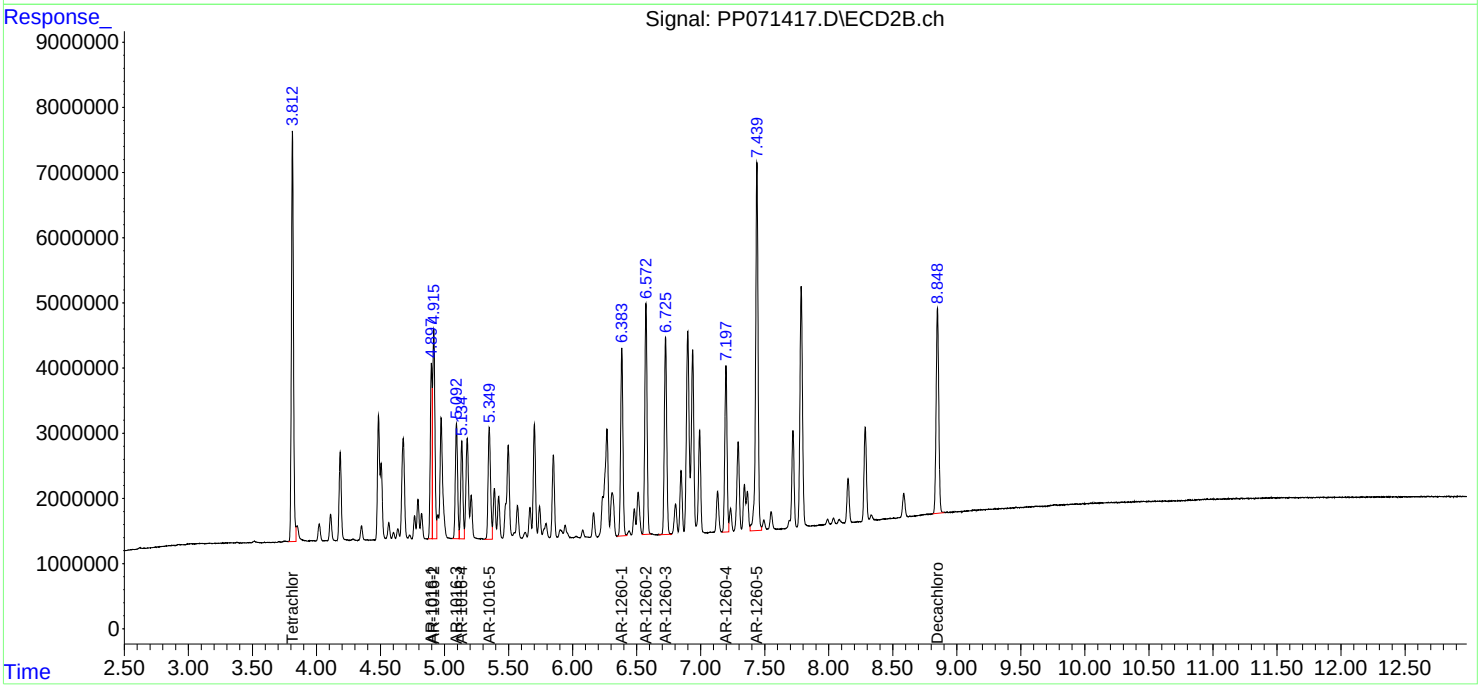
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071417.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 18:05
Operator : YP\AJ
Sample : PP042225ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP042225

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 19:27:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 17:08:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 18:38
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 02:23:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 02:23:12 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...	4.515	3.813	98322267	73653264	48.740	48.976
2)	SA Decachlor...	10.234	8.849	73973652	44775920	49.685	49.917
	Target Compounds						
16)	L4 AR-1242-1	5.669	4.898	28608484	23663233	489.076	493.809
17)	L4 AR-1242-2	5.690	4.917	43367430	33449196	480.598	489.769
18)	L4 AR-1242-3	5.753	5.094	25764272	18726327	483.300	486.783
19)	L4 AR-1242-4	5.850	5.178	21798483	18331184	484.040	488.202
20)	L4 AR-1242-5	6.581	5.702	23472650	21942094	485.668	487.912

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

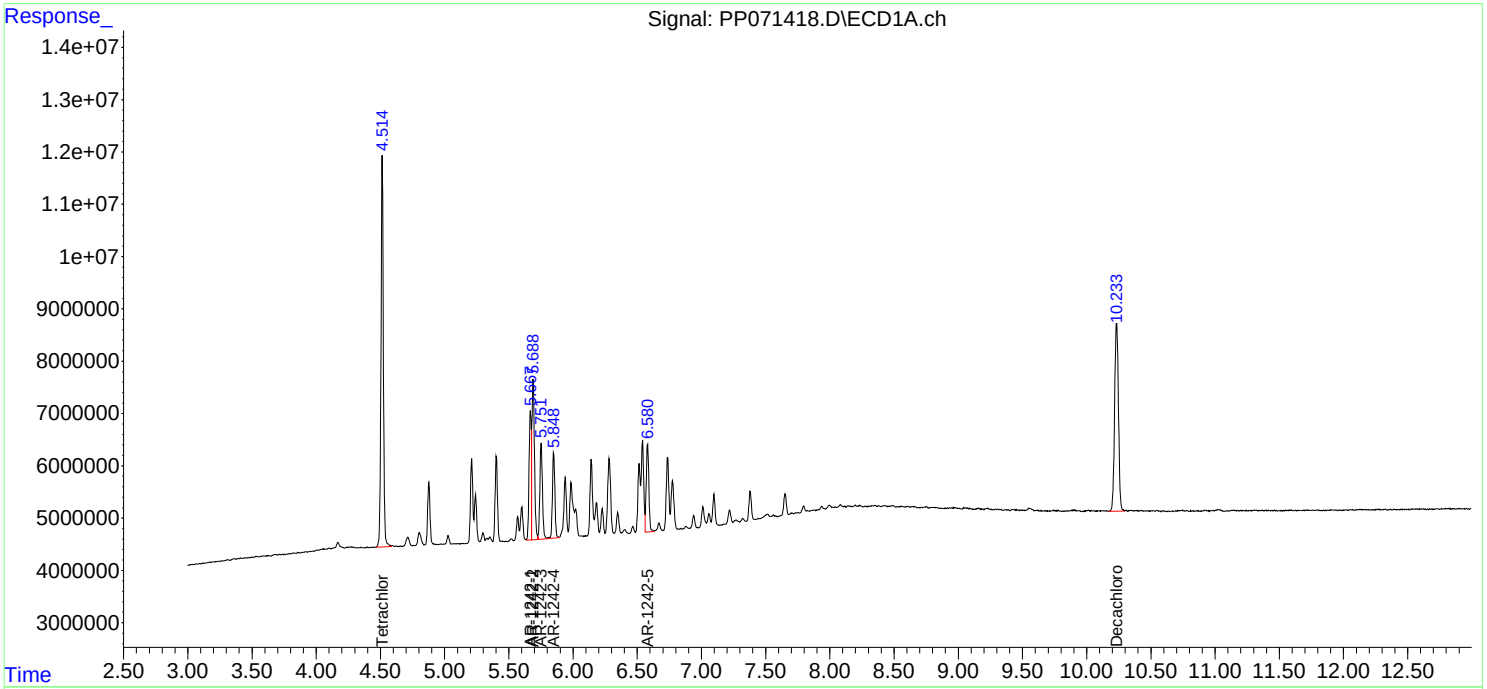
ICAL Form

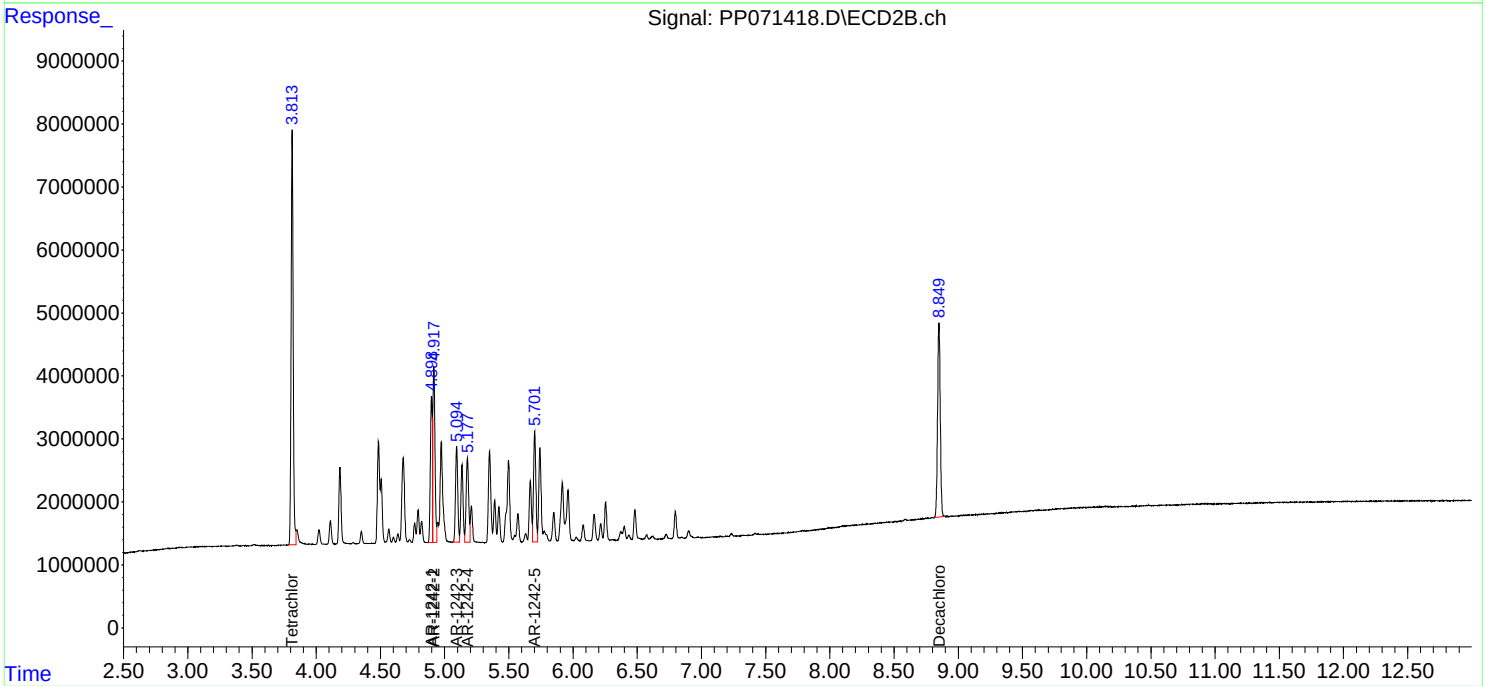
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 18:38
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 02:23:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 02:23:12 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\PP042225\
Data File : PP071419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 19:27
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 07:42:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.514	3.812	98804591	74071948	49.835	52.584
2)	SA Decachlor...	10.234	8.848	74699675	45534064	51.588	51.917
	Target Compounds						
21)	L5 AR-1248-1	5.667	4.897	22002964	19168563	512.425	530.888
22)	L5 AR-1248-2	5.938	5.135	30310191	26184570	501.555	534.789
23)	L5 AR-1248-3	6.141	5.177	34304891	27346403	513.666	535.307
24)	L5 AR-1248-4	6.541	5.349	43159659	31642146	510.096	521.654
25)	L5 AR-1248-5	6.580	5.742	40310718	30029077	507.383	515.159

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

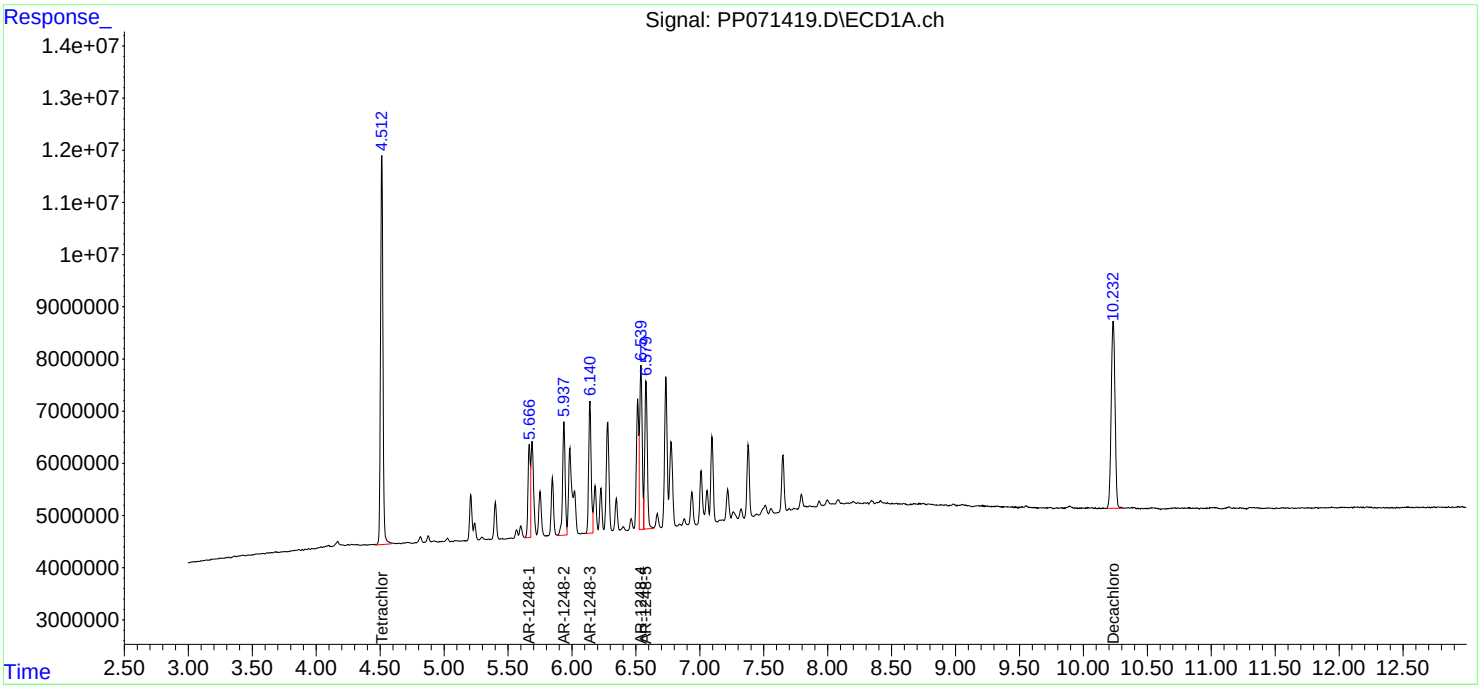
ICAL Form

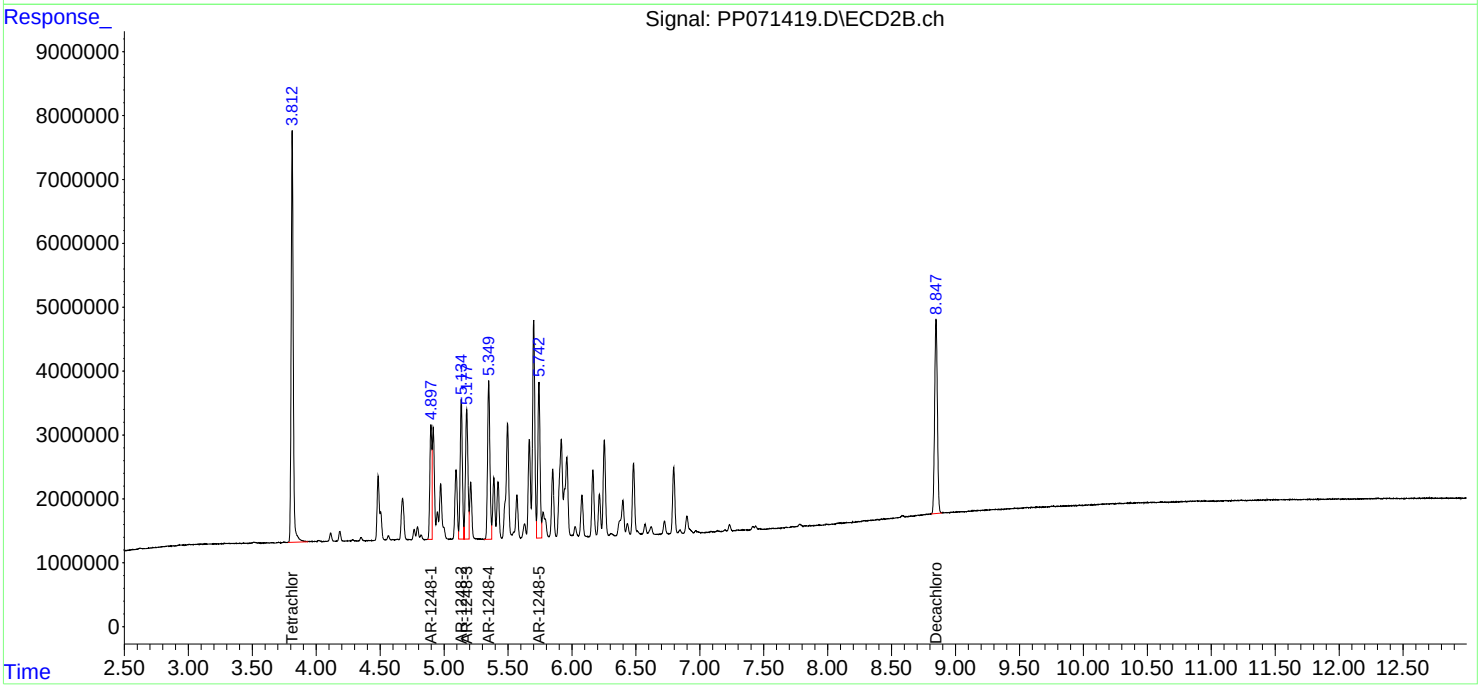
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 19:27
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 07:42:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\PP042225\
Data File : PP071420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 19:43
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 01:28:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 19:27:22 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...	4.513	3.813	98111190	74345146	50.931	50.716
2)	SA Decachlor...	10.232	8.849	73988546	45066273	50.788	50.509
	Target Compounds						
26)	L6 AR-1254-1	6.517	5.702	41728109	42206013	509.183	461.771
27)	L6 AR-1254-2	6.733	5.850	64122746	35938664	504.601	456.583
28)	L6 AR-1254-3	7.097	6.254	64574948	56055056	505.381	473.005
29)	L6 AR-1254-4	7.379	6.482	58986526	36616929	501.956	474.524
30)	L6 AR-1254-5	7.796	6.900	55244441	47442452	512.803	467.562

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

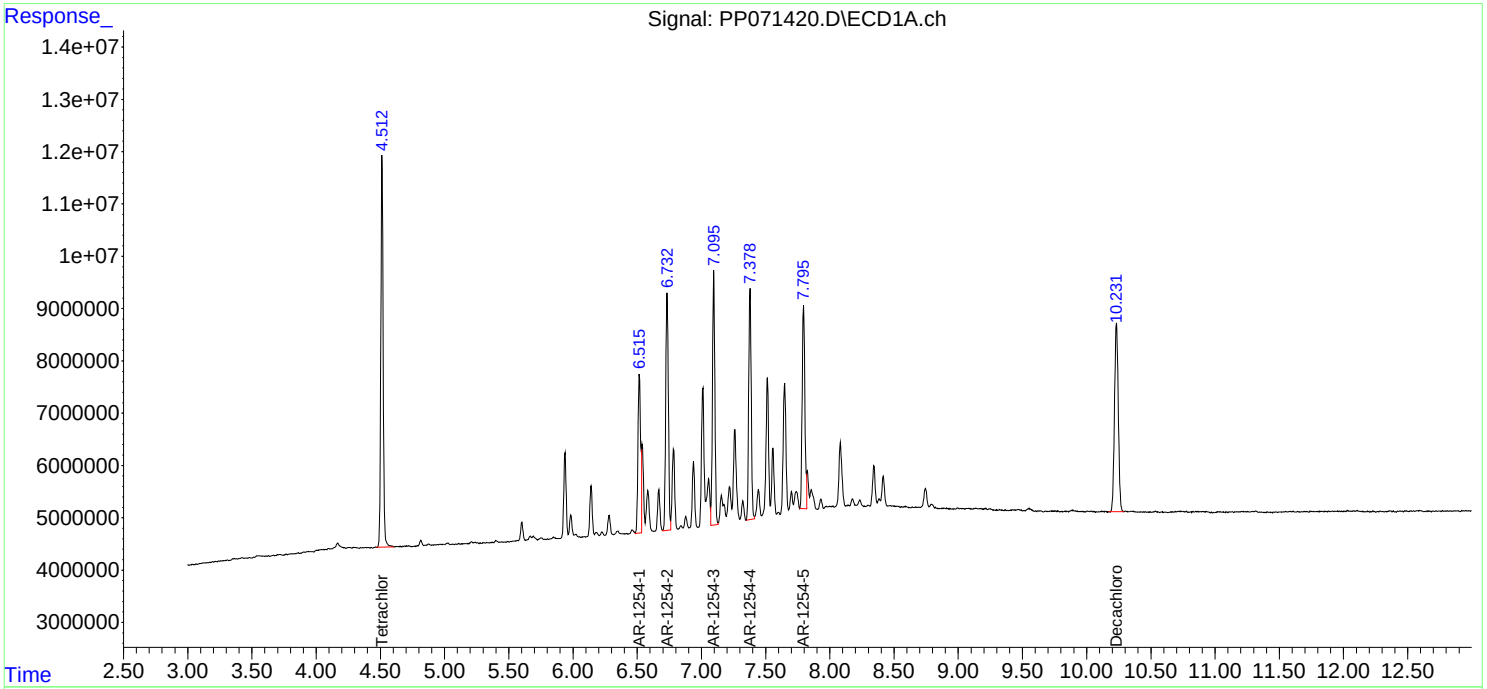
ICAL Form

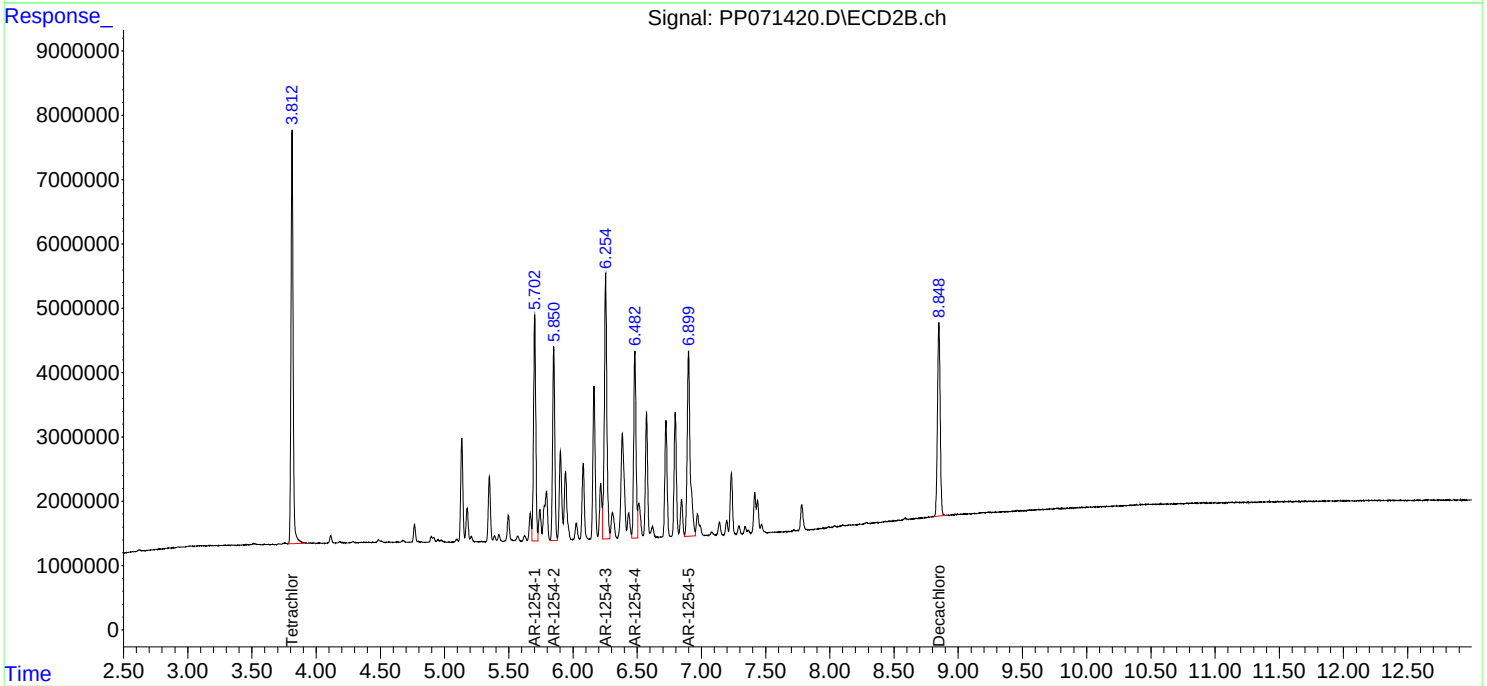
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 19:43
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 01:28:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 19:27:22 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\PP042225\
Data File : PP071421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 20:16
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1268

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:47:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.516	3.814	98428428	75098106	49.661	51.289
2)	SA Decachlor...	10.234	8.850	131.8E6	79464849	49.365	49.579
	Target Compounds						
41)	L9 AR-1268-1	8.733	7.722	157.9E6	98709054	493.783	486.283m
42)	L9 AR-1268-2	8.827	7.788	132.3E6	84218105	493.704	487.500
43)	L9 AR-1268-3	9.058	7.992	112.3E6	69254815	498.379	484.016
44)	L9 AR-1268-4	9.477	8.286	48904008	30724632	493.945	483.689
45)	L9 AR-1268-5	9.894	8.588	309.0E6	189.8E6	497.455	492.818

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 20:16
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

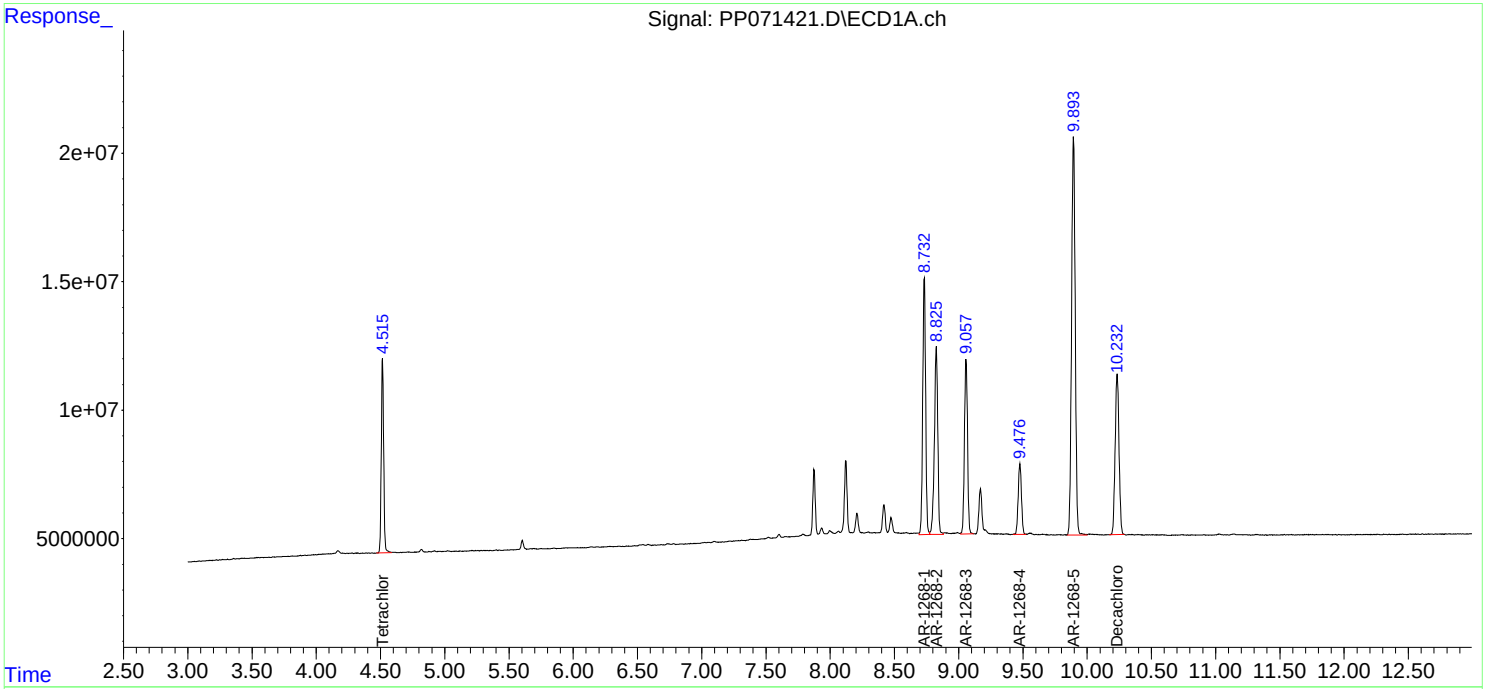
Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1268

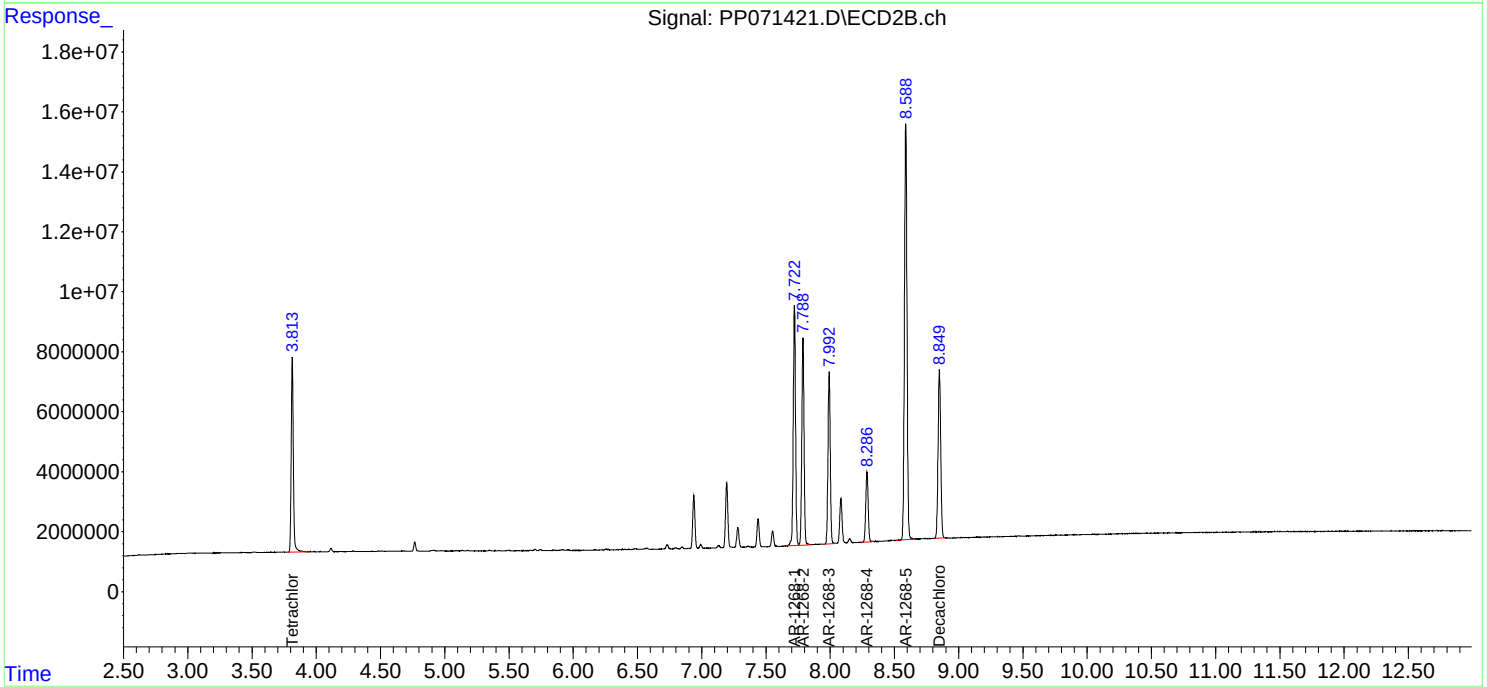
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:47:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: **PO111128.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Continuing Calib Date: 05/16/2025 **Initial Calibration Date(s):** 05/14/2025 05/15/2025

Continuing Calib Time: 09:35 **Initial Calibration Time(s):** 17:19 01:31

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)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.85	4.85	4.75	4.95	0.00
Aroclor-1016-4	(4)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.01
Aroclor-1260-1	(1)	6.27	6.27	6.17	6.37	0.00
Aroclor-1260-2	(2)	6.46	6.46	6.36	6.56	0.01
Aroclor-1260-3	(3)	6.82	6.82	6.72	6.92	0.00
Aroclor-1260-4	(4)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-5	(5)	7.32	7.33	7.23	7.43	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.72	8.72	8.62	8.82	0.00

Raw Data: **PO111128.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Continuing Calib Date: 05/16/2025 **Initial Calibration Date(s):** 05/14/2025 05/15/2025

Continuing Calib Time: 09:35 **Initial Calibration Time(s):** 17:19 01:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-4	(4)	7.05	7.05	6.95	7.15	0.00
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.00
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.67	8.67	8.57	8.77	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/14/2025 05/14/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/16/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111128.D **Time Analyzed:** 09:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.772	4.673	4.873	527.580	500.000	5.5
Aroclor-1016-2	4.791	4.692	4.892	535.920	500.000	7.2
Aroclor-1016-3	4.848	4.749	4.949	538.300	500.000	7.7
Aroclor-1016-4	4.968	4.869	5.069	535.840	500.000	7.2
Aroclor-1016-5	5.225	5.126	5.326	537.020	500.000	7.4
Aroclor-1260-1	6.266	6.166	6.366	532.310	500.000	6.5
Aroclor-1260-2	6.455	6.355	6.555	523.540	500.000	4.7
Aroclor-1260-3	6.822	6.722	6.922	524.950	500.000	5.0
Aroclor-1260-4	7.082	6.983	7.183	523.740	500.000	4.7
Aroclor-1260-5	7.324	7.225	7.425	525.040	500.000	5.0
Decachlorobiphenyl	8.723	8.624	8.824	51.510	50.000	3.0
Tetrachloro-m-xylene	3.682	3.582	3.782	54.040	50.000	8.1

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/14/2025 05/14/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/16/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111128.D **Time Analyzed:** 09:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.758	4.658	4.858	511.230	500.000	2.2
Aroclor-1016-2	4.777	4.677	4.877	513.940	500.000	2.8
Aroclor-1016-3	4.952	4.852	5.052	519.560	500.000	3.9
Aroclor-1016-4	4.994	4.894	5.094	516.210	500.000	3.2
Aroclor-1016-5	5.207	5.107	5.307	515.440	500.000	3.1
Aroclor-1260-1	6.237	6.138	6.338	514.070	500.000	2.8
Aroclor-1260-2	6.426	6.326	6.526	506.270	500.000	1.3
Aroclor-1260-3	6.578	6.479	6.679	485.210	500.000	-3.0
Aroclor-1260-4	7.049	6.949	7.149	502.830	500.000	0.6
Aroclor-1260-5	7.290	7.191	7.391	495.550	500.000	-0.9
Decachlorobiphenyl	8.674	8.574	8.774	49.550	50.000	-0.9
Tetrachloro-m-xylene	3.678	3.579	3.779	52.860	50.000	5.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111128.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 09:35
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 11:23:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.682	3.678	317.9E6	288.2E6	54.040	52.860
2)	SA Decachlor...	8.723	8.674	266.0E6	91666479	51.513	49.546
	Target Compounds						
3)	L1 AR-1016-1	4.772	4.758	118.7E6	97607376	527.578	511.228
4)	L1 AR-1016-2	4.791	4.777	170.9E6	142.4E6	535.918	513.945
5)	L1 AR-1016-3	4.848	4.952	116.9E6	75894490	538.302	519.558
6)	L1 AR-1016-4	4.968	4.994	93315562	61990823	535.840	516.208
7)	L1 AR-1016-5	5.225	5.207	94511556	79584375	537.024	515.442
31)	L7 AR-1260-1	6.266	6.237	162.3E6	128.5E6	532.308	514.073
32)	L7 AR-1260-2	6.455	6.426	200.5E6	149.0E6	523.543	506.266
33)	L7 AR-1260-3	6.822	6.578	183.0E6	139.1E6	524.951	485.214
34)	L7 AR-1260-4	7.082	7.049	146.6E6	101.0E6	523.743	502.835
35)	L7 AR-1260-5	7.324	7.290	378.0E6	227.8E6	525.039	495.545

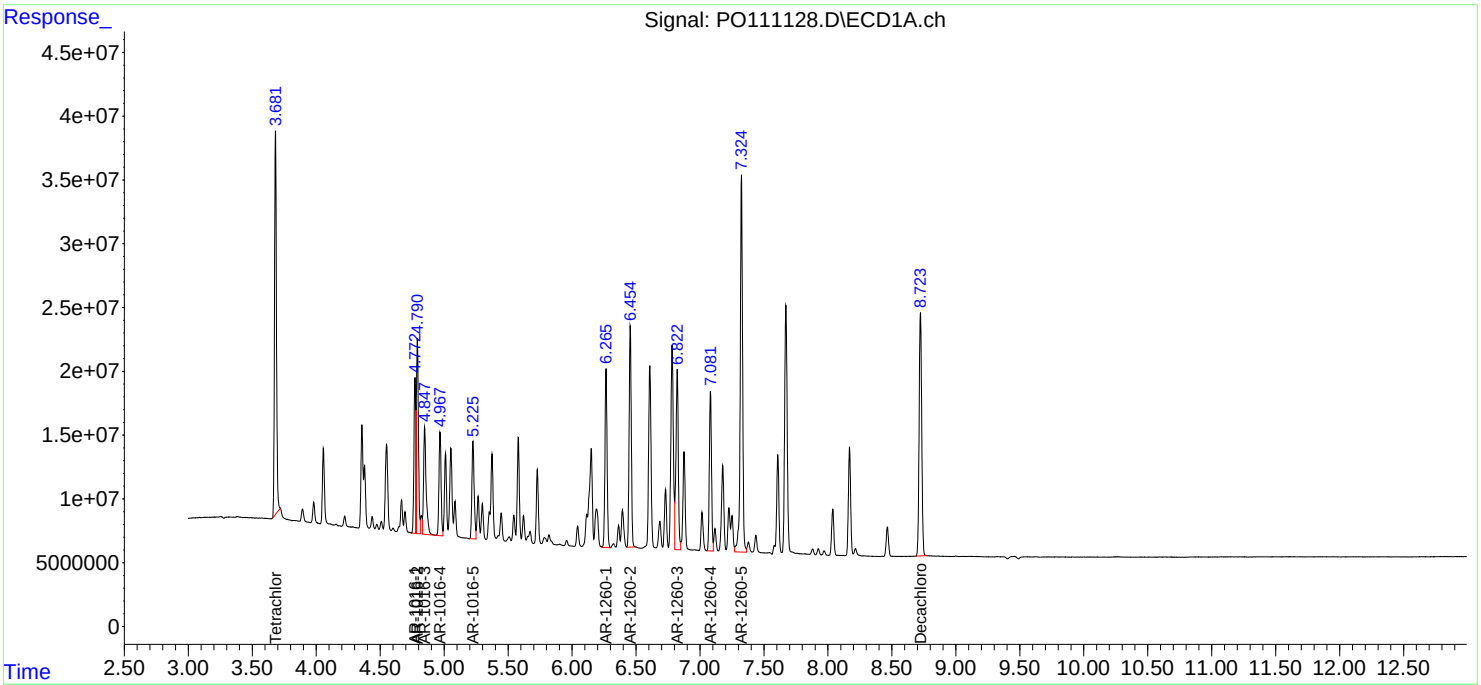
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

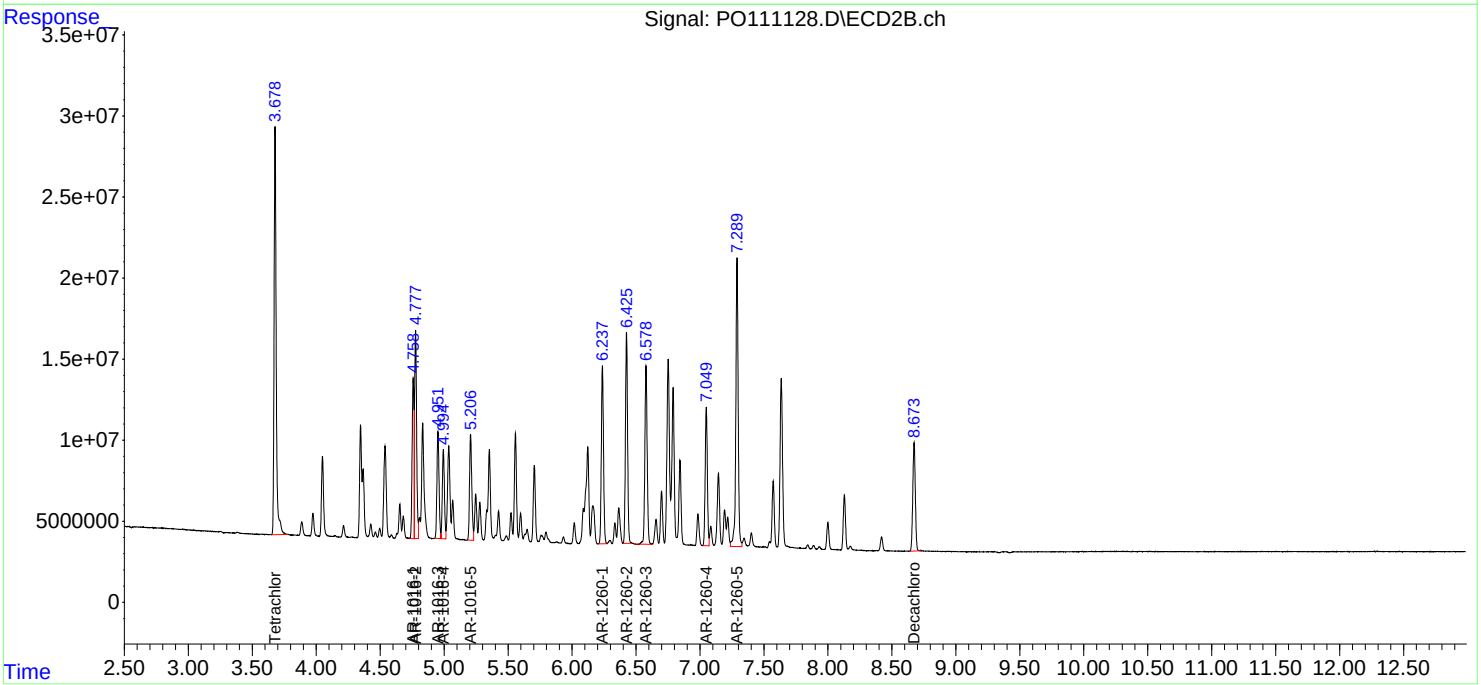
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111128.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 09:35
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 11:23:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: **PO111143.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Continuing Calib Date: 05/16/2025 **Initial Calibration Date(s):** 05/14/2025 05/15/2025

Continuing Calib Time: 16:37 **Initial Calibration Time(s):** 17:19 01:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.85	4.85	4.75	4.95	0.00
Aroclor-1016-4	(4)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-5	(5)	5.22	5.23	5.13	5.33	0.01
Aroclor-1260-1	(1)	6.26	6.27	6.17	6.37	0.01
Aroclor-1260-2	(2)	6.45	6.46	6.36	6.56	0.01
Aroclor-1260-3	(3)	6.82	6.82	6.72	6.92	0.00
Aroclor-1260-4	(4)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-5	(5)	7.32	7.33	7.23	7.43	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.72	8.72	8.62	8.82	0.00

Raw Data: **PO111143.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Continuing Calib Date: 05/16/2025 **Initial Calibration Date(s):** 05/14/2025 05/15/2025

Continuing Calib Time: 16:37 **Initial Calibration Time(s):** 17:19 01:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	5.00	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-4	(4)	7.05	7.05	6.95	7.15	0.00
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.00
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.67	8.67	8.57	8.77	0.00

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/14/2025 05/14/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/16/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111143.D **Time Analyzed:** 16:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.770	4.673	4.873	534.030	500.000	6.8
Aroclor-1016-2	4.789	4.692	4.892	534.550	500.000	6.9
Aroclor-1016-3	4.846	4.749	4.949	545.280	500.000	9.1
Aroclor-1016-4	4.967	4.869	5.069	540.340	500.000	8.1
Aroclor-1016-5	5.224	5.126	5.326	590.050	500.000	18.0
Aroclor-1260-1	6.264	6.166	6.366	533.270	500.000	6.7
Aroclor-1260-2	6.453	6.355	6.555	530.990	500.000	6.2
Aroclor-1260-3	6.820	6.722	6.922	526.430	500.000	5.3
Aroclor-1260-4	7.081	6.983	7.183	525.430	500.000	5.1
Aroclor-1260-5	7.323	7.225	7.425	522.400	500.000	4.5
Decachlorobiphenyl	8.723	8.624	8.824	51.170	50.000	2.3
Tetrachloro-m-xylene	3.680	3.582	3.782	54.280	50.000	8.6

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/14/2025 05/14/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/16/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111143.D **Time Analyzed:** 16:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.758	4.658	4.858	513.460	500.000	2.7
Aroclor-1016-2	4.777	4.677	4.877	519.720	500.000	3.9
Aroclor-1016-3	4.952	4.852	5.052	523.560	500.000	4.7
Aroclor-1016-4	4.995	4.894	5.094	496.360	500.000	-0.7
Aroclor-1016-5	5.207	5.107	5.307	552.900	500.000	10.6
Aroclor-1260-1	6.237	6.138	6.338	518.110	500.000	3.6
Aroclor-1260-2	6.425	6.326	6.526	512.700	500.000	2.5
Aroclor-1260-3	6.578	6.479	6.679	489.250	500.000	-2.2
Aroclor-1260-4	7.048	6.949	7.149	508.400	500.000	1.7
Aroclor-1260-5	7.290	7.191	7.391	503.670	500.000	0.7
Decachlorobiphenyl	8.674	8.574	8.774	50.240	50.000	0.5
Tetrachloro-m-xylene	3.679	3.579	3.779	53.300	50.000	6.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 16:37
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 23:30:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.680	3.679	319.3E6	290.5E6	54.281	53.296
2)	SA Decachlor...	8.723	8.674	264.2E6	92947588	51.174	50.238
	Target Compounds						
3)	L1 AR-1016-1	4.770	4.758	120.2E6	98032952	534.025	513.457
4)	L1 AR-1016-2	4.789	4.777	170.5E6	144.0E6	534.546	519.718
5)	L1 AR-1016-3	4.846	4.952	118.4E6	76479590	545.284	523.564
6)	L1 AR-1016-4	4.967	4.995	94098666	59607730	540.337	496.364
7)	L1 AR-1016-5	5.224	5.207	103.8E6	85367692	590.049	552.898
31)	L7 AR-1260-1	6.264	6.237	162.6E6	129.5E6	533.274	518.110
32)	L7 AR-1260-2	6.453	6.425	203.3E6	150.9E6	530.993	512.700
33)	L7 AR-1260-3	6.820	6.578	183.5E6	140.3E6	526.425	489.247
34)	L7 AR-1260-4	7.081	7.048	147.1E6	102.1E6	525.429	508.400
35)	L7 AR-1260-5	7.323	7.290	376.1E6	231.5E6	522.398	503.667

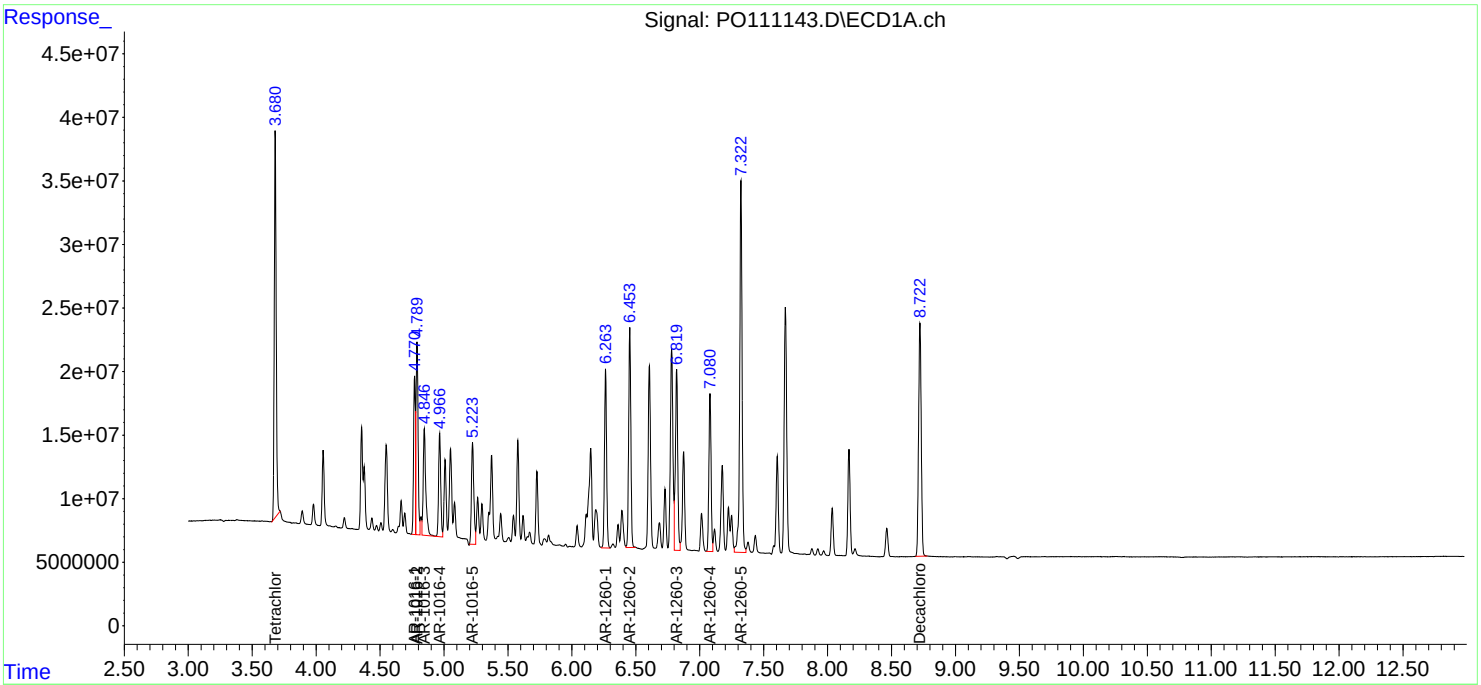
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

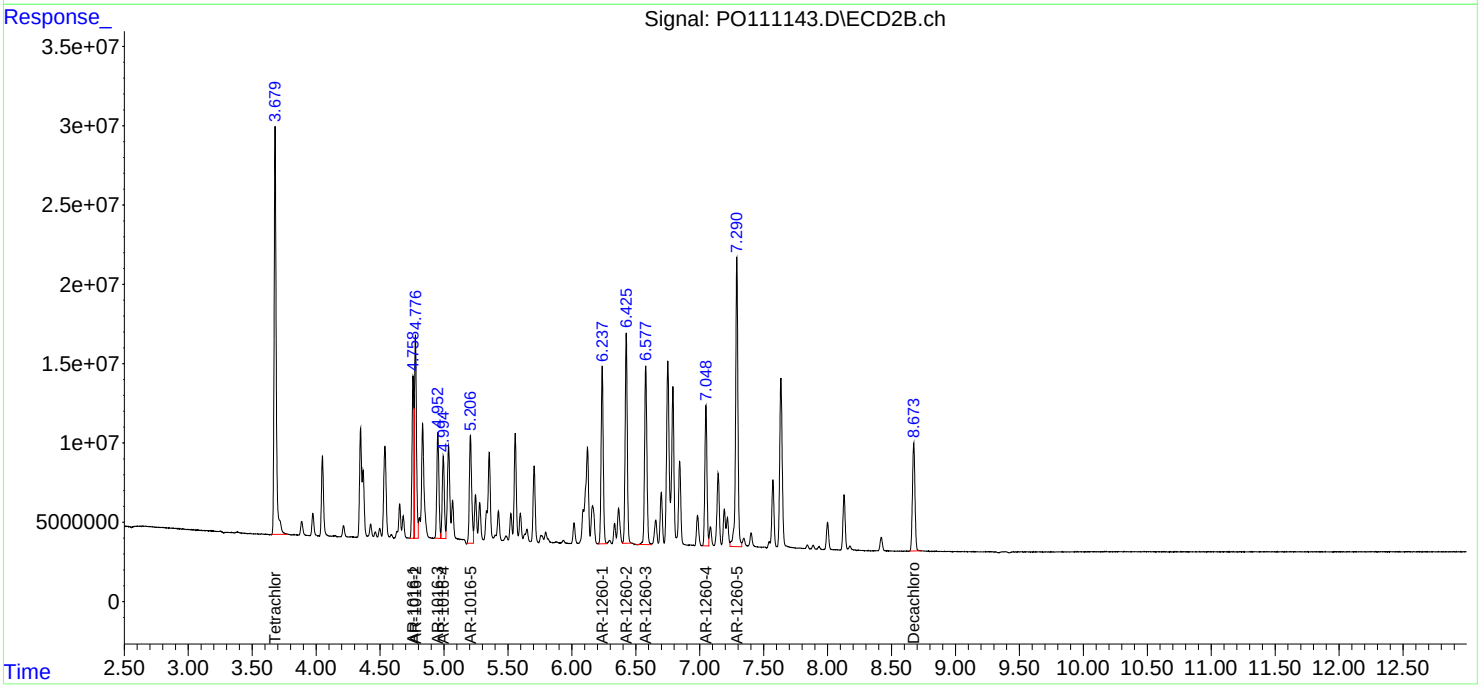
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 16:37
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 23:30:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: **PO111157.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Continuing Calib Date: 05/16/2025 **Initial Calibration Date(s):** 05/14/2025 05/15/2025

Continuing Calib Time: 21:44 **Initial Calibration Time(s):** 17:19 01:31

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)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.85	4.85	4.75	4.95	0.00
Aroclor-1016-4	(4)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.27	6.27	6.17	6.37	0.00
Aroclor-1260-2	(2)	6.46	6.46	6.36	6.56	0.00
Aroclor-1260-3	(3)	6.82	6.82	6.72	6.92	0.00
Aroclor-1260-4	(4)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-5	(5)	7.33	7.33	7.23	7.43	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.73	8.72	8.62	8.82	-0.01

Raw Data: **PO111157.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Continuing Calib Date: 05/16/2025 **Initial Calibration Date(s):** 05/14/2025 05/15/2025

Continuing Calib Time: 21:44 **Initial Calibration Time(s):** 17:19 01:31

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)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	5.00	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-4	(4)	7.05	7.05	6.95	7.15	0.00
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.00
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.67	8.67	8.57	8.77	0.00

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/14/2025 05/14/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/16/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111157.D **Time Analyzed:** 21:44

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.774	4.673	4.873	530.930	500.000	6.2
Aroclor-1016-2	4.792	4.692	4.892	531.560	500.000	6.3
Aroclor-1016-3	4.849	4.749	4.949	541.180	500.000	8.2
Aroclor-1016-4	4.969	4.869	5.069	536.130	500.000	7.2
Aroclor-1016-5	5.226	5.126	5.326	542.010	500.000	8.4
Aroclor-1260-1	6.266	6.166	6.366	518.080	500.000	3.6
Aroclor-1260-2	6.456	6.355	6.555	512.350	500.000	2.5
Aroclor-1260-3	6.823	6.722	6.922	498.480	500.000	-0.3
Aroclor-1260-4	7.082	6.983	7.183	512.240	500.000	2.4
Aroclor-1260-5	7.325	7.225	7.425	508.410	500.000	1.7
Decachlorobiphenyl	8.725	8.624	8.824	48.060	50.000	-3.9
Tetrachloro-m-xylene	3.683	3.582	3.782	53.720	50.000	7.4

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/14/2025 05/14/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/16/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111157.D **Time Analyzed:** 21:44

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.759	4.658	4.858	510.060	500.000	2.0
Aroclor-1016-2	4.778	4.677	4.877	513.910	500.000	2.8
Aroclor-1016-3	4.953	4.852	5.052	519.360	500.000	3.9
Aroclor-1016-4	4.995	4.894	5.094	483.150	500.000	-3.4
Aroclor-1016-5	5.208	5.107	5.307	514.660	500.000	2.9
Aroclor-1260-1	6.239	6.138	6.338	509.330	500.000	1.9
Aroclor-1260-2	6.426	6.326	6.526	503.580	500.000	0.7
Aroclor-1260-3	6.579	6.479	6.679	478.580	500.000	-4.3
Aroclor-1260-4	7.050	6.949	7.149	496.550	500.000	-0.7
Aroclor-1260-5	7.291	7.191	7.391	491.760	500.000	-1.6
Decachlorobiphenyl	8.674	8.574	8.774	48.780	50.000	-2.4
Tetrachloro-m-xylene	3.679	3.579	3.779	52.840	50.000	5.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111157.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 21:44
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 23:34:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.683	3.679	316.1E6	288.0E6	53.723	52.836
2)	SA Decachlor...	8.725	8.674	248.1E6	90257240	48.056	48.784
	Target Compounds						
3)	L1 AR-1016-1	4.774	4.759	119.5E6	97385225	530.931	510.064
4)	L1 AR-1016-2	4.792	4.778	169.5E6	142.4E6	531.558	513.913
5)	L1 AR-1016-3	4.849	4.953	117.5E6	75865289	541.184	519.358
6)	L1 AR-1016-4	4.969	4.995	93366410	58021473	536.132	483.155
7)	L1 AR-1016-5	5.226	5.208	95389304	79463218	542.011m	514.657m
31)	L7 AR-1260-1	6.266	6.239	158.0E6	127.3E6	518.084	509.330
32)	L7 AR-1260-2	6.456	6.426	196.2E6	148.2E6	512.352	503.581
33)	L7 AR-1260-3	6.823	6.579	173.8E6	137.2E6	498.481	478.583
34)	L7 AR-1260-4	7.082	7.050	143.4E6	99688915	512.241	496.549
35)	L7 AR-1260-5	7.325	7.291	366.0E6	226.0E6	508.412	491.756

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111157.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 21:44
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

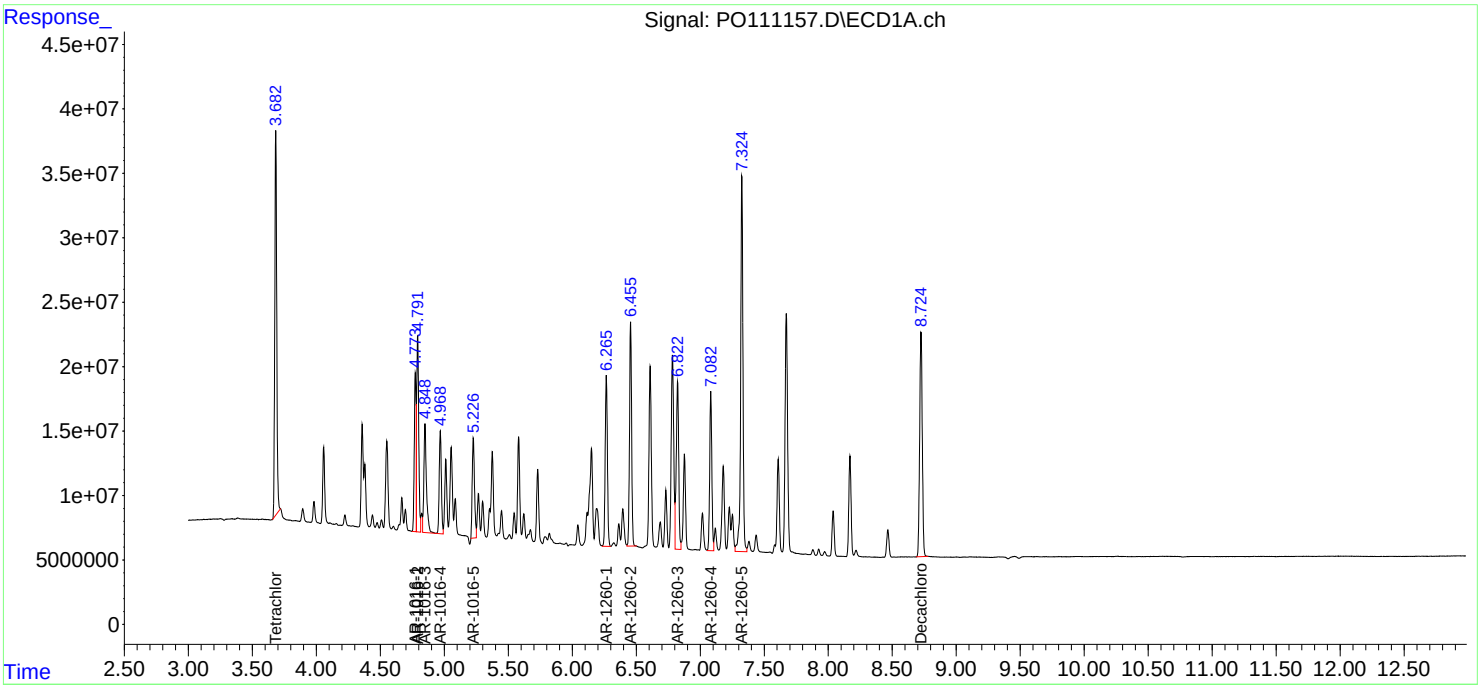
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

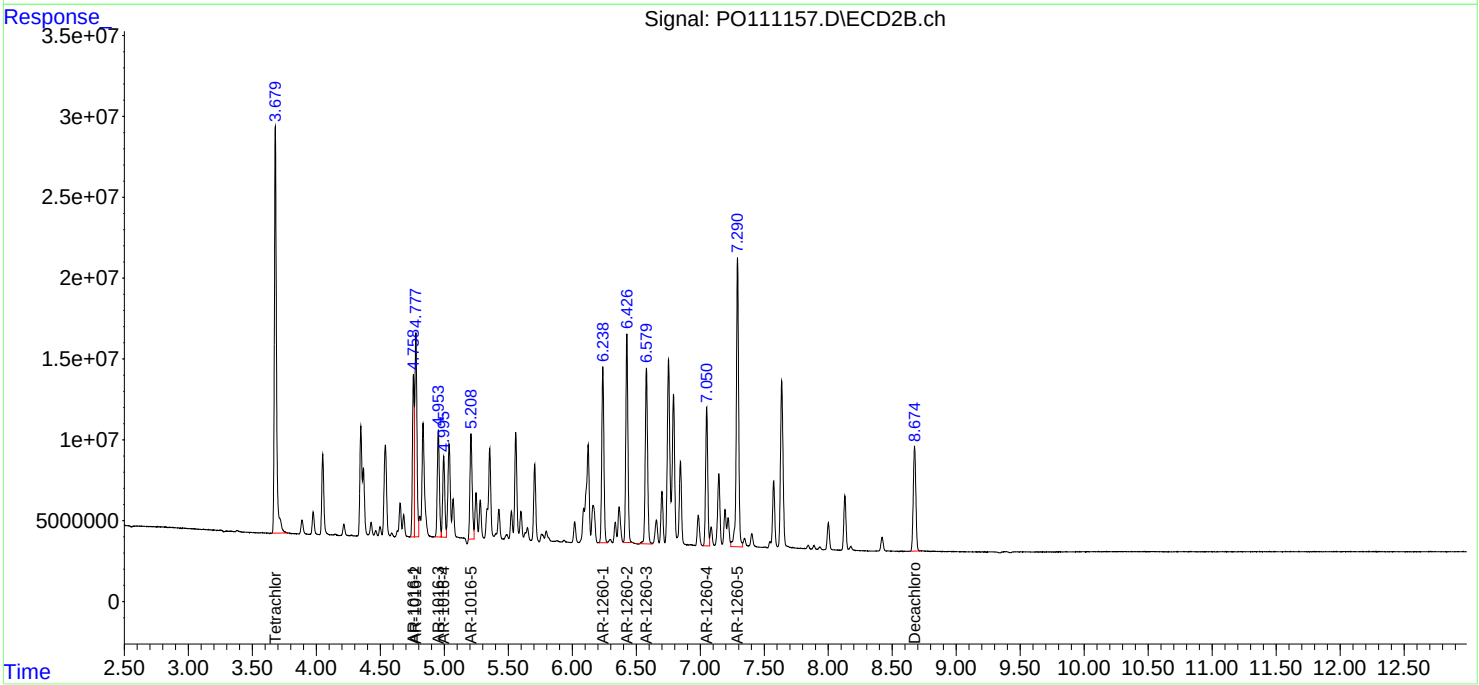
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 23:34:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: **PP072076.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 04:05 **Initial Calibration Time(s):** 10:29 17:49

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)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-2	(2)	5.68	5.69	5.59	5.79	0.01
Aroclor-1016-3	(3)	5.74	5.75	5.65	5.85	0.01
Aroclor-1016-4	(4)	5.84	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.13	6.15	6.05	6.25	0.02
Aroclor-1260-1	(1)	7.25	7.27	7.17	7.37	0.02
Aroclor-1260-2	(2)	7.50	7.52	7.42	7.62	0.02
Aroclor-1260-3	(3)	7.86	7.88	7.78	7.98	0.02
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.41	8.42	8.32	8.52	0.02
Tetrachloro-m-xylene		4.50	4.52	4.42	4.62	0.02
Decachlorobiphenyl		10.21	10.24	10.14	10.34	0.03

Raw Data: **PP072076.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 04:05 **Initial Calibration Time(s):** 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.88	4.90	4.80	5.00	0.02
Aroclor-1016-2	(2)	4.90	4.92	4.82	5.02	0.02
Aroclor-1016-3	(3)	5.08	5.09	4.99	5.19	0.01
Aroclor-1016-4	(4)	5.12	5.14	5.04	5.24	0.02
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.37	6.39	6.29	6.49	0.02
Aroclor-1260-2	(2)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-3	(3)	6.71	6.73	6.63	6.83	0.02
Aroclor-1260-4	(4)	7.18	7.20	7.10	7.30	0.02
Aroclor-1260-5	(5)	7.42	7.44	7.34	7.54	0.02
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.83	8.85	8.75	8.95	0.02

Raw Data: **PP072076.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/15/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072076.D **Time Analyzed:** 04:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.656	5.571	5.771	435.980	500.000	-12.8
Aroclor-1016-2	5.678	5.593	5.793	497.580	500.000	-0.5
Aroclor-1016-3	5.741	5.654	5.854	498.750	500.000	-0.3
Aroclor-1016-4	5.838	5.752	5.952	490.730	500.000	-1.9
Aroclor-1016-5	6.129	6.045	6.245	483.490	500.000	-3.3
Aroclor-1260-1	7.249	7.165	7.365	482.510	500.000	-3.5
Aroclor-1260-2	7.503	7.418	7.618	481.610	500.000	-3.7
Aroclor-1260-3	7.861	7.777	7.977	497.180	500.000	-0.6
Aroclor-1260-4	8.086	8.002	8.202	475.890	500.000	-4.8
Aroclor-1260-5	8.405	8.322	8.522	506.250	500.000	1.3
Decachlorobiphenyl	10.213	10.137	10.337	52.590	50.000	5.2
Tetrachloro-m-xylene	4.504	4.417	4.617	49.550	50.000	-0.9

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/15/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072076.D **Time Analyzed:** 04:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.884	4.798	4.998	550.030	500.000	10.0
Aroclor-1016-2	4.902	4.816	5.016	517.740	500.000	3.5
Aroclor-1016-3	5.079	4.993	5.193	530.110	500.000	6.0
Aroclor-1016-4	5.121	5.036	5.236	495.050	500.000	-1.0
Aroclor-1016-5	5.335	5.250	5.450	533.270	500.000	6.7
Aroclor-1260-1	6.368	6.285	6.485	547.160	500.000	9.4
Aroclor-1260-2	6.557	6.473	6.673	549.140	500.000	9.8
Aroclor-1260-3	6.710	6.627	6.827	544.890	500.000	9.0
Aroclor-1260-4	7.180	7.098	7.298	562.890	500.000	12.6
Aroclor-1260-5	7.422	7.339	7.539	557.850	500.000	11.6
Decachlorobiphenyl	8.826	8.749	8.949	56.210	50.000	12.4
Tetrachloro-m-xylene	3.801	3.712	3.912	52.980	50.000	6.0

Sample Results: **PP072076.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072076.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 04:05
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:33:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.504	3.801	98232592	74632414	49.546	52.982m
2)	SA Decachlor...	10.213	8.826	76147279	49297981	52.588	56.209m
	Target Compounds						
3)	L1 AR-1016-1	5.656	4.884	29232579	29445208	435.983m	550.033m#
4)	L1 AR-1016-2	5.678	4.902	51065295	39536725	497.575m	517.742m
5)	L1 AR-1016-3	5.741	5.079	30746257	22376312	498.746	530.114m
6)	L1 AR-1016-4	5.838	5.121	25173526	17072167	490.730	495.047
7)	L1 AR-1016-5	6.129	5.335	23322539	23702411	483.485m	533.270
31)	L7 AR-1260-1	7.249	6.368	46333177	39559015	482.514	547.157
32)	L7 AR-1260-2	7.503	6.557	68907153	48028262	481.608	549.137
33)	L7 AR-1260-3	7.861	6.710	55735589	42712605	497.177	544.890
34)	L7 AR-1260-4	8.086	7.180	53710725	35524594	475.885	562.894
35)	L7 AR-1260-5	8.405	7.422	114.7E6	84111823	506.250	557.855

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072076.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 04:05
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

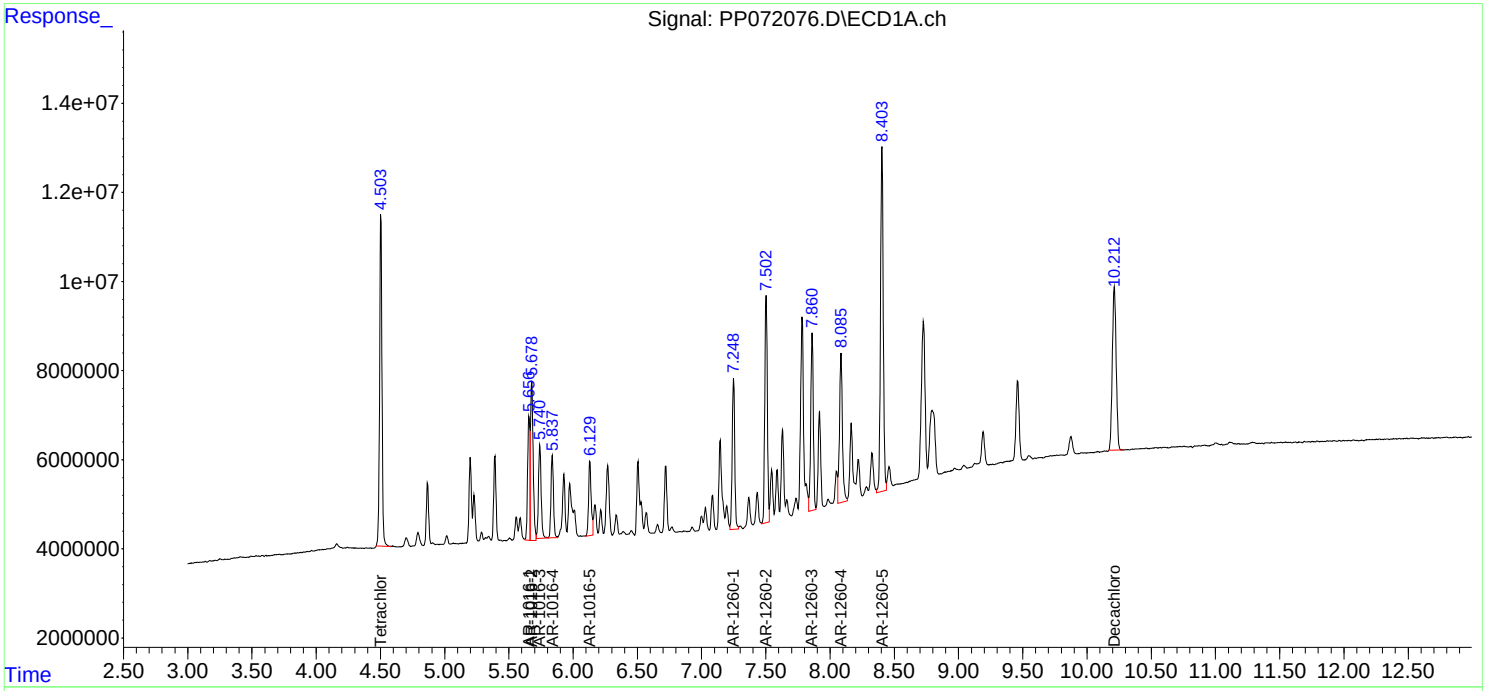
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

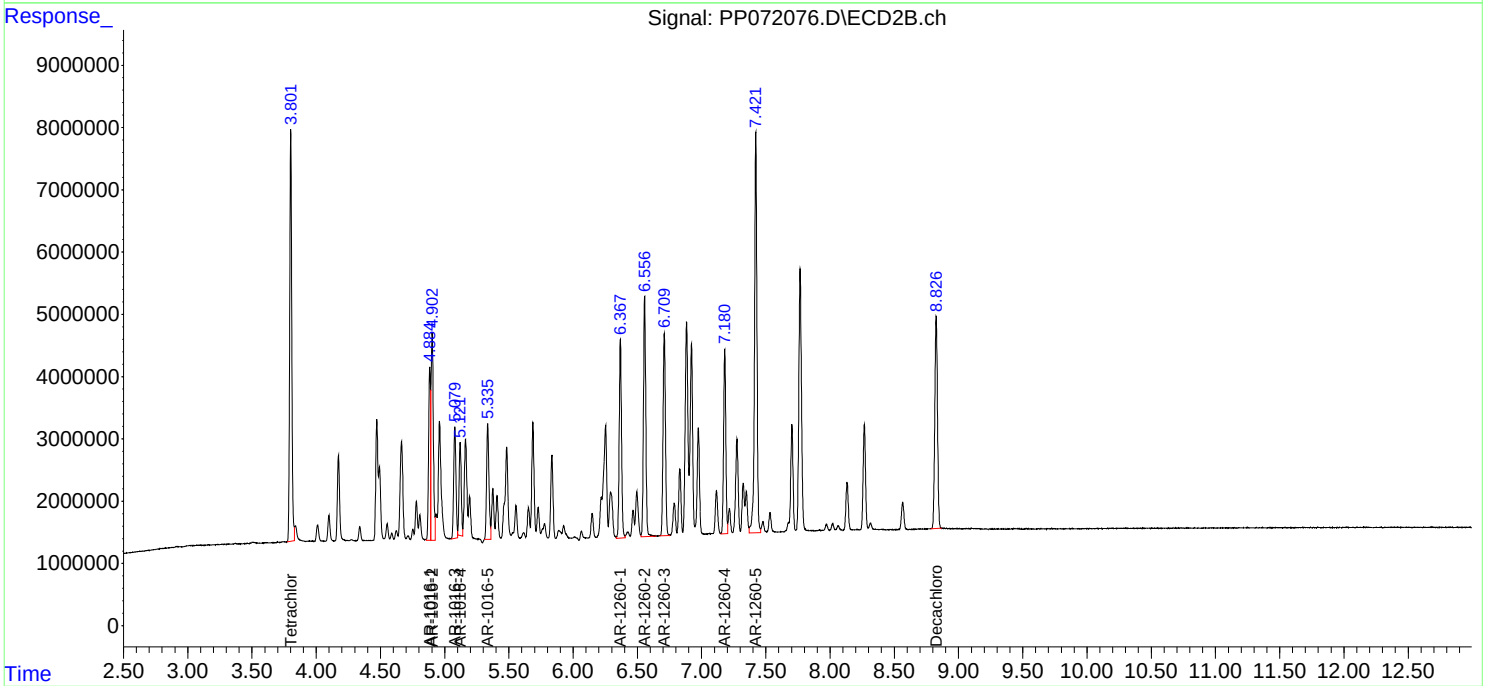
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:33:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: **PP072091.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 09:15 **Initial Calibration Time(s):** 10:29 17:49

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)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-2	(2)	5.68	5.69	5.59	5.79	0.01
Aroclor-1016-3	(3)	5.74	5.75	5.65	5.85	0.01
Aroclor-1016-4	(4)	5.84	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.13	6.15	6.05	6.25	0.02
Aroclor-1260-1	(1)	7.25	7.27	7.17	7.37	0.02
Aroclor-1260-2	(2)	7.50	7.52	7.42	7.62	0.02
Aroclor-1260-3	(3)	7.86	7.88	7.78	7.98	0.02
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.40	8.42	8.32	8.52	0.02
Tetrachloro-m-xylene		4.50	4.52	4.42	4.62	0.02
Decachlorobiphenyl		10.21	10.24	10.14	10.34	0.03

Raw Data: **PP072091.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 09:15 **Initial Calibration Time(s):** 10:29 17:49

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)	4.88	4.90	4.80	5.00	0.02
Aroclor-1016-2	(2)	4.90	4.92	4.82	5.02	0.02
Aroclor-1016-3	(3)	5.08	5.09	4.99	5.19	0.01
Aroclor-1016-4	(4)	5.12	5.14	5.04	5.24	0.02
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.37	6.39	6.29	6.49	0.02
Aroclor-1260-2	(2)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-3	(3)	6.71	6.73	6.63	6.83	0.02
Aroclor-1260-4	(4)	7.18	7.20	7.10	7.30	0.02
Aroclor-1260-5	(5)	7.42	7.44	7.34	7.54	0.02
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.82	8.85	8.75	8.95	0.03

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/15/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072091.D **Time Analyzed:** 09:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.656	5.571	5.771	450.250	500.000	-10.0
Aroclor-1016-2	5.678	5.593	5.793	483.560	500.000	-3.3
Aroclor-1016-3	5.741	5.654	5.854	493.590	500.000	-1.3
Aroclor-1016-4	5.839	5.752	5.952	490.260	500.000	-1.9
Aroclor-1016-5	6.130	6.045	6.245	456.190	500.000	-8.8
Aroclor-1260-1	7.249	7.165	7.365	469.730	500.000	-6.1
Aroclor-1260-2	7.503	7.418	7.618	460.660	500.000	-7.9
Aroclor-1260-3	7.861	7.777	7.977	473.220	500.000	-5.4
Aroclor-1260-4	8.086	8.002	8.202	445.780	500.000	-10.8
Aroclor-1260-5	8.404	8.322	8.522	501.640	500.000	0.3
Decachlorobiphenyl	10.213	10.137	10.337	51.770	50.000	3.5
Tetrachloro-m-xylene	4.504	4.417	4.617	50.390	50.000	0.8

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/15/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072091.D **Time Analyzed:** 09:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.884	4.798	4.998	555.850	500.000	11.2
Aroclor-1016-2	4.902	4.816	5.016	530.340	500.000	6.1
Aroclor-1016-3	5.079	4.993	5.193	490.540	500.000	-1.9
Aroclor-1016-4	5.121	5.036	5.236	494.300	500.000	-1.1
Aroclor-1016-5	5.335	5.250	5.450	532.270	500.000	6.5
Aroclor-1260-1	6.368	6.285	6.485	539.150	500.000	7.8
Aroclor-1260-2	6.556	6.473	6.673	518.460	500.000	3.7
Aroclor-1260-3	6.709	6.627	6.827	506.420	500.000	1.3
Aroclor-1260-4	7.179	7.098	7.298	525.790	500.000	5.2
Aroclor-1260-5	7.421	7.339	7.539	510.340	500.000	2.1
Decachlorobiphenyl	8.823	8.749	8.949	54.320	50.000	8.6
Tetrachloro-m-xylene	3.801	3.712	3.912	52.660	50.000	5.3

Sample Results: **PP072091.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072091.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 09:15
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 09:37:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.504	3.801	99895442	74180871	50.385	52.661m
2)	SA Decachlor...	10.213	8.823	74957690	47644189	51.766	54.323m
	Target Compounds						
3)	L1 AR-1016-1	5.656	4.884	30188896	29756525	450.246m	555.848m
4)	L1 AR-1016-2	5.678	4.902	49627287	40499076	483.563m	530.345m
5)	L1 AR-1016-3	5.741	5.079	30428231	20705781	493.587	490.537
6)	L1 AR-1016-4	5.839	5.121	25149441	17046520	490.260	494.304
7)	L1 AR-1016-5	6.130	5.335	22005903	23657873	456.191	532.268
31)	L7 AR-1260-1	7.249	6.368	45105693	38980393	469.731	539.154
32)	L7 AR-1260-2	7.503	6.556	65909592	45345401	460.657	518.462
33)	L7 AR-1260-3	7.861	6.709	53049663	39696650	473.218	506.415
34)	L7 AR-1260-4	8.086	7.179	50313067	33182704	445.782	525.786m
35)	L7 AR-1260-5	8.404	7.421	113.7E6	76948359	501.643	510.344

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072091.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 09:15
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

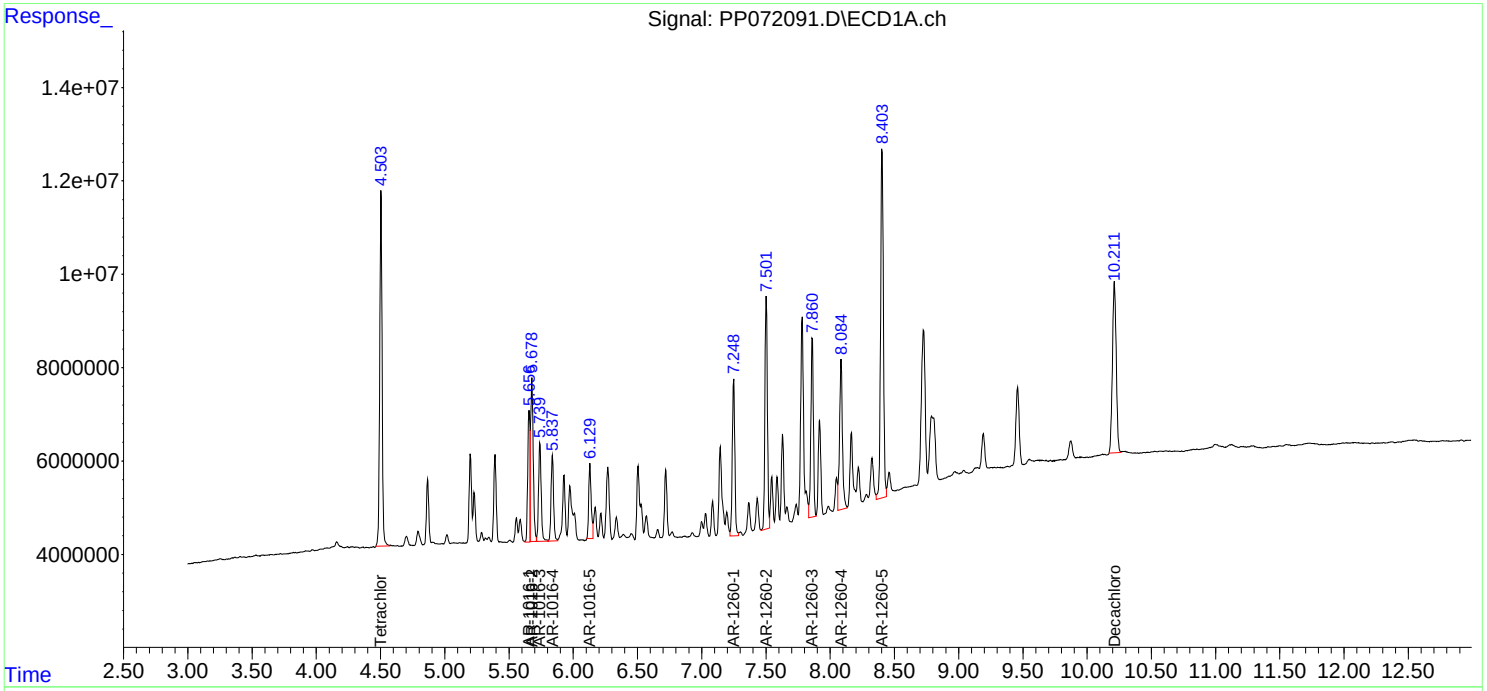
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

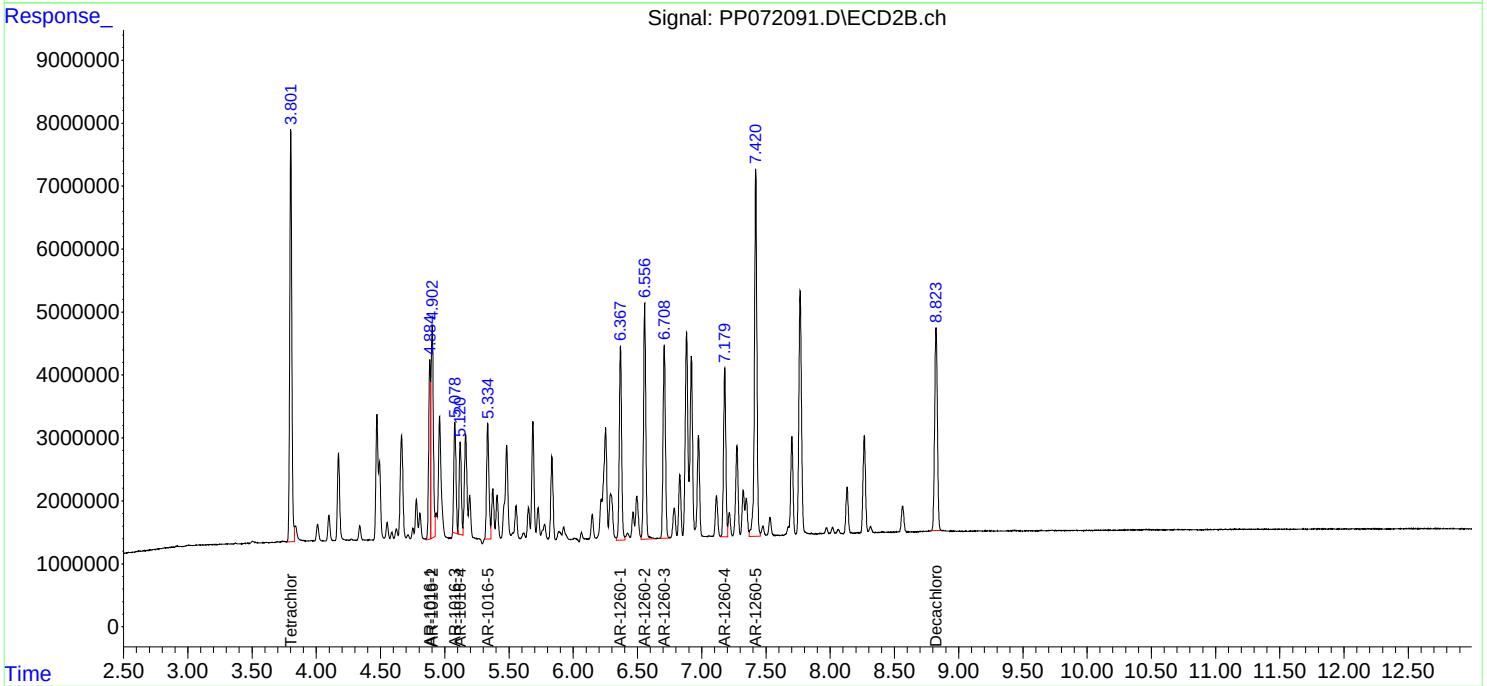
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 09:37:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: **PP072097.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 11:28 **Initial Calibration Time(s):** 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-2	(2)	5.68	5.69	5.59	5.79	0.01
Aroclor-1016-3	(3)	5.74	5.75	5.65	5.85	0.01
Aroclor-1016-4	(4)	5.84	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.13	6.15	6.05	6.25	0.02
Aroclor-1260-1	(1)	7.25	7.27	7.17	7.37	0.02
Aroclor-1260-2	(2)	7.50	7.52	7.42	7.62	0.02
Aroclor-1260-3	(3)	7.86	7.88	7.78	7.98	0.02
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.41	8.42	8.32	8.52	0.01
Tetrachloro-m-xylene		4.51	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.22	10.24	10.14	10.34	0.02

Raw Data: **PP072097.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 11:28 **Initial Calibration Time(s):** 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.88	4.90	4.80	5.00	0.02
Aroclor-1016-2	(2)	4.90	4.92	4.82	5.02	0.02
Aroclor-1016-3	(3)	5.08	5.09	4.99	5.19	0.01
Aroclor-1016-4	(4)	5.12	5.14	5.04	5.24	0.02
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.37	6.39	6.29	6.49	0.02
Aroclor-1260-2	(2)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-3	(3)	6.71	6.73	6.63	6.83	0.02
Aroclor-1260-4	(4)	7.18	7.20	7.10	7.30	0.02
Aroclor-1260-5	(5)	7.42	7.44	7.34	7.54	0.02
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.83	8.85	8.75	8.95	0.02

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL06 **Date Analyzed:** 05/15/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072097.D **Time Analyzed:** 11:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.656	5.571	5.771	567.640	500.000	13.5
Aroclor-1016-2	5.680	5.593	5.793	504.310	500.000	0.9
Aroclor-1016-3	5.742	5.654	5.854	510.590	500.000	2.1
Aroclor-1016-4	5.839	5.752	5.952	508.830	500.000	1.8
Aroclor-1016-5	6.131	6.045	6.245	488.170	500.000	-2.4
Aroclor-1260-1	7.250	7.165	7.365	484.490	500.000	-3.1
Aroclor-1260-2	7.504	7.418	7.618	486.730	500.000	-2.7
Aroclor-1260-3	7.862	7.777	7.977	495.800	500.000	-0.8
Aroclor-1260-4	8.086	8.002	8.202	471.770	500.000	-5.6
Aroclor-1260-5	8.406	8.322	8.522	502.310	500.000	0.5
Decachlorobiphenyl	10.215	10.137	10.337	52.810	50.000	5.6
Tetrachloro-m-xylene	4.505	4.417	4.617	51.030	50.000	2.1

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL06 **Date Analyzed:** 05/15/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072097.D **Time Analyzed:** 11:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.884	4.798	4.998	545.360	500.000	9.1
Aroclor-1016-2	4.903	4.816	5.016	531.600	500.000	6.3
Aroclor-1016-3	5.079	4.993	5.193	552.240	500.000	10.4
Aroclor-1016-4	5.120	5.036	5.236	543.190	500.000	8.6
Aroclor-1016-5	5.335	5.250	5.450	550.020	500.000	10.0
Aroclor-1260-1	6.368	6.285	6.485	555.360	500.000	11.1
Aroclor-1260-2	6.557	6.473	6.673	550.400	500.000	10.1
Aroclor-1260-3	6.710	6.627	6.827	540.520	500.000	8.1
Aroclor-1260-4	7.180	7.098	7.298	551.470	500.000	10.3
Aroclor-1260-5	7.421	7.339	7.539	543.640	500.000	8.7
Decachlorobiphenyl	8.826	8.749	8.949	57.150	50.000	14.3
Tetrachloro-m-xylene	3.801	3.712	3.912	57.660	50.000	15.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051525\
Data File : PP072097.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 11:28
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 12:50:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.505	3.801	101.2E6	81218303	51.033	57.657m
2)	SA Decachlor...	10.215	8.826	76462451	50123603	52.805	57.150m
	Target Compounds						
3)	L1 AR-1016-1	5.656	4.884	38059945	29195113	567.637m	545.361m
4)	L1 AR-1016-2	5.680	4.903	51756967	40594667	504.315	531.596m
5)	L1 AR-1016-3	5.742	5.079	31476417	23310309	510.590	552.241m
6)	L1 AR-1016-4	5.839	5.120	26101945	18732522	508.828	543.193m
7)	L1 AR-1016-5	6.131	5.335	23548677	24446782	488.173	550.017
31)	L7 AR-1260-1	7.250	6.368	46522597	40152105	484.486	555.360
32)	L7 AR-1260-2	7.504	6.557	69639684	48138376	486.727	550.396
33)	L7 AR-1260-3	7.862	6.710	55581300	42369686	495.801	540.515
34)	L7 AR-1260-4	8.086	7.180	53246385	34803327	471.771	551.466
35)	L7 AR-1260-5	8.406	7.421	113.8E6	81969027	502.305	543.643

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051525\
Data File : PP072097.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 11:28
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

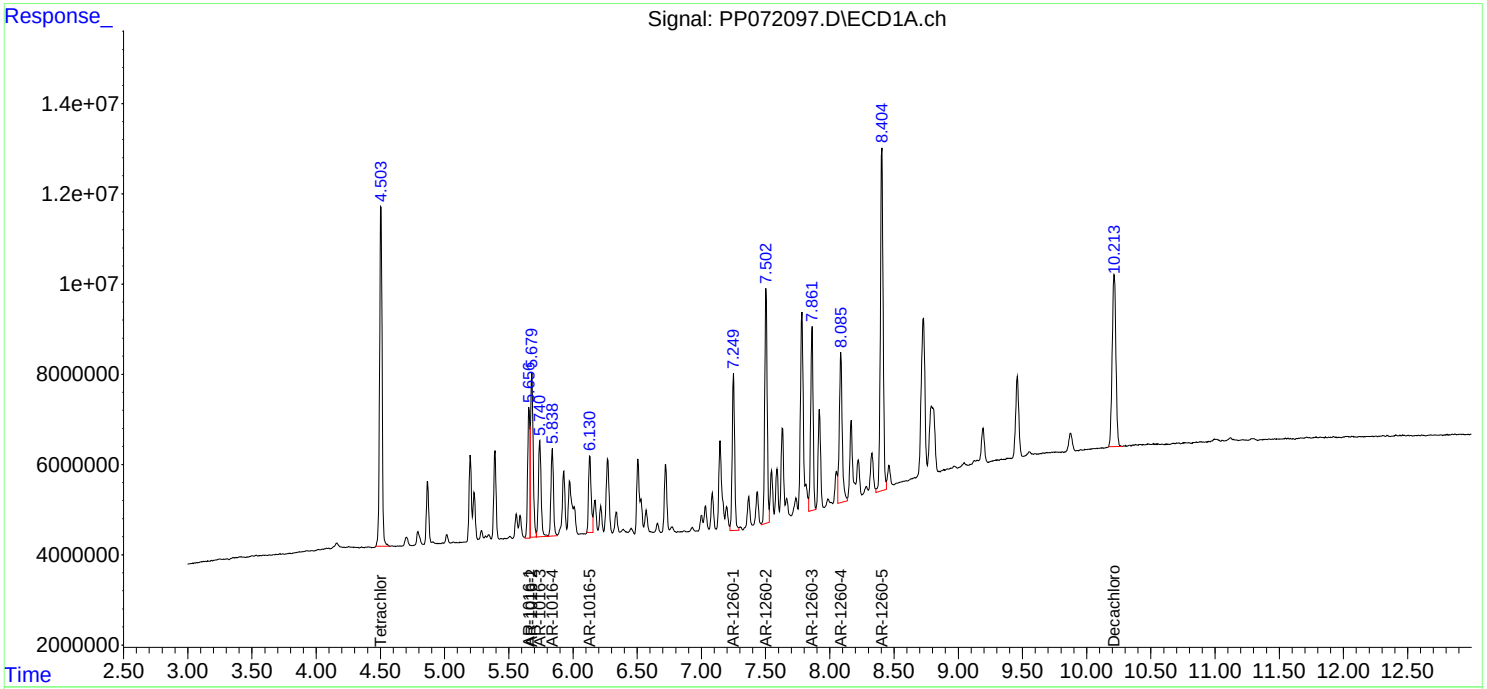
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

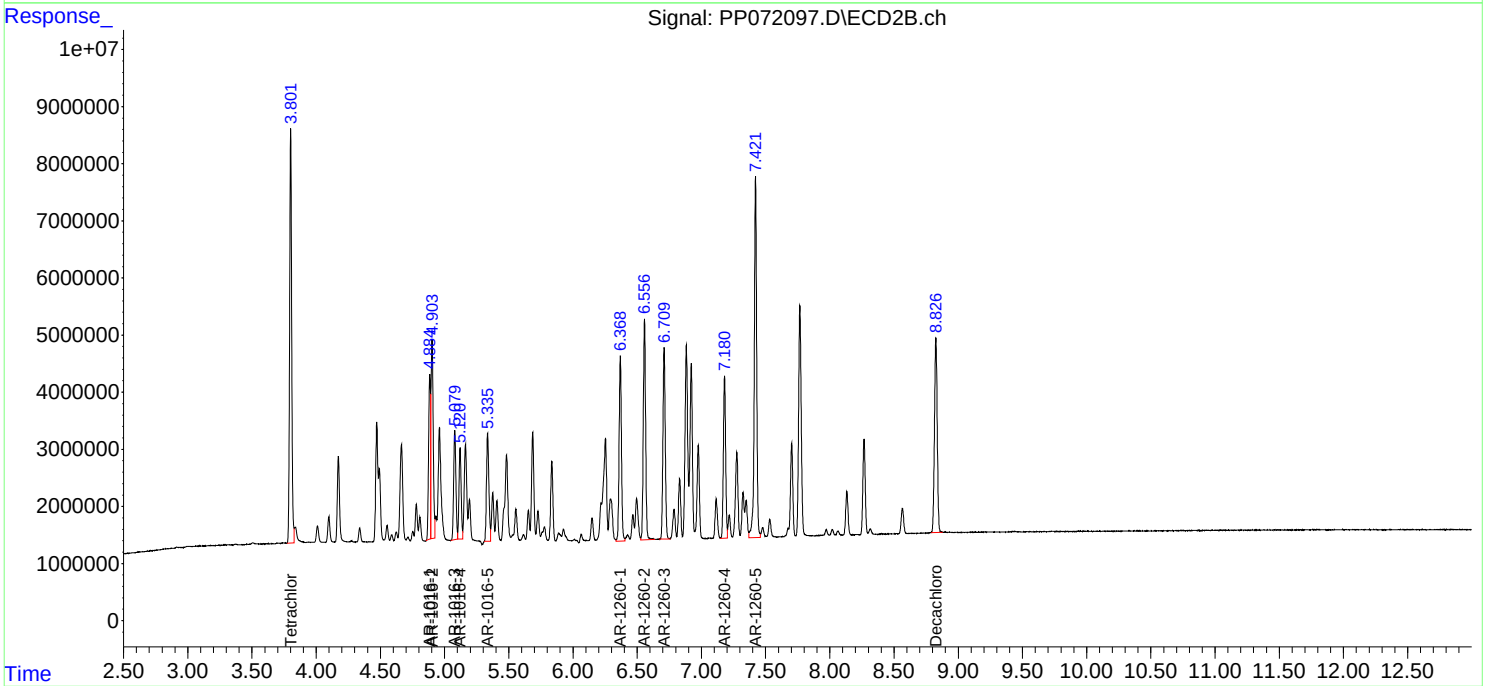
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 12:50:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: **PP072112.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 16:42 **Initial Calibration Time(s):** 10:29 17:49

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)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-2	(2)	5.68	5.69	5.59	5.79	0.01
Aroclor-1016-3	(3)	5.74	5.75	5.65	5.85	0.01
Aroclor-1016-4	(4)	5.84	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.13	6.15	6.05	6.25	0.02
Aroclor-1260-1	(1)	7.25	7.27	7.17	7.37	0.02
Aroclor-1260-2	(2)	7.51	7.52	7.42	7.62	0.01
Aroclor-1260-3	(3)	7.86	7.88	7.78	7.98	0.02
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.41	8.42	8.32	8.52	0.01
Tetrachloro-m-xylene		4.51	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.22	10.24	10.14	10.34	0.02

Raw Data: **PP072112.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 16:42 **Initial Calibration Time(s):** 10:29 17:49

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)	4.88	4.90	4.80	5.00	0.02
Aroclor-1016-2	(2)	4.90	4.92	4.82	5.02	0.02
Aroclor-1016-3	(3)	5.08	5.09	4.99	5.19	0.01
Aroclor-1016-4	(4)	5.12	5.14	5.04	5.24	0.02
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.37	6.39	6.29	6.49	0.02
Aroclor-1260-2	(2)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-3	(3)	6.71	6.73	6.63	6.83	0.02
Aroclor-1260-4	(4)	7.18	7.20	7.10	7.30	0.02
Aroclor-1260-5	(5)	7.42	7.44	7.34	7.54	0.02
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.82	8.85	8.75	8.95	0.03

Raw Data: **PP072112.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL07 **Date Analyzed:** 05/15/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072112.D **Time Analyzed:** 16:42

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.659	5.571	5.771	455.210	500.000	-9.0
Aroclor-1016-2	5.681	5.593	5.793	480.350	500.000	-3.9
Aroclor-1016-3	5.744	5.654	5.854	490.340	500.000	-1.9
Aroclor-1016-4	5.841	5.752	5.952	489.550	500.000	-2.1
Aroclor-1016-5	6.134	6.045	6.245	476.750	500.000	-4.7
Aroclor-1260-1	7.252	7.165	7.365	477.340	500.000	-4.5
Aroclor-1260-2	7.506	7.418	7.618	462.870	500.000	-7.4
Aroclor-1260-3	7.864	7.777	7.977	470.710	500.000	-5.9
Aroclor-1260-4	8.089	8.002	8.202	442.830	500.000	-11.4
Aroclor-1260-5	8.408	8.322	8.522	481.350	500.000	-3.7
Decachlorobiphenyl	10.217	10.137	10.337	51.130	50.000	2.3
Tetrachloro-m-xylene	4.507	4.417	4.617	50.710	50.000	1.4

Raw Data: **PP072112.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL07 **Date Analyzed:** 05/15/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072112.D **Time Analyzed:** 16:42

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.884	4.798	4.998	543.950	500.000	8.8
Aroclor-1016-2	4.902	4.816	5.016	560.600	500.000	12.1
Aroclor-1016-3	5.080	4.993	5.193	509.430	500.000	1.9
Aroclor-1016-4	5.121	5.036	5.236	512.710	500.000	2.5
Aroclor-1016-5	5.335	5.250	5.450	552.120	500.000	10.4
Aroclor-1260-1	6.368	6.285	6.485	541.590	500.000	8.3
Aroclor-1260-2	6.556	6.473	6.673	536.920	500.000	7.4
Aroclor-1260-3	6.709	6.627	6.827	529.210	500.000	5.8
Aroclor-1260-4	7.179	7.098	7.298	534.550	500.000	6.9
Aroclor-1260-5	7.422	7.339	7.539	529.950	500.000	6.0
Decachlorobiphenyl	8.824	8.749	8.949	55.620	50.000	11.2
Tetrachloro-m-xylene	3.801	3.712	3.912	57.680	50.000	15.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051525\
Data File : PP072112.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 16:42
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:21:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.507	3.801	100.5E6	81256519	50.710	57.684m
2)	SA Decachlor...	10.217	8.824	74040814	48785001	51.133	55.624m
	Target Compounds						
3)	L1 AR-1016-1	5.659	4.884	30521740	29119734	455.210m	543.953m
4)	L1 AR-1016-2	5.681	4.902	49297952	42809812	480.354m	560.604m
5)	L1 AR-1016-3	5.744	5.080	30227835	21503255	490.337	509.430
6)	L1 AR-1016-4	5.841	5.121	25113101	17681122	489.552	512.705
7)	L1 AR-1016-5	6.134	5.335	22997651	24540287	476.750	552.121
31)	L7 AR-1260-1	7.252	6.368	45836295	39156265	477.339	541.586
32)	L7 AR-1260-2	7.506	6.556	66226144	46960114	462.869	536.924
33)	L7 AR-1260-3	7.864	6.709	52768175	41483148	470.707	529.206
34)	L7 AR-1260-4	8.089	7.179	49980279	33735511	442.833	534.546m
35)	L7 AR-1260-5	8.408	7.422	109.1E6	79905128	481.345	529.955

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051525\
Data File : PP072112.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 16:42
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

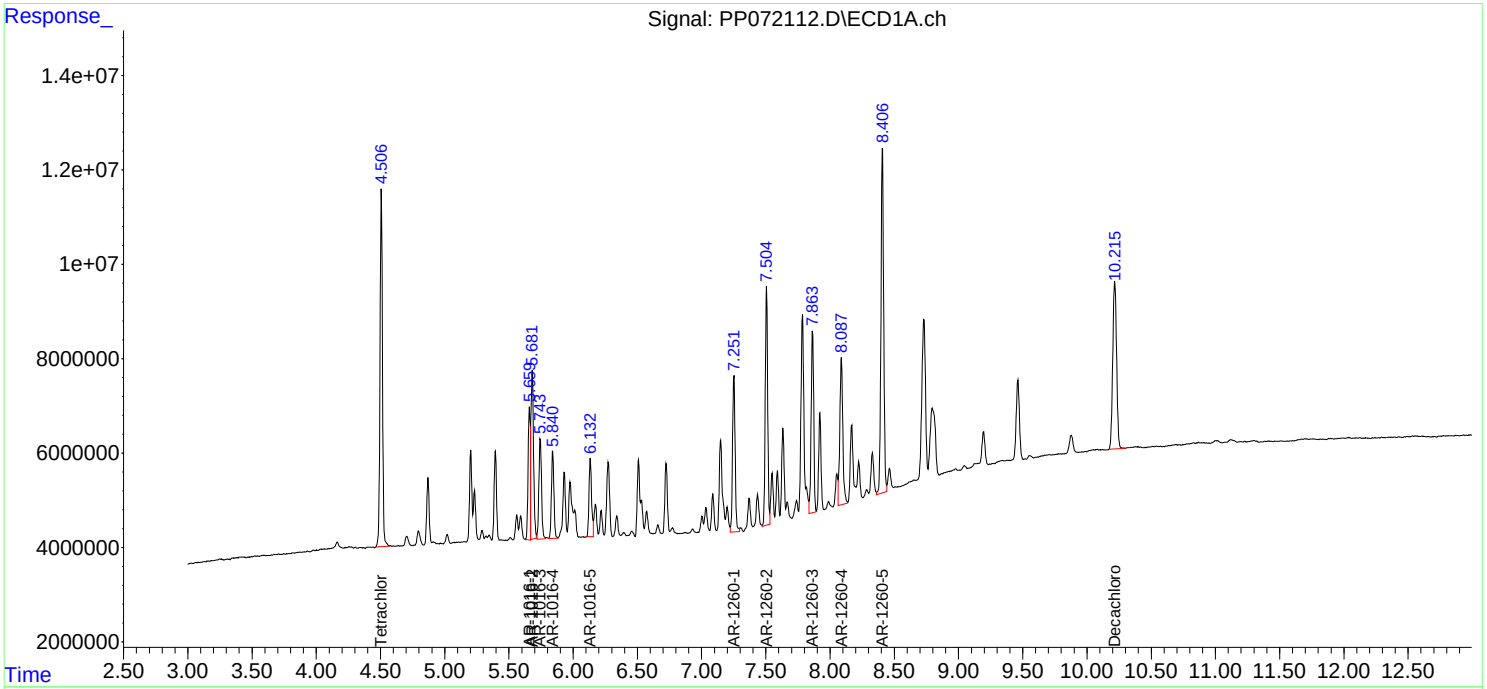
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

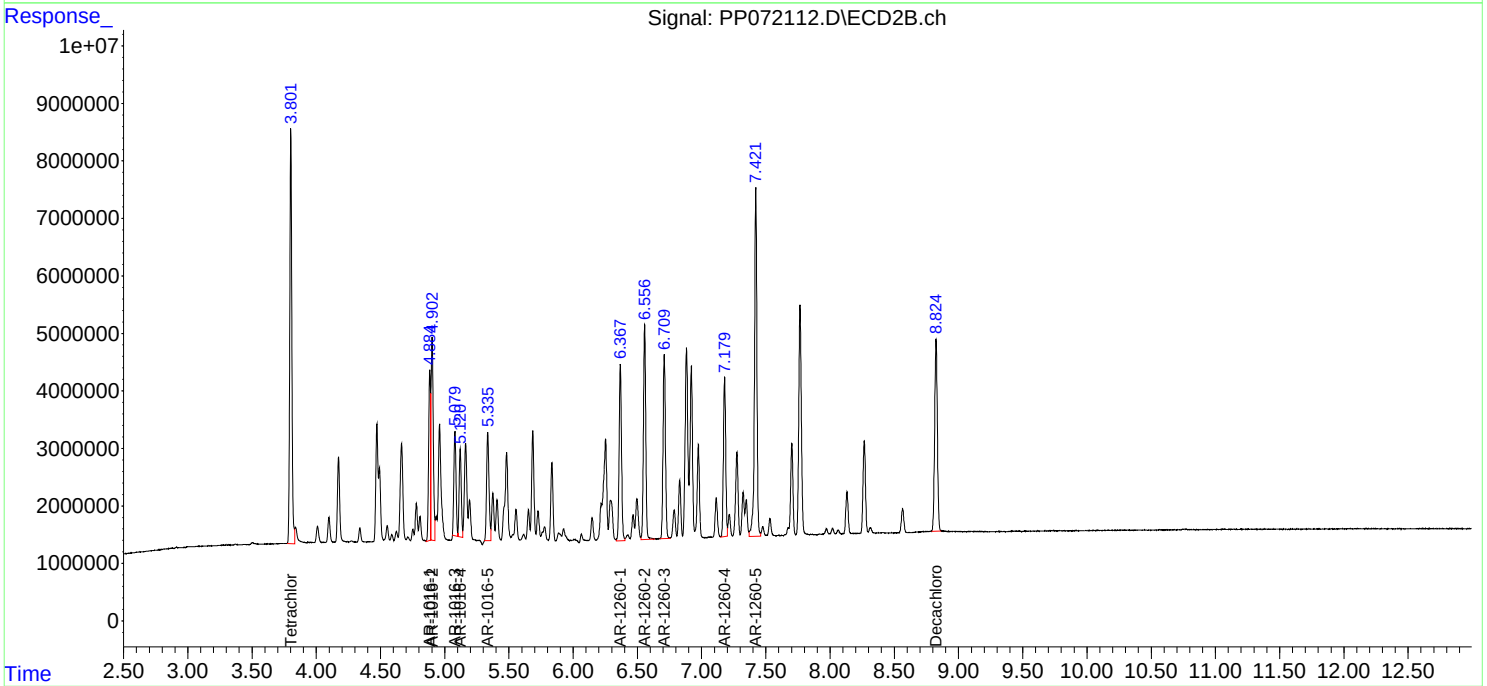
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:21:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

Analytical Sequence

Client: CDM Smith **SDG No.:** Q2032

Project: South River WM Replacement **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/14/2025 05/14/2025

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	05/14/2025	17:01	PO111057.D	8.72	3.68
AR1660ICC1000	AR1660ICC1000	05/14/2025	17:19	PO111058.D	8.73	3.68
AR1660ICC750	AR1660ICC750	05/14/2025	17:38	PO111059.D	8.73	3.68
AR1660ICC500	AR1660ICC500	05/14/2025	17:56	PO111060.D	8.72	3.68
AR1660ICC250	AR1660ICC250	05/14/2025	18:15	PO111061.D	8.72	3.68
AR1660ICC050	AR1660ICC050	05/14/2025	18:33	PO111062.D	8.72	3.68
AR1221ICC500	AR1221ICC500	05/14/2025	18:51	PO111063.D	8.72	3.68
AR1232ICC500	AR1232ICC500	05/14/2025	19:10	PO111064.D	8.72	3.68
AR1242ICC1000	AR1242ICC1000	05/14/2025	19:28	PO111065.D	8.72	3.68
AR1242ICC750	AR1242ICC750	05/14/2025	19:46	PO111066.D	8.72	3.68
AR1242ICC500	AR1242ICC500	05/14/2025	20:05	PO111067.D	8.73	3.68
AR1242ICC250	AR1242ICC250	05/14/2025	20:23	PO111068.D	8.72	3.68
AR1242ICC050	AR1242ICC050	05/14/2025	20:41	PO111069.D	8.72	3.68
AR1248ICC1000	AR1248ICC1000	05/14/2025	21:00	PO111070.D	8.72	3.68
AR1248ICC750	AR1248ICC750	05/14/2025	21:18	PO111071.D	8.72	3.68
AR1248ICC500	AR1248ICC500	05/14/2025	21:37	PO111072.D	8.72	3.68
AR1248ICC250	AR1248ICC250	05/14/2025	21:54	PO111073.D	8.72	3.68
AR1248ICC050	AR1248ICC050	05/14/2025	22:12	PO111074.D	8.72	3.68
AR1254ICC1000	AR1254ICC1000	05/14/2025	22:31	PO111075.D	8.73	3.68
AR1254ICC750	AR1254ICC750	05/14/2025	22:49	PO111076.D	8.73	3.68
AR1254ICC500	AR1254ICC500	05/14/2025	23:06	PO111077.D	8.72	3.68
AR1254ICC250	AR1254ICC250	05/14/2025	23:25	PO111078.D	8.72	3.68
AR1254ICC050	AR1254ICC050	05/14/2025	23:43	PO111079.D	8.72	3.68
AR1262ICC500	AR1262ICC500	05/15/2025	00:01	PO111080.D	8.73	3.68
AR1268ICC1000	AR1268ICC1000	05/15/2025	00:19	PO111081.D	8.72	3.68
AR1268ICC750	AR1268ICC750	05/15/2025	00:37	PO111082.D	8.72	3.68
AR1268ICC500	AR1268ICC500	05/15/2025	00:56	PO111083.D	8.73	3.68
AR1268ICC250	AR1268ICC250	05/15/2025	01:14	PO111084.D	8.72	3.68
AR1268ICC050	AR1268ICC050	05/15/2025	01:31	PO111085.D	8.72	3.68
AR1660CCC500	AR1660CCC500	05/16/2025	09:35	PO111128.D	8.72	3.68
I.BLK	I.BLK	05/16/2025	10:52	PO111132.D	8.72	3.68
PB168039BS	PB168039BS	05/16/2025	13:04	PO111134.D	8.72	3.68
TP-29	Q2032-02	05/16/2025	13:40	PO111136.D	8.73	3.68
TP-29-99	Q2032-03	05/16/2025	13:57	PO111137.D	8.72	3.68
TP-24	Q2032-04	05/16/2025	14:14	PO111138.D	8.72	3.68
TP-24MS	Q2032-05MS	05/16/2025	14:33	PO111139.D	8.73	3.68
TP-24MSD	Q2032-06MSD	05/16/2025	14:50	PO111140.D	8.72	3.68
TP-37	Q2032-07	05/16/2025	15:08	PO111141.D	8.72	3.68
TP-32	Q2032-08	05/16/2025	15:27	PO111142.D	8.73	3.68
AR1660CCC500	AR1660CCC500	05/16/2025	16:37	PO111143.D	8.72	3.68
I.BLK	I.BLK	05/16/2025	17:50	PO111147.D	8.73	3.68
PB168039BL	PB168039BL	05/16/2025	20:16	PO111155.D	8.73	3.68

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

Analytical Sequence

TP-11	Q2032-01	05/16/2025	20:34	PO111156.D	8.73	3.68
AR1660CCC500	AR1660CCC500	05/16/2025	21:44	PO111157.D	8.73	3.68
I.BLK	I.BLK	05/16/2025	23:29	PO111161.D	8.72	3.68
I.BLK	I.BLK	04/22/2025	10:13	PP071388.D	10.23	4.51
AR1660ICC1000	AR1660ICC1000	04/22/2025	10:29	PP071389.D	10.23	4.51
AR1660ICC750	AR1660ICC750	04/22/2025	10:45	PP071390.D	10.23	4.51
AR1660ICC500	AR1660ICC500	04/22/2025	11:02	PP071391.D	10.24	4.52
AR1660ICC250	AR1660ICC250	04/22/2025	11:18	PP071392.D	10.23	4.51
AR1660ICC050	AR1660ICC050	04/22/2025	11:34	PP071393.D	10.24	4.52
AR1221ICC500	AR1221ICC500	04/22/2025	11:51	PP071394.D	10.23	4.51
AR1232ICC500	AR1232ICC500	04/22/2025	12:07	PP071395.D	10.23	4.52
AR1242ICC1000	AR1242ICC1000	04/22/2025	12:23	PP071396.D	10.23	4.51
AR1242ICC750	AR1242ICC750	04/22/2025	12:39	PP071397.D	10.24	4.52
AR1242ICC500	AR1242ICC500	04/22/2025	12:56	PP071398.D	10.24	4.51
AR1242ICC250	AR1242ICC250	04/22/2025	13:12	PP071399.D	10.23	4.51
AR1242ICC050	AR1242ICC050	04/22/2025	13:28	PP071400.D	10.24	4.52
AR1248ICC1000	AR1248ICC1000	04/22/2025	13:45	PP071401.D	10.24	4.52
AR1248ICC750	AR1248ICC750	04/22/2025	14:01	PP071402.D	10.24	4.52
AR1248ICC500	AR1248ICC500	04/22/2025	14:17	PP071403.D	10.24	4.51
AR1248ICC250	AR1248ICC250	04/22/2025	14:33	PP071404.D	10.24	4.51
AR1248ICC050	AR1248ICC050	04/22/2025	14:50	PP071405.D	10.24	4.51
AR1254ICC1000	AR1254ICC1000	04/22/2025	15:06	PP071406.D	10.24	4.52
AR1254ICC750	AR1254ICC750	04/22/2025	15:22	PP071407.D	10.24	4.52
AR1254ICC500	AR1254ICC500	04/22/2025	15:38	PP071408.D	10.24	4.52
AR1254ICC250	AR1254ICC250	04/22/2025	15:55	PP071409.D	10.23	4.51
AR1254ICC050	AR1254ICC050	04/22/2025	16:11	PP071410.D	10.24	4.51
AR1262ICC500	AR1262ICC500	04/22/2025	16:27	PP071411.D	10.24	4.52
AR1268ICC1000	AR1268ICC1000	04/22/2025	16:44	PP071412.D	10.24	4.51
AR1268ICC750	AR1268ICC750	04/22/2025	17:00	PP071413.D	10.23	4.52
AR1268ICC500	AR1268ICC500	04/22/2025	17:16	PP071414.D	10.24	4.52
AR1268ICC250	AR1268ICC250	04/22/2025	17:33	PP071415.D	10.24	4.52
AR1268ICC050	AR1268ICC050	04/22/2025	17:49	PP071416.D	10.24	4.51
AR1660CCC500	AR1660CCC500	05/15/2025	04:05	PP072076.D	10.21	4.50
I.BLK	I.BLK	05/15/2025	05:27	PP072080.D	10.21	4.50
PB168005BL	PB168005BL	05/15/2025	05:43	PP072081.D	10.21	4.50
PB168005BS	PB168005BS	05/15/2025	05:59	PP072082.D	10.22	4.51
PB168005BSD	PB168005BSD	05/15/2025	06:16	PP072083.D	10.22	4.51
AR1660CCC500	AR1660CCC500	05/15/2025	09:15	PP072091.D	10.21	4.50
I.BLK	I.BLK	05/15/2025	10:22	PP072095.D	10.22	4.51
AR1660CCC500	AR1660CCC500	05/15/2025	11:28	PP072097.D	10.22	4.51
I.BLK	I.BLK	05/15/2025	12:35	PP072101.D	10.21	4.50
FB-05132025	Q2032-11	05/15/2025	13:08	PP072103.D	10.22	4.51
AR1660CCC500	AR1660CCC500	05/15/2025	16:42	PP072112.D	10.22	4.51
I.BLK	I.BLK	05/15/2025	18:04	PP072116.D	10.22	4.51

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

Analytical Sequence

Client: CDM Smith **SDG No.:** Q2032

Project: South River WM Replacement **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/14/2025 05/14/2025

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	05/14/2025	17:01	PO111057.D	8.67	3.68
AR1660ICC1000	AR1660ICC1000	05/14/2025	17:19	PO111058.D	8.67	3.68
AR1660ICC750	AR1660ICC750	05/14/2025	17:38	PO111059.D	8.67	3.68
AR1660ICC500	AR1660ICC500	05/14/2025	17:56	PO111060.D	8.67	3.68
AR1660ICC250	AR1660ICC250	05/14/2025	18:15	PO111061.D	8.68	3.68
AR1660ICC050	AR1660ICC050	05/14/2025	18:33	PO111062.D	8.67	3.68
AR1221ICC500	AR1221ICC500	05/14/2025	18:51	PO111063.D	8.67	3.68
AR1232ICC500	AR1232ICC500	05/14/2025	19:10	PO111064.D	8.68	3.68
AR1242ICC1000	AR1242ICC1000	05/14/2025	19:28	PO111065.D	8.67	3.68
AR1242ICC750	AR1242ICC750	05/14/2025	19:46	PO111066.D	8.67	3.68
AR1242ICC500	AR1242ICC500	05/14/2025	20:05	PO111067.D	8.67	3.68
AR1242ICC250	AR1242ICC250	05/14/2025	20:23	PO111068.D	8.67	3.68
AR1242ICC050	AR1242ICC050	05/14/2025	20:41	PO111069.D	8.67	3.68
AR1248ICC1000	AR1248ICC1000	05/14/2025	21:00	PO111070.D	8.67	3.68
AR1248ICC750	AR1248ICC750	05/14/2025	21:18	PO111071.D	8.67	3.68
AR1248ICC500	AR1248ICC500	05/14/2025	21:37	PO111072.D	8.68	3.68
AR1248ICC250	AR1248ICC250	05/14/2025	21:54	PO111073.D	8.69	3.69
AR1248ICC050	AR1248ICC050	05/14/2025	22:12	PO111074.D	8.67	3.68
AR1254ICC1000	AR1254ICC1000	05/14/2025	22:31	PO111075.D	8.67	3.68
AR1254ICC750	AR1254ICC750	05/14/2025	22:49	PO111076.D	8.67	3.68
AR1254ICC500	AR1254ICC500	05/14/2025	23:06	PO111077.D	8.67	3.68
AR1254ICC250	AR1254ICC250	05/14/2025	23:25	PO111078.D	8.67	3.68
AR1254ICC050	AR1254ICC050	05/14/2025	23:43	PO111079.D	8.67	3.68
AR1262ICC500	AR1262ICC500	05/15/2025	00:01	PO111080.D	8.67	3.68
AR1268ICC1000	AR1268ICC1000	05/15/2025	00:19	PO111081.D	8.67	3.68
AR1268ICC750	AR1268ICC750	05/15/2025	00:37	PO111082.D	8.67	3.68
AR1268ICC500	AR1268ICC500	05/15/2025	00:56	PO111083.D	8.67	3.68
AR1268ICC250	AR1268ICC250	05/15/2025	01:14	PO111084.D	8.67	3.68
AR1268ICC050	AR1268ICC050	05/15/2025	01:31	PO111085.D	8.67	3.68
AR1660CCC500	AR1660CCC500	05/16/2025	09:35	PO111128.D	8.67	3.68
I.BLK	I.BLK	05/16/2025	10:52	PO111132.D	8.67	3.68
PB168039BS	PB168039BS	05/16/2025	13:04	PO111134.D	8.67	3.68
TP-29	Q2032-02	05/16/2025	13:40	PO111136.D	8.68	3.68
TP-29-99	Q2032-03	05/16/2025	13:57	PO111137.D	8.67	3.68
TP-24	Q2032-04	05/16/2025	14:14	PO111138.D	8.67	3.68
TP-24MS	Q2032-05MS	05/16/2025	14:33	PO111139.D	8.68	3.68
TP-24MSD	Q2032-06MSD	05/16/2025	14:50	PO111140.D	8.67	3.68
TP-37	Q2032-07	05/16/2025	15:08	PO111141.D	8.67	3.68
TP-32	Q2032-08	05/16/2025	15:27	PO111142.D	8.68	3.68
AR1660CCC500	AR1660CCC500	05/16/2025	16:37	PO111143.D	8.67	3.68
I.BLK	I.BLK	05/16/2025	17:50	PO111147.D	8.67	3.68
PB168039BL	PB168039BL	05/16/2025	20:16	PO111155.D	8.67	3.68

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

Analytical Sequence

TP-11	Q2032-01	05/16/2025	20:34	PO111156.D	8.68	3.68
AR1660CCC500	AR1660CCC500	05/16/2025	21:44	PO111157.D	8.67	3.68
I.BLK	I.BLK	05/16/2025	23:29	PO111161.D	8.67	3.68
I.BLK	I.BLK	04/22/2025	10:13	PP071388.D	8.85	3.81
AR1660ICC1000	AR1660ICC1000	04/22/2025	10:29	PP071389.D	8.85	3.81
AR1660ICC750	AR1660ICC750	04/22/2025	10:45	PP071390.D	8.85	3.81
AR1660ICC500	AR1660ICC500	04/22/2025	11:02	PP071391.D	8.85	3.81
AR1660ICC250	AR1660ICC250	04/22/2025	11:18	PP071392.D	8.85	3.81
AR1660ICC050	AR1660ICC050	04/22/2025	11:34	PP071393.D	8.85	3.81
AR1221ICC500	AR1221ICC500	04/22/2025	11:51	PP071394.D	8.85	3.81
AR1232ICC500	AR1232ICC500	04/22/2025	12:07	PP071395.D	8.85	3.81
AR1242ICC1000	AR1242ICC1000	04/22/2025	12:23	PP071396.D	8.85	3.81
AR1242ICC750	AR1242ICC750	04/22/2025	12:39	PP071397.D	8.85	3.81
AR1242ICC500	AR1242ICC500	04/22/2025	12:56	PP071398.D	8.85	3.81
AR1242ICC250	AR1242ICC250	04/22/2025	13:12	PP071399.D	8.85	3.81
AR1242ICC050	AR1242ICC050	04/22/2025	13:28	PP071400.D	8.85	3.81
AR1248ICC1000	AR1248ICC1000	04/22/2025	13:45	PP071401.D	8.85	3.81
AR1248ICC750	AR1248ICC750	04/22/2025	14:01	PP071402.D	8.85	3.81
AR1248ICC500	AR1248ICC500	04/22/2025	14:17	PP071403.D	8.85	3.81
AR1248ICC250	AR1248ICC250	04/22/2025	14:33	PP071404.D	8.85	3.81
AR1248ICC050	AR1248ICC050	04/22/2025	14:50	PP071405.D	8.85	3.81
AR1254ICC1000	AR1254ICC1000	04/22/2025	15:06	PP071406.D	8.85	3.81
AR1254ICC750	AR1254ICC750	04/22/2025	15:22	PP071407.D	8.85	3.81
AR1254ICC500	AR1254ICC500	04/22/2025	15:38	PP071408.D	8.85	3.81
AR1254ICC250	AR1254ICC250	04/22/2025	15:55	PP071409.D	8.85	3.81
AR1254ICC050	AR1254ICC050	04/22/2025	16:11	PP071410.D	8.85	3.81
AR1262ICC500	AR1262ICC500	04/22/2025	16:27	PP071411.D	8.85	3.81
AR1268ICC1000	AR1268ICC1000	04/22/2025	16:44	PP071412.D	8.85	3.81
AR1268ICC750	AR1268ICC750	04/22/2025	17:00	PP071413.D	8.85	3.81
AR1268ICC500	AR1268ICC500	04/22/2025	17:16	PP071414.D	8.85	3.81
AR1268ICC250	AR1268ICC250	04/22/2025	17:33	PP071415.D	8.85	3.81
AR1268ICC050	AR1268ICC050	04/22/2025	17:49	PP071416.D	8.85	3.81
AR1660CCC500	AR1660CCC500	05/15/2025	04:05	PP072076.D	8.83	3.80
I.BLK	I.BLK	05/15/2025	05:27	PP072080.D	8.83	3.80
PB168005BL	PB168005BL	05/15/2025	05:43	PP072081.D	8.82	3.80
PB168005BS	PB168005BS	05/15/2025	05:59	PP072082.D	8.82	3.80
PB168005BSD	PB168005BSD	05/15/2025	06:16	PP072083.D	8.83	3.80
AR1660CCC500	AR1660CCC500	05/15/2025	09:15	PP072091.D	8.82	3.80
I.BLK	I.BLK	05/15/2025	10:22	PP072095.D	8.83	3.80
AR1660CCC500	AR1660CCC500	05/15/2025	11:28	PP072097.D	8.83	3.80
I.BLK	I.BLK	05/15/2025	12:35	PP072101.D	8.82	3.80
FB-05132025	Q2032-11	05/15/2025	13:08	PP072103.D	8.83	3.80
AR1660CCC500	AR1660CCC500	05/15/2025	16:42	PP072112.D	8.82	3.80
I.BLK	I.BLK	05/15/2025	18:04	PP072116.D	8.83	3.80

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB168039BS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Lab Sample ID: PB168039BS Date(s) Analyzed: 05/16/2025 05/16/2025

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

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

Data file PO111134.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.77	4.72	4.82	152		
	2	4.789	4.739	4.839	153		
	3	4.845	4.795	4.895	153		
COLUMN 1	4	4.966	4.916	5.016	153		
	5	5.223	5.173	5.273	148	152	
	1	4.757	4.707	4.807	146		
	2	4.776	4.726	4.826	145		
	3	4.951	4.901	5.001	146		
	4	4.994	4.944	5.044	144		
COLUMN 2	5	5.206	5.156	5.256	141	144	5.41
Aroclor-1260	1	6.263	6.213	6.313	158		
	2	6.452	6.402	6.502	156		
	3	6.82	6.77	6.87	134		
COLUMN 1	4	7.079	7.029	7.129	145		
	5	7.322	7.272	7.372	138	146	
	1	6.238	6.188	6.288	154		
	2	6.425	6.375	6.475	153		
	3	6.577	6.527	6.627	147		
	4	7.048	6.998	7.098	139		
COLUMN 2	5	7.289	7.239	7.339	133	145	0.69

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: TP-24MS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Lab Sample ID: Q2032-05MS Date(s) Analyzed: 05/16/2025 05/16/2025

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

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

Data file PO111139.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.772	4.722	4.822	233		
	2	4.791	4.741	4.841	230		
	3	4.848	4.798	4.898	235		
COLUMN 1	4	4.968	4.918	5.018	260		
	5	5.226	5.176	5.276	235	239	
	1	4.758	4.708	4.808	231		
	2	4.776	4.726	4.826	220		
	3	4.952	4.902	5.002	235		
	4	4.994	4.944	5.044	223		
COLUMN 2	5	5.207	5.157	5.257	222	226	5.59
Aroclor-1260	1	6.265	6.215	6.315	247		
	2	6.455	6.405	6.505	230		
	3	6.822	6.772	6.872	191		
COLUMN 1	4	7.082	7.032	7.132	209		
	5	7.324	7.274	7.374	199	215	
	1	6.238	6.188	6.288	235		
	2	6.426	6.376	6.476	224		
	3	6.578	6.528	6.628	214		
	4	7.05	7	7.1	200		
COLUMN 2	5	7.29	7.24	7.34	190	213	0.93

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: TP-24MSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Lab Sample ID: Q2032-06MSD Date(s) Analyzed: 05/16/2025 05/16/2025

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

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

Data file PO111140.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.769	4.719	4.819	199		
	2	4.789	4.739	4.839	204		
	3	4.846	4.796	4.896	207		
COLUMN 1	4	4.966	4.916	5.016	214		
	5	5.224	5.174	5.274	205	206	
	1	4.758	4.708	4.808	205		
	2	4.776	4.726	4.826	204		
	3	4.952	4.902	5.002	209		
	4	4.994	4.944	5.044	200		
COLUMN 2	5	5.207	5.157	5.257	197	203	1.47
Aroclor-1260	1	6.264	6.214	6.314	220		
	2	6.453	6.403	6.503	205		
	3	6.82	6.77	6.87	170		
COLUMN 1	4	7.08	7.03	7.13	184		
	5	7.324	7.274	7.374	176	191	
	1	6.238	6.188	6.288	209		
	2	6.425	6.375	6.475	197		
	3	6.578	6.528	6.628	190		
	4	7.049	6.999	7.099	176		
COLUMN 2	5	7.29	7.24	7.34	166	188	1.58

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB168005BS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Lab Sample ID: PB168005BS Date(s) Analyzed: 05/15/2025 05/15/2025

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 PP072082.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.66	5.61	5.71	4.02		
	2	5.682	5.632	5.732	4.59		
	3	5.743	5.693	5.793	4.57		
COLUMN 1	4	5.841	5.791	5.891	4.57		
	5	6.131	6.081	6.181	5.44	4.60	
	1	4.884	4.834	4.934	4.88		
	2	4.902	4.852	4.952	4.80		
	3	5.079	5.029	5.129	4.97		
	4	5.121	5.071	5.171	5.05		
COLUMN 2	5	5.335	5.285	5.385	4.74	4.90	6.32
Aroclor-1260	1	7.251	7.201	7.301	4.57		
	2	7.506	7.456	7.556	4.62		
	3	7.863	7.813	7.913	4.02		
COLUMN 1	4	8.087	8.037	8.137	4.19		
	5	8.407	8.357	8.457	4.29	4.30	
	1	6.367	6.317	6.417	5.06		
	2	6.556	6.506	6.606	5.06		
	3	6.708	6.658	6.758	5.11		
	4	7.179	7.129	7.229	4.57		
COLUMN 2	5	7.422	7.372	7.472	4.55	4.90	13.04

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB168005BSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Lab Sample ID: PB168005BSD Date(s) Analyzed: 05/15/2025 05/15/2025

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 PP072083.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.657	5.607	5.707	5.25		
	2	5.679	5.629	5.729	4.24		
	3	5.742	5.692	5.792	4.46		
COLUMN 1	4	5.84	5.79	5.89	4.44		
	5	6.132	6.082	6.182	4.21	4.50	
	1	4.885	4.835	4.935	4.70		
	2	4.903	4.853	4.953	4.83		
	3	5.081	5.031	5.131	4.45		
	4	5.122	5.072	5.172	4.58		
COLUMN 2	5	5.336	5.286	5.386	4.57	4.60	2.2
Aroclor-1260	1	7.25	7.2	7.3	4.50		
	2	7.504	7.454	7.554	4.59		
	3	7.862	7.812	7.912	4.02		
COLUMN 1	4	8.086	8.036	8.136	4.16		
	5	8.406	8.356	8.456	4.27	4.30	
	1	6.369	6.319	6.419	4.97		
	2	6.557	6.507	6.607	4.96		
	3	6.709	6.659	6.759	4.98		
	4	7.18	7.13	7.23	4.59		
COLUMN 2	5	7.422	7.372	7.472	4.55	4.80	10.99

QC SAMPLE DATA

Raw Data: **PP072081.D**

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

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168005BL		SDG No.:	Q2032	
Lab Sample ID:	PB168005BL		Matrix:	WATER	
Analytical Method:	8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072081.D	1	05/14/25 09:08	05/15/25 05:43	PB168005

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.0		16 - 158	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		10 - 173	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: **PP072081.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072081.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 05:43
Operator : YP\AJ
Sample : PB168005BL
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168005BL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:27:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.504	3.800	37379671	29532202	18.854	20.965m
2)	SA Decachlor...	10.211	8.822	28444765	19159434	19.644	21.845m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072081.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 05:43
Operator : YP\AJ
Sample : PB168005BL
Misc :
ALS Vial : 37 Sample Multiplier: 1

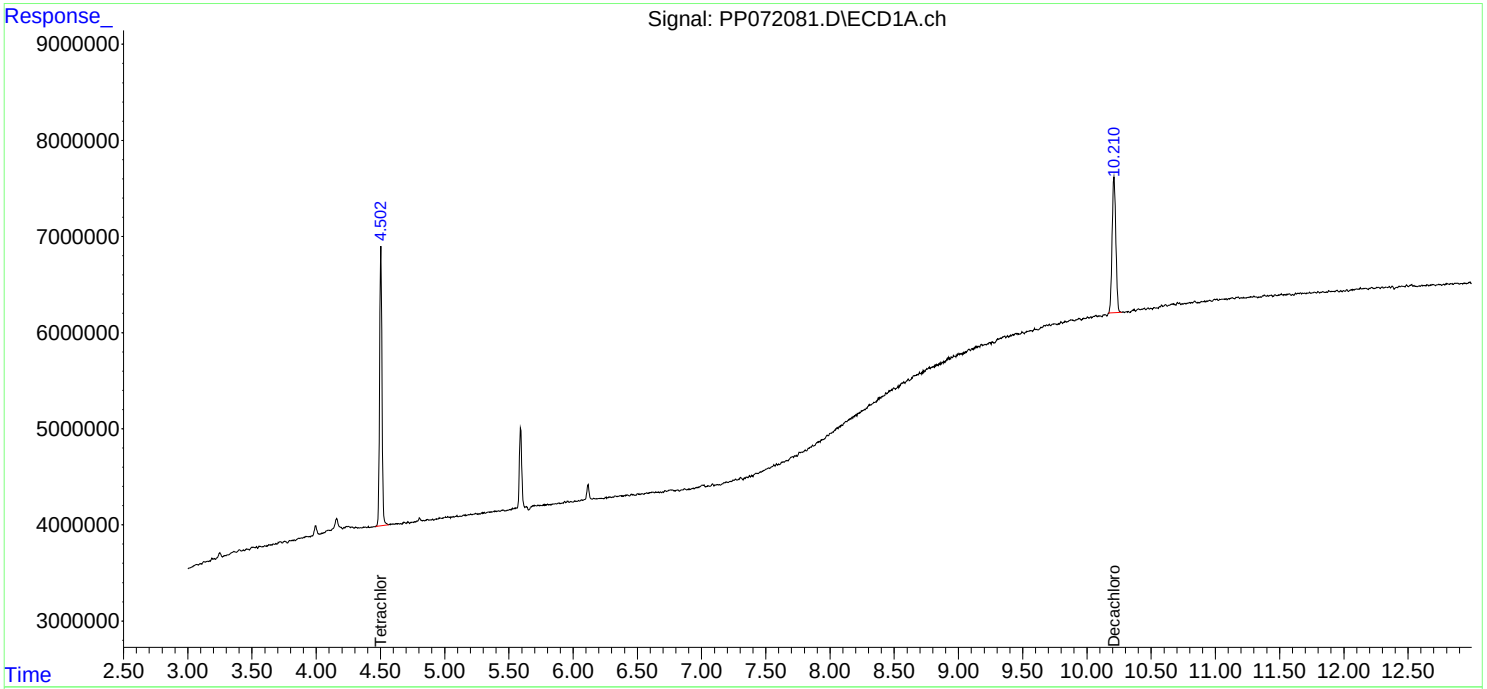
Instrument :
ECD_P
ClientSampleId :
PB168005BL

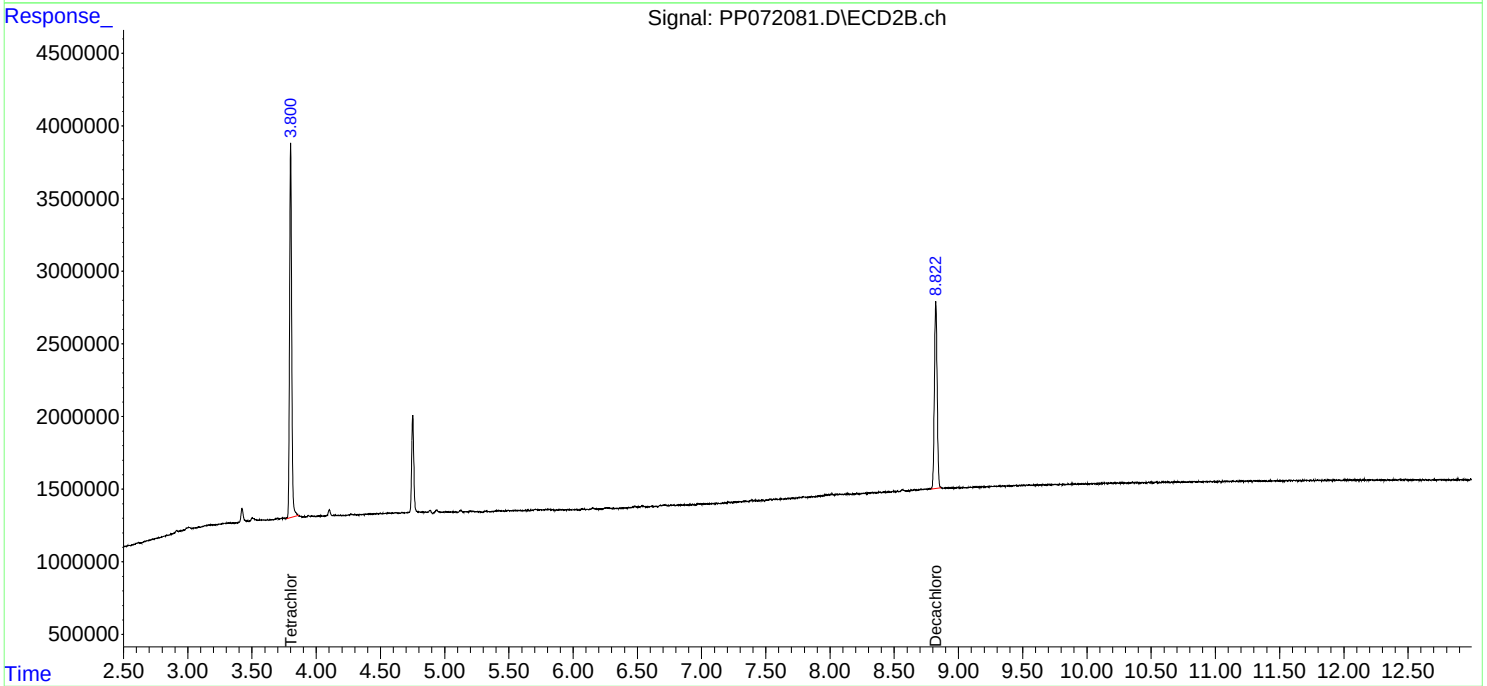
Manual Integrations APPROVED

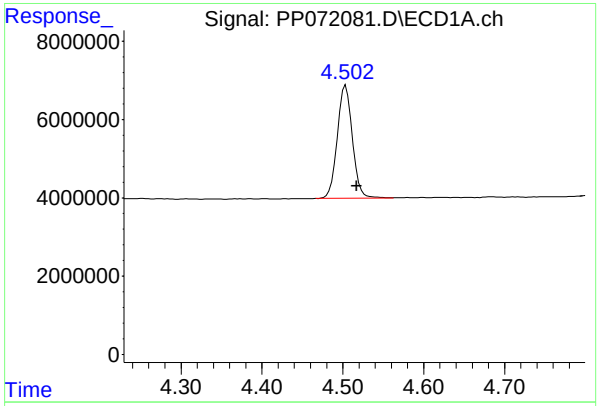
Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:27:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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







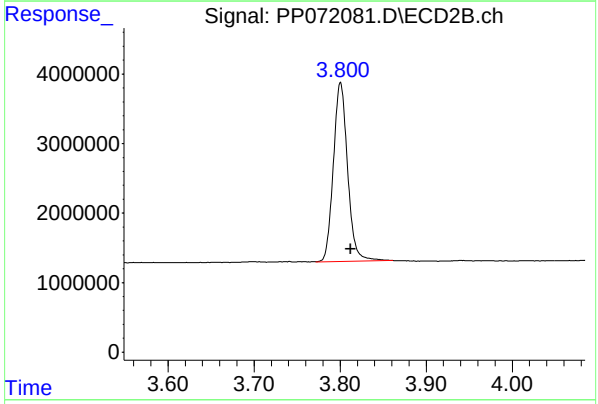
#1 Tetrachloro-m-xylene

R.T.: 4.504 min
Delta R.T.: -0.013 mi
Response: 37379671
Conc: 18.85 ng/m

Instrument :
ECD_P
ClientSampleId :
PB168005BL

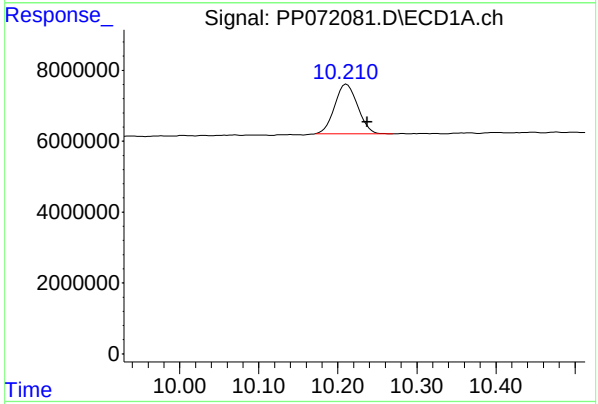
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025



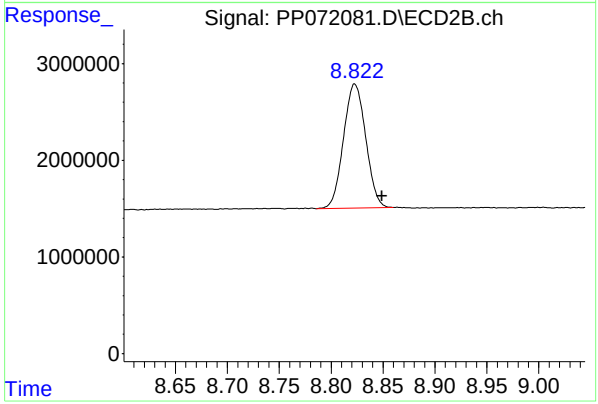
#1 Tetrachloro-m-xylene

R.T.: 3.800 min
Delta R.T.: -0.012 min
Response: 29532202
Conc: 20.97 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.211 min
Delta R.T.: -0.026 min
Response: 28444765
Conc: 19.64 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.822 min
Delta R.T.: -0.027 min
Response: 19159434
Conc: 21.85 ng/ml m

Raw Data: **PO111155.D**

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

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168039BL		SDG No.:	Q2032	
Lab Sample ID:	PB168039BL		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111155.D	1	05/16/25 09:24	05/16/25 20:16	PB168039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		32 - 144	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.7		32 - 175	89%	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: **PO111155.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111155.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 20:16
Operator : YP/AJ
Sample : PB168039BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB168039BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 23:34:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.681	3.679	116.4E6	94635660	19.779	17.360
2)	SA Decachlor...	8.725	8.674	81293388	32820415	15.746	17.739
	Target Compounds						

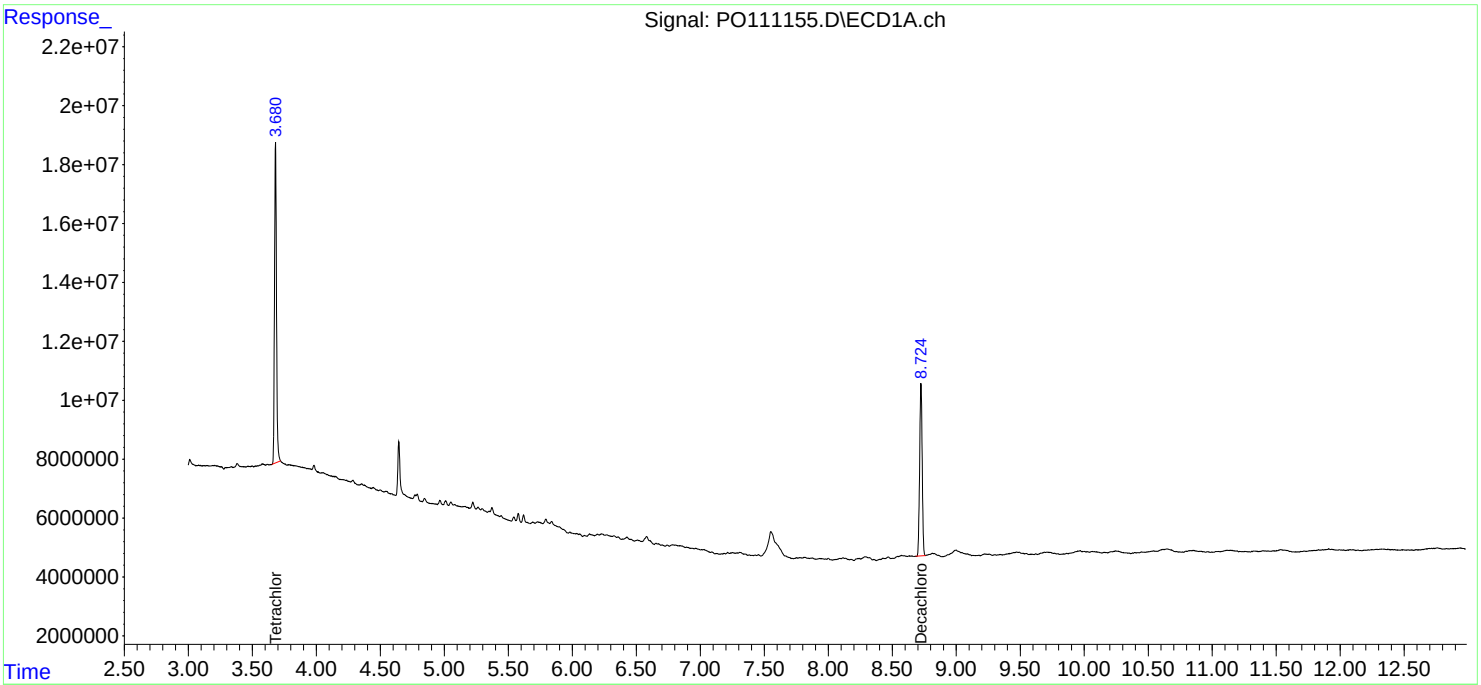
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

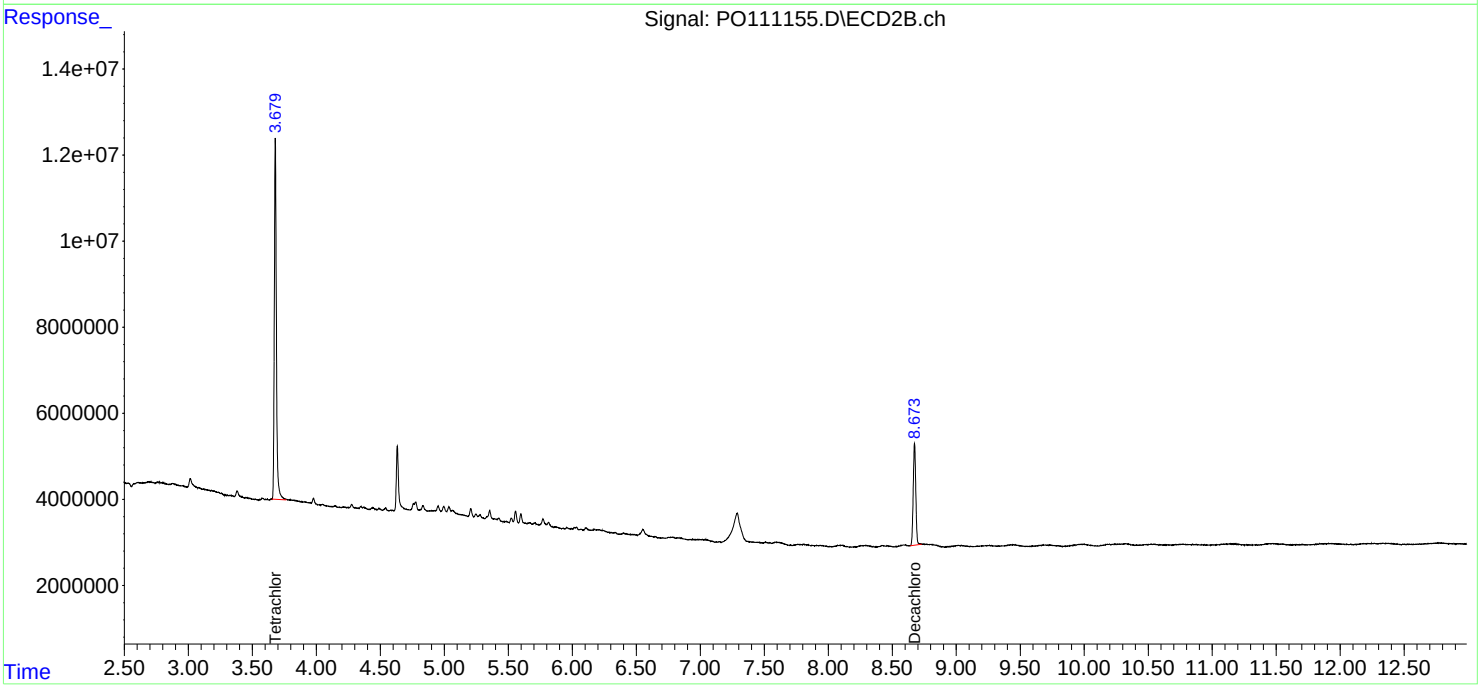
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111155.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 20:16
Operator : YP/AJ
Sample : PB168039BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

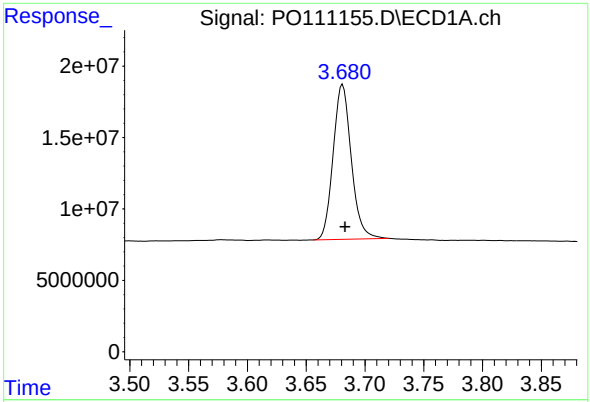
Instrument :
ECD_O
ClientSampleId :
PB168039BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 23:34:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



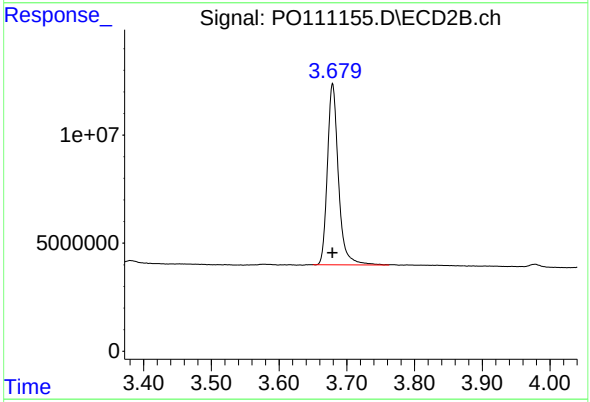




#1 Tetrachloro-m-xylene

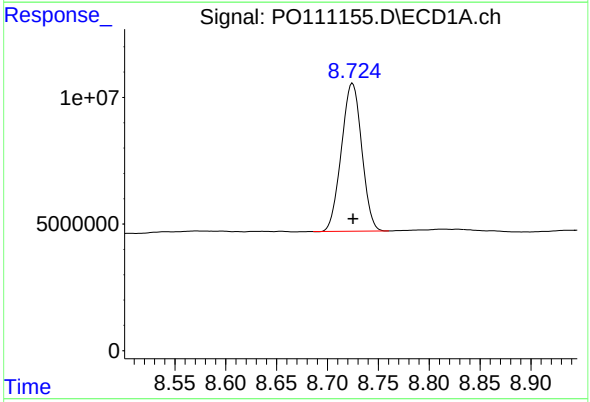
R.T.: 3.681 min
Delta R.T.: -0.002 min
Response: 116361653
Conc: 19.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB168039BL



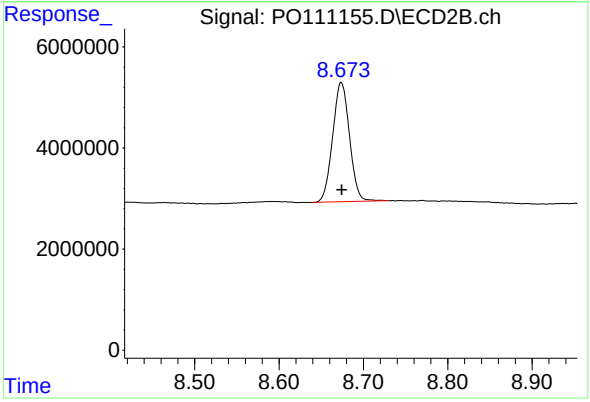
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: 0.000 min
Response: 94635660
Conc: 17.36 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: 0.000 min
Response: 81293388
Conc: 15.75 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.674 min
Delta R.T.: 0.000 min
Response: 32820415
Conc: 17.74 ng/ml

Raw Data: **PO111057.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/14/25
Project:	South River WM Replacement	Date Received:	05/14/25
Client Sample ID:	PIBLK-PO111057.D	SDG No.:	Q2032
Lab Sample ID:	I.BLK-PO111057.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111057.D	1		05/14/25	PO051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.4		60 - 140	77%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.5		60 - 140	87%	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: **PO111057.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111057.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 17:01
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:39:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:36:57 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...	3.683	3.679	96561347	84147358	16.413	15.436
2)	SA Decachlor...	8.723	8.674	90198524	33203686	17.471	17.947
	Target Compounds						

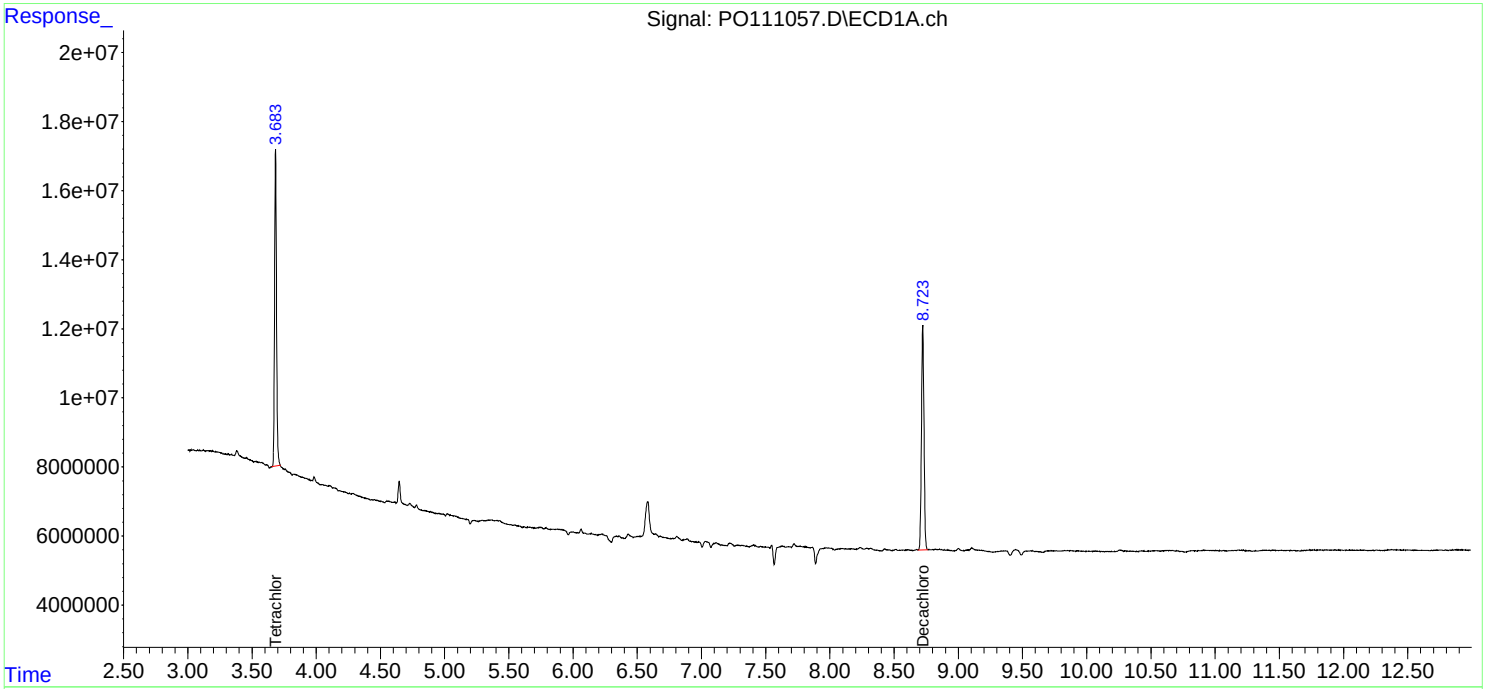
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

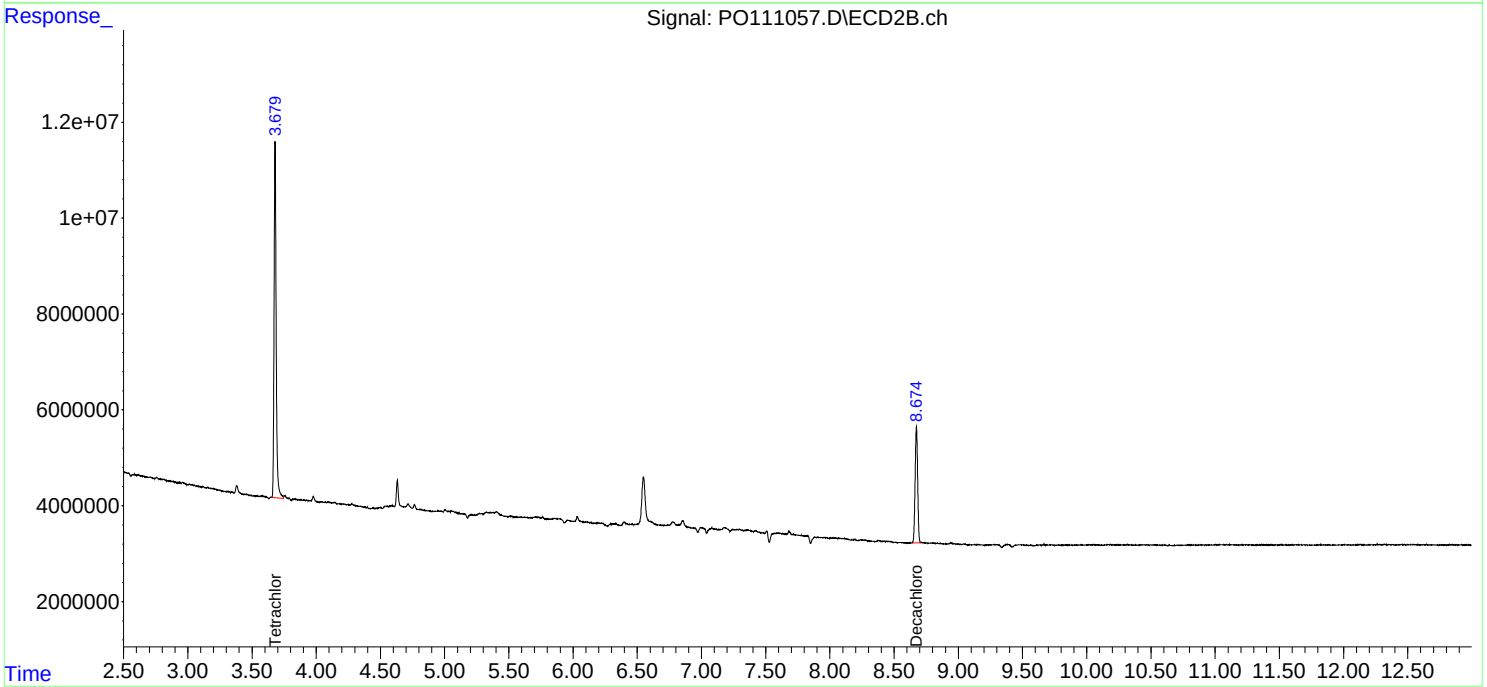
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111057.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 17:01
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

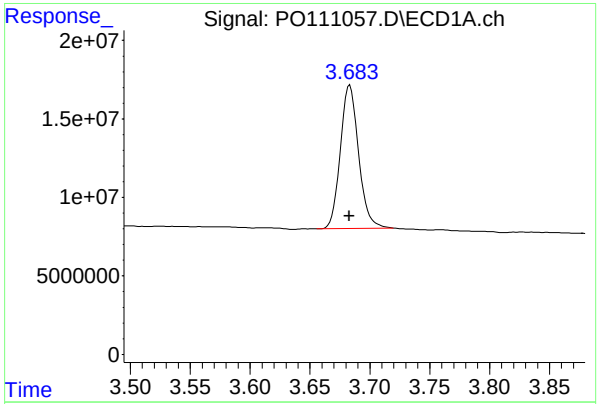
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:39:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:36:57 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



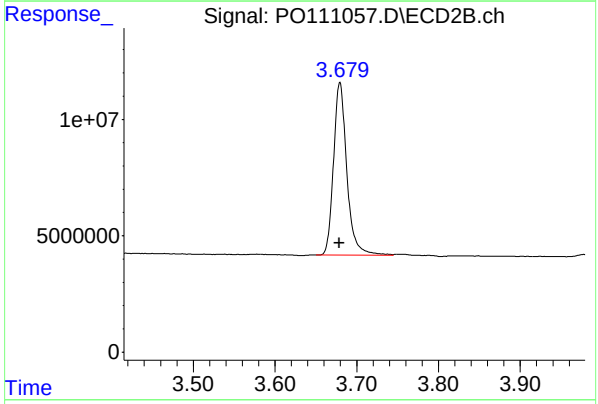




#1 Tetrachloro-m-xylene

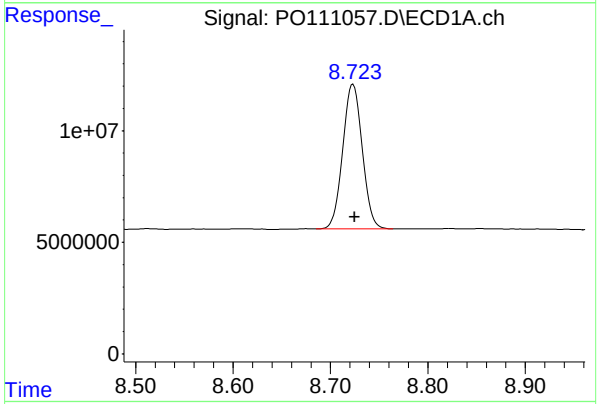
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 96561347
Conc: 16.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



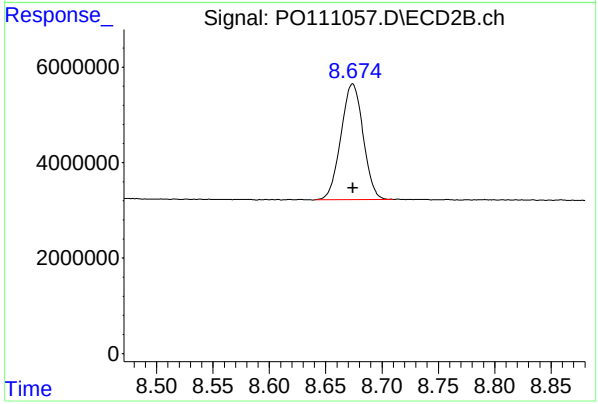
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: 0.000 min
Response: 84147358
Conc: 15.44 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.723 min
Delta R.T.: -0.002 min
Response: 90198524
Conc: 17.47 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.674 min
Delta R.T.: 0.000 min
Response: 33203686
Conc: 17.95 ng/ml

Raw Data: **PO111132.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	PIBLK-PO111132.D	SDG No.:	Q2032
Lab Sample ID:	I.BLK-PO111132.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111132.D	1		05/16/25	PO051725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.0		60 - 140	80%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		60 - 140	88%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111132.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 10:52
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 11:25:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.682	3.678	103.0E6	87309918	17.512	16.016
2)	SA Decachlor...	8.724	8.674	92919663	32507621	17.998	17.570
	Target Compounds						

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

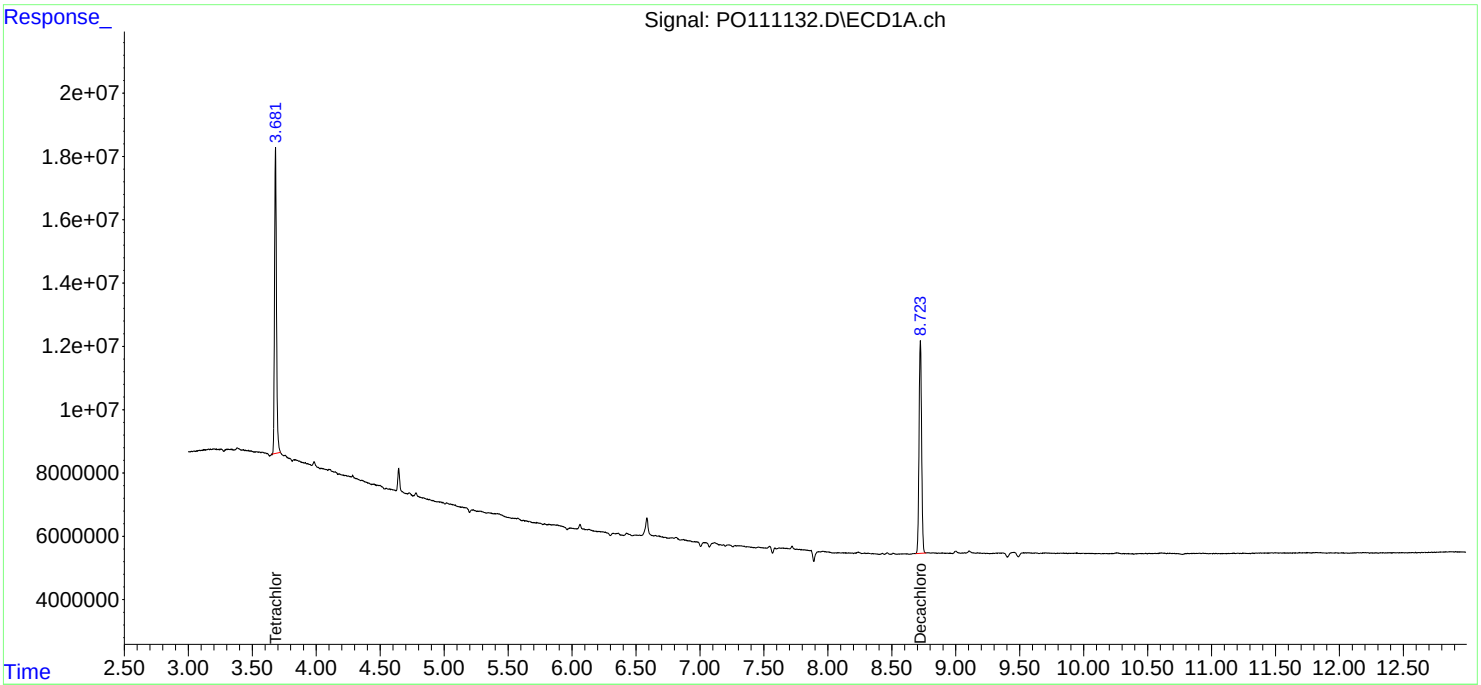
Sample Results: **PO111132.D**

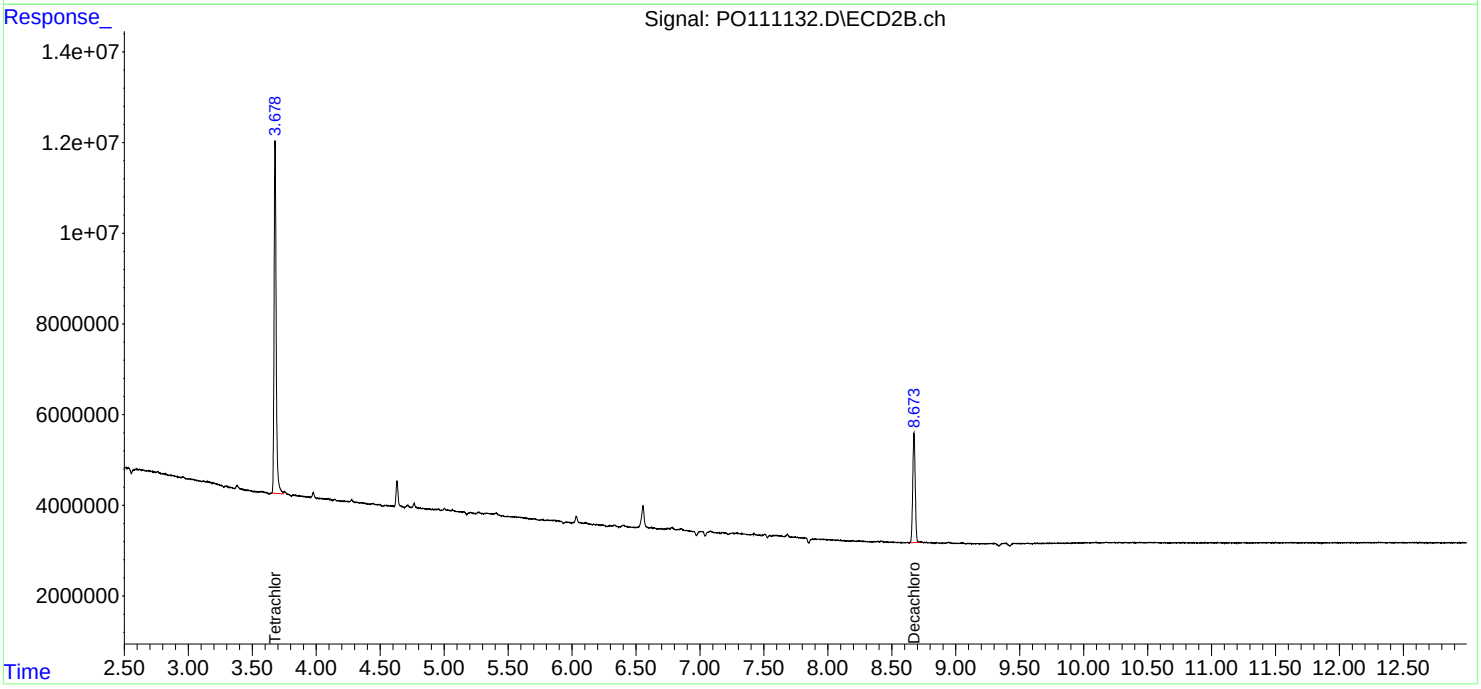
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111132.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 10:52
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

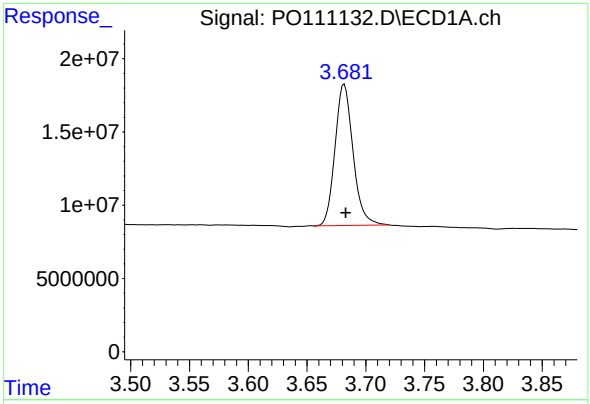
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 11:25:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



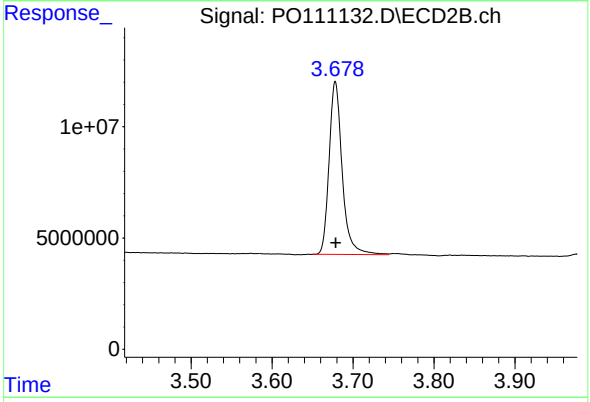




#1 Tetrachloro-m-xylene

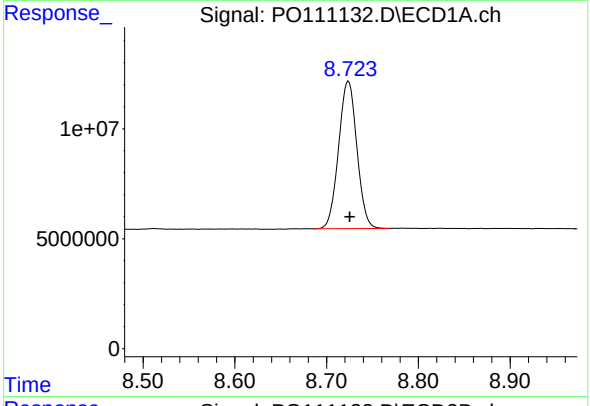
R.T.: 3.682 min
Delta R.T.: -0.001 min
Response: 103027333
Conc: 17.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



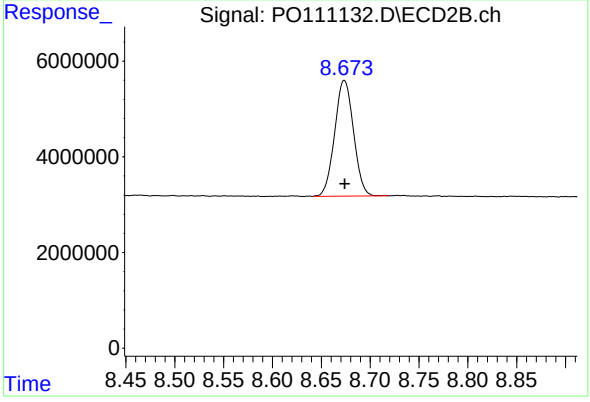
#1 Tetrachloro-m-xylene

R.T.: 3.678 min
Delta R.T.: 0.000 min
Response: 87309918
Conc: 16.02 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.724 min
Delta R.T.: -0.001 min
Response: 92919663
Conc: 18.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.674 min
Delta R.T.: 0.000 min
Response: 32507621
Conc: 17.57 ng/ml

Raw Data: **PO111147.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	PIBLK-PO111147.D	SDG No.:	Q2032
Lab Sample ID:	I.BLK-PO111147.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111147.D	1		05/16/25	po051725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.2		60 - 140	81%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		60 - 140	88%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 17:50
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 23:31:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.682	3.679	104.7E6	88151551	17.794	16.170
2)	SA Decachlor...	8.725	8.674	93371660	32652472	18.085	17.649
	Target Compounds						

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

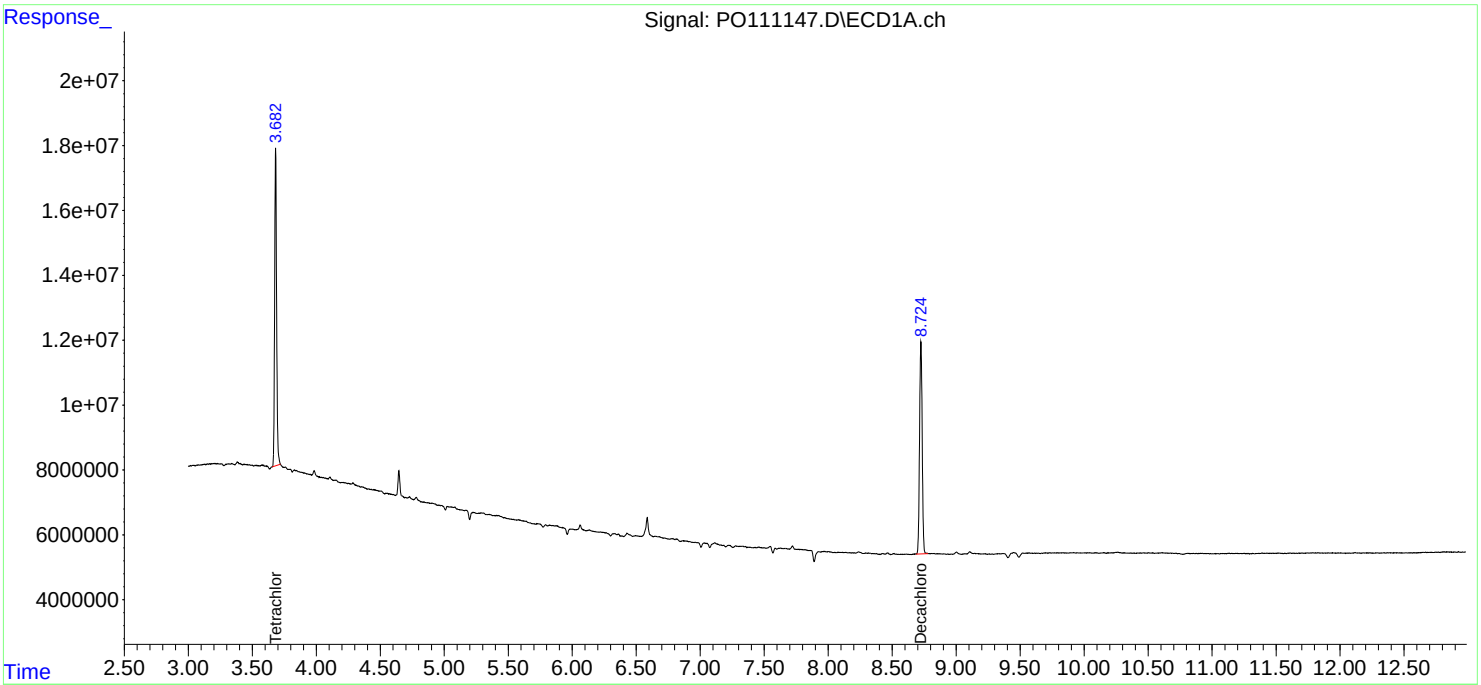
Sample Results: **PO111147.D**

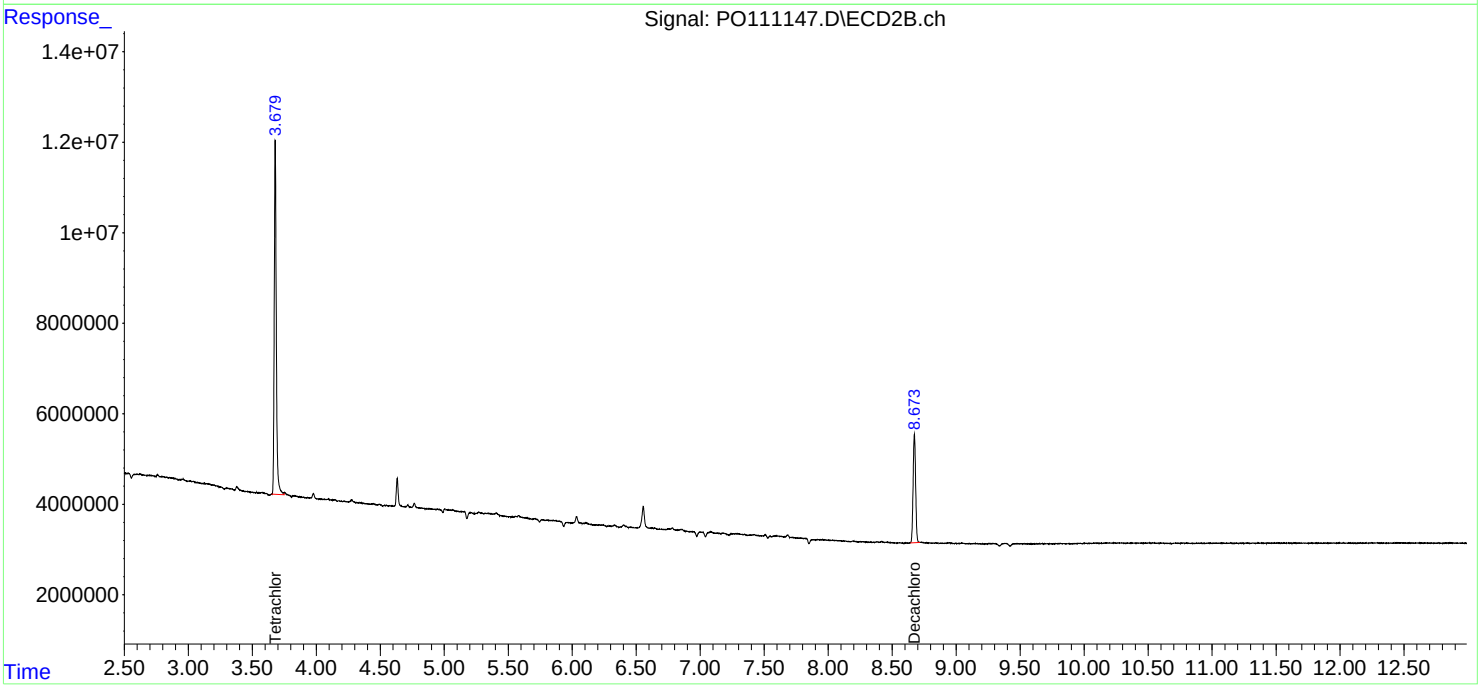
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 17:50
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

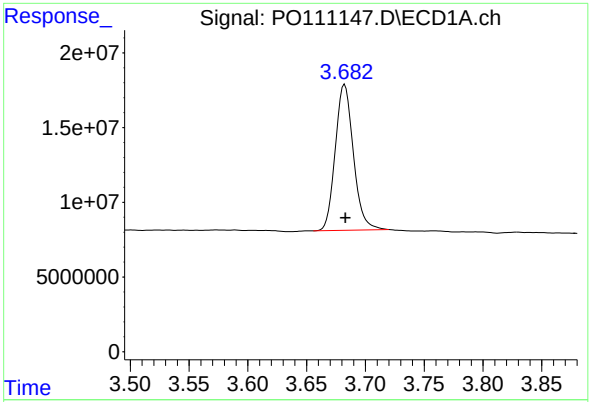
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 23:31:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



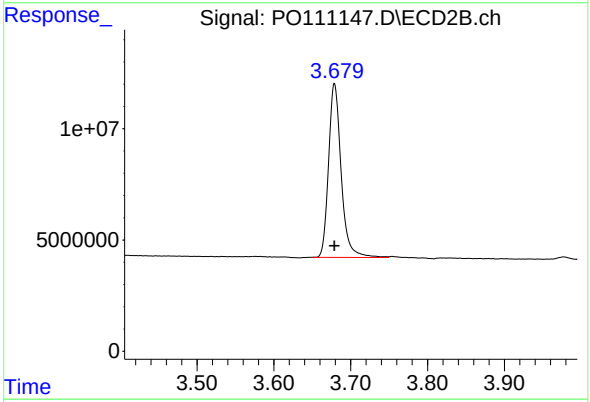




#1 Tetrachloro-m-xylene

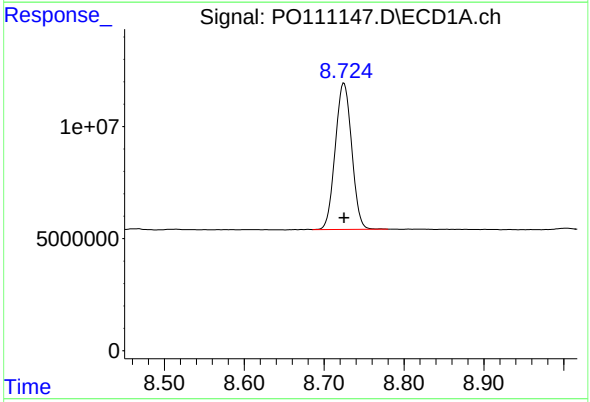
R.T.: 3.682 min
Delta R.T.: 0.000 min
Response: 104688649
Conc: 17.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



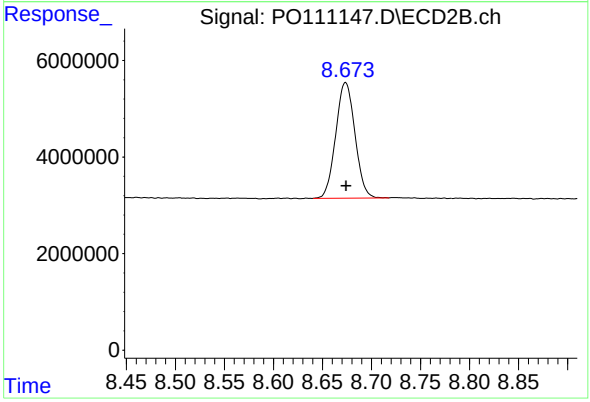
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: 0.000 min
Response: 88151551
Conc: 16.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: 0.000 min
Response: 93371660
Conc: 18.09 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.674 min
Delta R.T.: 0.000 min
Response: 32652472
Conc: 17.65 ng/ml

Raw Data: **PO111161.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	PIBLK-PO111161.D	SDG No.:	Q2032
Lab Sample ID:	I.BLK-PO111161.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111161.D	1		05/16/25	po051725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.5		60 - 140	83%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		60 - 140	87%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111161.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 23:29
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 17 00:00:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.681	3.679	106.2E6	90085533	18.051	16.525
2)	SA Decachlor...	8.724	8.673	91488174	32149241	17.720	17.377
	Target Compounds						

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

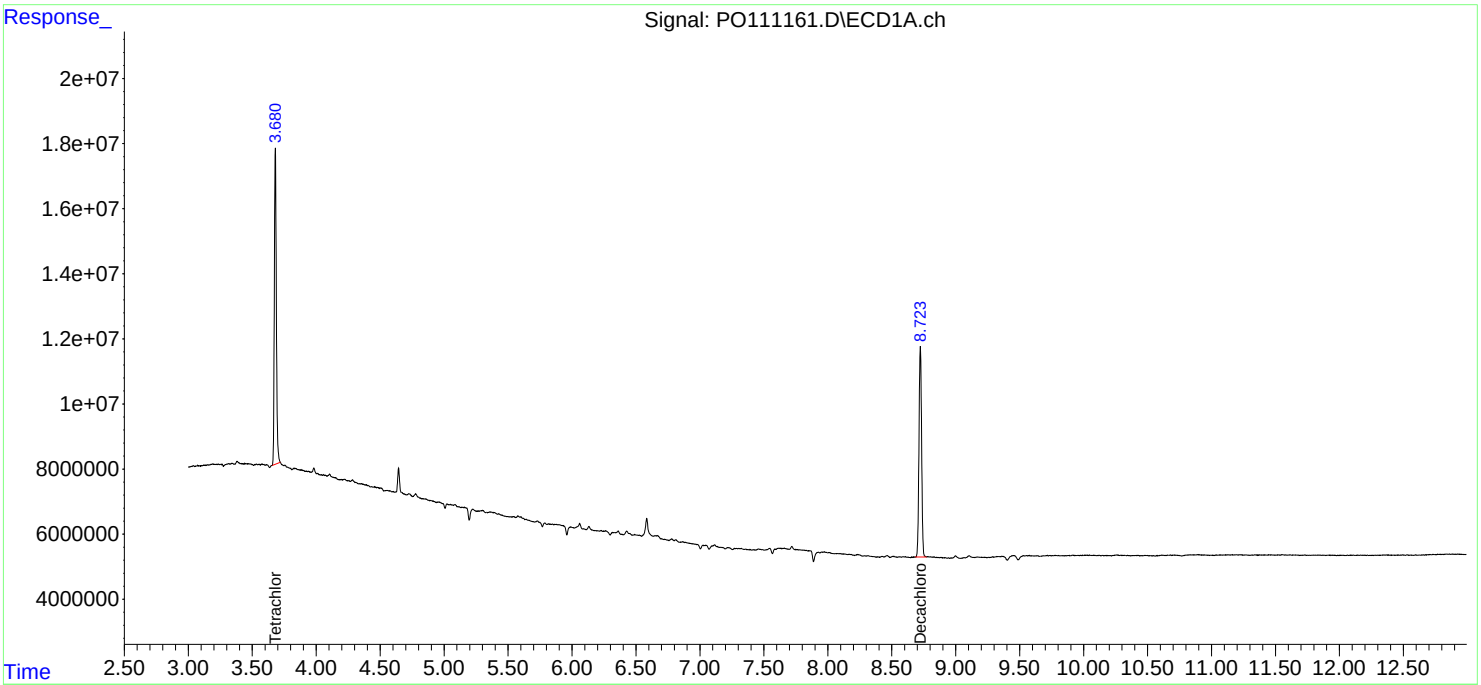
Sample Results: **PO111161.D**

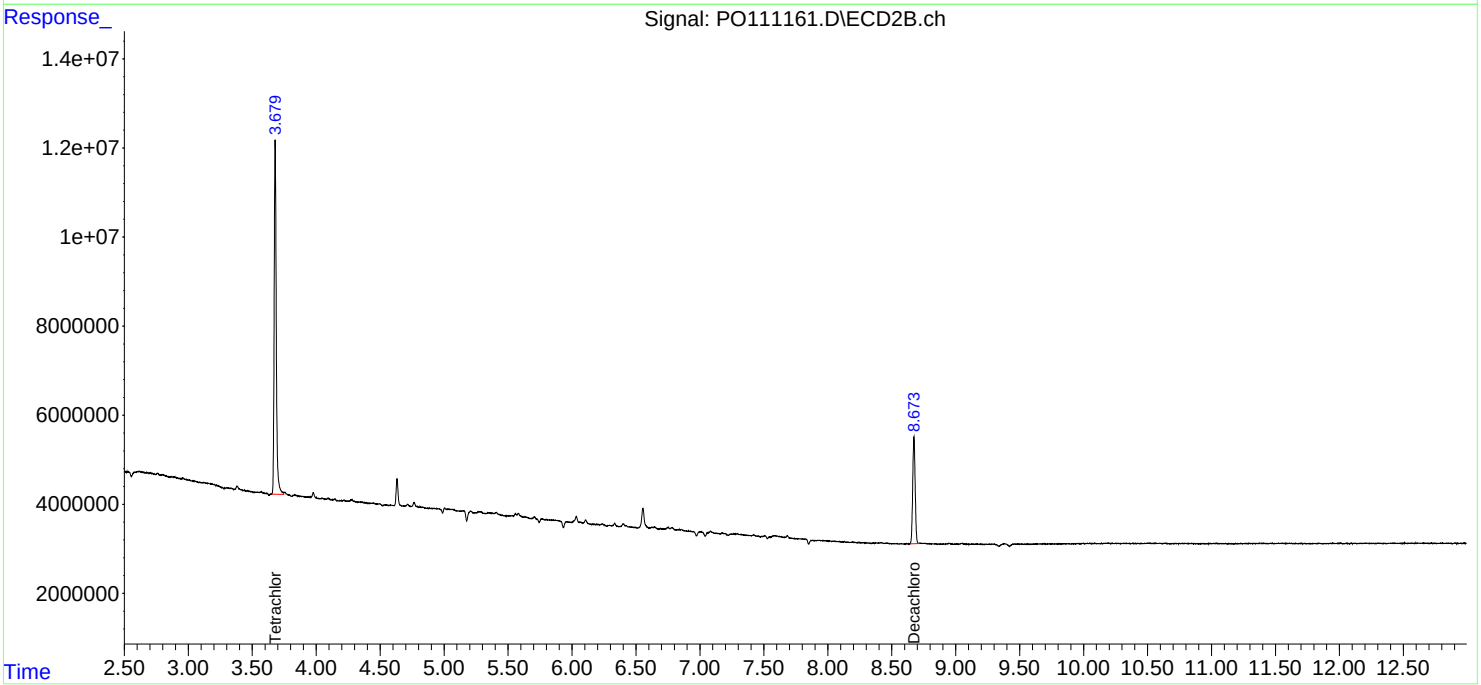
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111161.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 23:29
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

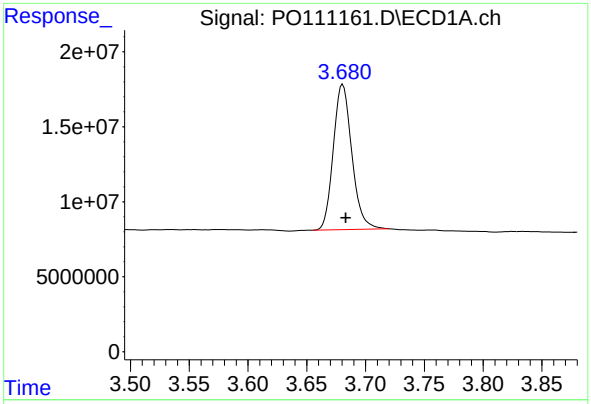
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 17 00:00:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



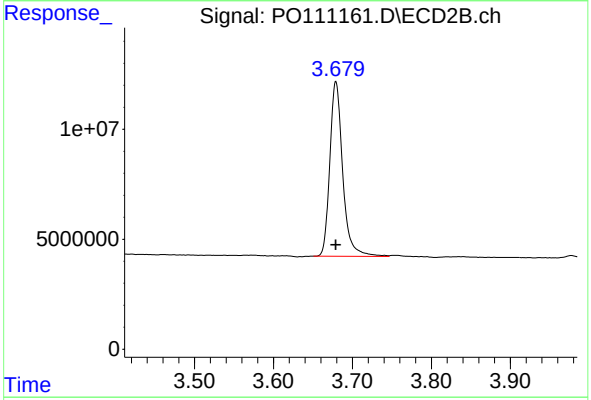




#1 Tetrachloro-m-xylene

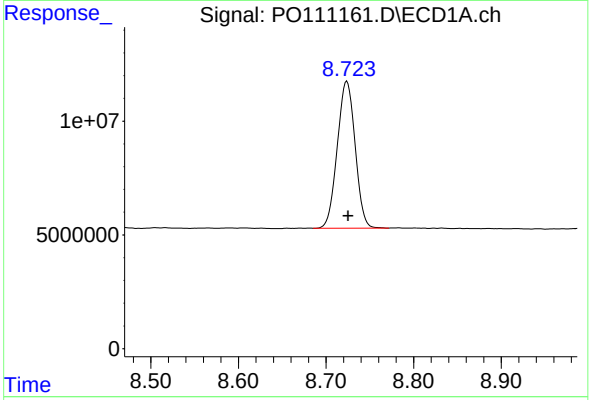
R.T.: 3.681 min
Delta R.T.: -0.002 min
Response: 106199388
Conc: 18.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



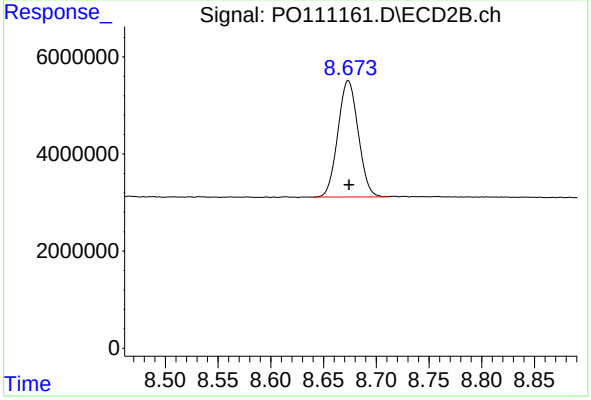
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: 0.000 min
Response: 90085533
Conc: 16.53 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.724 min
Delta R.T.: -0.001 min
Response: 91488174
Conc: 17.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.673 min
Delta R.T.: 0.000 min
Response: 32149241
Conc: 17.38 ng/ml

Raw Data: **PP071388.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	04/22/25
Project:	South River WM Replacement	Date Received:	04/22/25
Client Sample ID:	PIBLK-PP071388.D	SDG No.:	Q2032
Lab Sample ID:	I.BLK-PP071388.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071388.D	1		04/22/25	PP042225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.1		60 - 140	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		60 - 140	88%	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: **PP071388.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071388.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 10:13
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: Apr 22 19:33:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 17:08:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.512	3.811	33865777	24238749	17.081	17.207
2)	SA Decachlor...	10.233	8.847	25533987	15462668	17.634	17.630
	Target Compounds						

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

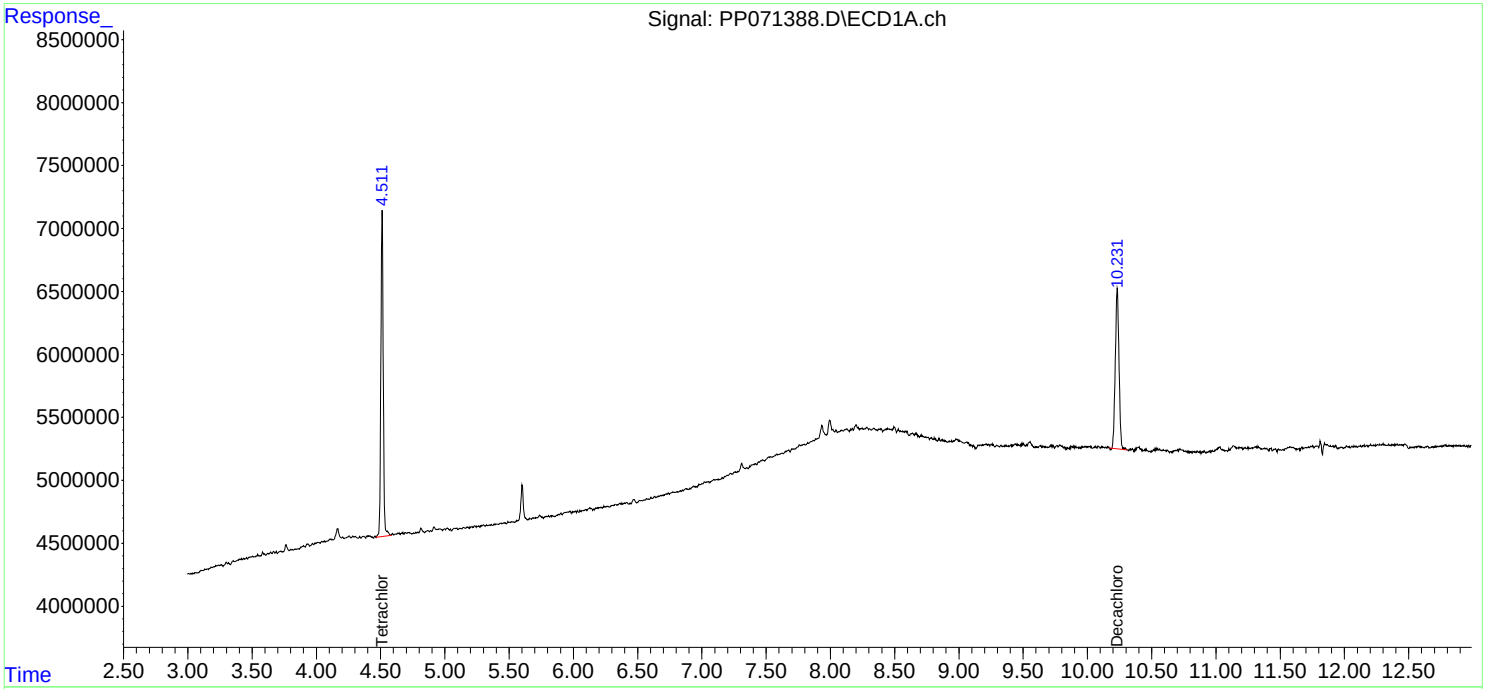
Sample Results: **PP071388.D**

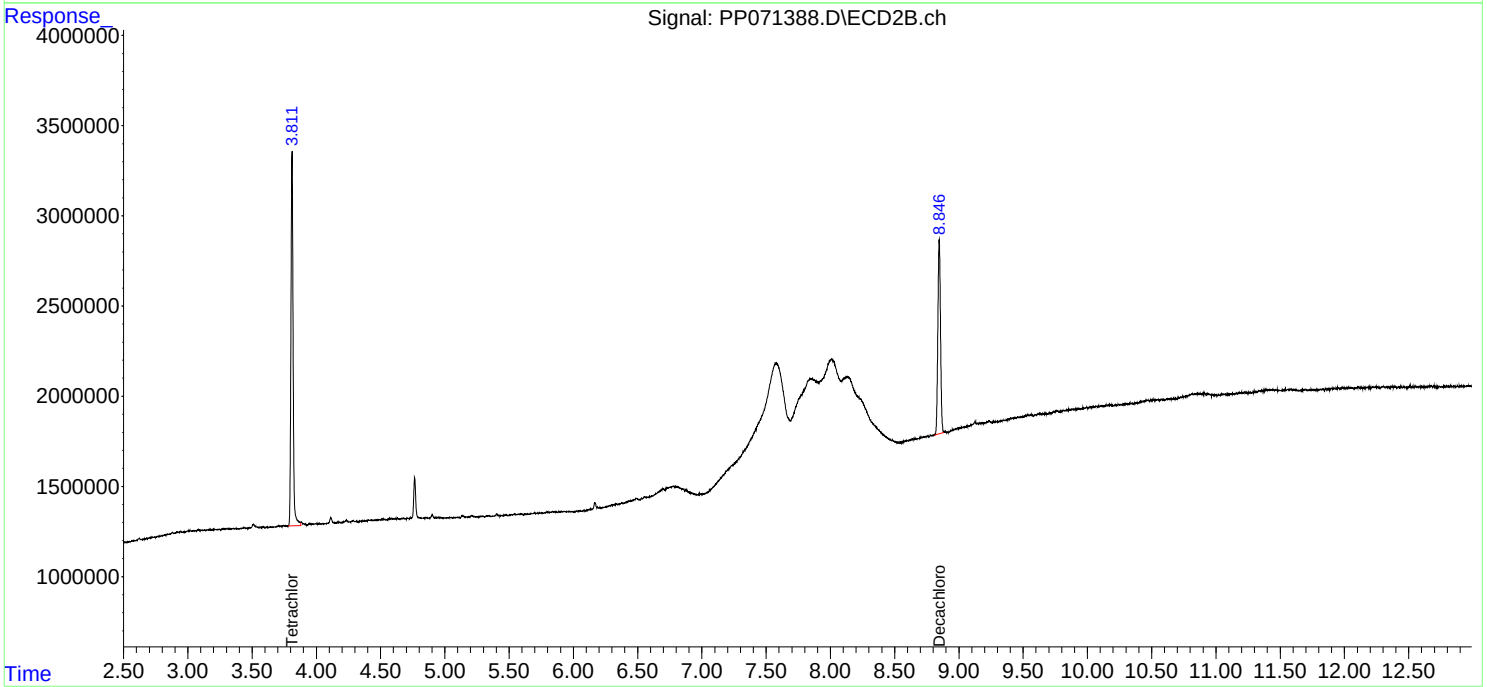
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071388.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 10:13
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

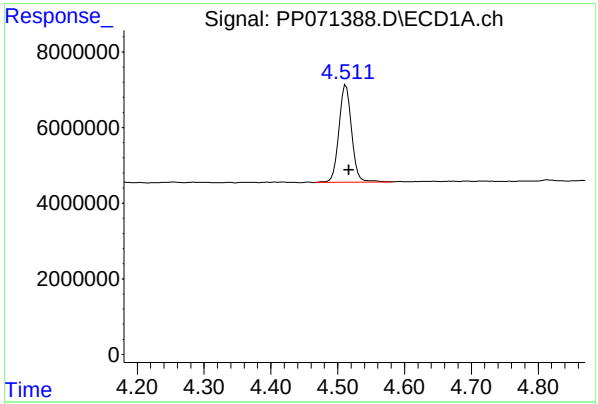
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 19:33:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 17:08:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



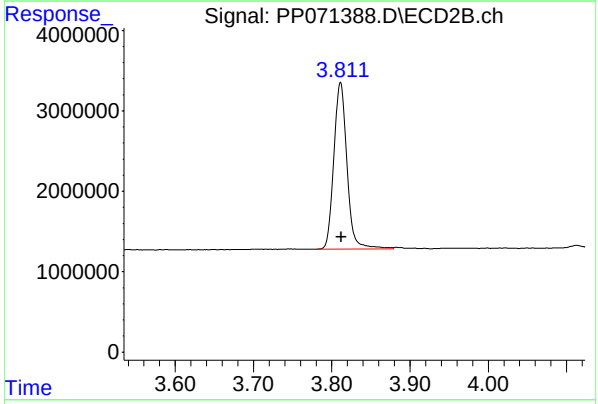




#1 Tetrachloro-m-xylene

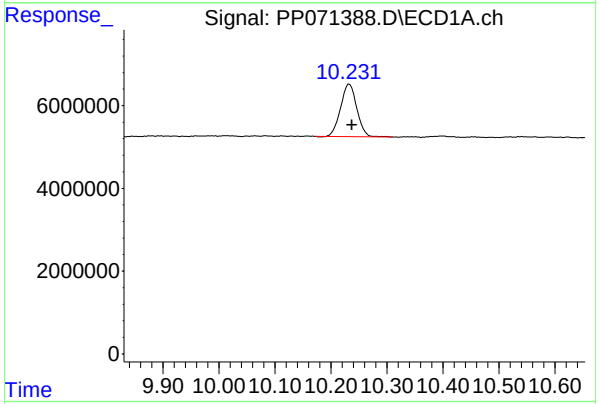
R.T.: 4.512 min
Delta R.T.: -0.005 mi
Response: 33865777
Conc: 17.08 ng/m

Instrument :
ECD_P
ClientSampleId :
I.BLK



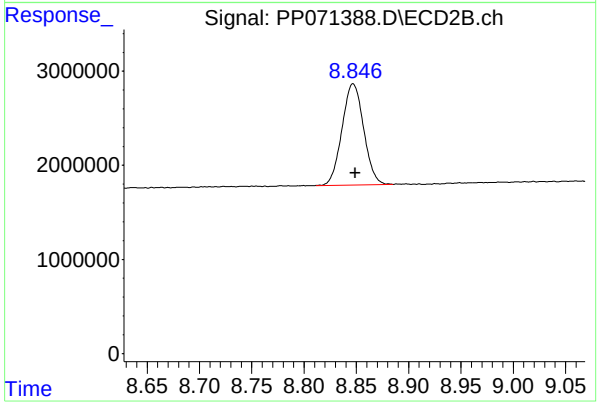
#1 Tetrachloro-m-xylene

R.T.: 3.811 min
Delta R.T.: -0.001 min
Response: 24238749
Conc: 17.21 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.233 min
Delta R.T.: -0.005 min
Response: 25533987
Conc: 17.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.847 min
Delta R.T.: -0.002 min
Response: 15462668
Conc: 17.63 ng/ml

Raw Data: **PP072080.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PP072080.D	SDG No.:	Q2032
Lab Sample ID:	I.BLK-PP072080.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072080.D	1		05/15/25	pp051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.7		60 - 140	83%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.4		60 - 140	92%	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: **PP072080.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072080.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 05:27
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 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:27:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.504	3.801	33097214	27368255	16.694	19.429m
2)	SA Decachlor...	10.212	8.825	26591585	18322660	18.364	20.891m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072080.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 05:27
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

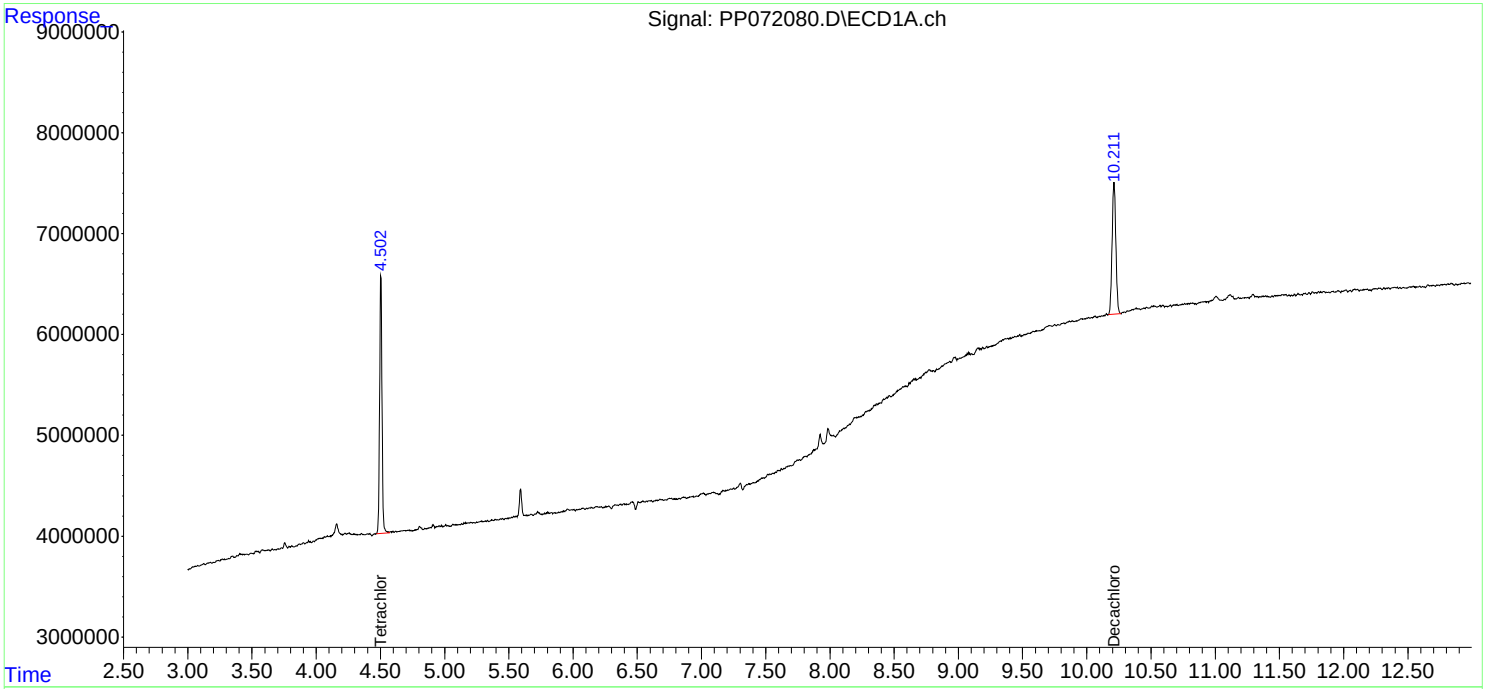
Instrument :
ECD_P
ClientSampleId :
I.BLK

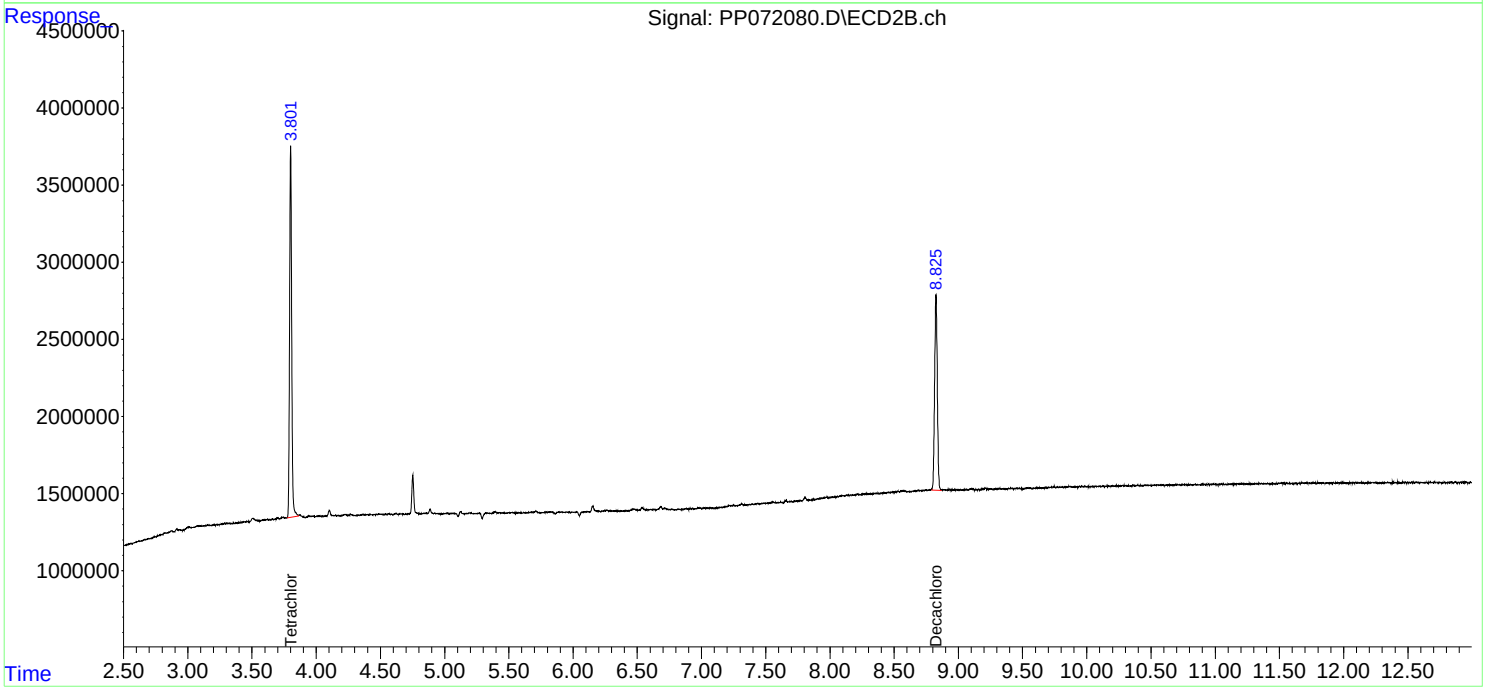
Manual Integrations APPROVED

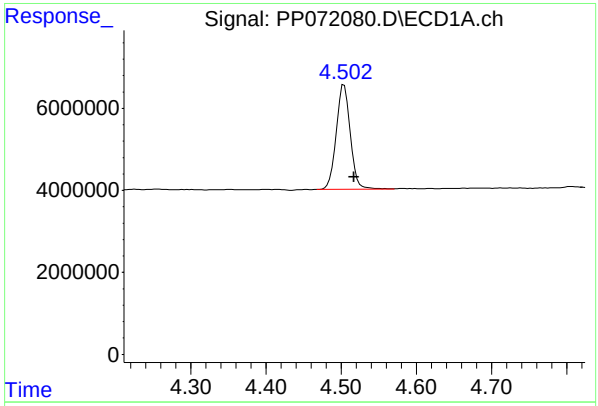
Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:27:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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







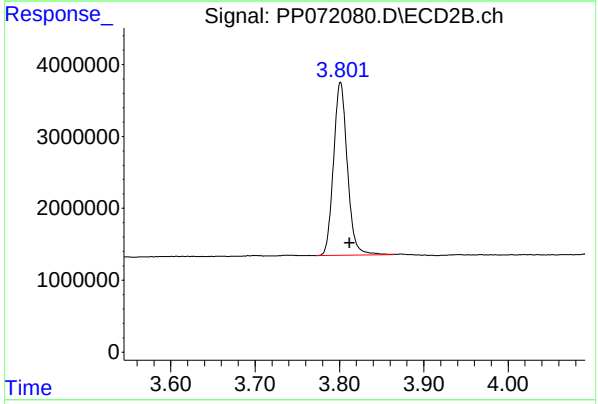
#1 Tetrachloro-m-xylene

R.T.: 4.504 min
Delta R.T.: -0.013 mi
Response: 33097214
Conc: 16.69 ng/m

Instrument :
ECD_P
ClientSampleId :
I.BLK

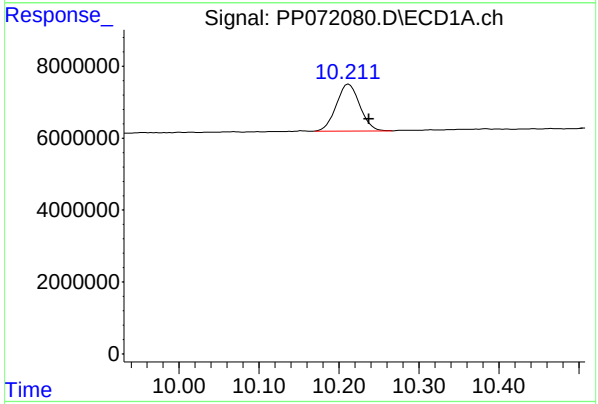
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025



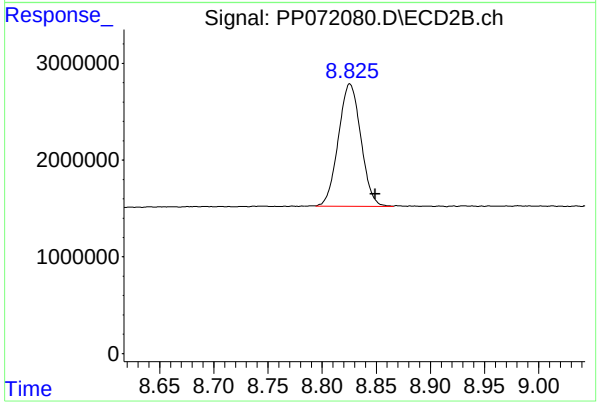
#1 Tetrachloro-m-xylene

R.T.: 3.801 min
Delta R.T.: -0.011 min
Response: 27368255
Conc: 19.43 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.212 min
Delta R.T.: -0.025 min
Response: 26591585
Conc: 18.36 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.825 min
Delta R.T.: -0.024 min
Response: 18322660
Conc: 20.89 ng/ml m

Raw Data: **PP072095.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PP072095.D	SDG No.:	Q2032
Lab Sample ID:	I.BLK-PP072095.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072095.D	1		05/15/25	PP051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.9		60 - 140	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.9		60 - 140	90%	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: **PP072095.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072095.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 10:22
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 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 12:09:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.507	3.801	33527146	27037046	16.910	19.194m
2)	SA Decachlor...	10.216	8.825	25977191	18413860	17.940	20.995m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072095.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 10:22
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

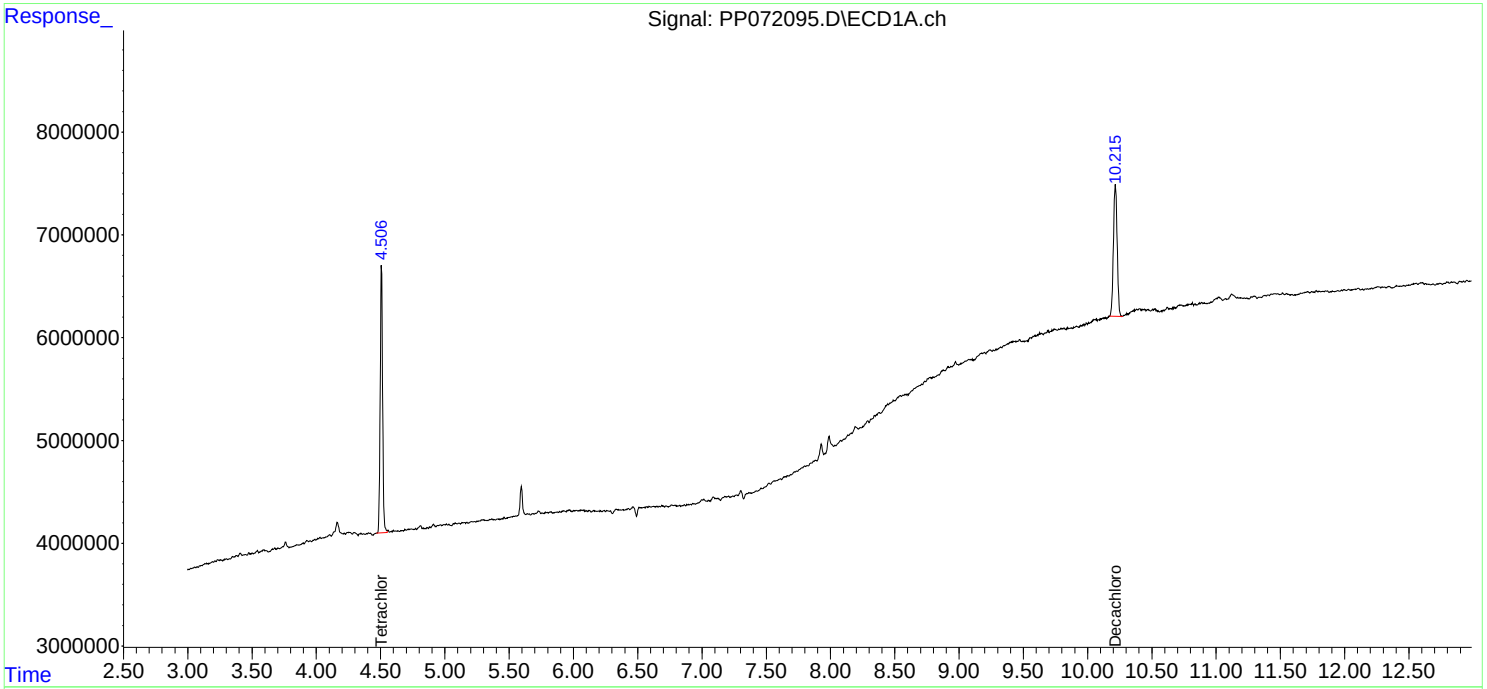
Instrument :
ECD_P
ClientSampleId :
I.BLK

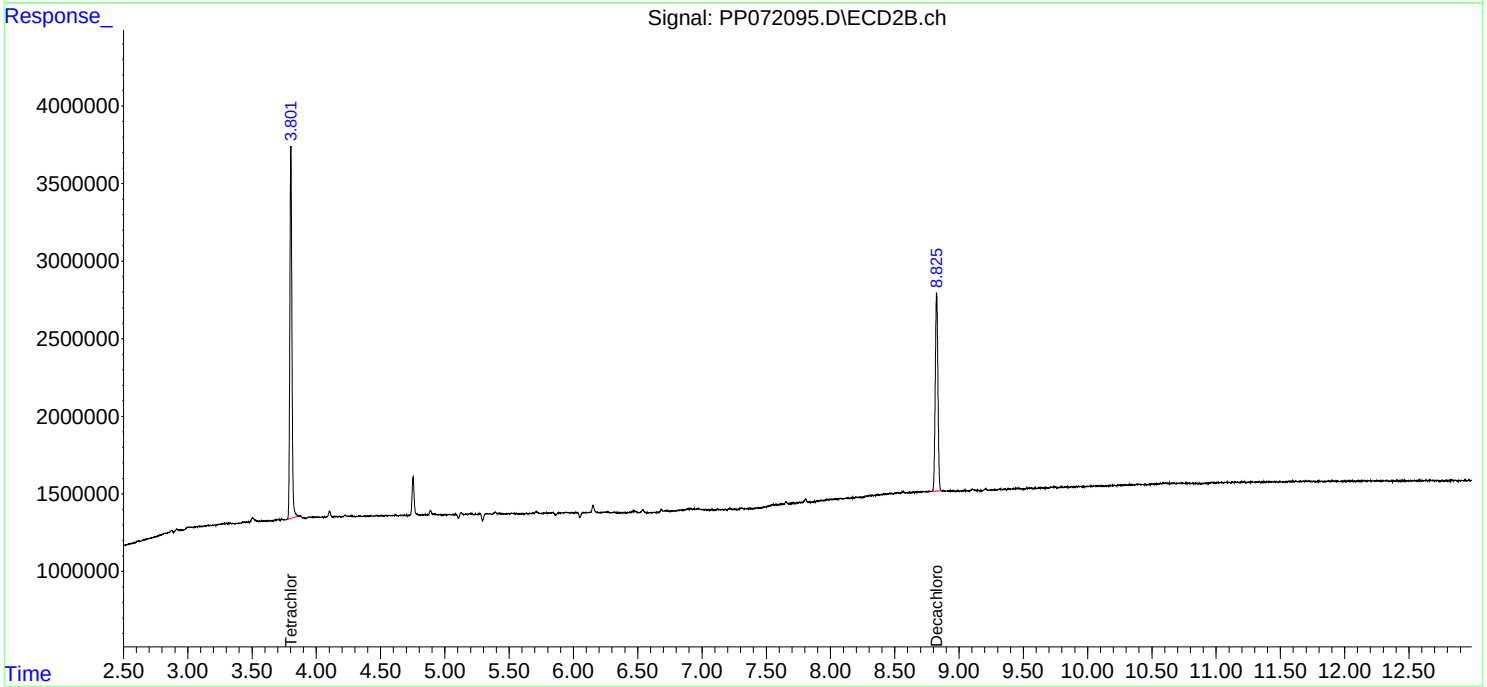
Manual Integrations APPROVED

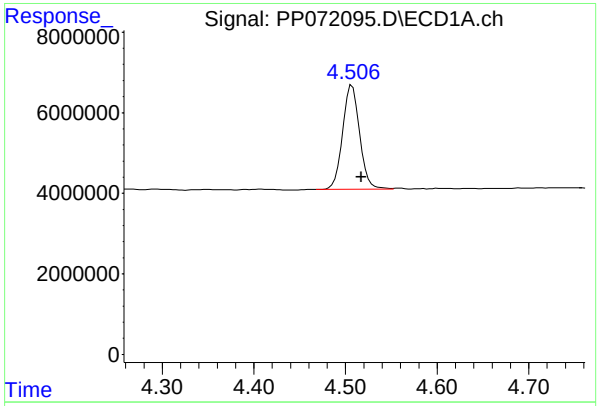
Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 12:09:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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







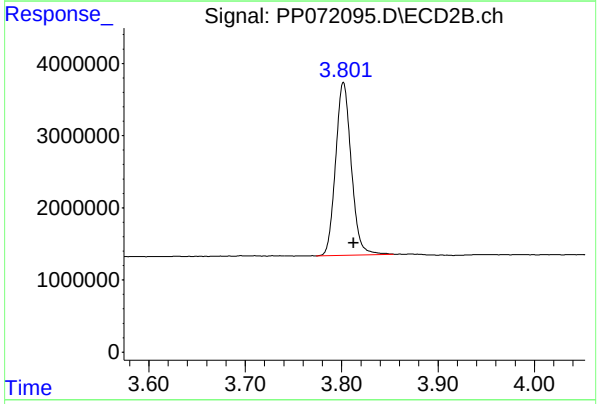
#1 Tetrachloro-m-xylene

R.T.: 4.507 min
Delta R.T.: -0.010 mi
Response: 33527146
Conc: 16.91 ng/m

Instrument :
ECD_P
ClientSampleId :
I.BLK

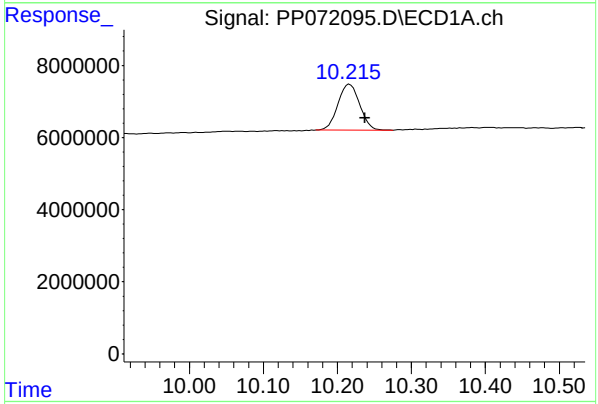
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025



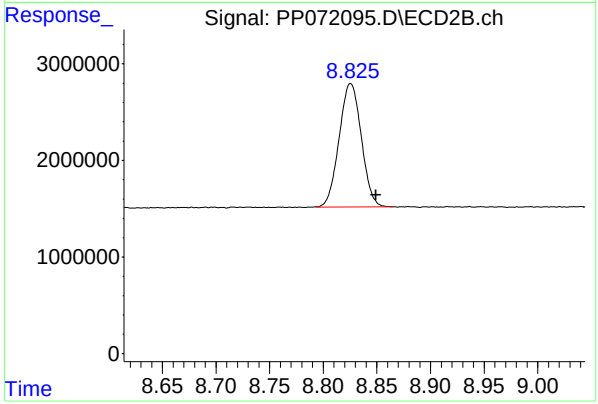
#1 Tetrachloro-m-xylene

R.T.: 3.801 min
Delta R.T.: -0.011 min
Response: 27037046
Conc: 19.19 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.216 min
Delta R.T.: -0.021 min
Response: 25977191
Conc: 17.94 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.825 min
Delta R.T.: -0.024 min
Response: 18413860
Conc: 21.00 ng/ml m

Raw Data: **PP072101.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PP072101.D	SDG No.:	Q2032
Lab Sample ID:	I.BLK-PP072101.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072101.D	1		05/15/25	PP051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.1		60 - 140	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.3		60 - 140	91%	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: **PP072101.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051525\
Data File : PP072101.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 12:35
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 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 12:53:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.504	3.801	33818052	26816229	17.057	19.037m
2)	SA Decachlor...	10.212	8.824	26422944	19482699	18.248m	22.214m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051525\
Data File : PP072101.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 12:35
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

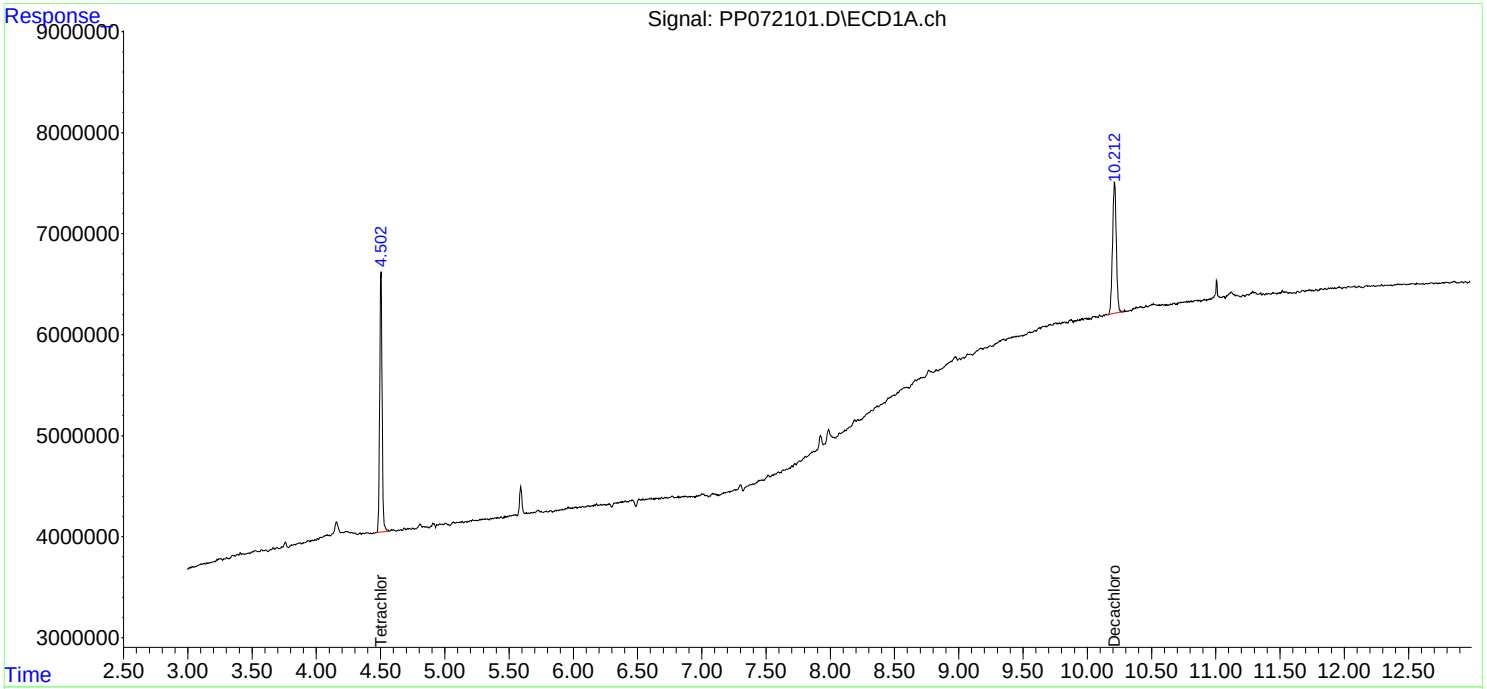
Instrument :
ECD_P
ClientSampleId :
I.BLK

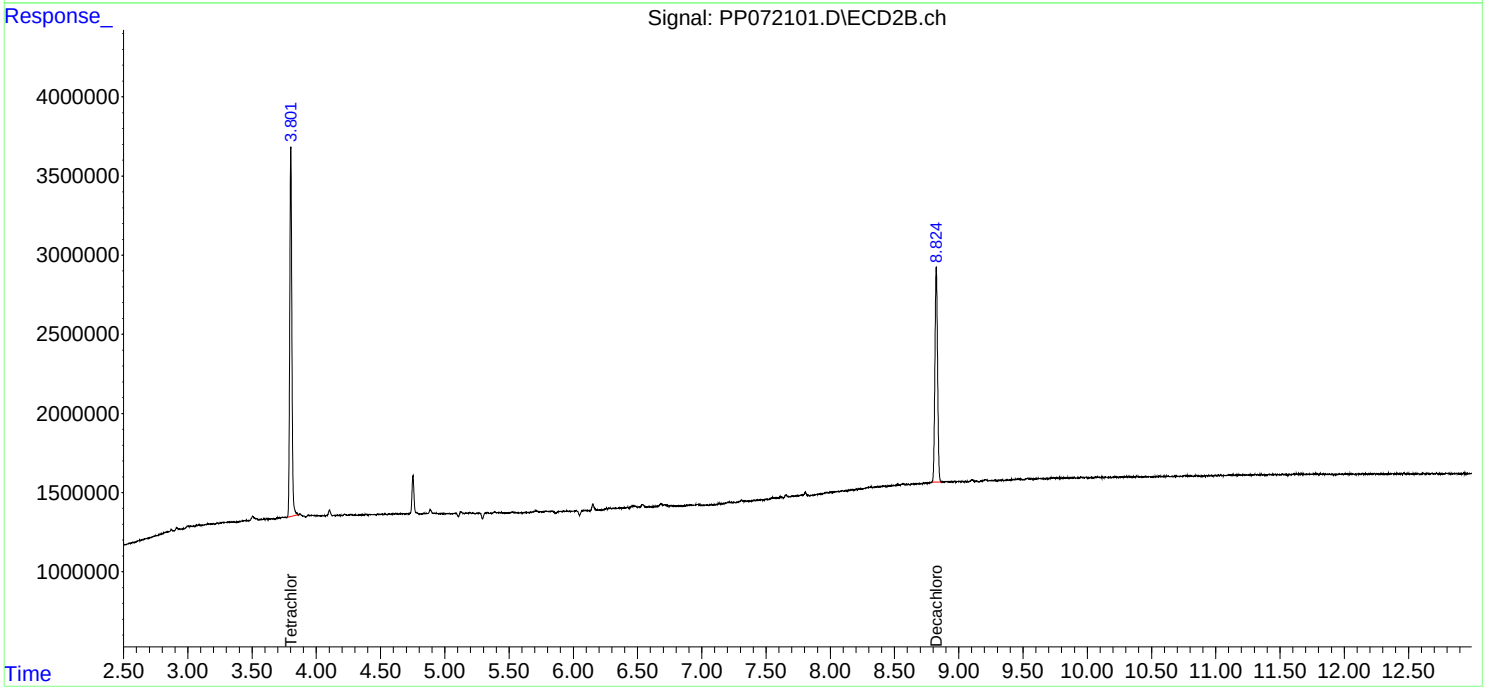
Manual Integrations APPROVED

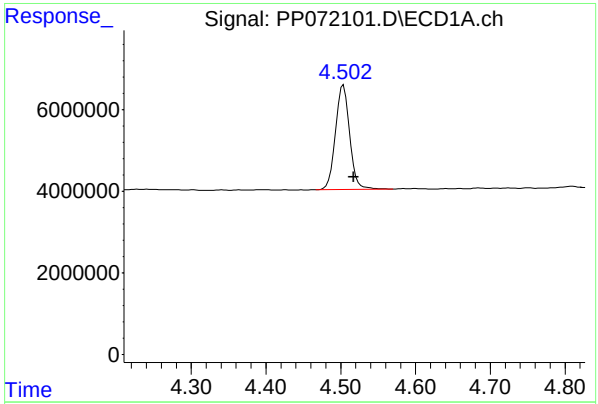
Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 12:53:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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







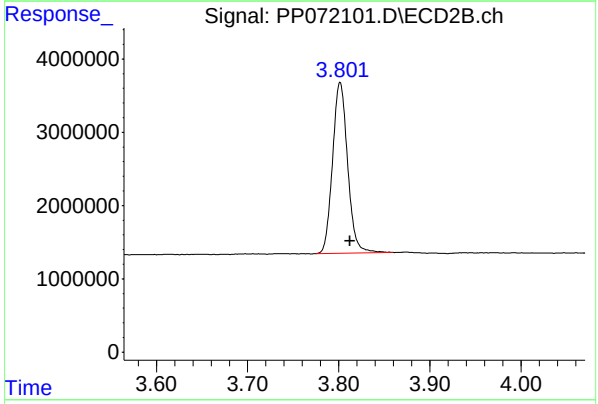
#1 Tetrachloro-m-xylene

R.T.: 4.504 min
Delta R.T.: -0.013 mi
Response: 33818052
Conc: 17.06 ng/m

Instrument :
ECD_P
ClientSampleId :
I.BLK

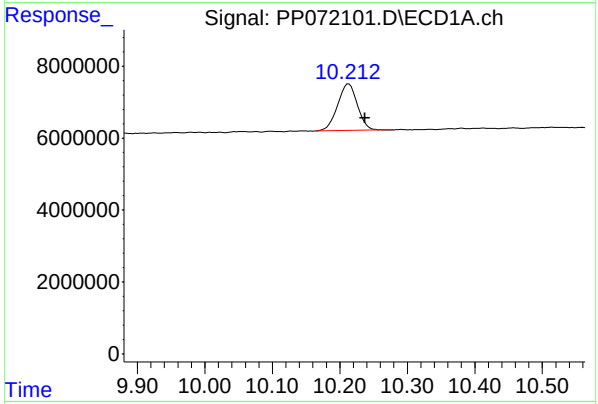
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025



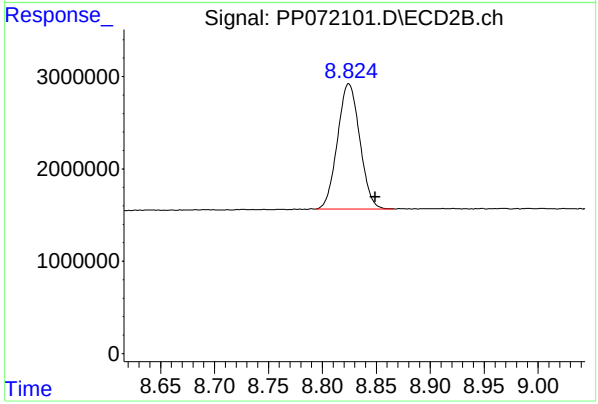
#1 Tetrachloro-m-xylene

R.T.: 3.801 min
Delta R.T.: -0.011 min
Response: 26816229
Conc: 19.04 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.212 min
Delta R.T.: -0.026 min
Response: 26422944
Conc: 18.25 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.824 min
Delta R.T.: -0.025 min
Response: 19482699
Conc: 22.21 ng/ml m

Raw Data: **PP072116.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PP072116.D	SDG No.:	Q2032
Lab Sample ID:	I.BLK-PP072116.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072116.D	1		05/15/25	pp051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.3		60 - 140	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		60 - 140	91%	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: **PP072116.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051525\
Data File : PP072116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 18:04
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 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:22:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.508	3.802	34259382	26034841	17.280	18.482m
2)	SA Decachlor...	10.217	8.826	26275960	18626138	18.146	21.237m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051525\
Data File : PP072116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 18:04
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

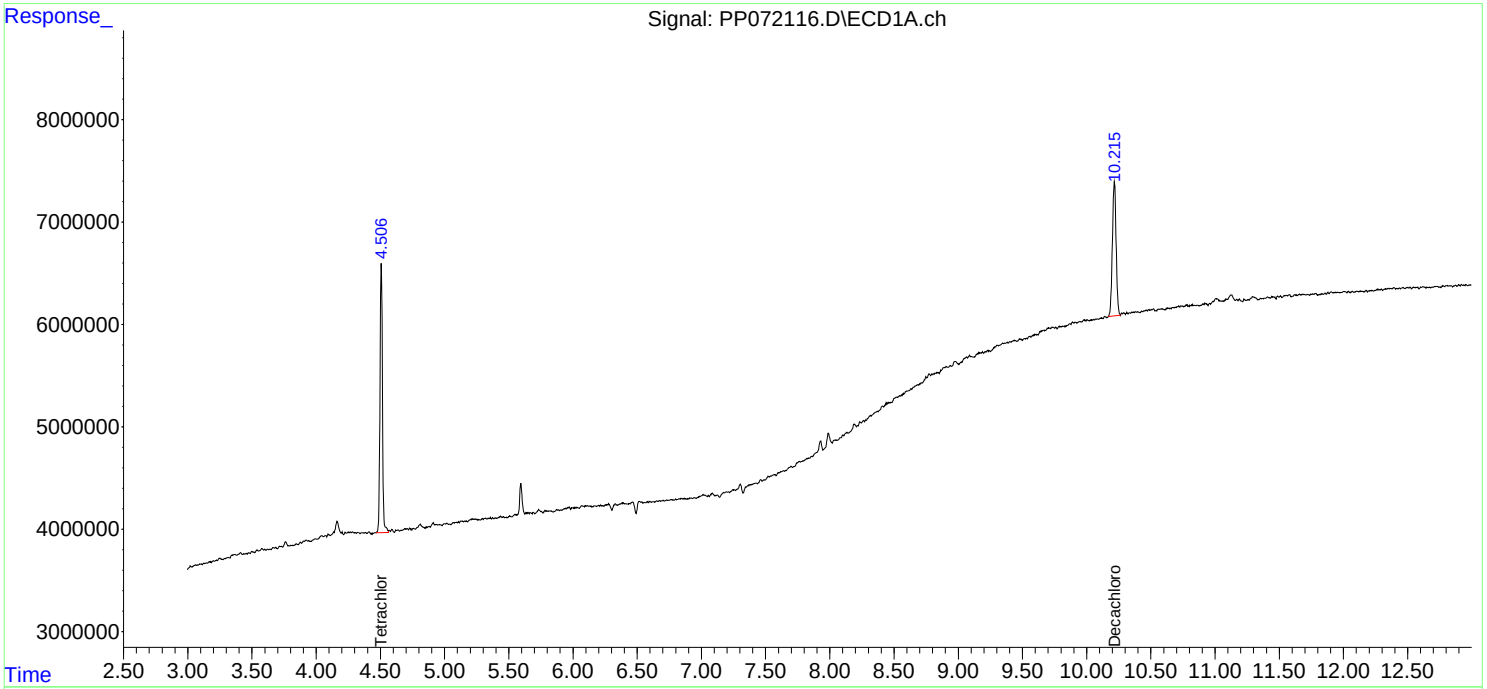
Instrument :
ECD_P
ClientSampleId :
I.BLK

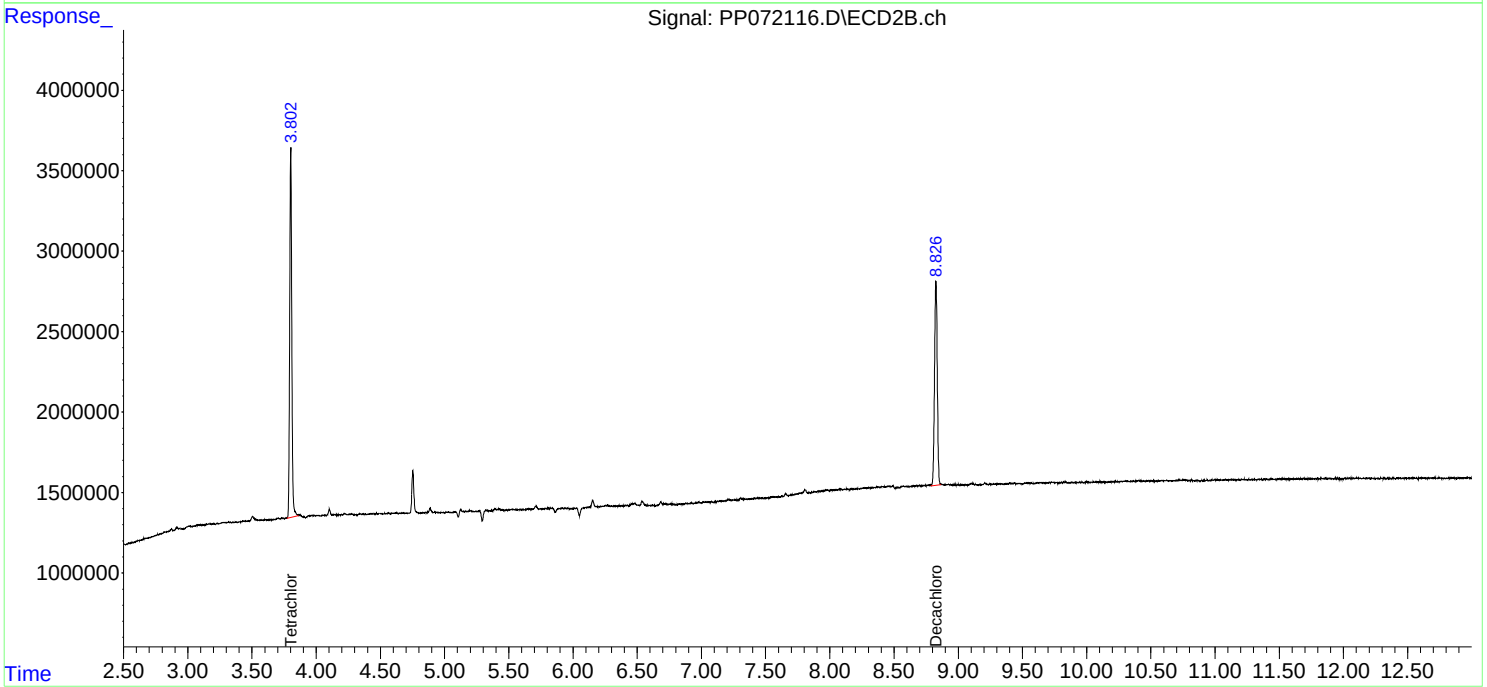
Manual Integrations APPROVED

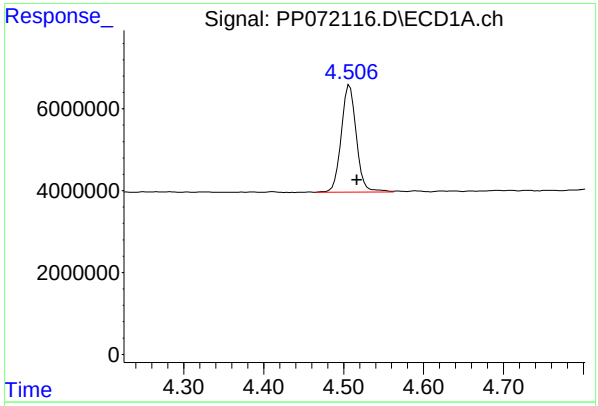
Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:22:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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







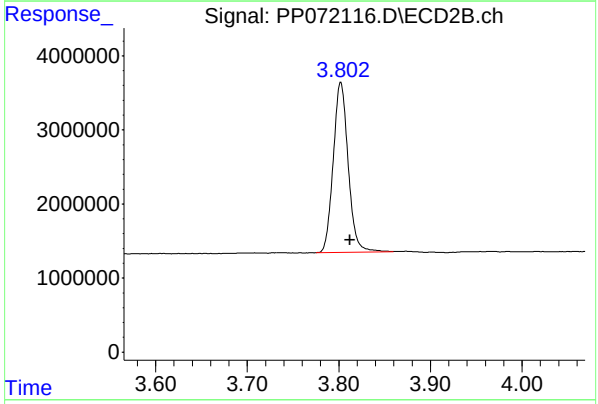
#1 Tetrachloro-m-xylene

R.T.: 4.508 min
Delta R.T.: -0.009 mi
Response: 34259382
Conc: 17.28 ng/m

Instrument :
ECD_P
ClientSampleId :
I.BLK

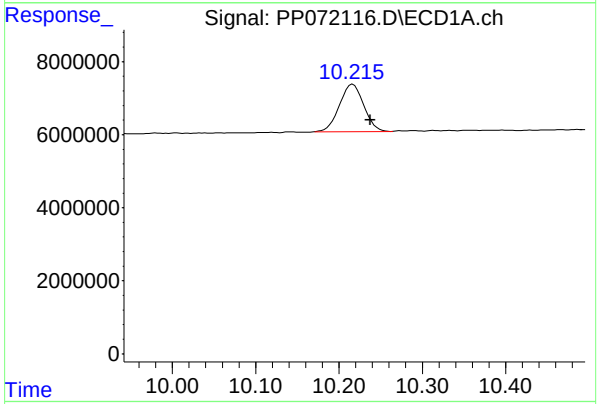
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025



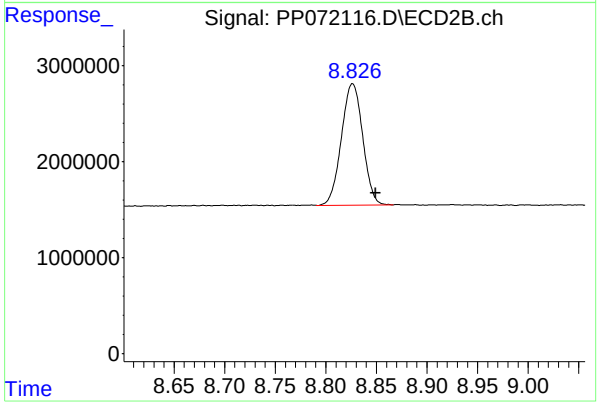
#1 Tetrachloro-m-xylene

R.T.: 3.802 min
Delta R.T.: -0.011 min
Response: 26034841
Conc: 18.48 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: -0.021 min
Response: 26275960
Conc: 18.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.826 min
Delta R.T.: -0.023 min
Response: 18626138
Conc: 21.24 ng/ml m

Raw Data: **PP072082.D**

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

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168005BS		SDG No.:	Q2032	
Lab Sample ID:	PB168005BS		Matrix:	WATER	
Analytical Method:	8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072082.D	1	05/14/25 09:08	05/15/25 05:59	PB168005

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.90		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.90		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.2		16 - 158	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.0		10 - 173	115%	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: **PP072082.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072082.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 05:59
Operator : YP\AJ
Sample : PB168005BS
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168005BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:28:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.507	3.801	38411540	29860823	19.374	21.198m
2)	SA Decachlor...	10.215	8.824	29952930	20134857	20.686	22.957m
	Target Compounds						
3)	L1 AR-1016-1	5.660	4.884	26968884	26111318	402.222	487.756m
4)	L1 AR-1016-2	5.682	4.902	47104369	36665498	458.980	480.143m
5)	L1 AR-1016-3	5.743	5.079	28182901	20964774	457.165	496.673m
6)	L1 AR-1016-4	5.841	5.121	23458186	17426477	457.291	505.321m
7)	L1 AR-1016-5	6.131	5.335	26232671	21072523	543.813m	474.101
31)	L7 AR-1260-1	7.251	6.367	43922701	36559677	457.411	505.672
32)	L7 AR-1260-2	7.506	6.556	66103165	44274625	462.010	506.219
33)	L7 AR-1260-3	7.863	6.708	45027940	40038765	401.662	510.779 #
34)	L7 AR-1260-4	8.087	7.179	47265182	28832740	418.777	456.860m
35)	L7 AR-1260-5	8.407	7.422	97226918	68587149	429.119	454.890

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072082.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 05:59
Operator : YP\AJ
Sample : PB168005BS
Misc :
ALS Vial : 38 Sample Multiplier: 1

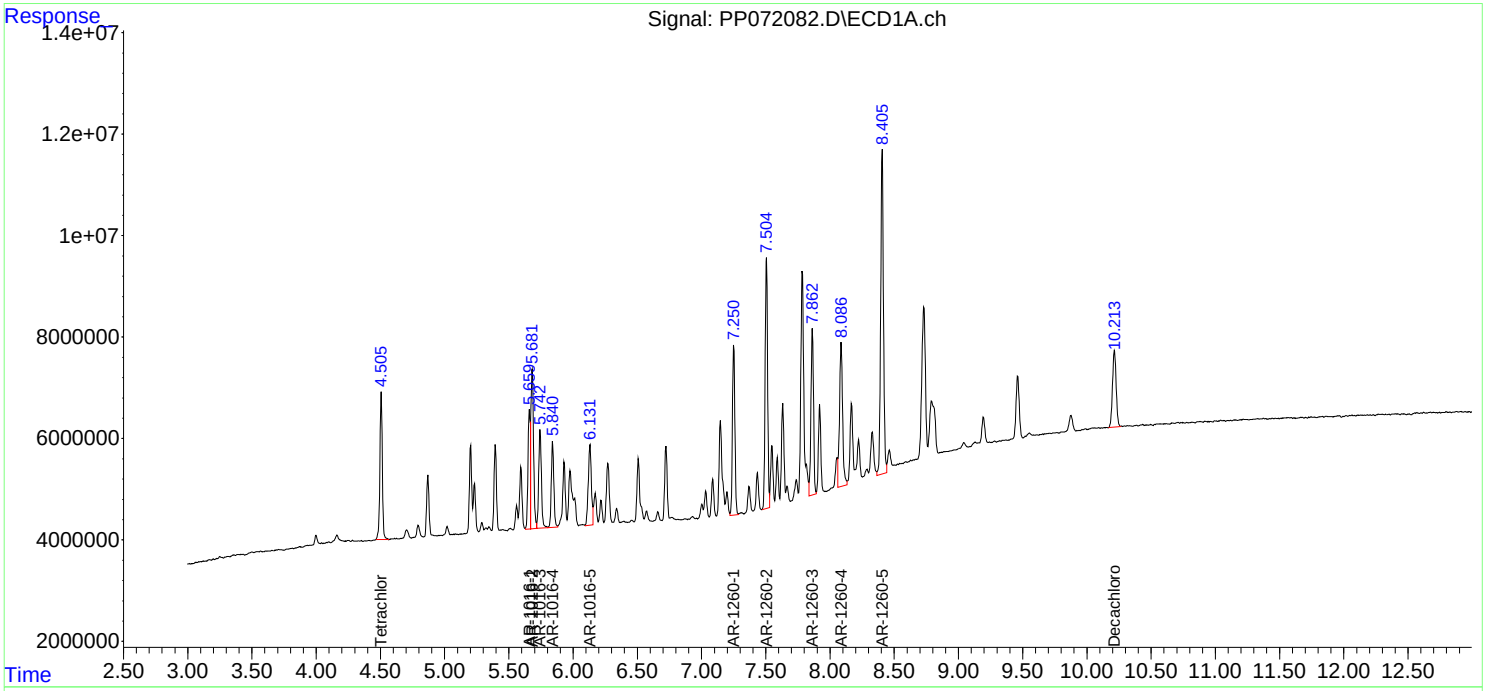
Instrument :
ECD_P
ClientSampleId :
PB168005BS

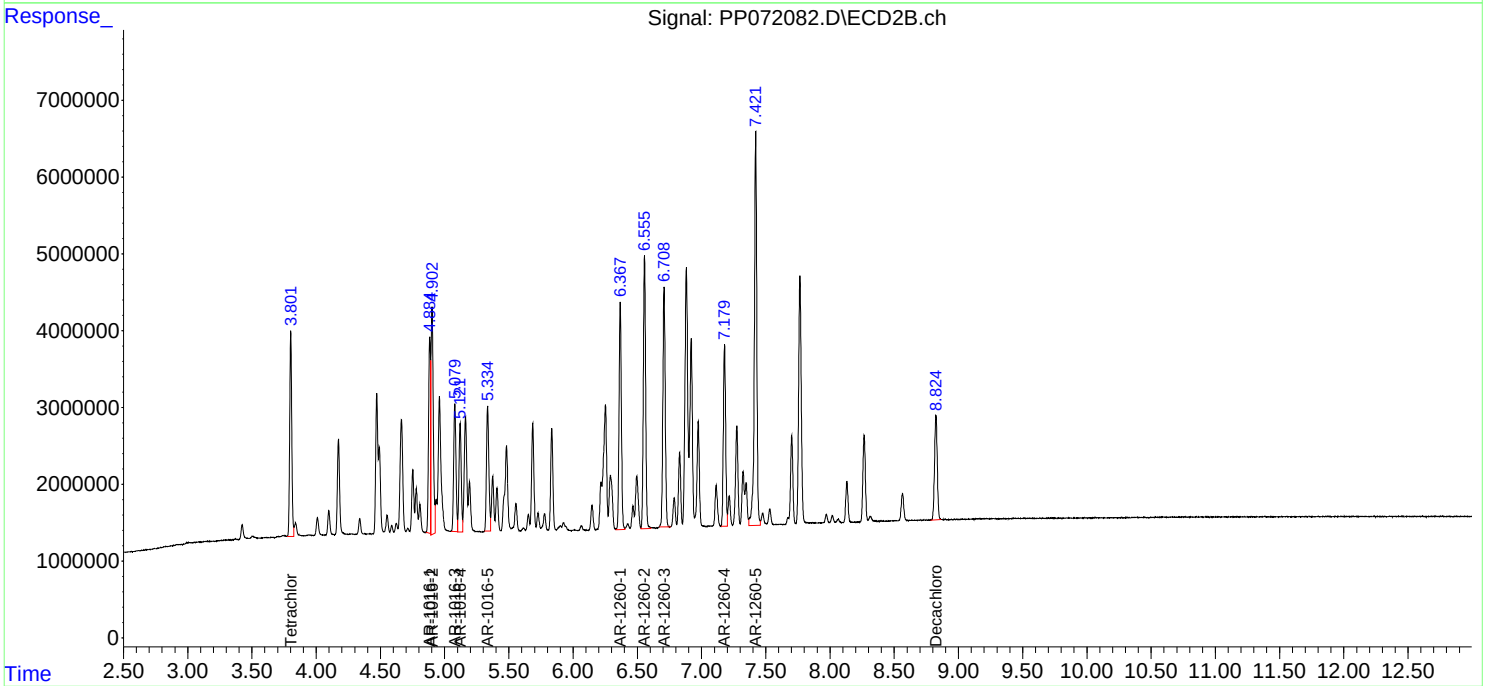
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:28:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: **PO111134.D**

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

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168039BS		SDG No.:	Q2032	
Lab Sample ID:	PB168039BS		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111134.D	1	05/16/25 09:24	05/16/25 13:04	PB168039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	152		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	146		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.7		32 - 144	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.5		32 - 175	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: **PO111134.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 13:04
Operator : YP/AJ
Sample : PB168039BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB168039BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 14:01:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.680	3.678	110.0E6	93457632	18.694	17.144
2)	SA Decachlor...	8.722	8.673	106.1E6	37129136	20.543	20.068
	Target Compounds						
3)	L1 AR-1016-1	4.770	4.757	102.6E6	83763203	456.085	438.718
4)	L1 AR-1016-2	4.789	4.776	146.8E6	120.8E6	460.345	436.061
5)	L1 AR-1016-3	4.845	4.951	99937302	64153105	460.277	439.179
6)	L1 AR-1016-4	4.966	4.994	80188906	51855517	460.464	431.810
7)	L1 AR-1016-5	5.223	5.206	78438881	65371293	445.697	423.388
31)	L7 AR-1260-1	6.263	6.238	145.0E6	115.5E6	475.530	462.058
32)	L7 AR-1260-2	6.452	6.425	179.5E6	134.8E6	468.749	458.044
33)	L7 AR-1260-3	6.820	6.577	140.5E6	126.4E6	403.087	440.935
34)	L7 AR-1260-4	7.079	7.048	122.2E6	83608021	436.399	416.451
35)	L7 AR-1260-5	7.322	7.289	298.6E6	184.1E6	414.731	400.486

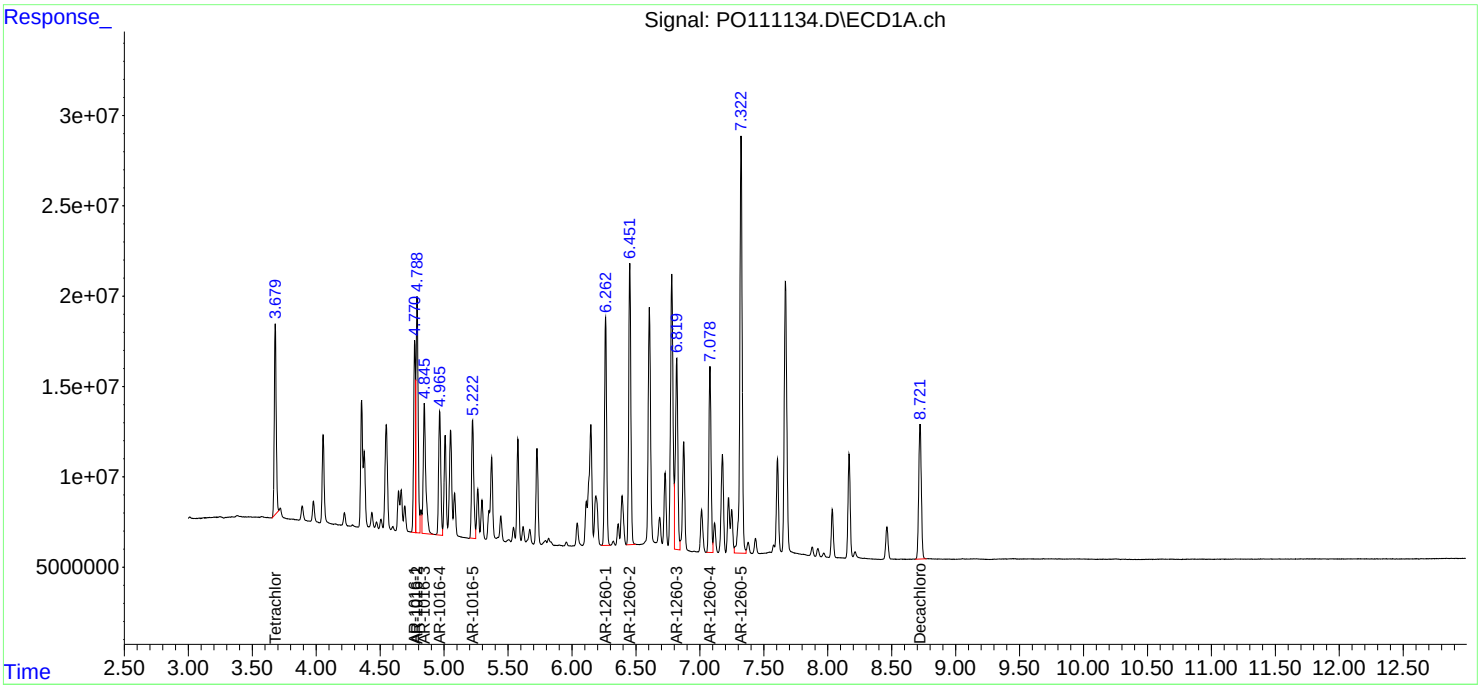
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

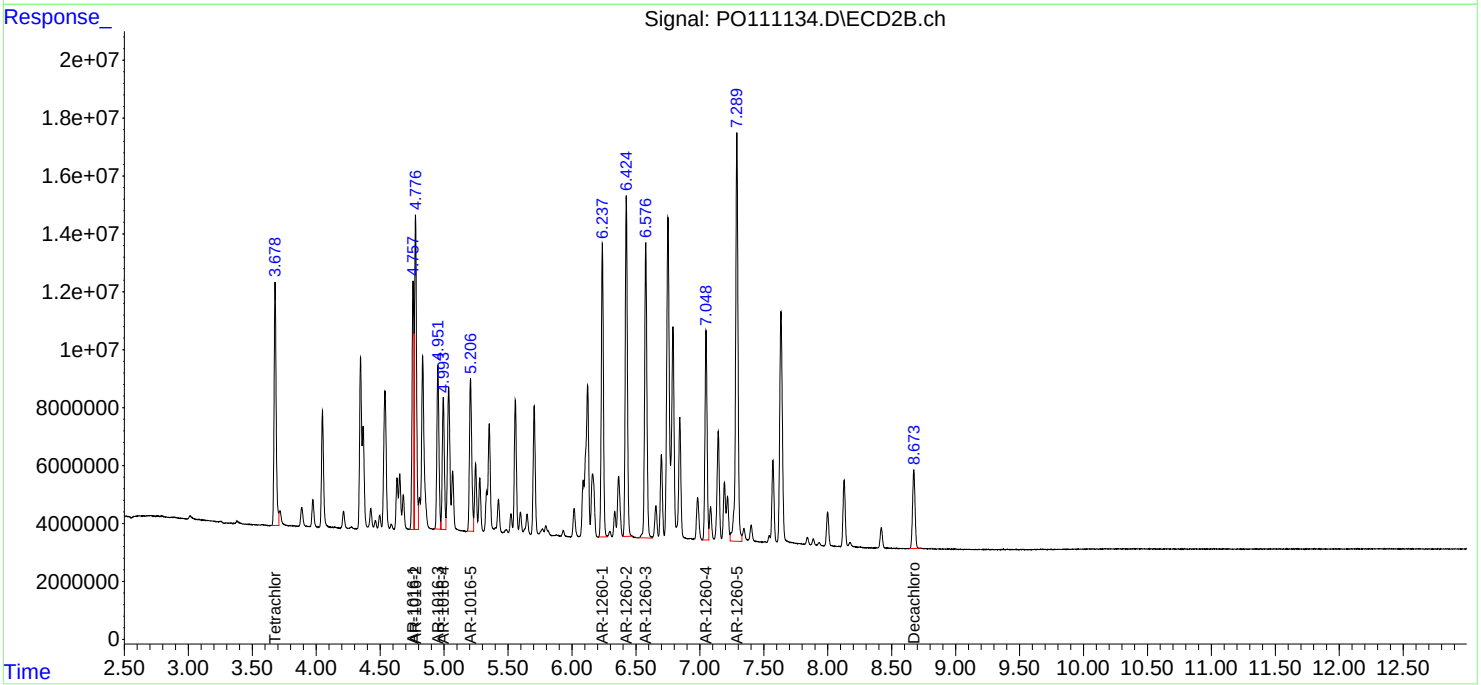
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 13:04
Operator : YP/AJ
Sample : PB168039BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB168039BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 14:01:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: **PP072083.D**

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

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168005BSD		SDG No.:	Q2032	
Lab Sample ID:	PB168005BSD		Matrix:	WATER	
Analytical Method:	8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072083.D	1	05/14/25 09:08	05/15/25 06:16	PB168005

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.60		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.80		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.0		16 - 158	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		10 - 173	117%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072083.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 06:16
Operator : YP\AJ
Sample : PB168005BSD
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168005BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 07:23:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	4.506	3.802	38050237	29575690	19.192	20.996m
2)	SA Decachlor...	10.215	8.825	29729540	20512678	20.531	23.388m
	Target Compounds						
3)	L1 AR-1016-1	5.657	4.885	35218176	25148079	525.254m	469.763m
4)	L1 AR-1016-2	5.679	4.903	43487248	36872403	423.735m	482.852m
5)	L1 AR-1016-3	5.742	5.081	27520111	18804333	446.414	445.490
6)	L1 AR-1016-4	5.840	5.122	22797728	15801220	444.416	458.193
7)	L1 AR-1016-5	6.132	5.336	20302896	20307730	420.887	456.895
31)	L7 AR-1260-1	7.250	6.369	43247525	35938154	450.380	497.075
32)	L7 AR-1260-2	7.504	6.557	65641459	43422555	458.783	496.477
33)	L7 AR-1260-3	7.862	6.709	45034859	39031709	401.724	497.932
34)	L7 AR-1260-4	8.086	7.180	46918966	28983463	415.709	459.249
35)	L7 AR-1260-5	8.406	7.422	96679569	68591762	426.703	454.921

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072083.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 06:16
Operator : YP\AJ
Sample : PB168005BSD
Misc :
ALS Vial : 39 Sample Multiplier: 1

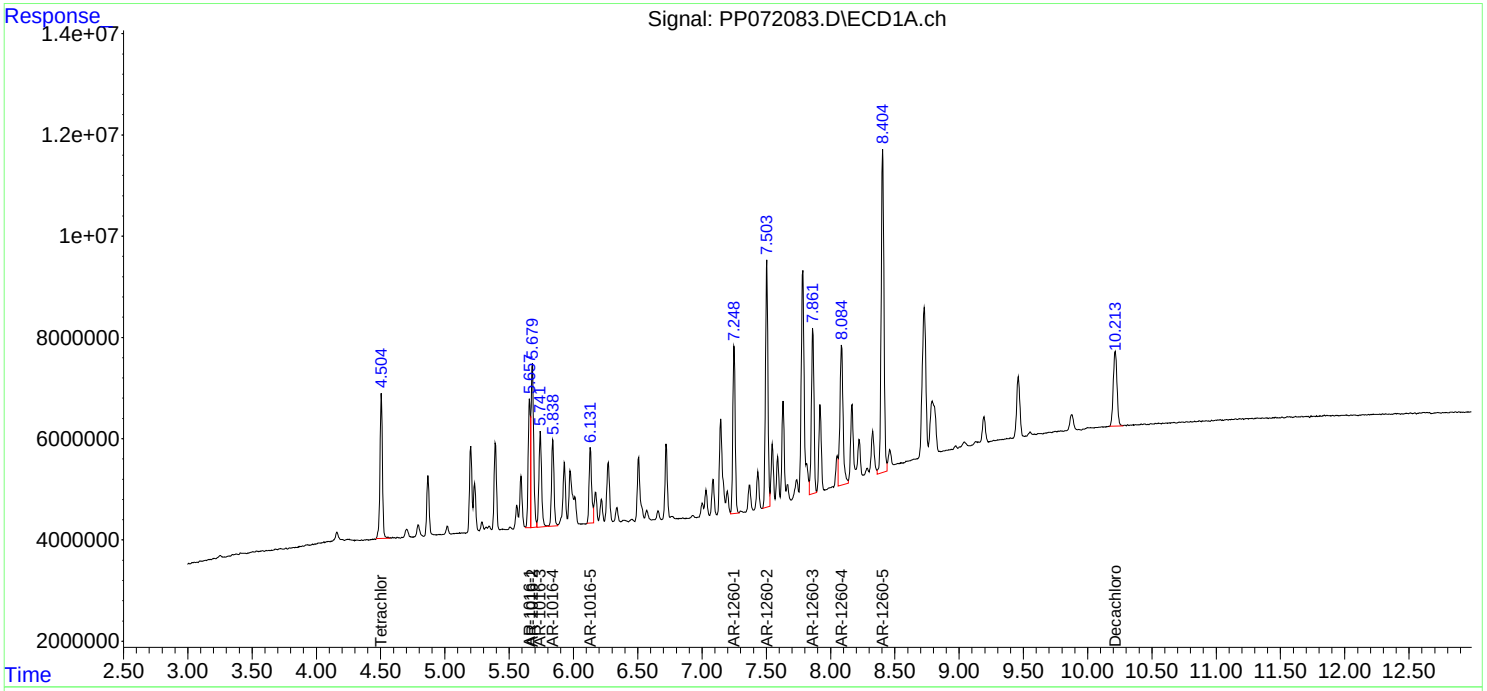
Instrument :
ECD_P
ClientSampleId :
PB168005BSD

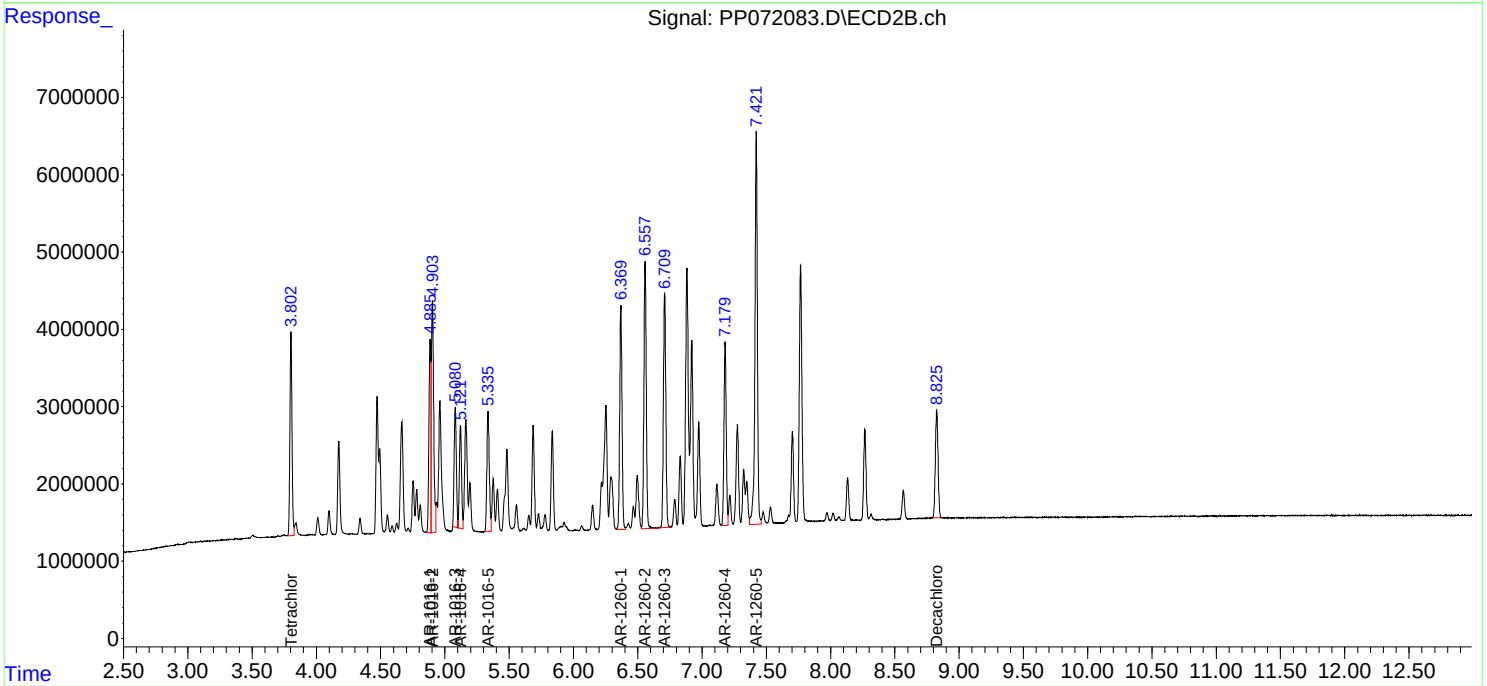
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 07:23:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: **PO111139.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-24MS	SDG No.:	Q2032
Lab Sample ID:	Q2032-05MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	74.2 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111139.D	1	05/16/25 09:24	05/16/25 14:33	PB168039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	239		5.30	22.9	ug/kg
11104-28-2	Aroclor-1221	5.40	U	5.40	22.9	ug/kg
11141-16-5	Aroclor-1232	5.00	U	5.00	22.9	ug/kg
53469-21-9	Aroclor-1242	5.40	U	5.40	22.9	ug/kg
12672-29-6	Aroclor-1248	8.00	U	8.00	22.9	ug/kg
11097-69-1	Aroclor-1254	4.30	U	4.30	22.9	ug/kg
37324-23-5	Aroclor-1262	6.80	U	6.80	22.9	ug/kg
11100-14-4	Aroclor-1268	4.80	U	4.80	22.9	ug/kg
11096-82-5	Aroclor-1260	215		4.30	22.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		32 - 144	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.6		32 - 175	93%	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: **PO111139.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 14:33
Operator : YP/AJ
Sample : Q2032-05MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TP-24MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 15:10:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.683	3.679	118.2E6	101.6E6	20.094	18.640
2)	SA Decachlor...	8.725	8.675	92867826	34397357	17.988	18.592
	Target Compounds						
3)	L1 AR-1016-1	4.772	4.758	117.1E6	98397119	520.442m	515.364m
4)	L1 AR-1016-2	4.791	4.776	163.2E6	135.9E6	511.723m	490.336m
5)	L1 AR-1016-3	4.848	4.952	113.9E6	76445117	524.725m	523.328
6)	L1 AR-1016-4	4.968	4.994	100.9E6	59698534	579.552	497.120
7)	L1 AR-1016-5	5.226	5.207	92248504	76385951	524.165	494.726
31)	L7 AR-1260-1	6.265	6.238	167.9E6	130.9E6	550.610	523.978
32)	L7 AR-1260-2	6.455	6.426	196.1E6	147.0E6	512.067	499.421
33)	L7 AR-1260-3	6.822	6.578	148.5E6	137.0E6	426.110	477.676
34)	L7 AR-1260-4	7.082	7.050	130.2E6	89503279	464.993	445.815
35)	L7 AR-1260-5	7.324	7.290	318.8E6	194.7E6	442.799	423.666

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

Sample Results: **PO111139.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 14:33
Operator : YP/AJ
Sample : Q2032-05MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

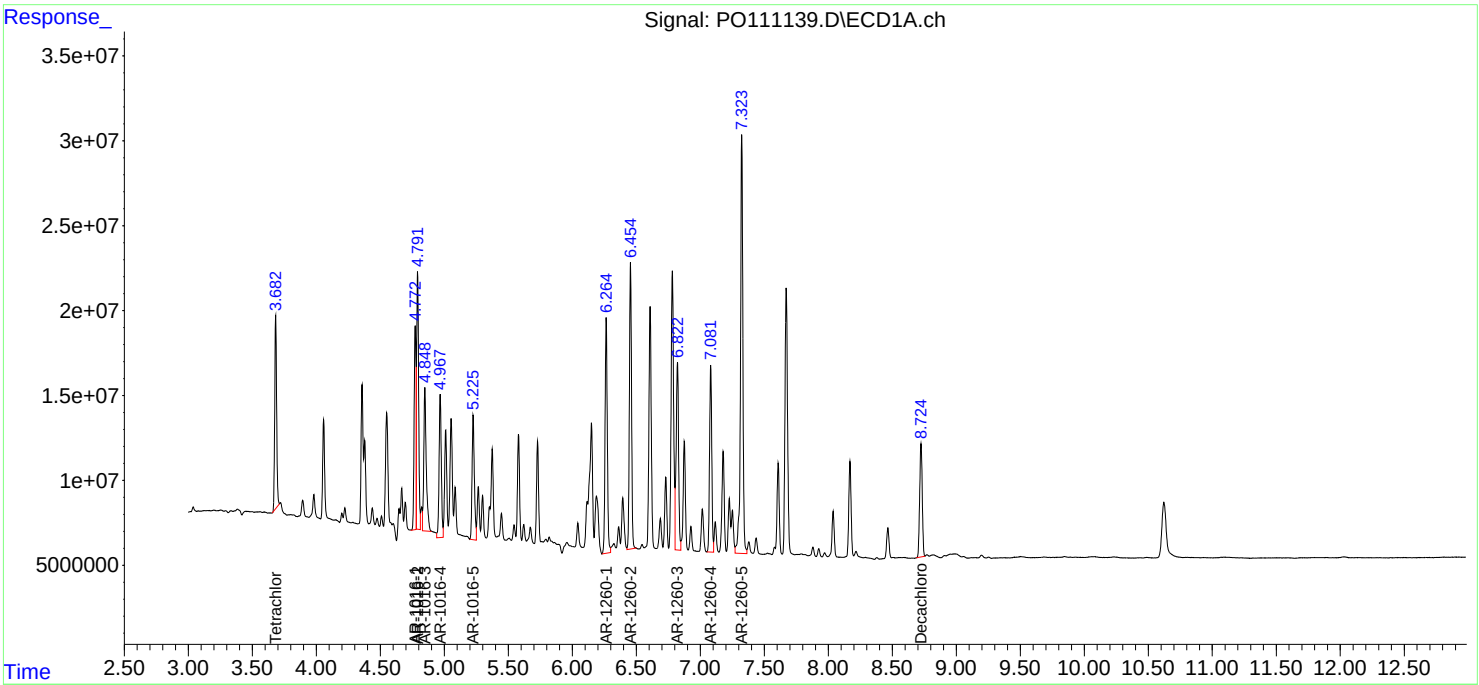
Instrument :
ECD_O
ClientSampleId :
TP-24MS

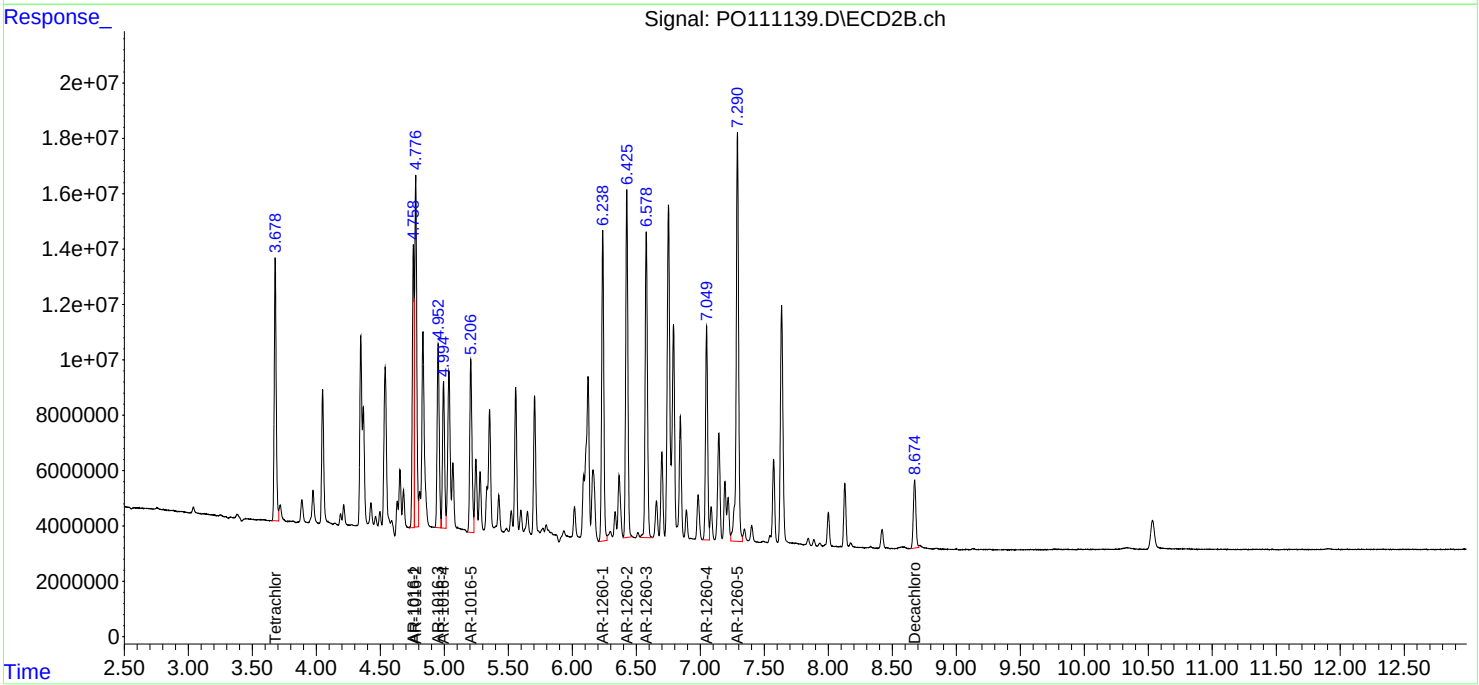
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 15:10:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: **PO111140.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-24MSD	SDG No.:	Q2032
Lab Sample ID:	Q2032-06MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	74.2 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111140.D	1	05/16/25 09:24	05/16/25 14:50	PB168039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	206		5.30	22.9	ug/kg
11104-28-2	Aroclor-1221	5.40	U	5.40	22.9	ug/kg
11141-16-5	Aroclor-1232	5.00	U	5.00	22.9	ug/kg
53469-21-9	Aroclor-1242	5.40	U	5.40	22.9	ug/kg
12672-29-6	Aroclor-1248	8.00	U	8.00	22.9	ug/kg
11097-69-1	Aroclor-1254	4.30	U	4.30	22.9	ug/kg
37324-23-5	Aroclor-1262	6.80	U	6.80	22.9	ug/kg
11100-14-4	Aroclor-1268	4.80	U	4.80	22.9	ug/kg
11096-82-5	Aroclor-1260	191		4.30	22.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.7		32 - 144	89%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.9		32 - 175	80%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 14:50
Operator : YP/AJ
Sample : Q2032-06MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TP-24MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 15:11:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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...	3.680	3.678	104.3E6	89872670	17.736	16.486
2)	SA Decachlor...	8.723	8.674	81939873	29449673	15.871	15.917
	Target Compounds						
3)	L1 AR-1016-1	4.769	4.758	99699705	87342183	443.000m	457.463m
4)	L1 AR-1016-2	4.789	4.776	144.9E6	125.9E6	454.218m	454.411m
5)	L1 AR-1016-3	4.846	4.952	100.0E6	68256822	460.641m	467.272
6)	L1 AR-1016-4	4.966	4.994	82942636	53638540	476.276m	446.657
7)	L1 AR-1016-5	5.224	5.207	80642907	67857044	458.221	439.488
31)	L7 AR-1260-1	6.264	6.238	149.6E6	116.4E6	490.553	465.673
32)	L7 AR-1260-2	6.453	6.425	174.9E6	129.5E6	456.704	439.999
33)	L7 AR-1260-3	6.820	6.578	131.9E6	121.3E6	378.480	423.231
34)	L7 AR-1260-4	7.080	7.049	115.1E6	78995409	411.182	393.475
35)	L7 AR-1260-5	7.324	7.290	282.9E6	170.6E6	392.925	371.095

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051725\
Data File : PO111140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 14:50
Operator : YP/AJ
Sample : Q2032-06MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

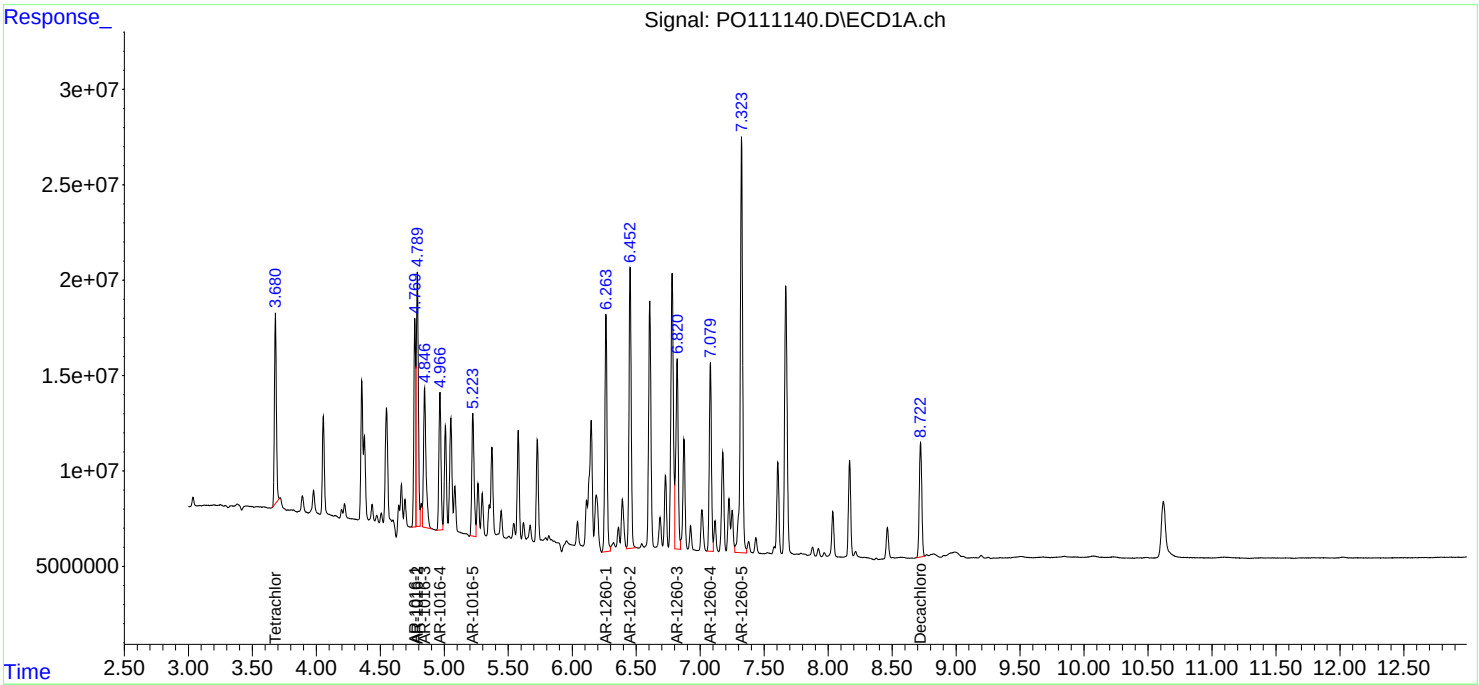
Instrument :
ECD_O
ClientSampleId :
TP-24MSD

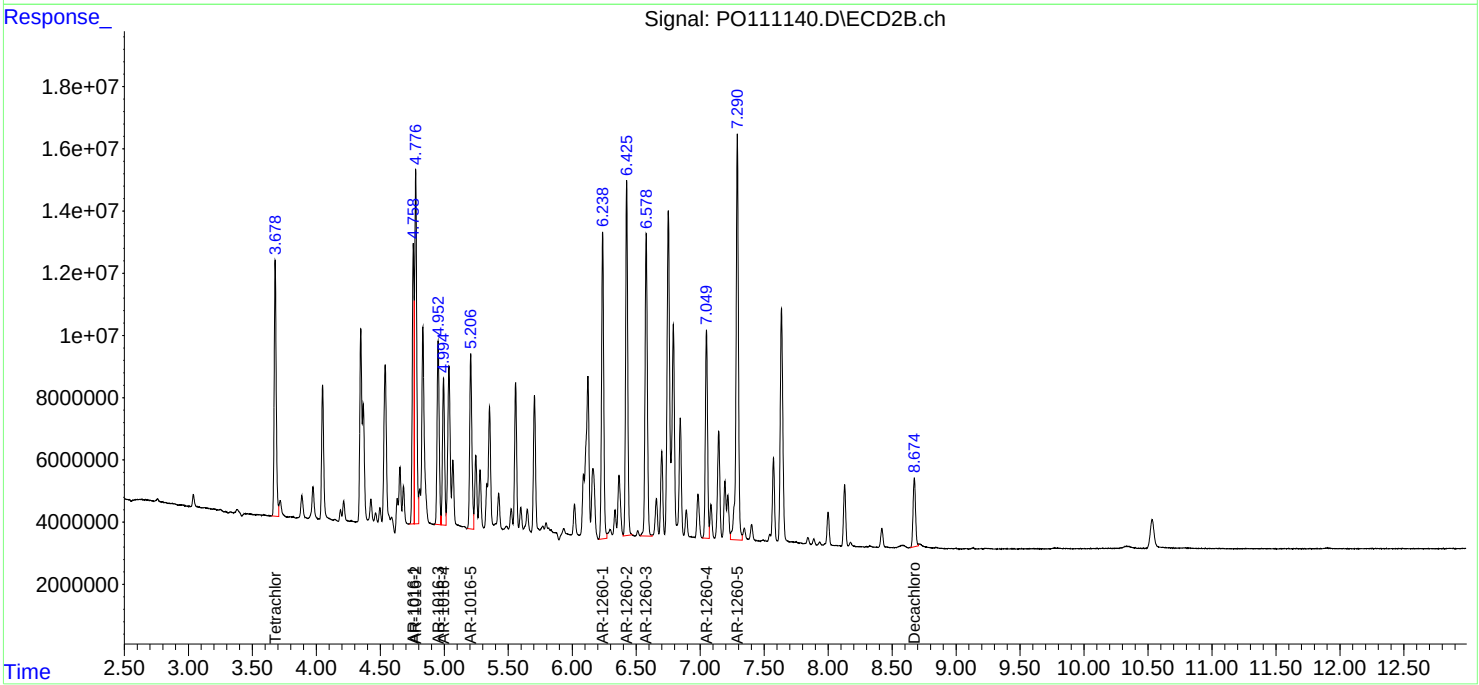
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 15:11:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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:	PO051525	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC750	PO111059.D	AR-1260-3 #2	yogesh	5/15/2025 7:37:11 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software
AR1660ICC250	PO111061.D	AR-1016-3	yogesh	5/15/2025 7:37:15 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software
AR1660ICC050	PO111062.D	AR-1260-1	yogesh	5/15/2025 7:37:17 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software
AR1660ICC050	PO111062.D	AR-1260-2	yogesh	5/15/2025 7:37:17 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software
AR1660ICC050	PO111062.D	AR-1260-3 #2	yogesh	5/15/2025 7:37:17 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PO051725	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2032-05MS	PO111139.D	AR-1016-1	yogesh	5/19/2025 8:58:42 AM			Peak Integrated by Software
Q2032-05MS	PO111139.D	AR-1016-1 #2	yogesh	5/19/2025 8:58:42 AM			Peak Integrated by Software
Q2032-05MS	PO111139.D	AR-1016-2	yogesh	5/19/2025 8:58:42 AM			Peak Integrated by Software
Q2032-05MS	PO111139.D	AR-1016-2 #2	yogesh	5/19/2025 8:58:42 AM			Peak Integrated by Software
Q2032-05MS	PO111139.D	AR-1016-3	yogesh	5/19/2025 8:58:42 AM			Peak Integrated by Software
Q2032-06MSD	PO111140.D	AR-1016-1	yogesh	5/19/2025 8:58:44 AM			Peak Integrated by Software
Q2032-06MSD	PO111140.D	AR-1016-1 #2	yogesh	5/19/2025 8:58:44 AM			Peak Integrated by Software
Q2032-06MSD	PO111140.D	AR-1016-2	yogesh	5/19/2025 8:58:44 AM			Peak Integrated by Software
Q2032-06MSD	PO111140.D	AR-1016-2 #2	yogesh	5/19/2025 8:58:44 AM			Peak Integrated by Software
Q2032-06MSD	PO111140.D	AR-1016-3	yogesh	5/19/2025 8:58:44 AM			Peak Integrated by Software
Q2032-06MSD	PO111140.D	AR-1016-4	yogesh	5/19/2025 8:58:44 AM			Peak Integrated by Software
Q2032-07	PO111141.D	Decachlorobiphenyl #2	yogesh	5/19/2025 8:58:48 AM			Peak Integrated by Software
AR1660CCC500	PO111157.D	AR-1016-5	yogesh	5/19/2025 8:59:01 AM			Peak Integrated by Software

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

Manual Integration Report

Sequence:	PO051725	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO111157.D	AR-1016-5 #2	yogesh	5/19/2025 8:59:01 AM			Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP042225	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP071393.D	AR-1260-3	yogesh	4/23/2025 7:32:38 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1660ICC050	PP071393.D	AR-1260-4	yogesh	4/23/2025 7:32:38 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1660ICC050	PP071393.D	AR-1260-5	yogesh	4/23/2025 7:32:38 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1254ICC750	PP071407.D	AR-1254-5	yogesh	4/23/2025 7:32:40 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1254ICC050	PP071410.D	Tetrachloro-m-xylene	yogesh	4/23/2025 7:32:41 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC1000	PP071412.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:43 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC750	PP071413.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:44 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC500	PP071414.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:46 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC250	PP071415.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:48 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC050	PP071416.D	AR-1268-1	yogesh	4/23/2025 7:32:50 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC050	PP071416.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:50 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC050	PP071416.D	AR-1268-2	yogesh	4/23/2025 7:32:50 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICV500	PP071421.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:52 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP042225	Instrument	ECD_p

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

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

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072033.D	AR-1016-1	yogesh	5/15/2025 7:57:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072033.D	AR-1016-1 #2	yogesh	5/15/2025 7:57:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072033.D	AR-1016-2	yogesh	5/15/2025 7:57:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072033.D	AR-1016-2 #2	yogesh	5/15/2025 7:57:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072033.D	AR-1260-4 #2	yogesh	5/15/2025 7:57:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072033.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:57:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072034.D	AR-1242-1 #2	yogesh	5/15/2025 7:58:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072034.D	AR-1242-2 #2	yogesh	5/15/2025 7:58:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072034.D	AR-1242-3 #2	yogesh	5/15/2025 7:58:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072034.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:58:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072034.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:58:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072035.D	AR-1248-1 #2	yogesh	5/15/2025 7:58:03 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072035.D	Decachlorobiphenyl	yogesh	5/15/2025 7:58:03 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PP072035.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:58:03 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072035.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:58:03 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072036.D	AR-1254-4 #2	yogesh	5/15/2025 7:58:53 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072036.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:58:53 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072036.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:58:53 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072037.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:58:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	AR-1016-1	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	AR-1016-1 #2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	AR-1016-2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	AR-1016-2 #2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	AR-1016-3 #2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	AR-1260-4 #2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	Decachlorobiphenyl	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072048.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072049.D	AR-1242-1 #2	yogesh	5/15/2025 7:59:26 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072049.D	AR-1242-2 #2	yogesh	5/15/2025 7:59:26 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072049.D	AR-1242-3 #2	yogesh	5/15/2025 7:59:26 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072049.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:26 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072049.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:26 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072050.D	AR-1248-1	yogesh	5/15/2025 7:59:28 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072050.D	AR-1248-1 #2	yogesh	5/15/2025 7:59:28 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072050.D	AR-1248-3	yogesh	5/15/2025 7:59:28 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072050.D	Decachlorobiphenyl	yogesh	5/15/2025 7:59:28 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072050.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:28 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072051.D	AR-1254-4 #2	yogesh	5/15/2025 7:59:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP072051.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072051.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072052.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:32 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072063.D	AR-1016-1	yogesh	5/15/2025 8:00:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072063.D	AR-1016-1 #2	yogesh	5/15/2025 8:00:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072063.D	AR-1016-2 #2	yogesh	5/15/2025 8:00:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072063.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072064.D	AR-1242-1 #2	yogesh	5/15/2025 8:00:32 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072064.D	AR-1242-2 #2	yogesh	5/15/2025 8:00:32 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072064.D	Decachlorobiphenyl	yogesh	5/15/2025 8:00:32 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072064.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:32 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072064.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:32 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072065.D	AR-1248-1 #2	yogesh	5/15/2025 8:00:34 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PP072065.D	AR-1248-3	yogesh	5/15/2025 8:00:34 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072065.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:34 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072065.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:34 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072066.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:36 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072066.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:36 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072067.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:38 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072067.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:38 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	AR-1016-1	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	AR-1016-1 #2	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	AR-1016-2	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	AR-1016-2 #2	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	AR-1016-3 #2	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	AR-1016-5	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC50 0	PP072076.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC50 0	PP072076.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC50 0	PP072077.D	AR-1242-1 #2	yogesh	5/15/2025 8:00:56 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC50 0	PP072077.D	AR-1242-2 #2	yogesh	5/15/2025 8:00:56 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC50 0	PP072077.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:56 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC50 0	PP072077.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:56 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC50 0	PP072078.D	AR-1248-1 #2	yogesh	5/15/2025 8:00:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC50 0	PP072078.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC50 0	PP072078.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC50 0	PP072079.D	Decachlorobiphenyl	yogesh	5/15/2025 8:01:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC50 0	PP072079.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:01:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC50 0	PP072079.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:01:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072080.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:01:02 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PP072080.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:01:02 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB168005BL	PP072081.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:01:04 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB168005BL	PP072081.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:01:04 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB168005BS	PP072082.D	AR-1016-1 #2	yogesh	5/15/2025 8:01:06 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB168005BS	PP072082.D	AR-1016-2 #2	yogesh	5/15/2025 8:01:06 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB168005BS	PP072082.D	AR-1016-3 #2	yogesh	5/15/2025 8:01:06 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB168005BS	PP072082.D	AR-1016-4 #2	yogesh	5/15/2025 8:01:06 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB168005BS	PP072082.D	AR-1016-5	yogesh	5/15/2025 8:01:06 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB168005BS	PP072082.D	AR-1260-4 #2	yogesh	5/15/2025 8:01:06 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB168005BS	PP072082.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:01:06 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB168005BS	PP072082.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:01:06 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB168005BSD	PP072083.D	AR-1016-1	yogesh	5/15/2025 8:01:08 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB168005BSD	PP072083.D	AR-1016-1 #2	yogesh	5/15/2025 8:01:08 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168005BSD	PP072083.D	AR-1016-2	yogesh	5/15/2025 8:01:08 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB168005BSD	PP072083.D	AR-1016-2 #2	yogesh	5/15/2025 8:01:08 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB168005BSD	PP072083.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:01:08 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB168005BSD	PP072083.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:01:08 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	AR-1016-1	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	AR-1016-1 #2	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	AR-1016-2	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	AR-1016-2 #2	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	AR-1260-4 #2	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	Decachlorobiphenyl #2	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072092.D	AR-1242-1 #2	yogesh	5/16/2025 8:09:41 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072092.D	AR-1242-2 #2	yogesh	5/16/2025 8:09:41 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP072092.D	Decachlorobiphenyl #2	yogesh	5/16/2025 8:09:41 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072092.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 8:09:41 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072093.D	AR-1248-5 #2	yogesh	5/16/2025 8:09:43 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072093.D	Decachlorobiphenyl #2	yogesh	5/16/2025 8:09:43 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072093.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 8:09:43 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072094.D	AR-1254-4 #2	yogesh	5/16/2025 8:09:45 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072094.D	Decachlorobiphenyl #2	yogesh	5/16/2025 8:09:45 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072094.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 8:09:45 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072095.D	Decachlorobiphenyl #2	yogesh	5/16/2025 8:09:47 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072095.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 8:09:47 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP051525	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072097.D	AR-1016-2 #2	yogesh	5/16/2025 7:40:40 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1660CCC500	PP072097.D	AR-1016-3 #2	yogesh	5/16/2025 7:40:40 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1660CCC500	PP072097.D	AR-1016-4 #2	yogesh	5/16/2025 7:40:40 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1660CCC500	PP072097.D	Decachlorobiphenyl #2	yogesh	5/16/2025 7:40:40 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1660CCC500	PP072097.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 7:40:40 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1242CCC500	PP072098.D	AR-1242-2 #2	yogesh	5/16/2025 7:40:44 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1242CCC500	PP072098.D	AR-1242-3 #2	yogesh	5/16/2025 7:40:44 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1242CCC500	PP072098.D	Decachlorobiphenyl #2	yogesh	5/16/2025 7:40:44 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1242CCC500	PP072098.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 7:40:44 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1248CCC500	PP072099.D	Decachlorobiphenyl #2	yogesh	5/16/2025 7:40:46 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1248CCC500	PP072099.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 7:40:46 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1254CCC500	PP072100.D	AR-1254-4 #2	yogesh	5/16/2025 7:40:49 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1254CCC500	PP072100.D	Decachlorobiphenyl #2	yogesh	5/16/2025 7:40:49 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP051525	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP072100.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 7:40:49 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
I.BLK	PP072101.D	Decachlorobiphenyl	yogesh	5/16/2025 7:40:52 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
I.BLK	PP072101.D	Decachlorobiphenyl #2	yogesh	5/16/2025 7:40:52 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
I.BLK	PP072101.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 7:40:52 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
Q2032-11	PP072103.D	Decachlorobiphenyl #2	yogesh	5/16/2025 7:40:55 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
Q2032-11	PP072103.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 7:40:55 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1660CCC500	PP072112.D	AR-1016-1	yogesh	5/16/2025 7:41:11 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1660CCC500	PP072112.D	AR-1016-1 #2	yogesh	5/16/2025 7:41:11 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1660CCC500	PP072112.D	AR-1016-2	yogesh	5/16/2025 7:41:11 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1660CCC500	PP072112.D	AR-1016-2 #2	yogesh	5/16/2025 7:41:11 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1660CCC500	PP072112.D	AR-1260-4 #2	yogesh	5/16/2025 7:41:11 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1660CCC500	PP072112.D	Decachlorobiphenyl #2	yogesh	5/16/2025 7:41:11 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1242CCC500	PP072113.D	AR-1242-1 #2	yogesh	5/16/2025 7:41:13 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP051525	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP072113.D	AR-1242-2 #2	yogesh	5/16/2025 7:41:13 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1242CCC500	PP072113.D	AR-1242-3 #2	yogesh	5/16/2025 7:41:13 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1242CCC500	PP072113.D	Decachlorobiphenyl #2	yogesh	5/16/2025 7:41:13 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1242CCC500	PP072113.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 7:41:13 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1248CCC500	PP072114.D	AR-1248-1	yogesh	5/16/2025 7:41:21 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1248CCC500	PP072114.D	AR-1248-1 #2	yogesh	5/16/2025 7:41:21 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1248CCC500	PP072114.D	Decachlorobiphenyl #2	yogesh	5/16/2025 7:41:21 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1248CCC500	PP072114.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 7:41:21 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1254CCC500	PP072115.D	AR-1254-4 #2	yogesh	5/16/2025 7:41:23 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1254CCC500	PP072115.D	Decachlorobiphenyl #2	yogesh	5/16/2025 7:41:23 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1254CCC500	PP072115.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 7:41:23 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
I.BLK	PP072116.D	Decachlorobiphenyl #2	yogesh	5/16/2025 7:41:24 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
I.BLK	PP072116.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 7:41:24 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP051525	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072124.D	AR-1016-1 #2	yogesh	5/16/2025 7:41:42 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1660CCC500	PP072124.D	AR-1016-2 #2	yogesh	5/16/2025 7:41:42 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1660CCC500	PP072124.D	AR-1016-3 #2	yogesh	5/16/2025 7:41:42 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1660CCC500	PP072124.D	AR-1016-4 #2	yogesh	5/16/2025 7:41:42 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1660CCC500	PP072124.D	AR-1260-4 #2	yogesh	5/16/2025 7:41:42 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1660CCC500	PP072124.D	Decachlorobiphenyl #2	yogesh	5/16/2025 7:41:42 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1660CCC500	PP072124.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 7:41:42 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1242CCC500	PP072125.D	AR-1242-1	yogesh	5/16/2025 7:41:46 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1242CCC500	PP072125.D	AR-1242-1 #2	yogesh	5/16/2025 7:41:46 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1242CCC500	PP072125.D	AR-1242-2	yogesh	5/16/2025 7:41:46 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1242CCC500	PP072125.D	AR-1242-2 #2	yogesh	5/16/2025 7:41:46 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1242CCC500	PP072125.D	AR-1242-3 #2	yogesh	5/16/2025 7:41:46 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1242CCC500	PP072125.D	Decachlorobiphenyl #2	yogesh	5/16/2025 7:41:46 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP051525	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP072125.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 7:41:46 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1248CCC500	PP072126.D	AR-1248-1 #2	yogesh	5/16/2025 7:41:49 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1248CCC500	PP072126.D	Decachlorobiphenyl #2	yogesh	5/16/2025 7:41:49 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1248CCC500	PP072126.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 7:41:49 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1254CCC500	PP072127.D	AR-1254-4 #2	yogesh	5/16/2025 7:41:51 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
AR1254CCC500	PP072127.D	Decachlorobiphenyl #2	yogesh	5/16/2025 7:41:51 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
I.BLK	PP072128.D	Decachlorobiphenyl #2	yogesh	5/16/2025 7:41:53 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software
I.BLK	PP072128.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 7:41:53 AM	mohammad	5/19/2025 2:36:10	Peak Integrated by Software

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051525

Review By	yogesh	Review On	5/14/2025 3:39:03 PM		
Supervise By	mohammad	Supervise On	5/16/2025 1:55:32 AM		
SubDirectory	PO051525	HP Acquire Method		HP Processing Method	PO051525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO111056.D	14 May 2025 16:43	YP/AJ	Ok
2	I.BLK	PO111057.D	14 May 2025 17:01	YP/AJ	Ok
3	AR1660ICC1000	PO111058.D	14 May 2025 17:19	YP/AJ	Ok
4	AR1660ICC750	PO111059.D	14 May 2025 17:38	YP/AJ	Ok,M
5	AR1660ICC500	PO111060.D	14 May 2025 17:56	YP/AJ	Ok
6	AR1660ICC250	PO111061.D	14 May 2025 18:15	YP/AJ	Ok,M
7	AR1660ICC050	PO111062.D	14 May 2025 18:33	YP/AJ	Ok,M
8	AR1221ICC500	PO111063.D	14 May 2025 18:51	YP/AJ	Ok
9	AR1232ICC500	PO111064.D	14 May 2025 19:10	YP/AJ	Ok
10	AR1242ICC1000	PO111065.D	14 May 2025 19:28	YP/AJ	Ok
11	AR1242ICC750	PO111066.D	14 May 2025 19:46	YP/AJ	Ok
12	AR1242ICC500	PO111067.D	14 May 2025 20:05	YP/AJ	Ok
13	AR1242ICC250	PO111068.D	14 May 2025 20:23	YP/AJ	Ok
14	AR1242ICC050	PO111069.D	14 May 2025 20:41	YP/AJ	Ok
15	AR1248ICC1000	PO111070.D	14 May 2025 21:00	YP/AJ	Ok
16	AR1248ICC750	PO111071.D	14 May 2025 21:18	YP/AJ	Ok
17	AR1248ICC500	PO111072.D	14 May 2025 21:37	YP/AJ	Ok
18	AR1248ICC250	PO111073.D	14 May 2025 21:54	YP/AJ	Ok
19	AR1248ICC050	PO111074.D	14 May 2025 22:12	YP/AJ	Ok
20	AR1254ICC1000	PO111075.D	14 May 2025 22:31	YP/AJ	Ok
21	AR1254ICC750	PO111076.D	14 May 2025 22:49	YP/AJ	Ok

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051525

Review By	yogesh	Review On	5/14/2025 3:39:03 PM		
Supervise By	mohammad	Supervise On	5/16/2025 1:55:32 AM		
SubDirectory	PO051525	HP Acquire Method		HP Processing Method	PO051525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PO111077.D	14 May 2025 23:06	YP/AJ	Ok
23	AR1254ICC250	PO111078.D	14 May 2025 23:25	YP/AJ	Ok
24	AR1254ICC050	PO111079.D	14 May 2025 23:43	YP/AJ	Ok
25	AR1262ICC500	PO111080.D	15 May 2025 00:01	YP/AJ	Ok
26	AR1268ICC1000	PO111081.D	15 May 2025 00:19	YP/AJ	Ok
27	AR1268ICC750	PO111082.D	15 May 2025 00:37	YP/AJ	Ok
28	AR1268ICC500	PO111083.D	15 May 2025 00:56	YP/AJ	Ok
29	AR1268ICC250	PO111084.D	15 May 2025 01:14	YP/AJ	Ok
30	AR1268ICC050	PO111085.D	15 May 2025 01:31	YP/AJ	Ok
31	PO051525ICV500	PO111086.D	15 May 2025 01:50	YP/AJ	Ok
32	AR1242ICV500	PO111087.D	15 May 2025 02:26	YP/AJ	Ok
33	AR1248ICV500	PO111088.D	15 May 2025 03:03	YP/AJ	Ok
34	AR1254ICV500	PO111089.D	15 May 2025 03:40	YP/AJ	Ok
35	AR1268ICV500	PO111090.D	15 May 2025 04:17	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051725

Review By	yogesh	Review On	5/16/2025 12:25:11 PM		
Supervise By		Supervise On			
SubDirectory	PO051725	HP Acquire Method		HP Processing Method	PO051525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO111127.D	16 May 2025 09:17	YP/AJ	Ok
2	AR1660CCC500	PO111128.D	16 May 2025 09:35	YP/AJ	Ok
3	AR1242CCC500	PO111129.D	16 May 2025 09:57	YP/AJ	Ok
4	AR1248CCC500	PO111130.D	16 May 2025 10:15	YP/AJ	Ok
5	AR1254CCC500	PO111131.D	16 May 2025 10:34	YP/AJ	Ok
6	I.BLK	PO111132.D	16 May 2025 10:52	YP/AJ	Ok
7	PB168039BL	PO111133.D	16 May 2025 12:47	YP/AJ	Not Ok
8	PB168039BS	PO111134.D	16 May 2025 13:04	YP/AJ	Ok
9	Q2032-01	PO111135.D	16 May 2025 13:21	YP/AJ	Not Ok
10	Q2032-02	PO111136.D	16 May 2025 13:40	YP/AJ	Ok
11	Q2032-03	PO111137.D	16 May 2025 13:57	YP/AJ	Ok
12	Q2032-04	PO111138.D	16 May 2025 14:14	YP/AJ	Ok
13	Q2032-05MS	PO111139.D	16 May 2025 14:33	YP/AJ	Ok,NS
14	Q2032-06MSD	PO111140.D	16 May 2025 14:50	YP/AJ	Ok,NS
15	Q2032-07	PO111141.D	16 May 2025 15:08	YP/AJ	Ok,NS
16	Q2032-08	PO111142.D	16 May 2025 15:27	YP/AJ	Ok
17	AR1660CCC500	PO111143.D	16 May 2025 16:37	YP/AJ	Ok
18	AR1242CCC500	PO111144.D	16 May 2025 16:56	YP/AJ	Ok
19	AR1248CCC500	PO111145.D	16 May 2025 17:13	YP/AJ	Ok
20	AR1254CCC500	PO111146.D	16 May 2025 17:31	YP/AJ	Ok
21	I.BLK	PO111147.D	16 May 2025 17:50	YP/AJ	Ok

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051725

Review By	yogesh	Review On	5/16/2025 12:25:11 PM		
Supervise By		Supervise On			
SubDirectory	PO051725	HP Acquire Method		HP Processing Method	PO051525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2052-01	PO111148.D	16 May 2025 18:08	YP/AJ	Ok
23	Q2053-01	PO111149.D	16 May 2025 18:27	YP/AJ	Dilution
24	Q2053-02	PO111150.D	16 May 2025 18:45	YP/AJ	Dilution
25	Q2053-03	PO111151.D	16 May 2025 19:03	YP/AJ	Dilution
26	Q2053-04	PO111152.D	16 May 2025 19:22	YP/AJ	Dilution
27	Q2053-05	PO111153.D	16 May 2025 19:40	YP/AJ	Dilution
28	Q2053-06	PO111154.D	16 May 2025 19:58	YP/AJ	Dilution
29	PB168039BL	PO111155.D	16 May 2025 20:16	YP/AJ	Ok
30	Q2032-01	PO111156.D	16 May 2025 20:34	YP/AJ	Ok
31	AR1660CCC500	PO111157.D	16 May 2025 21:44	YP/AJ	Ok,NS
32	AR1242CCC500	PO111158.D	16 May 2025 22:38	YP/AJ	Ok
33	AR1248CCC500	PO111159.D	16 May 2025 22:56	YP/AJ	Ok
34	AR1254CCC500	PO111160.D	16 May 2025 23:11	YP/AJ	Ok
35	I.BLK	PO111161.D	16 May 2025 23:29	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP042225

Review By	yogesh	Review On	4/22/2025 1:34:56 PM		
Supervise By	mohammad	Supervise On	4/24/2025 6:33:42 AM		
SubDirectory	PP042225	HP Acquire Method		HP Processing Method	PP042225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP071387.D	22 Apr 2025 09:56	YP\AJ	Ok
2	I.BLK	PP071388.D	22 Apr 2025 10:13	YP\AJ	Ok
3	AR1660ICC1000	PP071389.D	22 Apr 2025 10:29	YP\AJ	Ok
4	AR1660ICC750	PP071390.D	22 Apr 2025 10:45	YP\AJ	Ok
5	AR1660ICC500	PP071391.D	22 Apr 2025 11:02	YP\AJ	Ok
6	AR1660ICC250	PP071392.D	22 Apr 2025 11:18	YP\AJ	Ok
7	AR1660ICC050	PP071393.D	22 Apr 2025 11:34	YP\AJ	Ok,M
8	AR1221ICC500	PP071394.D	22 Apr 2025 11:51	YP\AJ	Ok
9	AR1232ICC500	PP071395.D	22 Apr 2025 12:07	YP\AJ	Ok
10	AR1242ICC1000	PP071396.D	22 Apr 2025 12:23	YP\AJ	Ok
11	AR1242ICC750	PP071397.D	22 Apr 2025 12:39	YP\AJ	Ok
12	AR1242ICC500	PP071398.D	22 Apr 2025 12:56	YP\AJ	Ok
13	AR1242ICC250	PP071399.D	22 Apr 2025 13:12	YP\AJ	Ok
14	AR1242ICC050	PP071400.D	22 Apr 2025 13:28	YP\AJ	Ok
15	AR1248ICC1000	PP071401.D	22 Apr 2025 13:45	YP\AJ	Ok
16	AR1248ICC750	PP071402.D	22 Apr 2025 14:01	YP\AJ	Ok
17	AR1248ICC500	PP071403.D	22 Apr 2025 14:17	YP\AJ	Ok
18	AR1248ICC250	PP071404.D	22 Apr 2025 14:33	YP\AJ	Ok
19	AR1248ICC050	PP071405.D	22 Apr 2025 14:50	YP\AJ	Ok
20	AR1254ICC1000	PP071406.D	22 Apr 2025 15:06	YP\AJ	Ok
21	AR1254ICC750	PP071407.D	22 Apr 2025 15:22	YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP042225

Review By	yogesh	Review On	4/22/2025 1:34:56 PM		
Supervise By	mohammad	Supervise On	4/24/2025 6:33:42 AM		
SubDirectory	PP042225	HP Acquire Method		HP Processing Method	PP042225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PP071408.D	22 Apr 2025 15:38	YP\AJ	Ok
23	AR1254ICC250	PP071409.D	22 Apr 2025 15:55	YP\AJ	Ok
24	AR1254ICC050	PP071410.D	22 Apr 2025 16:11	YP\AJ	Ok,M
25	AR1262ICC500	PP071411.D	22 Apr 2025 16:27	YP\AJ	Ok
26	AR1268ICC1000	PP071412.D	22 Apr 2025 16:44	YP\AJ	Ok,M
27	AR1268ICC750	PP071413.D	22 Apr 2025 17:00	YP\AJ	Ok,M
28	AR1268ICC500	PP071414.D	22 Apr 2025 17:16	YP\AJ	Ok,M
29	AR1268ICC250	PP071415.D	22 Apr 2025 17:33	YP\AJ	Ok,M
30	AR1268ICC050	PP071416.D	22 Apr 2025 17:49	YP\AJ	Ok,M
31	PP042225ICV500	PP071417.D	22 Apr 2025 18:05	YP\AJ	Ok
32	AR1242ICV500	PP071418.D	22 Apr 2025 18:38	YP\AJ	Ok
33	AR1248ICV500	PP071419.D	22 Apr 2025 19:27	YP\AJ	Ok
34	AR1254ICV500	PP071420.D	22 Apr 2025 19:43	YP\AJ	Ok
35	AR1268ICV500	PP071421.D	22 Apr 2025 20:16	YP\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM		
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM		
SubDirectory	PP051425	HP Acquire Method		HP Processing Method	PP042225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072032.D	14 May 2025 08:51	YP\AJ	Ok
2	AR1660CCC500	PP072033.D	14 May 2025 09:07	YP\AJ	Ok,M
3	AR1242CCC500	PP072034.D	14 May 2025 09:25	YP\AJ	Ok,M
4	AR1248CCC500	PP072035.D	14 May 2025 09:41	YP\AJ	Ok,M
5	AR1254CCC500	PP072036.D	14 May 2025 09:58	YP\AJ	Ok,M
6	I.BLK	PP072037.D	14 May 2025 10:14	YP\AJ	Ok,M
7	PB167997BL	PP072038.D	14 May 2025 13:39	YP\AJ	Ok,M
8	PB167997BS	PP072039.D	14 May 2025 13:55	YP\AJ	Ok,M
9	Q2010-01	PP072040.D	14 May 2025 14:12	YP\AJ	Ok,M
10	Q2010-02	PP072041.D	14 May 2025 14:28	YP\AJ	Ok,M
11	Q2010-03	PP072042.D	14 May 2025 14:44	YP\AJ	Ok,M
12	Q2010-04	PP072043.D	14 May 2025 15:01	YP\AJ	Ok,M
13	Q2019-01	PP072044.D	14 May 2025 15:17	YP\AJ	Ok,M
14	Q2019-01MS	PP072045.D	14 May 2025 15:34	YP\AJ	Ok,M
15	Q2019-01MSD	PP072046.D	14 May 2025 15:50	YP\AJ	Ok,M
16	Q2020-01	PP072047.D	14 May 2025 16:06	YP\AJ	Ok,M
17	AR1660CCC500	PP072048.D	14 May 2025 17:12	YP\AJ	Ok,M
18	AR1242CCC500	PP072049.D	14 May 2025 17:44	YP\AJ	Ok,M
19	AR1248CCC500	PP072050.D	14 May 2025 18:01	YP\AJ	Ok,M
20	AR1254CCC500	PP072051.D	14 May 2025 18:17	YP\AJ	Ok,M
21	I.BLK	PP072052.D	14 May 2025 18:33	YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM		
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM		
SubDirectory	PP051425	HP Acquire Method		HP Processing Method	PP042225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2005-01	PP072053.D	14 May 2025 18:50	YP\AJ	Ok
23	Q1990-01	PP072054.D	14 May 2025 19:06	YP\AJ	Dilution
24	Q1990-02	PP072055.D	14 May 2025 19:22	YP\AJ	Ok,M
25	Q2041-01	PP072056.D	14 May 2025 19:39	YP\AJ	Ok,M
26	Q2041-02	PP072057.D	14 May 2025 19:55	YP\AJ	Ok,M
27	Q2041-03	PP072058.D	14 May 2025 20:11	YP\AJ	Ok,M
28	Q2041-04	PP072059.D	14 May 2025 20:28	YP\AJ	Not Ok
29	Q2041-05	PP072060.D	14 May 2025 20:44	YP\AJ	Ok,M
30	Q2041-06	PP072061.D	14 May 2025 21:00	YP\AJ	Ok
31	Q2041-07	PP072062.D	14 May 2025 21:17	YP\AJ	Ok,M
32	AR1660CCC500	PP072063.D	14 May 2025 22:55	YP\AJ	Ok,M
33	AR1242CCC500	PP072064.D	14 May 2025 23:27	YP\AJ	Ok,M
34	AR1248CCC500	PP072065.D	14 May 2025 23:44	YP\AJ	Ok,M
35	AR1254CCC500	PP072066.D	15 May 2025 00:00	YP\AJ	Ok,M
36	I.BLK	PP072067.D	15 May 2025 00:16	YP\AJ	Ok,M
37	Q2041-08	PP072068.D	15 May 2025 00:33	YP\AJ	Ok
38	Q2042-01	PP072069.D	15 May 2025 00:49	YP\AJ	Ok,M
39	Q2042-02	PP072070.D	15 May 2025 01:05	YP\AJ	Ok
40	Q2042-04	PP072071.D	15 May 2025 01:22	YP\AJ	Ok,M
41	Q2042-05	PP072072.D	15 May 2025 01:38	YP\AJ	Ok,M
42	Q2022-01	PP072073.D	15 May 2025 01:55	YP\AJ	Ok,M
43	Q2022-02	PP072074.D	15 May 2025 02:11	YP\AJ	Ok,M
44	Q2022-04	PP072075.D	15 May 2025 02:27	YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM		
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM		
SubDirectory	PP051425	HP Acquire Method		HP Processing Method	PP042225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	AR1660CCC500	PP072076.D	15 May 2025 04:05	YP\AJ	Ok,M
46	AR1242CCC500	PP072077.D	15 May 2025 04:38	YP\AJ	Ok,M
47	AR1248CCC500	PP072078.D	15 May 2025 04:54	YP\AJ	Ok,M
48	AR1254CCC500	PP072079.D	15 May 2025 05:11	YP\AJ	Ok,M
49	I.BLK	PP072080.D	15 May 2025 05:27	YP\AJ	Ok,M
50	PB168005BL	PP072081.D	15 May 2025 05:43	YP\AJ	Ok,M
51	PB168005BS	PP072082.D	15 May 2025 05:59	YP\AJ	Ok,M
52	PB168005BSD	PP072083.D	15 May 2025 06:16	YP\AJ	Ok,M
53	PB168009BL	PP072084.D	15 May 2025 06:32	YP\AJ	Ok,M
54	PB168009BS	PP072085.D	15 May 2025 06:48	YP\AJ	Ok,M
55	Q2023-01	PP072086.D	15 May 2025 07:05	YP\AJ	Ok,M
56	Q2024-01	PP072087.D	15 May 2025 07:21	YP\AJ	Ok,M
57	Q2027-03	PP072088.D	15 May 2025 07:37	YP\AJ	Ok,M
58	Q2027-04	PP072089.D	15 May 2025 07:54	YP\AJ	Ok,M
59	Q2033-01	PP072090.D	15 May 2025 08:10	YP\AJ	Ok,NR
60	AR1660CCC500	PP072091.D	15 May 2025 09:15	YP\AJ	Ok,M
61	AR1242CCC500	PP072092.D	15 May 2025 09:32	YP\AJ	Ok,M
62	AR1248CCC500	PP072093.D	15 May 2025 09:48	YP\AJ	Ok,M
63	AR1254CCC500	PP072094.D	15 May 2025 10:05	YP\AJ	Ok,M
64	I.BLK	PP072095.D	15 May 2025 10:22	YP\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051525

Review By	yogesh	Review On	5/15/2025 12:54:03 PM		
Supervise By	mohammad	Supervise On	5/19/2025 2:36:10 AM		
SubDirectory	PP051525	HP Acquire Method		HP Processing Method	PP042225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072096.D	15 May 2025 11:12	YP\AJ	Ok
2	AR1660CCC500	PP072097.D	15 May 2025 11:28	YP\AJ	Ok,M
3	AR1242CCC500	PP072098.D	15 May 2025 11:46	YP\AJ	Ok,M
4	AR1248CCC500	PP072099.D	15 May 2025 12:02	YP\AJ	Ok,M
5	AR1254CCC500	PP072100.D	15 May 2025 12:18	YP\AJ	Ok,M
6	I.BLK	PP072101.D	15 May 2025 12:35	YP\AJ	Ok,M
7	Q1990-01DL	PP072102.D	15 May 2025 12:51	YP\AJ	Ok,M
8	Q2032-11	PP072103.D	15 May 2025 13:08	YP\AJ	Ok,M
9	Q2038-01	PP072104.D	15 May 2025 13:24	YP\AJ	Ok,M
10	Q2039-01	PP072105.D	15 May 2025 13:41	YP\AJ	Ok,M
11	Q2043-01	PP072106.D	15 May 2025 13:58	YP\AJ	Ok,M
12	Q2043-03	PP072107.D	15 May 2025 14:14	YP\AJ	Ok,M
13	Q2044-01	PP072108.D	15 May 2025 14:31	YP\AJ	Ok,M
14	Q2047-01	PP072109.D	15 May 2025 14:47	YP\AJ	Ok,M
15	Q2048-01	PP072110.D	15 May 2025 15:04	YP\AJ	Ok,M
16	Q2048-05	PP072111.D	15 May 2025 15:20	YP\AJ	Ok,M
17	AR1660CCC500	PP072112.D	15 May 2025 16:42	YP\AJ	Ok,M
18	AR1242CCC500	PP072113.D	15 May 2025 17:15	YP\AJ	Ok,M
19	AR1248CCC500	PP072114.D	15 May 2025 17:32	YP\AJ	Ok,M
20	AR1254CCC500	PP072115.D	15 May 2025 17:48	YP\AJ	Ok,M
21	I.BLK	PP072116.D	15 May 2025 18:04	YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051525

Review By	yogesh	Review On	5/15/2025 12:54:03 PM		
Supervise By	mohammad	Supervise On	5/19/2025 2:36:10 AM		
SubDirectory	PP051525	HP Acquire Method		HP Processing Method	PP042225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2048-09	PP072117.D	15 May 2025 18:21	YP\AJ	Ok,M
23	Q2048-13	PP072118.D	15 May 2025 18:37	YP\AJ	Ok,M
24	Q2040-04	PP072119.D	15 May 2025 18:53	YP\AJ	Ok,M
25	Q2040-05	PP072120.D	15 May 2025 19:10	YP\AJ	Ok,M
26	Q2040-06	PP072121.D	15 May 2025 19:26	YP\AJ	Ok,M
27	Q2040-07	PP072122.D	15 May 2025 19:42	YP\AJ	Ok,M
28	Q2040-01	PP072123.D	15 May 2025 19:59	YP\AJ	Ok,M
29	AR1660CCC500	PP072124.D	15 May 2025 21:21	YP\AJ	Ok,M
30	AR1242CCC500	PP072125.D	15 May 2025 21:53	YP\AJ	Ok,M
31	AR1248CCC500	PP072126.D	15 May 2025 22:10	YP\AJ	Ok,M
32	AR1254CCC500	PP072127.D	15 May 2025 22:26	YP\AJ	Ok,M
33	I.BLK	PP072128.D	15 May 2025 22:42	YP\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051525

Review By	yogesh	Review On	5/14/2025 3:39:03 PM		
Supervise By	mohammad	Supervise On	5/16/2025 1:55:32 AM		
SubDirectory	PO051525	HP Acquire Method		HP Processing Method	PO051525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO111056.D	14 May 2025 16:43		YP/AJ	Ok
2	I.BLK	I.BLK	PO111057.D	14 May 2025 17:01		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO111058.D	14 May 2025 17:19		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO111059.D	14 May 2025 17:38		YP/AJ	Ok,M
5	AR1660ICC500	AR1660ICC500	PO111060.D	14 May 2025 17:56		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO111061.D	14 May 2025 18:15		YP/AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PO111062.D	14 May 2025 18:33		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO111063.D	14 May 2025 18:51		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO111064.D	14 May 2025 19:10		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO111065.D	14 May 2025 19:28		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO111066.D	14 May 2025 19:46		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO111067.D	14 May 2025 20:05		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO111068.D	14 May 2025 20:23		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO111069.D	14 May 2025 20:41		YP/AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PO111070.D	14 May 2025 21:00		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO111071.D	14 May 2025 21:18		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO111072.D	14 May 2025 21:37		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO111073.D	14 May 2025 21:54		YP/AJ	Ok

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051525

Review By	yogesh	Review On	5/14/2025 3:39:03 PM		
Supervise By	mohammad	Supervise On	5/16/2025 1:55:32 AM		
SubDirectory	PO051525	HP Acquire Method		HP Processing Method	PO051525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PO111074.D	14 May 2025 22:12		YP/AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PO111075.D	14 May 2025 22:31		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO111076.D	14 May 2025 22:49		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO111077.D	14 May 2025 23:06		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO111078.D	14 May 2025 23:25		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO111079.D	14 May 2025 23:43		YP/AJ	Ok
25	AR1262ICC500	AR1262ICC500	PO111080.D	15 May 2025 00:01		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO111081.D	15 May 2025 00:19		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO111082.D	15 May 2025 00:37		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO111083.D	15 May 2025 00:56		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO111084.D	15 May 2025 01:14		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO111085.D	15 May 2025 01:31		YP/AJ	Ok
31	PO051525ICV500	ICVPO051525	PO111086.D	15 May 2025 01:50		YP/AJ	Ok
32	AR1242ICV500	ICVPO051525AR1242	PO111087.D	15 May 2025 02:26		YP/AJ	Ok
33	AR1248ICV500	ICVPO051525AR1248	PO111088.D	15 May 2025 03:03		YP/AJ	Ok
34	AR1254ICV500	ICVPO051525AR1254	PO111089.D	15 May 2025 03:40		YP/AJ	Ok
35	AR1268ICV500	ICVPO051525AR1268	PO111090.D	15 May 2025 04:17		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051725

Review By	yogesh	Review On	5/16/2025 12:25:11 PM		
Supervise By		Supervise On			
SubDirectory	PO051725	HP Acquire Method		HP Processing Method	PO051525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO111127.D	16 May 2025 09:17		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO111128.D	16 May 2025 09:35		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO111129.D	16 May 2025 09:57		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO111130.D	16 May 2025 10:15		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO111131.D	16 May 2025 10:34		YP/AJ	Ok
6	I.BLK	I.BLK	PO111132.D	16 May 2025 10:52		YP/AJ	Ok
7	PB168039BL	PB168039BL	PO111133.D	16 May 2025 12:47	Run with cleanup sample	YP/AJ	Not Ok
8	PB168039BS	PB168039BS	PO111134.D	16 May 2025 13:04		YP/AJ	Ok
9	Q2032-01	TP-11	PO111135.D	16 May 2025 13:21	need cleanup	YP/AJ	Not Ok
10	Q2032-02	TP-29	PO111136.D	16 May 2025 13:40		YP/AJ	Ok
11	Q2032-03	TP-29-99	PO111137.D	16 May 2025 13:57		YP/AJ	Ok
12	Q2032-04	TP-24	PO111138.D	16 May 2025 14:14		YP/AJ	Ok
13	Q2032-05MS	TP-24MS	PO111139.D	16 May 2025 14:33		YP/AJ	Ok,NS
14	Q2032-06MSD	TP-24MSD	PO111140.D	16 May 2025 14:50		YP/AJ	Ok,NS
15	Q2032-07	TP-37	PO111141.D	16 May 2025 15:08		YP/AJ	Ok,NS
16	Q2032-08	TP-32	PO111142.D	16 May 2025 15:27		YP/AJ	Ok
17	AR1660CCC500	AR1660CCC500	PO111143.D	16 May 2025 16:37		YP/AJ	Ok
18	AR1242CCC500	AR1242CCC500	PO111144.D	16 May 2025 16:56		YP/AJ	Ok

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051725

Review By	yogesh	Review On	5/16/2025 12:25:11 PM		
Supervise By		Supervise On			
SubDirectory	PO051725	HP Acquire Method		HP Processing Method	PO051525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PO111145.D	16 May 2025 17:13		YP/AJ	Ok
20	AR1254CCC500	AR1254CCC500	PO111146.D	16 May 2025 17:31		YP/AJ	Ok
21	I.BLK	I.BLK	PO111147.D	16 May 2025 17:50		YP/AJ	Ok
22	Q2052-01	TP-B	PO111148.D	16 May 2025 18:08		YP/AJ	Ok
23	Q2053-01	SB-1	PO111149.D	16 May 2025 18:27	AR1248 Hit , Need 5x dilution	YP/AJ	Dilution
24	Q2053-02	SB-2	PO111150.D	16 May 2025 18:45	AR1248 Hit , Need 10X dilution	YP/AJ	Dilution
25	Q2053-03	SB-3	PO111151.D	16 May 2025 19:03	AR1248 Hit , Need 5x dilution	YP/AJ	Dilution
26	Q2053-04	SB-4	PO111152.D	16 May 2025 19:22	AR1248 Hit , Need 10x dilution	YP/AJ	Dilution
27	Q2053-05	SB-5	PO111153.D	16 May 2025 19:40	AR1248 Hit , Need 10x dilution	YP/AJ	Dilution
28	Q2053-06	SB-6	PO111154.D	16 May 2025 19:58	AR1248 Hit , Need 10X dilution	YP/AJ	Dilution
29	PB168039BL	PB168039BL	PO111155.D	16 May 2025 20:16		YP/AJ	Ok
30	Q2032-01	TP-11	PO111156.D	16 May 2025 20:34		YP/AJ	Ok
31	AR1660CCC500	AR1660CCC500	PO111157.D	16 May 2025 21:44		YP/AJ	Ok,NS
32	AR1242CCC500	AR1242CCC500	PO111158.D	16 May 2025 22:38		YP/AJ	Ok
33	AR1248CCC500	AR1248CCC500	PO111159.D	16 May 2025 22:56		YP/AJ	Ok
34	AR1254CCC500	AR1254CCC500	PO111160.D	16 May 2025 23:11		YP/AJ	Ok
35	I.BLK	I.BLK	PO111161.D	16 May 2025 23:29		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP042225

Review By	yogesh	Review On	4/22/2025 1:34:56 PM		
Supervise By	mohammad	Supervise On	4/24/2025 6:33:42 AM		
SubDirectory	PP042225	HP Acquire Method		HP Processing Method	PP042225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP071387.D	22 Apr 2025 09:56		YP\AJ	Ok
2	I.BLK	I.BLK	PP071388.D	22 Apr 2025 10:13		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP071389.D	22 Apr 2025 10:29		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP071390.D	22 Apr 2025 10:45		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP071391.D	22 Apr 2025 11:02		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP071392.D	22 Apr 2025 11:18		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP071393.D	22 Apr 2025 11:34		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP071394.D	22 Apr 2025 11:51		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP071395.D	22 Apr 2025 12:07		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP071396.D	22 Apr 2025 12:23		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP071397.D	22 Apr 2025 12:39		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PP071398.D	22 Apr 2025 12:56		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP071399.D	22 Apr 2025 13:12		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PP071400.D	22 Apr 2025 13:28		YP\AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PP071401.D	22 Apr 2025 13:45		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP071402.D	22 Apr 2025 14:01		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP071403.D	22 Apr 2025 14:17		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP071404.D	22 Apr 2025 14:33		YP\AJ	Ok

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP042225

Review By	yogesh	Review On	4/22/2025 1:34:56 PM		
Supervise By	mohammad	Supervise On	4/24/2025 6:33:42 AM		
SubDirectory	PP042225	HP Acquire Method		HP Processing Method	PP042225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PP071405.D	22 Apr 2025 14:50		YP\AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PP071406.D	22 Apr 2025 15:06		YP\AJ	Ok
21	AR1254ICC750	AR1254ICC750	PP071407.D	22 Apr 2025 15:22		YP\AJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP071408.D	22 Apr 2025 15:38		YP\AJ	Ok
23	AR1254ICC250	AR1254ICC250	PP071409.D	22 Apr 2025 15:55		YP\AJ	Ok
24	AR1254ICC050	AR1254ICC050	PP071410.D	22 Apr 2025 16:11		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP071411.D	22 Apr 2025 16:27		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP071412.D	22 Apr 2025 16:44		YP\AJ	Ok,M
27	AR1268ICC750	AR1268ICC750	PP071413.D	22 Apr 2025 17:00		YP\AJ	Ok,M
28	AR1268ICC500	AR1268ICC500	PP071414.D	22 Apr 2025 17:16		YP\AJ	Ok,M
29	AR1268ICC250	AR1268ICC250	PP071415.D	22 Apr 2025 17:33		YP\AJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PP071416.D	22 Apr 2025 17:49		YP\AJ	Ok,M
31	PP042225ICV500	ICVPP042225	PP071417.D	22 Apr 2025 18:05		YP\AJ	Ok
32	AR1242ICV500	ICVPP042225AR1242	PP071418.D	22 Apr 2025 18:38		YP\AJ	Ok
33	AR1248ICV500	ICVPP042225AR1248	PP071419.D	22 Apr 2025 19:27		YP\AJ	Ok
34	AR1254ICV500	ICVPP042225AR1254	PP071420.D	22 Apr 2025 19:43		YP\AJ	Ok
35	AR1268ICV500	ICVPP042225AR1268	PP071421.D	22 Apr 2025 20:16		YP\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM		
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM		
SubDirectory	PP051425	HP Acquire Method		HP Processing Method	PP042225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP072032.D	14 May 2025 08:51		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP072033.D	14 May 2025 09:07		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP072034.D	14 May 2025 09:25	DCB high in 2nd column	YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP072035.D	14 May 2025 09:41	DCB high in 2nd column	YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP072036.D	14 May 2025 09:58	DCB high in 2nd column	YP\AJ	Ok,M
6	I.BLK	I.BLK	PP072037.D	14 May 2025 10:14		YP\AJ	Ok,M
7	PB167997BL	PB167997BL	PP072038.D	14 May 2025 13:39		YP\AJ	Ok,M
8	PB167997BS	PB167997BS	PP072039.D	14 May 2025 13:55		YP\AJ	Ok,M
9	Q2010-01	TP-10	PP072040.D	14 May 2025 14:12		YP\AJ	Ok,M
10	Q2010-02	TP-13	PP072041.D	14 May 2025 14:28		YP\AJ	Ok,M
11	Q2010-03	TP-14	PP072042.D	14 May 2025 14:44		YP\AJ	Ok,M
12	Q2010-04	TP-17	PP072043.D	14 May 2025 15:01		YP\AJ	Ok,M
13	Q2019-01	MH-K	PP072044.D	14 May 2025 15:17		YP\AJ	Ok,M
14	Q2019-01MS	MH-KMS	PP072045.D	14 May 2025 15:34		YP\AJ	Ok,M
15	Q2019-01MSD	MH-KMSD	PP072046.D	14 May 2025 15:50		YP\AJ	Ok,M
16	Q2020-01	TP-A	PP072047.D	14 May 2025 16:06	AR1254 Hit	YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP072048.D	14 May 2025 17:12		YP\AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PP072049.D	14 May 2025 17:44		YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM		
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM		
SubDirectory	PP051425	HP Acquire Method		HP Processing Method	PP042225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PP072050.D	14 May 2025 18:01		YP\AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP072051.D	14 May 2025 18:17		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP072052.D	14 May 2025 18:33		YP\AJ	Ok,M
22	Q2005-01	252806	PP072053.D	14 May 2025 18:50	DCB low in 1st column	YP\AJ	Ok
23	Q1990-01	43025-A	PP072054.D	14 May 2025 19:06	AR1254 + 1242 Hit , need dilution	YP\AJ	Dilution
24	Q1990-02	43025-B	PP072055.D	14 May 2025 19:22	AR1254 + 1242 Hit (Need to confirm)	YP\AJ	Ok,M
25	Q2041-01	HIH359A-1-1	PP072056.D	14 May 2025 19:39	AR1254 Hit	YP\AJ	Ok,M
26	Q2041-02	HIH359A-1-2	PP072057.D	14 May 2025 19:55	AR1254 Hit	YP\AJ	Ok,M
27	Q2041-03	HIA9895-1-1	PP072058.D	14 May 2025 20:11		YP\AJ	Ok,M
28	Q2041-04	HIA9895-1-2	PP072059.D	14 May 2025 20:28	Surrogates not detected	YP\AJ	Not Ok
29	Q2041-05	250-1-1	PP072060.D	14 May 2025 20:44		YP\AJ	Ok,M
30	Q2041-06	250-1-2	PP072061.D	14 May 2025 21:00		YP\AJ	Ok
31	Q2041-07	250-2-1	PP072062.D	14 May 2025 21:17		YP\AJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PP072063.D	14 May 2025 22:55		YP\AJ	Ok,M
33	AR1242CCC500	AR1242CCC500	PP072064.D	14 May 2025 23:27		YP\AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PP072065.D	14 May 2025 23:44		YP\AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PP072066.D	15 May 2025 00:00		YP\AJ	Ok,M
36	I.BLK	I.BLK	PP072067.D	15 May 2025 00:16		YP\AJ	Ok,M
37	Q2041-08	250-2-2	PP072068.D	15 May 2025 00:33	DCB high in 1st column	YP\AJ	Ok

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM		
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM		
SubDirectory	PP051425	HP Acquire Method		HP Processing Method	PP042225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q2042-01	HEI570L-1-1	PP072069.D	15 May 2025 00:49	AR1254 Hit	YP\AJ	Ok,M
39	Q2042-02	HEI570L-1-2	PP072070.D	15 May 2025 01:05		YP\AJ	Ok
40	Q2042-04	HEI570L-2-1	PP072071.D	15 May 2025 01:22	AR1254 Hit	YP\AJ	Ok,M
41	Q2042-05	HEI570L-2-2	PP072072.D	15 May 2025 01:38		YP\AJ	Ok,M
42	Q2022-01	336	PP072073.D	15 May 2025 01:55		YP\AJ	Ok,M
43	Q2022-02	COMP-1	PP072074.D	15 May 2025 02:11		YP\AJ	Ok,M
44	Q2022-04	COMP-2	PP072075.D	15 May 2025 02:27		YP\AJ	Ok,M
45	AR1660CCC500	AR1660CCC500	PP072076.D	15 May 2025 04:05		YP\AJ	Ok,M
46	AR1242CCC500	AR1242CCC500	PP072077.D	15 May 2025 04:38		YP\AJ	Ok,M
47	AR1248CCC500	AR1248CCC500	PP072078.D	15 May 2025 04:54		YP\AJ	Ok,M
48	AR1254CCC500	AR1254CCC500	PP072079.D	15 May 2025 05:11		YP\AJ	Ok,M
49	I.BLK	I.BLK	PP072080.D	15 May 2025 05:27		YP\AJ	Ok,M
50	PB168005BL	PB168005BL	PP072081.D	15 May 2025 05:43		YP\AJ	Ok,M
51	PB168005BS	PB168005BS	PP072082.D	15 May 2025 05:59		YP\AJ	Ok,M
52	PB168005BSD	PB168005BSD	PP072083.D	15 May 2025 06:16		YP\AJ	Ok,M
53	PB168009BL	PB168009BL	PP072084.D	15 May 2025 06:32		YP\AJ	Ok,M
54	PB168009BS	PB168009BS	PP072085.D	15 May 2025 06:48		YP\AJ	Ok,M
55	Q2023-01	HEATER-PAD	PP072086.D	15 May 2025 07:05		YP\AJ	Ok,M
56	Q2024-01	PL-02-051325	PP072087.D	15 May 2025 07:21		YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM		
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM		
SubDirectory	PP051425	HP Acquire Method		HP Processing Method	PP042225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

57	Q2027-03	B27-SOIL-SAMPLE	PP072088.D	15 May 2025 07:37		YP\AJ	Ok,M
58	Q2027-04	B28-SOIL-SAMPLE	PP072089.D	15 May 2025 07:54	AR1260 + 1254 Hit	YP\AJ	Ok,M
59	Q2033-01	TW-WTS-08	PP072090.D	15 May 2025 08:10		YP\AJ	Ok,NR
60	AR1660CCC500	AR1660CCC500	PP072091.D	15 May 2025 09:15		YP\AJ	Ok,M
61	AR1242CCC500	AR1242CCC500	PP072092.D	15 May 2025 09:32		YP\AJ	Ok,M
62	AR1248CCC500	AR1248CCC500	PP072093.D	15 May 2025 09:48		YP\AJ	Ok,M
63	AR1254CCC500	AR1254CCC500	PP072094.D	15 May 2025 10:05		YP\AJ	Ok,M
64	I.BLK	I.BLK	PP072095.D	15 May 2025 10:22		YP\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051525

Review By	yogesh	Review On	5/15/2025 12:54:03 PM		
Supervise By	mohammad	Supervise On	5/19/2025 2:36:10 AM		
SubDirectory	PP051525	HP Acquire Method		HP Processing Method	PP042225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP072096.D	15 May 2025 11:12		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP072097.D	15 May 2025 11:28		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP072098.D	15 May 2025 11:46		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP072099.D	15 May 2025 12:02		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP072100.D	15 May 2025 12:18		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP072101.D	15 May 2025 12:35		YP\AJ	Ok,M
7	Q1990-01DL	43025-ADL	PP072102.D	15 May 2025 12:51	AR1254 + 1242 Hit	YP\AJ	Ok,M
8	Q2032-11	FB-05132025	PP072103.D	15 May 2025 13:08		YP\AJ	Ok,M
9	Q2038-01	72-11991	PP072104.D	15 May 2025 13:24		YP\AJ	Ok,M
10	Q2039-01	TR-05-05142025	PP072105.D	15 May 2025 13:41		YP\AJ	Ok,M
11	Q2043-01	281	PP072106.D	15 May 2025 13:58		YP\AJ	Ok,M
12	Q2043-03	72-12000	PP072107.D	15 May 2025 14:14	AR1260 + 1254 Hit	YP\AJ	Ok,M
13	Q2044-01	3858	PP072108.D	15 May 2025 14:31		YP\AJ	Ok,M
14	Q2047-01	SU-04-051425	PP072109.D	15 May 2025 14:47		YP\AJ	Ok,M
15	Q2048-01	L2-WC-1	PP072110.D	15 May 2025 15:04		YP\AJ	Ok,M
16	Q2048-05	L2-WC-2	PP072111.D	15 May 2025 15:20		YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP072112.D	15 May 2025 16:42		YP\AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PP072113.D	15 May 2025 17:15	DCB high in 2nd column	YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051525

Review By	yogesh	Review On	5/15/2025 12:54:03 PM		
Supervise By	mohammad	Supervise On	5/19/2025 2:36:10 AM		
SubDirectory	PP051525	HP Acquire Method		HP Processing Method	PP042225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PP072114.D	15 May 2025 17:32	TCMX high in 2nd column	YP\AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP072115.D	15 May 2025 17:48	TCMX high in 2nd column	YP\AJ	Ok,M
21	I.BLK	I.BLK	PP072116.D	15 May 2025 18:04		YP\AJ	Ok,M
22	Q2048-09	L2-WC-3	PP072117.D	15 May 2025 18:21		YP\AJ	Ok,M
23	Q2048-13	L2-WC-4	PP072118.D	15 May 2025 18:37		YP\AJ	Ok,M
24	Q2040-04	4	PP072119.D	15 May 2025 18:53	AR1242 Hit	YP\AJ	Ok,M
25	Q2040-05	5	PP072120.D	15 May 2025 19:10	AR1242 Hit	YP\AJ	Ok,M
26	Q2040-06	6	PP072121.D	15 May 2025 19:26	AR1242 Hit	YP\AJ	Ok,M
27	Q2040-07	7	PP072122.D	15 May 2025 19:42	AR1242 Hit	YP\AJ	Ok,M
28	Q2040-01	1	PP072123.D	15 May 2025 19:59	AR1242 Hit	YP\AJ	Ok,M
29	AR1660CCC500	AR1660CCC500	PP072124.D	15 May 2025 21:21		YP\AJ	Ok,M
30	AR1242CCC500	AR1242CCC500	PP072125.D	15 May 2025 21:53	DCB high in 2nd column	YP\AJ	Ok,M
31	AR1248CCC500	AR1248CCC500	PP072126.D	15 May 2025 22:10	DCB and TCMX high in 2nd column	YP\AJ	Ok,M
32	AR1254CCC500	AR1254CCC500	PP072127.D	15 May 2025 22:26	DCB high in 2nd column	YP\AJ	Ok,M
33	I.BLK	I.BLK	PP072128.D	15 May 2025 22:42		YP\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/15/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 05/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:28
Out Date: 05/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135767

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
Q2021-01	WASTE	1	1.14	10.48	11.62	10.41	88.5	
Q2021-02	VOC	2	1.19	10.25	11.44	9.99	85.9	
Q2021-03	1	3	1.15	10.01	11.16	9.88	87.2	
Q2021-04	2	4	1.18	10.25	11.43	9.88	84.9	
Q2021-05	3	5	1.17	10.09	11.26	10.12	88.7	
Q2021-06	4	6	1.16	10.60	11.76	10.5	88.1	
Q2021-07	5	7	1.18	10.60	11.78	10.36	86.6	
Q2021-08	6	8	1.18	10.21	11.39	10.12	87.6	
Q2032-01	TP-11	9	1.14	10.08	11.22	8.83	76.3	
Q2032-02	TP-29	10	1.18	10.39	11.57	10.13	86.1	
Q2032-03	TP-29-99	11	1.19	10.40	11.59	10.22	86.8	
Q2032-04	TP-24	12	1.15	10.70	11.85	9.09	74.2	
Q2032-05	Q2032-04MS	13	1.15	10.70	11.85	9.09	74.2	
Q2032-06	Q2032-04MSD	14	1.15	10.70	11.85	9.09	74.2	
Q2032-07	TP-37	15	1.19	10.00	11.19	9.44	82.5	
Q2032-08	TP-32	16	1.17	10.08	11.25	9.92	86.8	
Q2034-01	L3-WC-1	17	1.14	10.24	11.38	10.11	87.6	
Q2034-02	L3-WC-1-EPH	18	1.18	10.23	11.41	10.22	88.4	
Q2034-03	L3-WC-1-VOC	19	1.15	10.10	11.25	10.19	89.5	
Q2034-04	L3-WC-1	20	1.14	10.24	11.38	10.11	87.6	
Q2034-05	L3-WC-2	21	1.17	10.18	11.35	9.88	85.6	
Q2034-06	L3-WC-2-EPH	22	1.18	10.71	11.89	10.47	86.7	
Q2034-07	L3-WC-2-VOC	23	1.19	10.52	11.71	10.46	88.1	
Q2034-09	L3-WC-3	24	1.14	10.26	11.4	9.65	82.9	
Q2034-10	L3-WC-3-EPH	25	1.14	10.26	11.4	10.11	87.4	
Q2034-11	L3-WC-3-VOC	26	1.19	10.53	11.72	10.39	87.4	
Q2034-13	L3-WC-4	27	1.18	10.51	11.69	10.26	86.4	
Q2034-14	L3-WC-4-EPH	28	1.15	10.42	11.57	10.23	87.1	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/15/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 05/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:28
Out Date: 05/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135767

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
Q2034-15	L3-WC-4-VOC	29	1.15	10.37	11.52	10.7	92.1	
Q2034-17	L3-WC-5	30	1.13	10.76	11.89	10.49	87.0	
Q2034-18	L3-WC-5-EPH	31	1.15	10.66	11.81	10.02	83.2	
Q2034-19	L3-WC-5-VOC	32	1.19	10.72	11.91	10.6	87.8	
Q2034-21	L3-WC-6	33	1.18	10.14	11.32	9.92	86.2	
Q2034-22	L3-WC-6-EPH	34	1.14	10.08	11.22	10.6	93.8	
Q2034-23	L3-WC-6-VOC	35	1.11	10.00	11.11	9.3	81.9	
Q2038-01	72-11991	36	1.15	10.56	11.71	10.81	91.5	
Q2039-01	TR-05-05142025	37	1.18	9.92	11.1	9.54	84.3	
Q2039-02	TR-05-05142025-E2	38	1.15	10.23	11.38	10.17	88.2	
Q2040-01	1	39	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2040-02	2	40	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2040-03	3	41	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2040-04	4	42	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2040-05	5	43	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2040-06	6	44	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2040-07	7	45	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2041-01	HIH359A-1-1	46	1.00	1.00	2.00	2.00	100.0	oilc
Q2041-02	HIH359A-1-2	47	1.00	1.00	2.00	2.00	100.0	oilc
Q2041-03	HIA9895-1-1	48	1.00	1.00	2.00	2.00	100.0	oilc
Q2041-04	HIA9895-1-2	49	1.00	1.00	2.00	2.00	100.0	oilc
Q2041-05	250-1-1	50	1.00	1.00	2.00	2.00	100.0	oilc
Q2041-06	250-1-2	51	1.00	1.00	2.00	2.00	100.0	oilc
Q2041-07	250-2-1	52	1.00	1.00	2.00	2.00	100.0	oilc
Q2041-08	250-2-2	53	1.00	1.00	2.00	2.00	100.0	oilc
Q2042-01	HEI570L-1-1	54	1.00	1.00	2.00	2.00	100.0	oilc
Q2042-02	HEI570L-1-2	55	1.00	1.00	2.00	2.00	100.0	oilc
Q2042-04	HEI570L-2-1	56	1.00	1.00	2.00	2.00	100.0	oilc

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/15/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 05/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:28
Out Date: 05/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135767

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
Q2042-05	HEI570L-2-2	57	1.00	1.00	2.00	2.00	100.0	oilc
Q2043-01	281	58	1.18	10.26	11.44	9.29	79.0	
Q2043-02	281-E2	59	1.16	10.44	11.6	10.6	90.4	
Q2043-03	72-12000	60	1.19	10.35	11.54	8.15	67.2	
Q2043-04	72-12000-E2	61	1.11	10.38	11.49	6.56	52.5	
Q2044-01	3858	62	1.00	1.00	2.00	2.00	100.0	oil sample
Q2046-01	BC136902-1-1	63	1.00	1.00	2.00	2.00	100.0	oilc
Q2046-02	BC136902-1-2	64	1.00	1.00	2.00	2.00	100.0	oilc
Q2047-01	SU-04-051425	65	1.18	10.07	11.25	10.72	94.7	
Q2047-02	SU-04-051425-E2	66	1.18	10.37	11.55	10.9	93.7	
Q2048-01	L2-WC-1	67	1.19	10.47	11.66	10.29	86.9	
Q2048-02	L2-WC-1-EPH	68	1.19	10.30	11.49	9.87	84.3	
Q2048-03	L2-WC-1-VOC	69	1.18	10.31	11.49	10.17	87.2	
Q2048-05	L2-WC-2	70	1.16	10.26	11.42	9.82	84.4	
Q2048-06	L2-WC-2-EPH	71	1.17	10.13	11.3	9.06	77.9	
Q2048-07	L2-WC-2-VOC	72	1.18	10.42	11.6	9.88	83.5	
Q2048-09	L2-WC-3	73	1.17	10.15	11.32	9.02	77.3	
Q2048-10	L2-WC-3-EPH	74	1.18	10.07	11.25	9.17	79.3	
Q2048-11	L2-WC-3-VOC	75	1.17	10.49	11.66	9.94	83.6	
Q2048-13	L2-WC-4	76	1.11	10.64	11.75	10.24	85.8	
Q2048-14	L2-WC-4-EPH	77	1.19	10.13	11.32	10.04	87.4	
Q2048-15	L2-WC-4-VOC	78	1.13	10.07	11.2	9.81	86.2	

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

WORKLIST(Hardcopy Internal Chain)

UB 135767

WorkList Name : %1-051425 **WorkList ID :** 189504 **Department :** Wet-Chemistry **Date :** 05-14-2025 09:06:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2021-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/12/2025	Chemtech -SO
Q2021-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/12/2025	Chemtech -SO
Q2021-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/12/2025	Chemtech -SO
Q2021-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/12/2025	Chemtech -SO
Q2021-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/12/2025	Chemtech -SO
Q2021-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/12/2025	Chemtech -SO
Q2021-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/12/2025	Chemtech -SO
Q2021-08	6	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/12/2025	Chemtech -SO
Q2032-01	TP-11	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/12/2025	Chemtech -SO
Q2032-02	TP-29	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/13/2025	Chemtech -SO
Q2032-03	TP-29-99	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/13/2025	Chemtech -SO
Q2032-04	TP-24	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/13/2025	Chemtech -SO
Q2032-05	Q2032-04MS	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/13/2025	Chemtech -SO
Q2032-06	Q2032-04MSD	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/13/2025	Chemtech -SO
Q2032-07	TP-37	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/13/2025	Chemtech -SO
Q2032-08	TP-32	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/13/2025	Chemtech -SO
Q2034-01	L3-WC-1	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/13/2025	Chemtech -SO
Q2034-02	L3-WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-03	L3-WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-04	L3-WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-05	L3-WC-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO

Date/Time 05.14.25 15:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 05-14-25 17:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB 135767

WorkList Name : %1-051425 **WorkList ID :** 189504 **Department :** Wet-Chemistry **Date :** 05-14-2025 09:06:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2034-06	L3-WC-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-07	L3-WC-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-09	L3-WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-10	L3-WC-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-11	L3-WC-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-13	L3-WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-14	L3-WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-15	L3-WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-17	L3-WC-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-18	L3-WC-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-19	L3-WC-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-21	L3-WC-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-22	L3-WC-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-23	L3-WC-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2038-01	72-11991	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2039-01	TR-05-05142025	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/14/2025	Chemtech -SO
Q2039-02	TR-05-05142025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L21	05/14/2025	Chemtech -SO
Q2040-01	1	Solid	Percent Solids	Cool 4 deg C	PSEG05	L21	05/14/2025	Chemtech -SO
Q2040-02	2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2040-03	3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2040-04	4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO

Date/Time 05-14-25 1510

Raw Sample Received by: JB WC,

Raw Sample Relinquished by: CP SM

Date/Time 05-14-25 1730

Raw Sample Received by: CP SM

Raw Sample Relinquished by: JB WC,

WORKLIST(Hardcopy Internal Chain)

LB135767

WorkList Name : %1-051425 **WorkList ID :** 189504 **Department :** Wet-Chemistry **Date :** 05-14-2025 09:06:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2040-05	5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2040-06	6	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2040-07	7	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2041-01	HIH359A-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2041-02	HIH359A-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2041-03	HIA9895-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2041-04	HIA9895-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2041-05	250-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2041-06	250-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2041-07	250-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2041-08	250-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2042-01	HEI570L-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2042-02	HEI570L-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2042-04	HEI570L-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2042-05	HEI570L-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2043-01	281	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2043-02	281-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2043-03	72-12000	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2043-04	72-12000-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2044-01	3858	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2046-01	BC136902-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/14/2025	Chemtech -SO

Date/Time 05-14-25 1510

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

Date/Time 05-14-25 1730

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

1135767

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-051425 **WorkList ID :** 189504 **Department :** Wet-Chemistry **Date :** 05-14-2025 09:06:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2046-02	BC136902-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/14/2025	Chemtech -SO
Q2047-01	SU-04-051425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/14/2025	Chemtech -SO
Q2047-02	SU-04-051425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/14/2025	Chemtech -SO
Q2048-01	L2-WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-02	L2-WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-03	L2-WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-05	L2-WC-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-06	L2-WC-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-07	L2-WC-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-09	L2-WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-10	L2-WC-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-11	L2-WC-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-13	L2-WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-14	L2-WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-15	L2-WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO

Date/Time 05-14-25 15:10

Raw Sample Received by: JB WEC

Raw Sample Relinquished by: CL SM

Date/Time 05-14-25 17:30

Raw Sample Received by: CL SM

Raw Sample Relinquished by: JB WEC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168005

SOP ID: M3510C,3580A-Extraction PCB-14

Clean Up SOP #: Acid Cleanup

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 05/14/2025

Extraction Start Time : 09:08

Extraction End Date : 05/14/2025

Extraction End Time : 15:15

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: [√] Seperatory Funnel [_] Continious Liquid/Liquid [_] Sonication [_] Waste Dilution [_] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24461
Surrogate	1.0ML	200 PPB	PP24460
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
Methylene Chloride	N/A	E3930
Baked Na2SO4	N/A	EP2607
Hexane	N/A	E3933
H2SO4 1:1	N/A	EP2610
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# 03-40BTS723, Q2032 & Q2033 added at 10:36 AM. pH Adjusted with 1:1 H2SO4.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/14/25	RS (Ext Lab)	Y-Pest/PCB
15:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168005

Analytical Method: M3510C,3580A-Extraction PCB-14

Concentration Date: 05/09/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168005BL	ABLK005	PCB	1000	6	RUPESH	ritesh	10			SEP-11
PB168005BS	ALCS005	PCB	1000	6	RUPESH	ritesh	10			12
PB168005BSD	ALCSD005	PCB	1000	6	RUPESH	ritesh	10			13
Q2005-01	252806	PCB	990	6	RUPESH	ritesh	10	P		14
Q2032-11	FB-05132025	PCB	980	6	RUPESH	ritesh	10	I		15
Q2033-01	TW-WTS-08	PCB	970	12	RUPESH	ritesh	10	G		16

RS
5/14

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

16800's
9:08 PUB

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2005P **WorkList ID :** 189503 **Department :** Extraction **Date :** 05-14-2025 09:01:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2005-01	252806	Water	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2005-01	252806	Water	PCB	Cool 4 deg C	PSEG03	L41	05/09/2025	8082A
Q2005-01	252806	Water	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B

Date/Time 5/14/25 9:01

Raw Sample Received by: RS (EGH-Lab)

Raw Sample Relinquished by: [signature]

Date/Time 5/14/25 9:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: RS (EGH-Lab)

168005

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2032 **WorkList ID :** 189514 **Department :** Extraction **Date :** 05-14-2025 10:36:49

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2032-11	FB-05132025	Water	Herbicide	Cool 4 deg C	CAMP02	L41	05/13/2025	8151A
Q2032-11	FB-05132025	Water	PCB	Cool 4 deg C	CAMP02	L41	05/13/2025	8082A
Q2032-11	FB-05132025	Water	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/13/2025	8081B
Q2033-01	TW-WTS-08	Water	PCB	Cool 4 deg C	ENTA05	L41	05/12/2025	8082A

Date/Time 5/14/25 10:36
Raw Sample Received by: RS (Ext-Lab)
Raw Sample Relinquished by: JD (CSM)

Date/Time 5/14/25 11:00
Raw Sample Received by: JD (CSM)
Raw Sample Relinquished by: RS (Ext-Lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168039

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	05/16/2025
Matrix :	Solid			**Extraction Start Time :**	09:24
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	05/16/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:25
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24461
Surrogate	1.0ML	200 PPB	PP24460
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	EP2613
Baked Na2SO4	N/A	EP2611
Sand	N/A	E2865
Hexane	N/A	E3934
H2SO4 1:1	N/A	EP2610
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 BTS723.

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
5/16/25	RS (E04-Lab)	Y-P-Post-IPCB.
12:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168039

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/16/2025

Sample ID	Client Sample ID	Test	(g)/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168039BL	ABLK039	PCB	30.01	N/A	ritesh	Evelyn	10			U1-1
PB168039BS	ALCS039	PCB	30.03	N/A	ritesh	Evelyn	10			2
Q2032-01	TP-11	PCB	30.05	N/A	ritesh	Evelyn	10	E		3
Q2032-02	TP-29	PCB	30.04	N/A	ritesh	Evelyn	10	E		4
Q2032-03	TP-29-99	PCB	30.08	N/A	ritesh	Evelyn	10	E		5
Q2032-04	TP-24	PCB	30.02	N/A	ritesh	Evelyn	10	E		6
Q2032-05	Q2032-04MS	PCB	30.04	N/A	ritesh	Evelyn	10	E		U2-1
Q2032-06	Q2032-04MSD	PCB	30.06	N/A	ritesh	Evelyn	10	E		2
Q2032-07	TP-37	PCB	30.03	N/A	ritesh	Evelyn	10	E		3
Q2032-08	TP-32	PCB	30.01	N/A	ritesh	Evelyn	10	E		4
Q2052-01	TP-B	PCB	30.07	N/A	ritesh	Evelyn	10	E		5
Q2053-01	SB-1	PCB	30.03	N/A	ritesh	Evelyn	10	B		6
Q2053-02	SB-2	PCB	30.08	N/A	ritesh	Evelyn	10	B		U3-1
Q2053-03	SB-3	PCB	30.02	N/A	ritesh	Evelyn	10	B		2
Q2053-04	SB-4	PCB	30.04	N/A	ritesh	Evelyn	10	B		3
Q2053-05	SB-5	PCB	30.06	N/A	ritesh	Evelyn	10	B		4
Q2053-06	SB-6	PCB	30.05	N/A	ritesh	Evelyn	10	B		5
Q2053-07	SB-7	PCB	30.03	N/A	ritesh	Evelyn	10	B		6
Q2053-08	SB-8	PCB	30.02	N/A	ritesh	Evelyn	10	B		U7-1
Q2053-09	SB-9	PCB	30.09	N/A	ritesh	Evelyn	10	B		2
Q2053-10	SB-10	PCB	30.07	N/A	ritesh	Evelyn	10	B		3
Q2053-11	SB-11	PCB	30.04	N/A	ritesh	Evelyn	10	B		4
Q2055-01	OR-02-051525	PCB	30.03	N/A	ritesh	Evelyn	10	E		5
Q2057-01	MH-L	PCB	30.02	N/A	ritesh	Evelyn	10	E		6

RS 5/16

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

168039
9:24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2032P **WorkList ID :** 189546 **Department :** Extraction **Date :** 05-16-2025 08:25:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2032-01	TP-11	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/13/2025	8082A
Q2032-02	TP-29	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/13/2025	8082A
Q2032-03	TP-29-99	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/13/2025	8082A
Q2032-04	TP-24	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/13/2025	8082A
Q2032-05	Q2032-04MS	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/13/2025	8082A
Q2032-06	Q2032-04MSD	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/13/2025	8082A
Q2032-07	TP-37	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/13/2025	8082A
Q2032-08	TP-32	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/13/2025	8082A
Q2052-01	TP-B	Solid	PCB	Cool 4 deg C	PSEG03	L51	05/14/2025	8082A
Q2053-01	SB-1	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/15/2025	8082A
Q2053-02	SB-2	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/15/2025	8082A
Q2053-03	SB-3	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/15/2025	8082A
Q2053-04	SB-4	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/15/2025	8082A
Q2053-05	SB-5	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/15/2025	8082A
Q2053-06	SB-6	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/15/2025	8082A
Q2053-07	SB-7	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/15/2025	8082A
Q2053-08	SB-8	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/15/2025	8082A
Q2053-09	SB-9	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/15/2025	8082A
Q2053-10	SB-10	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/15/2025	8082A
Q2053-11	SB-11	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/15/2025	8082A
Q2055-01	OR-02-051525	Solid	PCB	Cool 4 deg C	PSEG05	L31	05/15/2025	8082A

Date/Time 05/16/25 9:20
Raw Sample Received by: RJ CLH-(ALS)
Raw Sample Relinquished by: CP SM

Date/Time 05/16/25 10:00
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ CLH-(ALS)

1680 35
9:24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2032P **WorkList ID :** 189546 **Department :** Extraction **Date :** 05-16-2025 08:25:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2057-01	MH-L	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/15/2025	8082A

Date/Time 05/16/25 9:20
Raw Sample Received by: RJ (EXL-lab)
Raw Sample Relinquished by: [signature]

Date/Time 05/16/25 10:00
Raw Sample Received by: [signature]
Raw Sample Relinquished by: RJ (EXL-lab)

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

Prep Standard - Chemical Standard Summary

Order ID : Q2032

Test : PCB

Prepbatch ID : PB168005,PB168039,

Sequence ID/Qc Batch ID: PO051725,pp051425,pp051525,

Standard ID :

EP2607,EP2610,EP2611,EP2613,PP24329,PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369,PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387,PP24460,PP24461,

Chemical ID :

E2865,E3551,E3804,E3877,E3917,E3930,E3932,E3933,E3934,M6157,P11522,P12699,P12702,P12931,P12936,P12949,P12955,P12957,P13355,P13356,P13373,P13381,P13589,P13591,P13697,P13702,P13830,P13878,P13883,W3112,W3177,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2607	04/25/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 04/25/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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

FROM 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2611	05/09/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/09/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2613	05/09/2025	11/05/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 05/09/2025

FROM 4000.00000ml of E3932 + 4000.00000ml of E3933 = Final Quantity: 8000.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
202	AR1660 1000/100 ppb working solution 1st source	PP24330	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
203	AR1660 750 PPB STD	PP24331	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24330 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
204	AR1660 500 PPB STD	PP24332	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24330 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
205	AR1660 250 PPB STD	PP24333	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24330 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
206	AR1660 50 PPB STD	PP24334	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24332 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
213	AR1221 1000 PPB WORKING SOLUTION	PP24335	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13702 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1079	AR1221 750 PPB STD	PP24336	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24335 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
222	AR1221 500 PPB STD	PP24337	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24335 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1080	AR1221 250 PPB STD	PP24338	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24335 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1081	AR1221 50 PPB STD	PP24339	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24337 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
214	AR1232 1000 PPB WORKING SOLUTION	PP24340	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13878 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1063	AR1232 750 PPB STD	PP24341	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24340 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
223	AR1232 500 PPB STD	PP24342	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24340 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1064	AR1232 250 PPB STD	PP24343	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24340 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1065	AR1232 50 PPB STD	PP24344	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24342 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
215	AR1242 1000 PPB WORKING STD	PP24345	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P12931 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1067	AR1242 750 PPB STD	PP24346	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.75000ml of PP24345 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
224	AR1242 500 PPB STD	PP24347	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24345 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1068	AR1242 250 PPB STD	PP24348	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24345 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1069	AR1242 50 PPB STD	PP24349	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24347 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
216	AR1248 1000 PPB WORKING STD	PP24350	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P12936 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1075	AR1248 750 PPB STD	PP24351	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24350 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
225	AR1248 500 PPB STD	PP24352	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24350 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1076	AR1248 250 PPB STD	PP24353	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24350 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1077	AR1248 50 PPB STD	PP24354	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24352 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
217	AR1254 1000 PPB WORKING STD	PP24355	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13830 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1071	AR1254 750 PPB STD	PP24356	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24355 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
226	AR1254 500 PPB STD	PP24357	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24355 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1072	AR1254 250 PPB STD	PP24358	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24355 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1073	AR1254 50 PPB STD	PP24359	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24357 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1529	AR1262 1000 PPB Working Solution	PP24360	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13883 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3753	AR1262 750 PPB STD	PP24361	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24360 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1530	AR1262 500 PPB STD	PP24362	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24360 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3754	AR1262 250 PPB STD	PP24363	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24360 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3755	AR1262 50 PPB STD	PP24364	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24362 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1532	AR1268 1000 PPB Working Solution	PP24365	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13381 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3820	AR1268 750 PPB STD	PP24366	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24365 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1533	AR1268 500 PPB STD	PP24367	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24365 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3821	AR1268 250 PPB STD	PP24368	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24365 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3822	AR1268 50 PPB STD	PP24369	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24367 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
404	AR1660 100 PPM Stock Solution 2nd Source	PP24370	03/18/2025	09/18/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12949 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
405	AR1660 1000/100 PPB ICV STD	PP24371	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 98.50000ml of W3177 + 0.50000ml of PP24329 + 1.00000ml of PP24370 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
406	AR1660 500 PPB ICV	PP24372	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24371 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP24373	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13373 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1886	AR1221 500 PPB ICV	PP24374	03/18/2025	08/12/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of E3877 + 0.50000ml of W3177 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP24375	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12699 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1888	AR1232 500 PPB ICV	PP24376	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24375 = Final Quantity: 1.000 ml

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

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	PP24377	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13589 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1891	AR1242 500 PPB ICV	PP24378	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24377 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP24379	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13591 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1892	AR1248 500 PPB ICV	PP24380	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24379 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

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

FROM 1.00000ml of P12957 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1894	AR1254 500 PPB ICV	PP24382	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24381 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3757	AR1262 1000 PPB Working Solution second source	PP24384	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12702 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3758	AR1262 500 PPB STD ICV	PP24385	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24384 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3817	AR1268 1000 ppb Working Soln. 2nd source	PP24386	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P11522 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3823	AR1268 500 PPB STD ICV	PP24387	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24386 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP24460	04/11/2025	10/03/2025	Abdul Mirza	None	None	Yogesh Patel 04/16/2025

FROM 1.00000ml of P13355 + 999.00000ml of E3917 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24461	04/11/2025	10/03/2025	Abdul Mirza	None	None	Yogesh Patel 04/16/2025

FROM 0.50000ml of P12955 + 99.50000ml of E3917 = Final Quantity: 100.000 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	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)	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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	02/20/2026	05/02/2025 / RUPESH	03/09/2025 / RUPESH	E3930

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3933

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	05/12/2025 / RUPESH	04/23/2025 / RUPESH	E3934

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	91867 / Aroclor 1232 100 ug/mL	020823	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12699

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	x9166 / Aroclor 1262 100 ug/mL	060523	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12702

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	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12931

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	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12936

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	09/18/2025	03/18/2025 / yogesh	12/20/2023 / Yogesh	P12949

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	10/11/2025	04/11/2025 / Abdul	12/20/2023 / Yogesh	P12955

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	10/11/2025	04/11/2025 / Abdul	04/22/2024 / Abdul	P13355

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	09/18/2025	03/18/2025 / yogesh	05/02/2024 / Ankita	P13373

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0207475	09/18/2025	03/18/2025 / yogesh	05/03/2024 / Abdul	P13381

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13589

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006726317	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13591

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0210629	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13697

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	A0215270	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13702

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0217391	09/18/2025	03/18/2025 / yogesh	12/09/2024 / Ankita	P13830

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0219655	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13878

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	A0220950	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13883

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

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

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.

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 03/31/25

E3917

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

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

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

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

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

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

E3930

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

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

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

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

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

E 3932

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

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

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

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

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

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

E3933

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.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

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

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

E3934

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

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

avantor | J.T.Baker

M615 MB

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

Certificate of Analysis

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

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

avantor™ | J.T.Baker

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

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

For Laboratory,Research,or Manufacturing Use

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

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

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

P11518 ↓ P11522 AJ 02/21/22

Agilent

Certificate of Analysis

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1 **Lot Issue Date:** 09-Feb-2021

Lot Number: 0006587800 **Expiration Date:** 31-Mar-2029

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

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

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

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

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

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

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

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

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

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

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

Sample lot approver:

M Bourgeois

Monica Bourgeois
QMS Representative

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

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

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

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

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

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

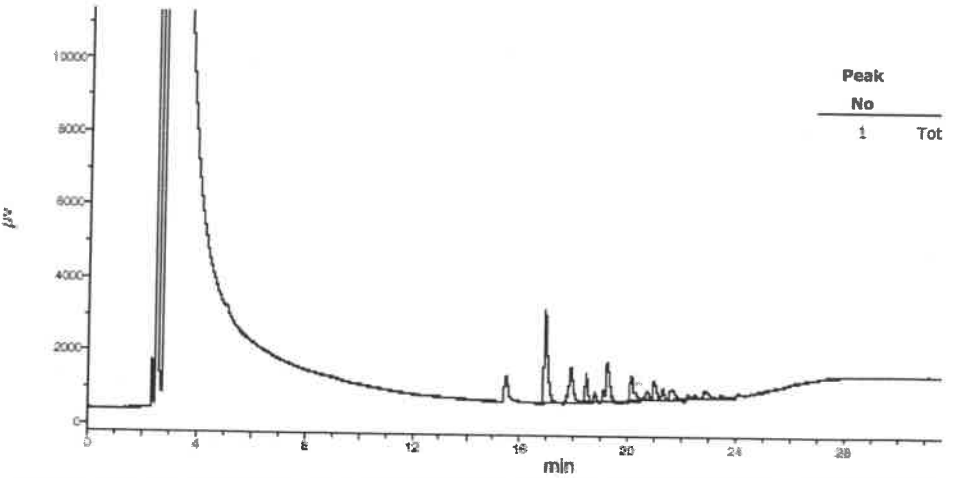
5E-05 Balance Uncertainty
0.057 Flask Uncertainty

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



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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.)

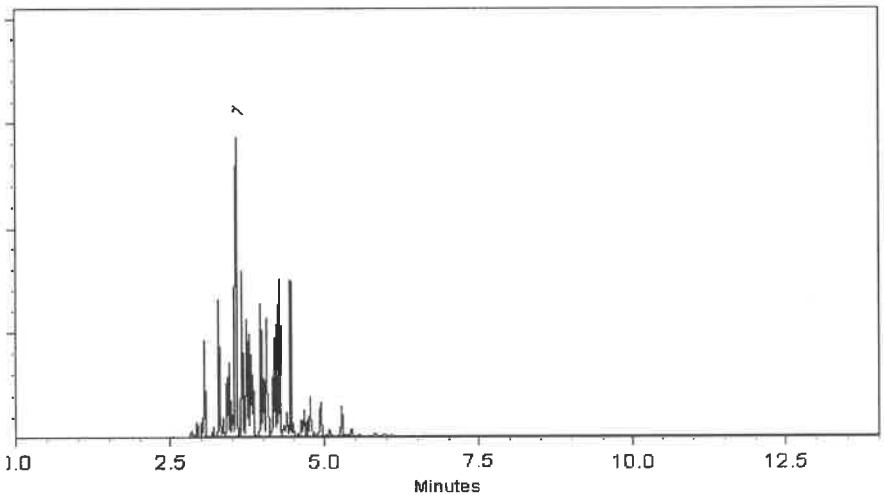
Inj. Temp:
250°C

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

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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.)

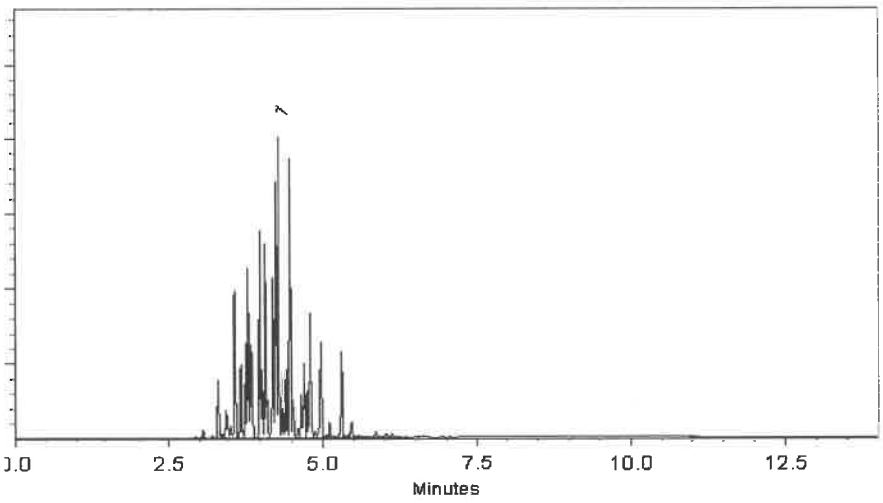
Inj. Temp:
250°C

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

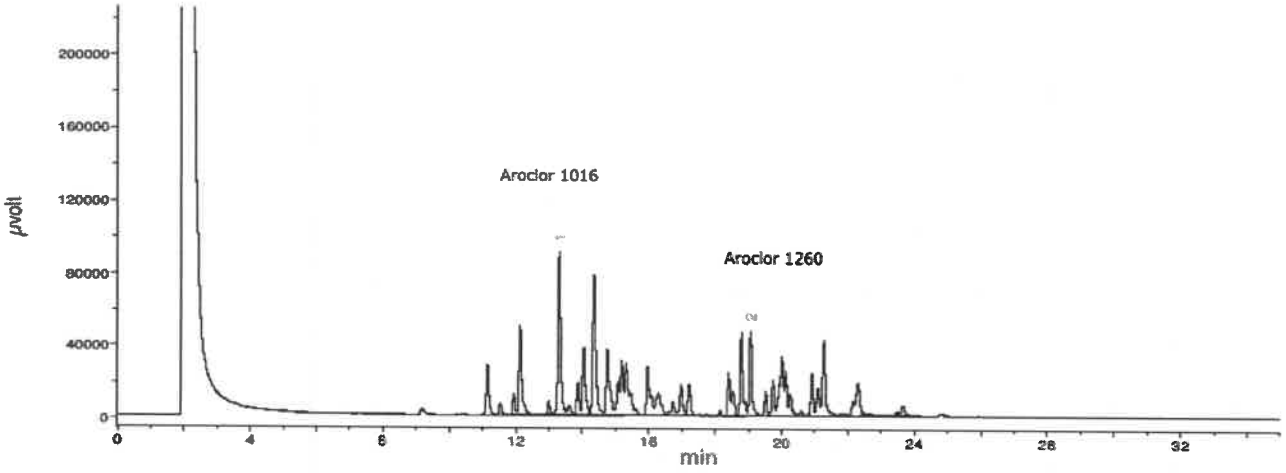
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

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



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

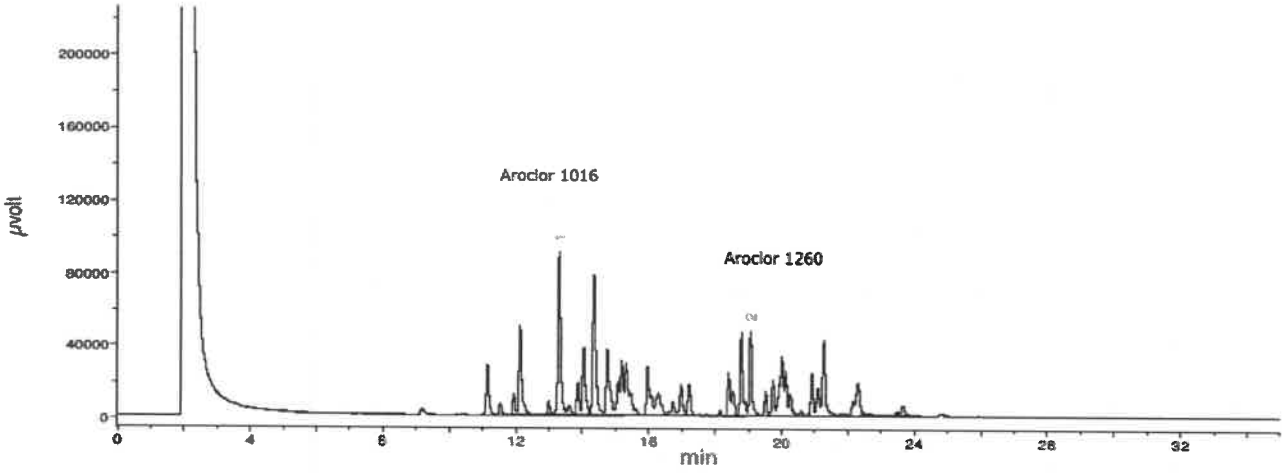
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

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



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:	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

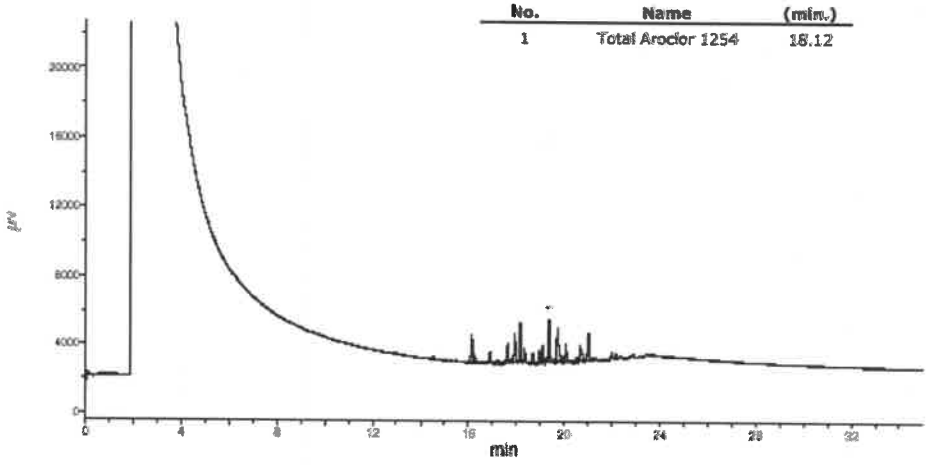
Note: Aroclor 1254 is a mix of isomers.

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



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.)

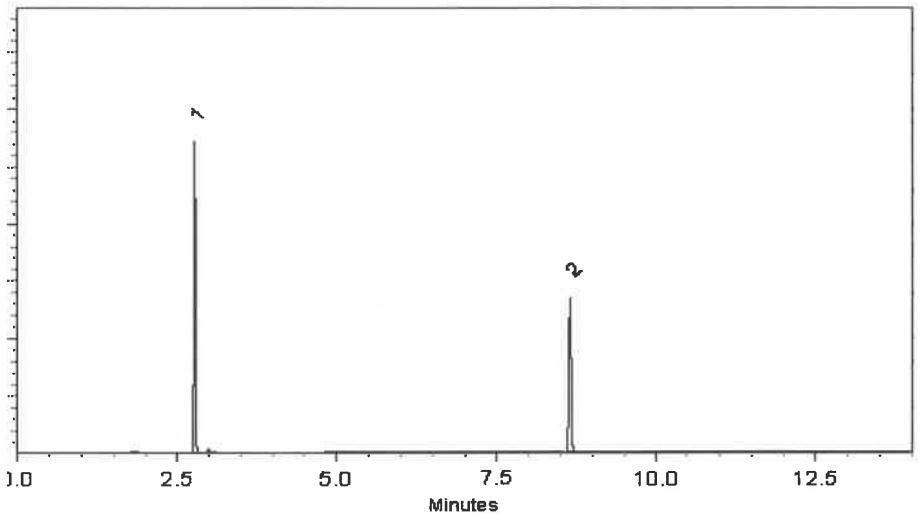
Inj. Temp:
250°C

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

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.)

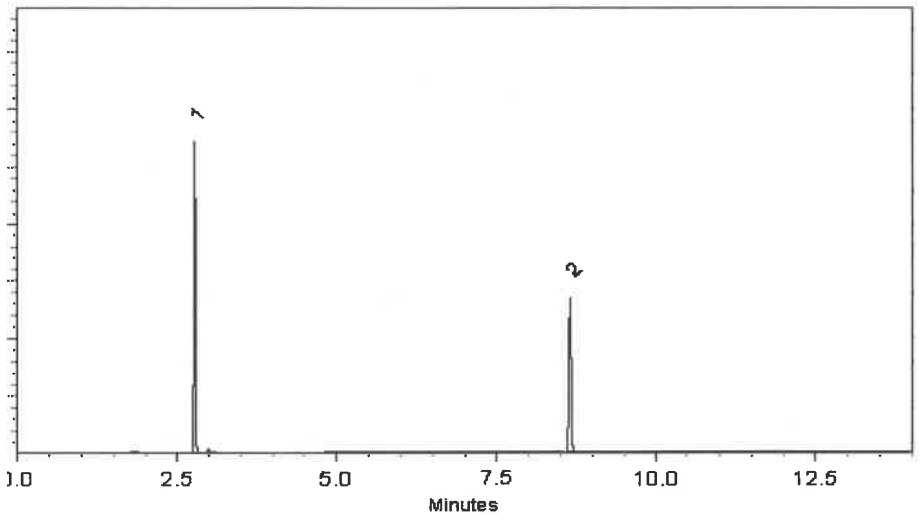
Inj. Temp:
250°C

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

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**

Agilent

Trusted Answers

Maintenance of Certification:

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

Sample lot approver:

Monica Bourgeois

QMS Representative

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**

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

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

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32410 **Lot No.:** A0207475

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, 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 1268	11100-14-4	10947000	----%	1,000.0 µg/mL	+/- 55.4925

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

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

P 13380 2
P 13381
1
05/6/2024

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

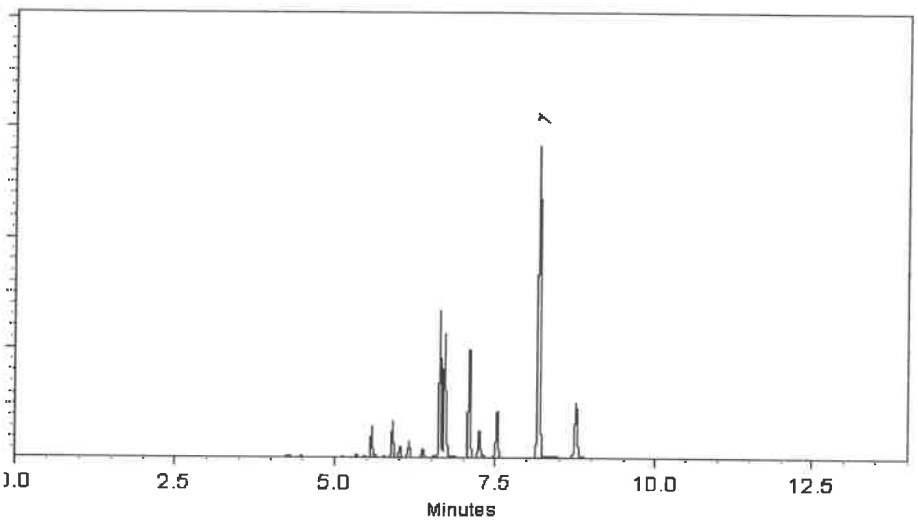
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 500:1

Inj. Vol
0.2µl



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

Michael Maye - Operations Tech I

Date Mixed: 06-Feb-2024 **Balance Serial #** B442140311

Dillan Murphy - Operations Technician I

Date Passed: 09-Feb-2024

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

P13380 (2)
↓
P13381
1

05/6/2024

ISO 17034

Agilent
Trusted Answers

Reference Material Certificate

Product Name:	Aroclor 1242 Standard	**Lot Number:**	0006665550
Product Number:	PP-312-1	**Lot Issue Date:**	08-Feb-2022
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	31-Jan-2027

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

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

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

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

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

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

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

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

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

P13589
↓
P13590

AJ
10/14/24

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

Sample lot approver:

Monica Bourgeois
QMS Representative

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

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

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

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

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

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material (RM) standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above. Purity values are taken from approved vendor raw material certificates.

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

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

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

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

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

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

P13591
↓
P13592

AJ
10/14/2024

Agilent

Trusted Answers

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

Sample lot approver:

Monica Bourgeois
QMS Representative

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Aroclor® 1016/1260 Mix

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

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

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

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

P13697 ↓ P13701 } Y.P. 10/19/24

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

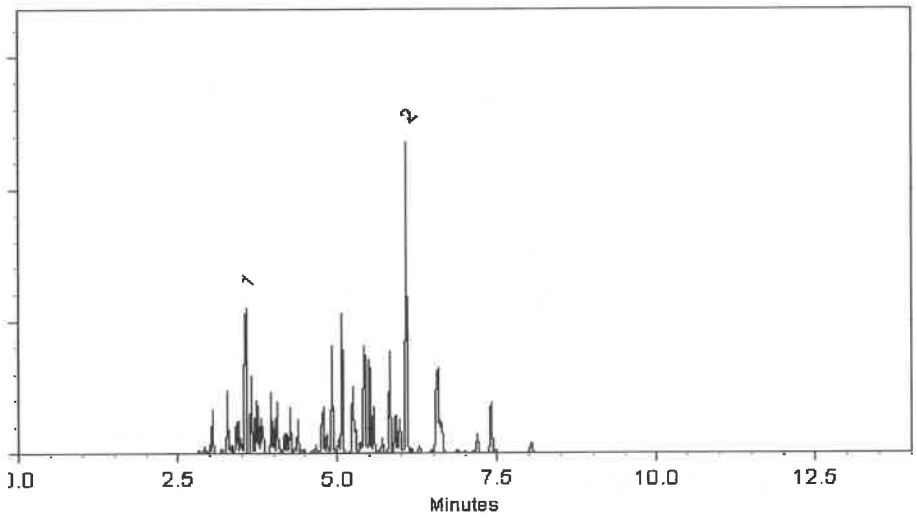
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



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

Laith Clemente - Operations Technician I

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

Dillan Murphy - Operations Technician I

Date Passed: 24-Apr-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32007 **Lot No.:** A0215270

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, 2030 **Storage:** 25°C nominal

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

P13702 & P13703 } Y.P. 10/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	14969200	----%	1,005.0 µg/mL	+/- 55.7700

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

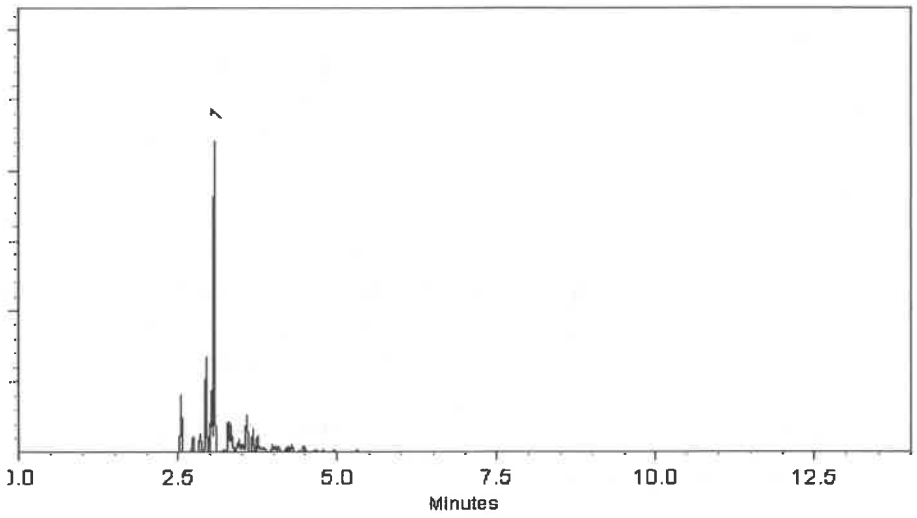
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Michael Maye - Operations Tech I

Date Mixed: 16-Aug-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-Aug-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Aroclor® 1254 Standard

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

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

Expiration Date : January 31, 2031 **Storage:** 25°C nominal

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

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	124-191-B	----%	1,004.7 µg/mL	+/- 55.7515

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

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

P13830
↓
P13832

AJ
12/09/24

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

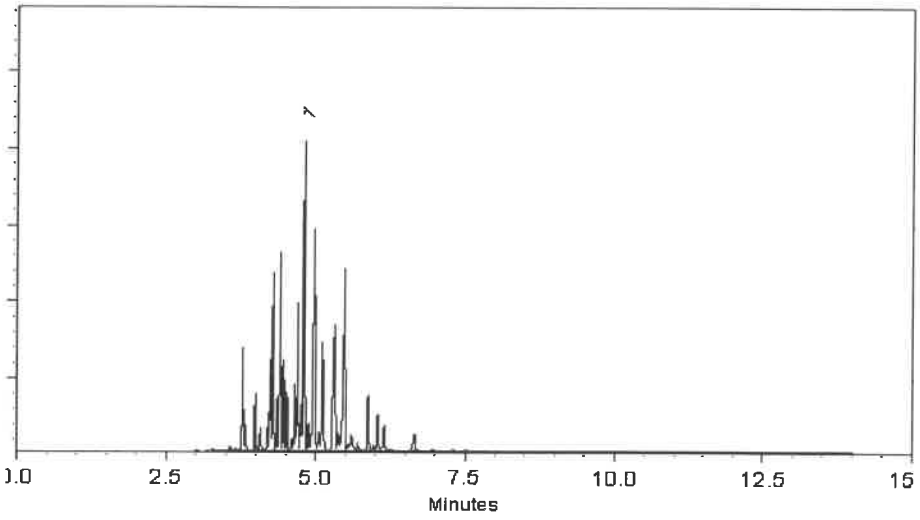
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
1µl



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

Michael Maye - Operations Tech I **Date Mixed:** 02-Oct-2024 **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 07-Oct-2024

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

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Aroclor® 1232 Standard

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

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

Expiration Date : March 31, 2031 **Storage:** 25°C nominal

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

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1232	11141-16-5	15665-01	----%	1,007.0 µg/mL	+/- 55.8810

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

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

P13878
↓
P13880

AJ
01/28/25

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

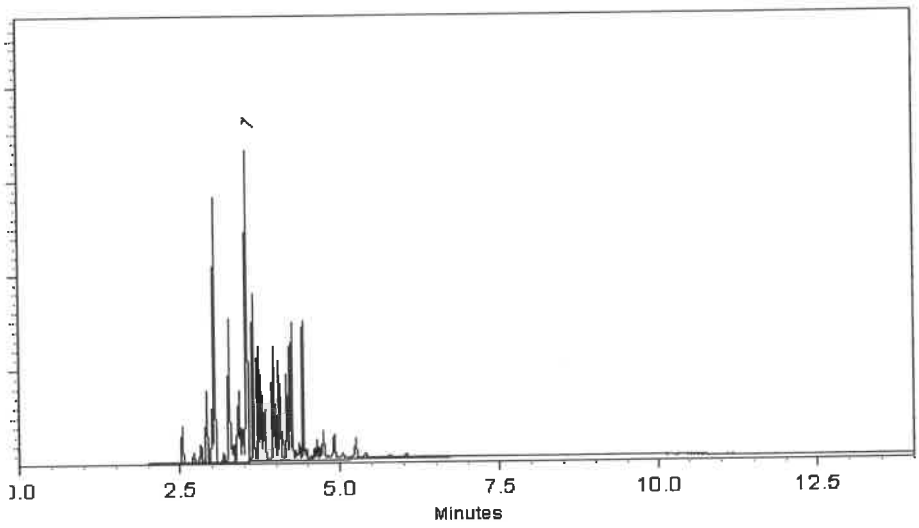
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Michael Maye - Operations Tech I

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

Brittany Federinko - Operations Tech I

Date Passed: 05-Dec-2024

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

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32409 **Lot No.:** A0220950

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, 2031 **Storage:** 25°C nominal

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

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1262	37324-23-5	10849100	----%	1,002.0 µg/mL	+/- 55.6035

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

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

P138852
↓
P138853

AJ
01/28/25

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

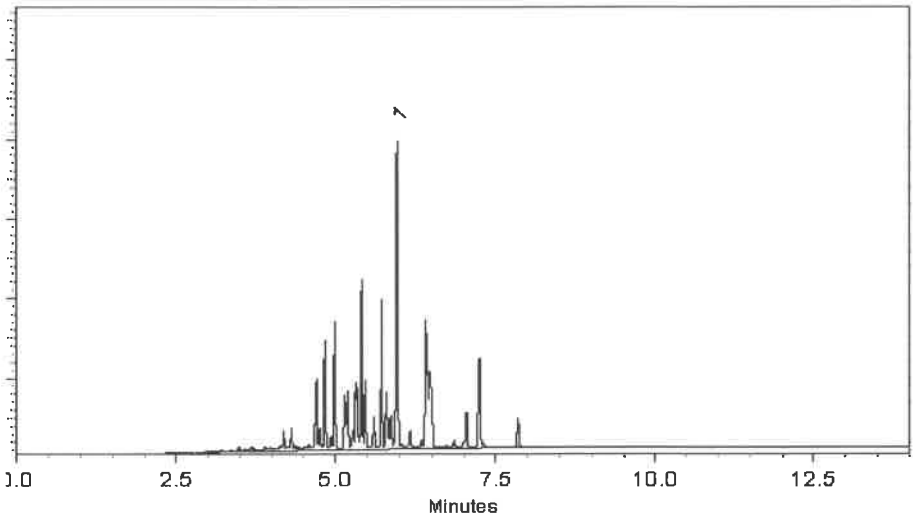
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



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

Tom Suckar - Mix Technician

Date Mixed: 09-Jan-2025 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

Date Passed: 14-Jan-2025

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

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

avantor™ | J.T.Baker®

W3147

W3147 update. 02/03/2025 JP

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

Certificate of Analysis

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

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

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

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production



SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q2032
COC Number 2047011

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CDM SMITH
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO.: 302781 LOCATION: SOUTH RIVER, NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINASMA@CDMSMITH.COM
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#:
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 732-590-4679

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 TCL VOC
2 TCL SVOC
3 METALS
4 PCB
5 PESTICIDES
6 HERBICIDES
7 DRO/GRO
8 FULL TCLP
9 RCRA CHARAL

PRESERVATIVES

COMMENTS

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

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	TP-11	SOIL		X	5/13/25	0830	6	X	X	X	X	X	X	X			E
2.	TP-29	SOIL		X	5/13/25	1010	6	X	X	X	X	X	X	X			E
3.	TP-29-99	SOIL		X	5/13/25	1010	6	X	X	X	X	X	X	X			E
4.	TP-24	SOIL		X	5/13/25	1130	18	X	X	X	X	X	X	X			E; MS/MSD
5.	TP-37	SOIL		X	5/13/25	1250	6	X	X	X	X	X	X	X			E
6.	TP-32	SOIL		X	5/13/25	1330	6	X	X	X	X	X	X	X			E
7.	COMP-1	SOIL	X		5/13/25	1405	4								X	X	E
8.	FB-05132025	Aqueous		X	5/13/25	1445	10	X	X	X	X	X	X	X			E,A,B
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5/13/25 1505	1. 1505 5-13-25
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY SAMPLER:	DATE/TIME: 1626 5-13-25	RECEIVED BY:
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments:

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

Copyright © 2024

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

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2032 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/13/2025 4:01:00 PM
Project Name : South River WM Replacem
Receive DateTime : 5/13/2025 4:20:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2032-01	TP-11	Solid	05/13/2025	08:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-02	TP-29	Solid	05/13/2025	10:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-03	TP-29-99	Solid	05/13/2025	10:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-04	TP-24	Solid	05/13/2025	11:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-05	Q2032-04MS	Solid	05/13/2025	11:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-06	Q2032-04MSD	Solid	05/13/2025	11:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-07	TP-37	Solid	05/13/2025	12:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-08	TP-32	Solid	05/13/2025	13:30					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2032 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/13/2025 4:01:00 PM
Project Name : South River WM Replacem
Receive DateTime : 5/13/2025 4:20:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-11	FB-05132025	Water	05/13/2025	14:45					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2032-12	TB	Water	05/13/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 5/14/25 0940

Received By : Sam
Date / Time : 5/14/24 9:40
Storage Area : VOA Refridgerator Room

RJH 4
RJH 6
RJH 2