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

Cover Page

Order ID : P4474

Project ID : 86 Davidson Road, Piscataway, NJ

Client : Yannuzzi Group, Inc.

Lab Sample Number	Client Sample Number
P4474-01	TS-2

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: 10/28/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4474**

	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: **PRIYANKA DAVE** **Date:** **10/28/2024**

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LAB CHRONICLE

OrderID:	P4474	**OrderDate:**	10/21/2024 3:19:00 PM
Client:	Yannuzzi Group, Inc.	**Project:**	86 Davidson Road, Piscataway, NJ
Contact:	Rafael Nunez	**Location:**	K61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4474-01	**TS-2**	**SOIL**			**10/18/24**			**10/21/24**
			PCB	8082A		10/22/24	10/22/24	
			Pesticide-TCL	8081B		10/22/24	10/23/24	
			TPH GC	8015D		10/22/24	10/22/24	

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Hit Summary Sheet
SW-846

SDG No.: P4474 **Order ID:** P4474

Client: Yannuzzi Group, Inc. **Project ID:** 86 Davidson Road, Piscataway, NJ

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
			Total Concentration:	**0.000**				

QC SUMMARY

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

SDG No.: P4474

Client: Yannuzzi Group, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL092494.D	PIBLK-PL092494.D	Decachlorobiphenyl	1	20	21.5	107		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	22.0	110		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.4	107		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.0	100		30 (77)	150 (126)
I.BLK-PL092551.D	PIBLK-PL092551.D	Decachlorobiphenyl	1	20	20.1	100		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.2	96		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.6	108		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.1	101		30 (77)	150 (126)
PB164311BL	PB164311BL	Decachlorobiphenyl	1	20	17.4	87		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	16.3	81		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	19.5	97		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	17.3	86		30 (10)	150 (159)
PB164311BS	PB164311BS	Decachlorobiphenyl	1	20	19.4	97		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	17.7	89		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	21.9	110		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	18.5	92		30 (10)	150 (159)
P4474-01	TS-2	Decachlorobiphenyl	1	20	9.49	47		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	12.2	61		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	10.9	54		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	13.8	69		30 (10)	150 (159)
I.BLK-PL092566.D	PIBLK-PL092566.D	Decachlorobiphenyl	1	20	20.5	103		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.5	98		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.6	113		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.5	102		30 (77)	150 (126)
I.BLK-PL092589.D	PIBLK-PL092589.D	Decachlorobiphenyl	1	20	21.0	105		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.0	100		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	23.3	116		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.0	105		30 (77)	150 (126)
P4472-01MS	BP-F-28MS	Decachlorobiphenyl	1	20	18.8	94		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	13.4	67		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	16.6	83		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	14.5	72		30 (10)	150 (159)
P4472-01MSD	BP-F-28MSD	Decachlorobiphenyl	1	20	18.1	91		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	13.3	67		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	17.8	89		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	14.6	73		30 (10)	150 (159)
I.BLK-PL092612.D	PIBLK-PL092612.D	Decachlorobiphenyl	1	20	22.3	111		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.4	107		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	23.4	117		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	22.1	111		30 (77)	150 (126)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4474

Client: Yannuzzi Group, Inc.

Analytical Method: 8081B **DataFile :** PL092595.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**BP-F-28MS**											
P4472-01MS	alpha-BHC	18.56	0	11.2	ug/kg	60				30 (60)	150 (144)	
	beta-BHC	18.56	0	12.4	ug/kg	67				30 (54)	150 (143)	
	delta-BHC	18.56	0	12.0	ug/kg	65				30 (47)	150 (144)	
	gamma-BHC (Lindane)	18.56	0	12.3	ug/kg	66				30 (61)	150 (140)	
	Heptachlor	18.56	0	12.8	ug/kg	69				30 (63)	150 (135)	
	Aldrin	18.56	0	12.5	ug/kg	67				30 (49)	150 (139)	
	Heptachlor epoxide	18.56	0	13.6	ug/kg	73				30 (32)	150 (180)	
	Endosulfan I	18.56	0	13.7	ug/kg	74				30 (56)	150 (142)	
	Dieldrin	18.56	0	13.6	ug/kg	73				30 (47)	150 (161)	
	4,4'-DDE	18.56	0	13.1	ug/kg	71				30 (55)	150 (136)	
	Endrin	18.56	0	15.1	ug/kg	81				30 (57)	150 (139)	
	Endosulfan II	18.56	0	15.0	ug/kg	81				30 (40)	150 (163)	
	4,4'-DDD	18.56	0	14.1	ug/kg	76				30 (37)	150 (192)	
	Endosulfan sulfate	18.56	0	14.4	ug/kg	78				30 (62)	150 (139)	
	4,4'-DDT	18.56	0	14.7	ug/kg	79				30 (51)	150 (146)	
	Methoxychlor	18.56	0	16.6	ug/kg	89				30 (54)	150 (136)	
	Endrin ketone	18.56	0	14.6	ug/kg	79				30 (60)	150 (129)	
	Endrin aldehyde	18.56	0	14.0	ug/kg	75				30 (59)	150 (132)	
	alpha-Chlordane	18.56	0	14.1	ug/kg	76				30 (30)	150 (192)	
	gamma-Chlordane	18.56	0	14.5	ug/kg	78				30 (44)	150 (175)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4474

Client: Yannuzzi Group, Inc.

Analytical Method: 8081B **DataFile :** PL092596.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:	**BP-F-28MSD**											
P4472-01MSD	alpha-BHC	18.54	0	11.5	ug/kg	62		3		30 (60)	150 (144)	30 (20)
	beta-BHC	18.54	0	12.3	ug/kg	66		2		30 (54)	150 (143)	30 (20)
	delta-BHC	18.54	0	11.5	ug/kg	62		5		30 (47)	150 (144)	30 (20)
	gamma-BHC (Lindane)	18.54	0	12.3	ug/kg	66		0		30 (61)	150 (140)	30 (20)
	Heptachlor	18.54	0	12.9	ug/kg	70		1		30 (63)	150 (135)	30 (20)
	Aldrin	18.54	0	12.5	ug/kg	67		0		30 (49)	150 (139)	30 (20)
	Heptachlor epoxide	18.54	0	14.1	ug/kg	76		4		30 (32)	150 (180)	30 (20)
	Endosulfan I	18.54	0	14.8	ug/kg	80		8		30 (56)	150 (142)	30 (20)
	Dieldrin	18.54	0	13.8	ug/kg	74		1		30 (47)	150 (161)	30 (20)
	4,4'-DDE	18.54	0	13.1	ug/kg	71		0		30 (55)	150 (136)	30 (20)
	Endrin	18.54	0	15.0	ug/kg	81		0		30 (57)	150 (139)	30 (20)
	Endosulfan II	18.54	0	15.5	ug/kg	84		4		30 (40)	150 (163)	30 (20)
	4,4'-DDD	18.54	0	15.0	ug/kg	81		6		30 (37)	150 (192)	30 (20)
	Endosulfan sulfate	18.54	0	15.1	ug/kg	81		4		30 (62)	150 (139)	30 (20)
	4,4'-DDT	18.54	0	15.6	ug/kg	84		6		30 (51)	150 (146)	30 (20)
	Methoxychlor	18.54	0	17.1	ug/kg	92		3		30 (54)	150 (136)	30 (20)
	Endrin ketone	18.54	0	15.8	ug/kg	85		7		30 (60)	150 (129)	30 (20)
	Endrin aldehyde	18.54	0	14.9	ug/kg	80		6		30 (59)	150 (132)	30 (20)
	alpha-Chlordane	18.54	0	14.4	ug/kg	78		3		30 (30)	150 (192)	30 (20)
	gamma-Chlordane	18.54	0	14.9	ug/kg	80		3		30 (44)	150 (175)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4474

Client: Yannuzzi Group, Inc.

Analytical Method: 8081B **Datafile :** PL092555.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164311BS	alpha-BHC	16.66	16.7	ug/kg	100				40 (84)	140 (123)	
	beta-BHC	16.66	17.1	ug/kg	103				40 (82)	140 (123)	
	delta-BHC	16.66	16.8	ug/kg	101				40 (83)	140 (126)	
	gamma-BHC (Lindane)	16.66	16.9	ug/kg	101				40 (83)	140 (125)	
	Heptachlor	16.66	17.2	ug/kg	103				40 (83)	140 (122)	
	Aldrin	16.66	17.2	ug/kg	103				40 (82)	140 (124)	
	Heptachlor epoxide	16.66	17.9	ug/kg	107				40 (83)	140 (120)	
	Endosulfan I	16.66	18.1	ug/kg	109				40 (81)	140 (124)	
	Dieldrin	16.66	17.3	ug/kg	104				40 (85)	140 (121)	
	4,4'-DDE	16.66	17.3	ug/kg	104				40 (81)	140 (123)	
	Endrin	16.66	16.5	ug/kg	99				40 (76)	140 (130)	
	Endosulfan II	16.66	17.1	ug/kg	103				40 (80)	140 (125)	
	4,4'-DDD	16.66	17.3	ug/kg	104				40 (80)	140 (131)	
	Endosulfan sulfate	16.66	17.1	ug/kg	103				40 (81)	140 (122)	
	4,4'-DDT	16.66	15.9	ug/kg	95				40 (70)	140 (129)	
	Methoxychlor	16.66	17.4	ug/kg	104				40 (60)	140 (119)	
	Endrin ketone	16.66	18.3	ug/kg	110				40 (77)	140 (132)	
	Endrin aldehyde	16.66	17.6	ug/kg	106				40 (79)	140 (124)	
	alpha-Chlordane	16.66	17.6	ug/kg	106				40 (84)	140 (120)	
	gamma-Chlordane	16.66	17.2	ug/kg	103				40 (83)	140 (122)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164311BL

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Lab Sample ID: PB164311BL Lab File ID: PL092554.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 10/22/2024

Date Analyzed (1): 10/23/2024 Date Analyzed (2): 10/23/2024

Time Analyzed (1): 09:52 Time Analyzed (2): 09:52

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column (1): ZB-MR2 ID: 0.32 (mm) GC Column (2): ZB-MR1 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
PB164311BS	PB164311BS	PL092555.D	10/23/2024	10/23/2024
TS-2	P4474-01	PL092557.D	10/23/2024	10/23/2024
BP-F-28MS	P4472-01MS	PL092595.D	10/24/2024	10/24/2024
BP-F-28MSD	P4472-01MSD	PL092596.D	10/24/2024	10/24/2024

COMMENTS:

SAMPLE DATA

Raw Data: **PL092557.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-2	SDG No.:	P4474
Lab Sample ID:	P4474-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	48.2 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092557.D	1	10/22/24 10:10	10/23/24 14:01	PB164311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.37	U	0.37	3.50	ug/kg
319-85-7	beta-BHC	1.00	U	1.00	3.50	ug/kg
319-86-8	delta-BHC	0.97	U	0.97	3.50	ug/kg
58-89-9	gamma-BHC (Lindane)	0.39	U	0.39	3.50	ug/kg
76-44-8	Heptachlor	0.35	U	0.35	3.50	ug/kg
309-00-2	Aldrin	0.29	U	0.29	3.50	ug/kg
1024-57-3	Heptachlor epoxide	0.48	U	0.48	3.50	ug/kg
959-98-8	Endosulfan I	0.35	U	0.35	3.50	ug/kg
60-57-1	Dieldrin	0.31	U	0.31	3.50	ug/kg
72-55-9	4,4-DDE	0.27	U	0.27	3.50	ug/kg
72-20-8	Endrin	0.33	U	0.33	3.50	ug/kg
33213-65-9	Endosulfan II	0.62	U	0.62	3.50	ug/kg
72-54-8	4,4-DDD	0.39	U	0.39	3.50	ug/kg
1031-07-8	Endosulfan Sulfate	0.27	U	0.27	3.50	ug/kg
50-29-3	4,4-DDT	0.35	U	0.35	3.50	ug/kg
72-43-5	Methoxychlor	0.79	U	0.79	3.50	ug/kg
53494-70-5	Endrin ketone	0.46	U	0.46	3.50	ug/kg
7421-93-4	Endrin aldehyde	0.81	U	0.81	3.50	ug/kg
5103-71-9	alpha-Chlordane	0.35	U	0.35	3.50	ug/kg
5103-74-2	gamma-Chlordane	0.39	U	0.39	3.50	ug/kg
8001-35-2	Toxaphene	10.8	U	10.8	68.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.9		30 (10) - 150 (148)	54%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.8		30 (10) - 150 (159)	69%	SPK: 20

Raw Data: **PL092557.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-2	SDG No.:	P4474
Lab Sample ID:	P4474-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	48.2 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092557.D	1	10/22/24 10:10	10/23/24 14:01	PB164311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **PL092557.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102324\
Data File : PL092557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 14:01
Operator : AR\AJ
Sample : P4474-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TS-2

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 02:50:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.540	2.778	32776283	38273359	12.167m	13.780m
28)	SA Decachlor...	9.056	7.917	19276300	28657885	9.490	10.876
	Target Compounds						

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

Sample Results: **PL092557.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102324\
Data File : PL092557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 14:01
Operator : AR\AJ
Sample : P4474-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

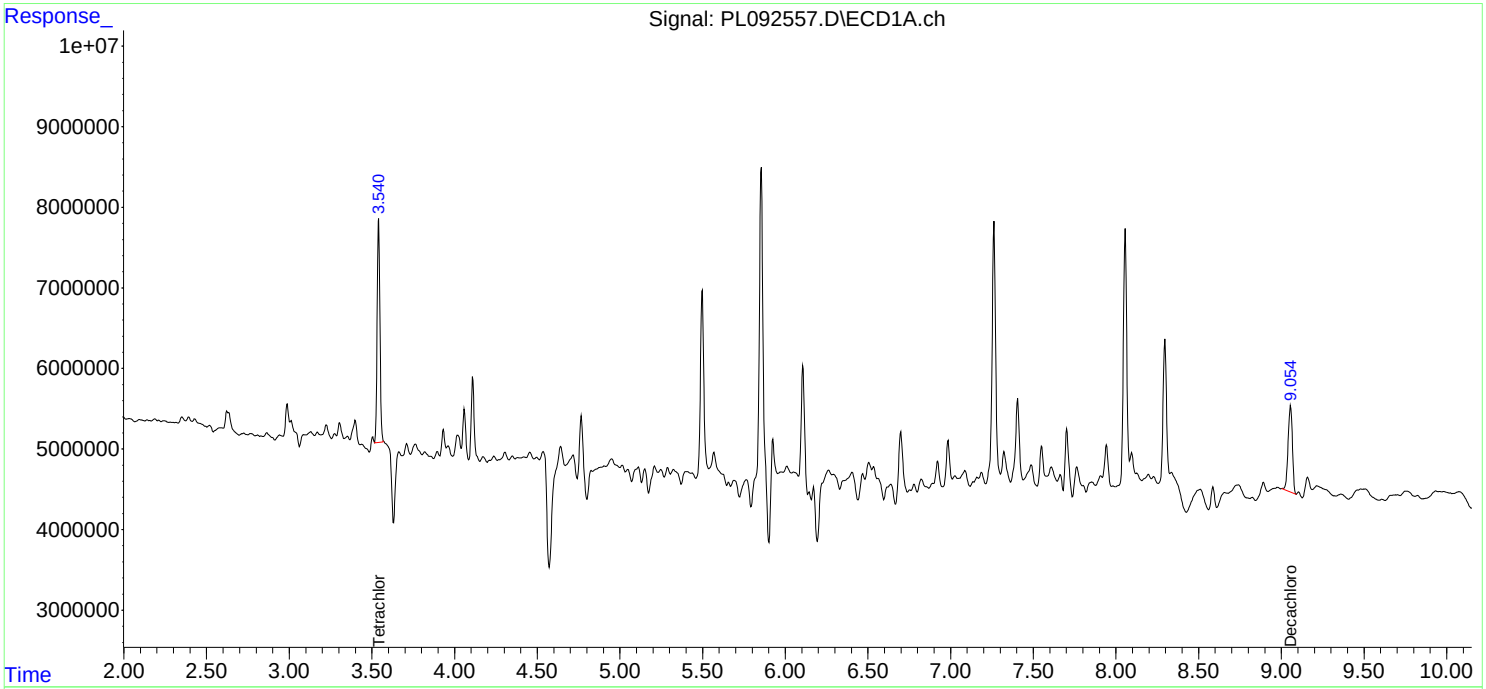
Instrument :
ECD_L
ClientSampleId :
TS-2

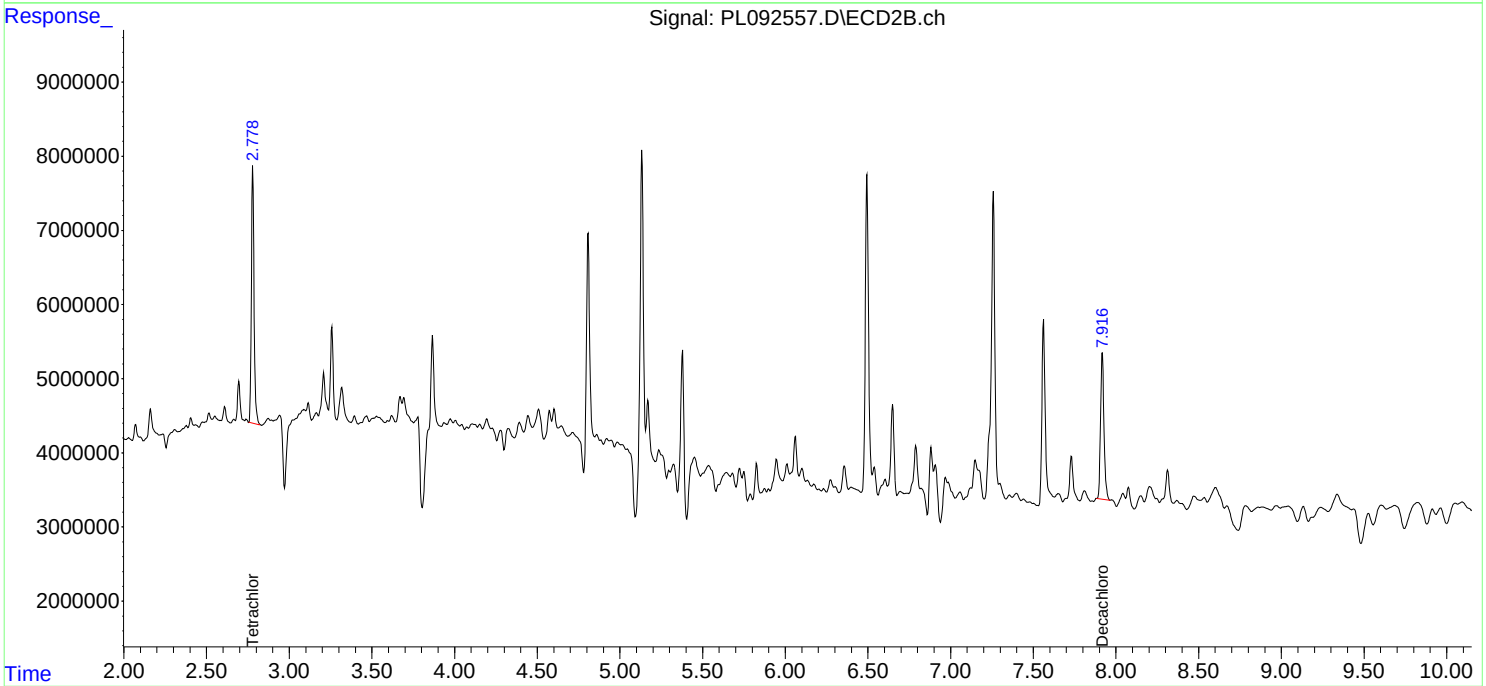
Manual Integrations APPROVED

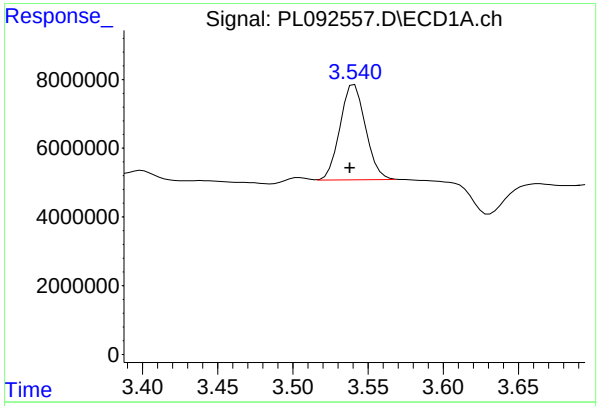
Reviewed By :Abdul Mirza 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 02:50:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm







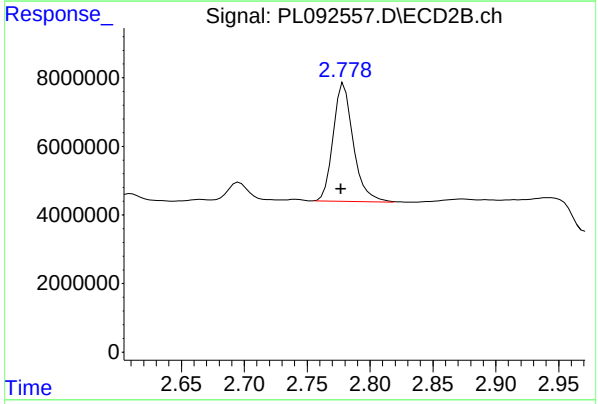
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.002 mi
Response: 32776283
Conc: 12.17 ng/m

Instrument :
ECD_L
ClientSampleId :
TS-2

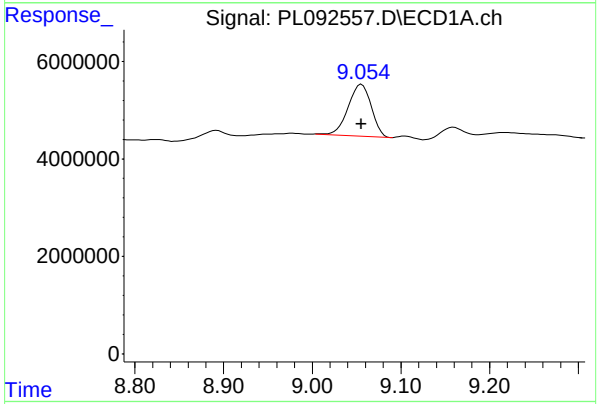
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024



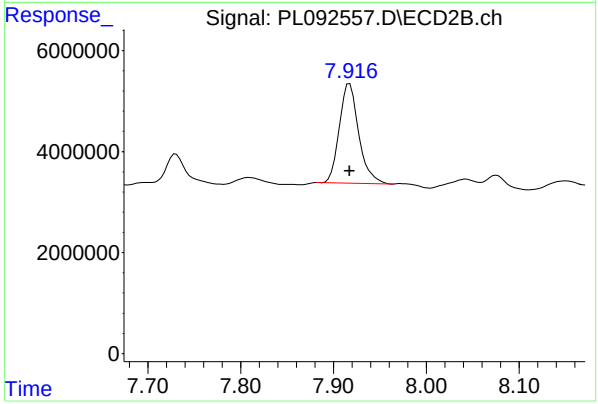
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.001 min
Response: 38273359
Conc: 13.78 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 19276300
Conc: 9.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.000 min
Response: 28657885
Conc: 10.88 ng/ml

CALIBRATION SUMMARY

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024

Calibration Times: 13:00 13:53

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

LAB FILE ID: RT 100 = PL092497.D RT 075 = PL092498.D

RT 050 = PL092499.D RT 025 = PL092500.D RT 005 = PL092501.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	3.99	3.99	3.99	3.99	3.99	3.89	4.09
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.52	4.52	4.52	4.52	4.52	4.42	4.62
Decachlorobiphenyl	9.06	9.06	9.06	9.05	9.06	9.06	8.96	9.16
delta-BHC	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Dieldrin	6.34	6.34	6.35	6.34	6.35	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.57	6.58	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.92	6.92	6.92	6.93	6.92	6.82	7.02
Endrin ketone	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024

Calibration Times: 13:00 13:53

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

LAB FILE ID: RT 100 = PL092497.D RT 075 = PL092498.D

RT 050 = PL092499.D RT 025 = PL092500.D RT 005 = PL092501.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
4,4'-DDE	5.23	5.24	5.23	5.23	5.23	5.23	5.13	5.33
4,4'-DDT	6.04	6.04	6.04	6.04	6.04	6.04	5.94	6.14
Aldrin	4.23	4.23	4.23	4.23	4.23	4.23	4.13	4.33
alpha-BHC	3.28	3.28	3.28	3.28	3.28	3.28	3.18	3.38
alpha-Chlordane	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
beta-BHC	3.91	3.91	3.91	3.91	3.91	3.91	3.81	4.01
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
delta-BHC	4.14	4.14	4.14	4.14	4.14	4.14	4.04	4.24
Dieldrin	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Endosulfan I	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Endosulfan II	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Endosulfan sulfate	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Endrin aldehyde	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endrin ketone	6.84	6.84	6.84	6.84	6.85	6.84	6.74	6.94
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
gamma-Chlordane	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Heptachlor	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Heptachlor epoxide	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Methoxychlor	6.62	6.62	6.62	6.62	6.62	6.62	6.52	6.72
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024

Calibration Times: 13:00 13:53

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

LAB FILE ID: **CF 100 =** PL092497.D **CF 075 =** PL092498.D

CF 050 = PL092499.D **CF 025 =** PL092500.D **CF 005 =** PL092501.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2246400000	2258620000	2360420000	2437540000	2776830000	2415960000	9
4,4'-DDE	2768040000	2811970000	2906870000	3034090000	3308610000	2965920000	7
4,4'-DDT	2351780000	2354700000	2458670000	2510620000	2654500000	2466050000	5
Aldrin	3357570000	3399600000	3527390000	3705500000	4403230000	3678660000	12
alpha-BHC	3880960000	3900500000	3985440000	4129150000	4710150000	4121240000	8
alpha-Chlordane	2934020000	3004180000	3127580000	3292340000	3923880000	3256400000	12
beta-BHC	1472550000	1485480000	1520550000	1582420000	1700650000	1552330000	6
Decachlorobiphenyl	1893630000	1911900000	1968460000	2071700000	2310050000	2031150000	8
delta-BHC	3526460000	3537730000	3645230000	3889220000	4211510000	3762030000	8
Dieldrin	2994540000	3035510000	3143820000	3281370000	3804200000	3251890000	10
Endosulfan I	2758780000	2810500000	2913200000	3062020000	3552420000	3019390000	11
Endosulfan II	2571530000	2607370000	2748580000	2960640000	3260790000	2829780000	10
Endosulfan sulfate	2304480000	2335740000	2443850000	2546180000	3002960000	2526640000	11
Endrin	2580620000	2625010000	2734790000	2924540000	3253750000	2823740000	10
Endrin aldehyde	1982870000	2003830000	2098670000	2187760000	2407240000	2136080000	8
Endrin ketone	2572770000	2595940000	2703400000	2798310000	3078670000	2749820000	7
gamma-BHC (Lindane)	3651940000	3672710000	3751070000	3836830000	4321280000	3846770000	7
gamma-Chlordane	2975150000	3046540000	3165110000	3319740000	3978350000	3296980000	12
Heptachlor	3266860000	3307900000	3429100000	3569740000	4155000000	3545720000	10
Heptachlor epoxide	3004670000	3040630000	3248410000	3443240000	3866730000	3320740000	11
Methoxychlor	1148350000	1158380000	1214430000	1185540000	1181850000	1177710000	2
Tetrachloro-m-xylene	2537390000	2552890000	2586960000	2724730000	3067200000	2693840000	8

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: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024

Calibration Times: 13:00 13:53

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

LAB FILE ID: **CF 100 =** PL092497.D **CF 075 =** PL092498.D

CF 050 = PL092499.D **CF 025 =** PL092500.D **CF 005 =** PL092501.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2693820000	2711750000	2763570000	2774490000	2947510000	2778230000	4
4,4'-DDE	3365970000	3350290000	3424050000	3426470000	3819900000	3477340000	6
4,4'-DDT	2876310000	2862890000	2900910000	2875360000	3169270000	2936950000	4
Aldrin	3902880000	3867350000	3920990000	3908110000	4278130000	3975490000	4
alpha-BHC	4282080000	4249760000	4259610000	4206610000	4577410000	4315100000	3
alpha-Chlordane	3453960000	3467250000	3481480000	3550810000	3816750000	3554050000	4
beta-BHC	1637290000	1631380000	1679350000	1708600000	2073140000	1745950000	11
Decachlorobiphenyl	2533020000	2508980000	2598990000	2640650000	2893220000	2634970000	6
delta-BHC	4115860000	4070010000	4108760000	4122660000	4613930000	4206240000	5
Dieldrin	3524630000	3511910000	3576190000	3612640000	4046390000	3654350000	6
Endosulfan I	3116470000	3138120000	3163890000	3197670000	3298980000	3183030000	2
Endosulfan II	2909510000	2958770000	3049780000	3070330000	3642720000	3126220000	9
Endosulfan sulfate	2760410000	2764670000	2816810000	2859720000	3579720000	2956270000	12
Endrin	3096230000	3113840000	3236910000	3364340000	3563230000	3274910000	6
Endrin aldehyde	2316790000	2330610000	2385350000	2437260000	2812750000	2456550000	8
Endrin ketone	3125230000	3132330000	3203190000	3221610000	3378350000	3212140000	3
gamma-BHC (Lindane)	4098710000	4055410000	4107080000	4122620000	4206290000	4118020000	1
gamma-Chlordane	3544140000	3552270000	3600750000	3641630000	4057250000	3679210000	6
Heptachlor	3908940000	3891170000	3959270000	3983440000	4335990000	4015760000	5
Heptachlor epoxide	3409250000	3412120000	3473550000	3502030000	3820750000	3523540000	5
Methoxychlor	1383990000	1380180000	1398790000	1408970000	1517400000	1417870000	4
Tetrachloro-m-xylene	2710240000	2704020000	2735270000	2751220000	2986460000	2777440000	4

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Instrument ID: ECD_L **Date(s) Analyzed:** 10/21/2024 10/21/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	26646900
		2	6.44	6.34	6.54	15596100
		3	7.06	6.96	7.16	86692500
		4	7.15	7.05	7.25	69480900
		5	7.94	7.84	8.04	48743400

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Instrument ID: ECD_L **Date(s) Analyzed:** 10/21/2024 10/21/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.01	4.91	5.11	24468000
		2	5.33	5.23	5.43	24010200
		3	6.61	6.51	6.71	70676500
		4	6.73	6.63	6.83	82521800
		5	7.05	6.95	7.15	83166000

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:00
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:48:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.539	2.777	253.7E6	271.0E6	99.033	99.540
28)	SA	Decachlor...	9.056	7.917	189.4E6	253.3E6	98.062	98.715
		Target Compounds						
2)	A	alpha-BHC	3.995	3.280	388.1E6	428.2E6	98.672	100.263
3)	MA	gamma-BHC...	4.327	3.610	365.2E6	409.9E6	98.661	99.898
4)	MA	Heptachlor	4.916	3.949	326.7E6	390.9E6	97.577	99.360
5)	MB	Aldrin	5.257	4.229	335.8E6	390.3E6	97.534	99.769
6)	B	beta-BHC	4.525	3.910	147.3E6	163.7E6	98.397	98.732
7)	B	delta-BHC	4.772	4.139	352.6E6	411.6E6	98.344	100.086
8)	B	Heptachlo...	5.684	4.731	300.5E6	340.9E6	96.102	99.066
9)	A	Endosulfan I	6.069	5.101	275.9E6	311.6E6	97.277	99.245
10)	B	gamma-Chl...	5.940	4.981	297.5E6	354.4E6	96.906	99.208
11)	B	alpha-Chl...	6.019	5.045	293.4E6	345.4E6	96.807	99.603
12)	B	4,4'-DDE	6.192	5.234	276.8E6	336.6E6	97.554	99.145
13)	MA	Dieldrin	6.344	5.366	299.5E6	352.5E6	97.568	99.274
14)	MA	Endrin	6.574	5.641	258.1E6	309.6E6	97.100	97.779
15)	B	Endosulfa...	6.794	5.936	257.2E6	291.0E6	96.672	97.646
16)	A	4,4'-DDD	6.710	5.789	224.6E6	269.4E6	97.525	98.722
17)	MA	4,4'-DDT	7.024	6.040	235.2E6	287.6E6	97.778	99.574
18)	B	Endrin al...	6.924	6.115	198.3E6	231.7E6	97.163	98.542
19)	B	Endosulfa...	7.159	6.339	230.4E6	276.0E6	97.065	98.989
20)	A	Methoxychlor	7.500	6.615	114.8E6	138.4E6	97.204	99.468
21)	B	Endrin ke...	7.644	6.844	257.3E6	312.5E6	97.524	98.768
22)		Mirex	8.118	7.025	190.1E6	250.1E6	97.233	98.622

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

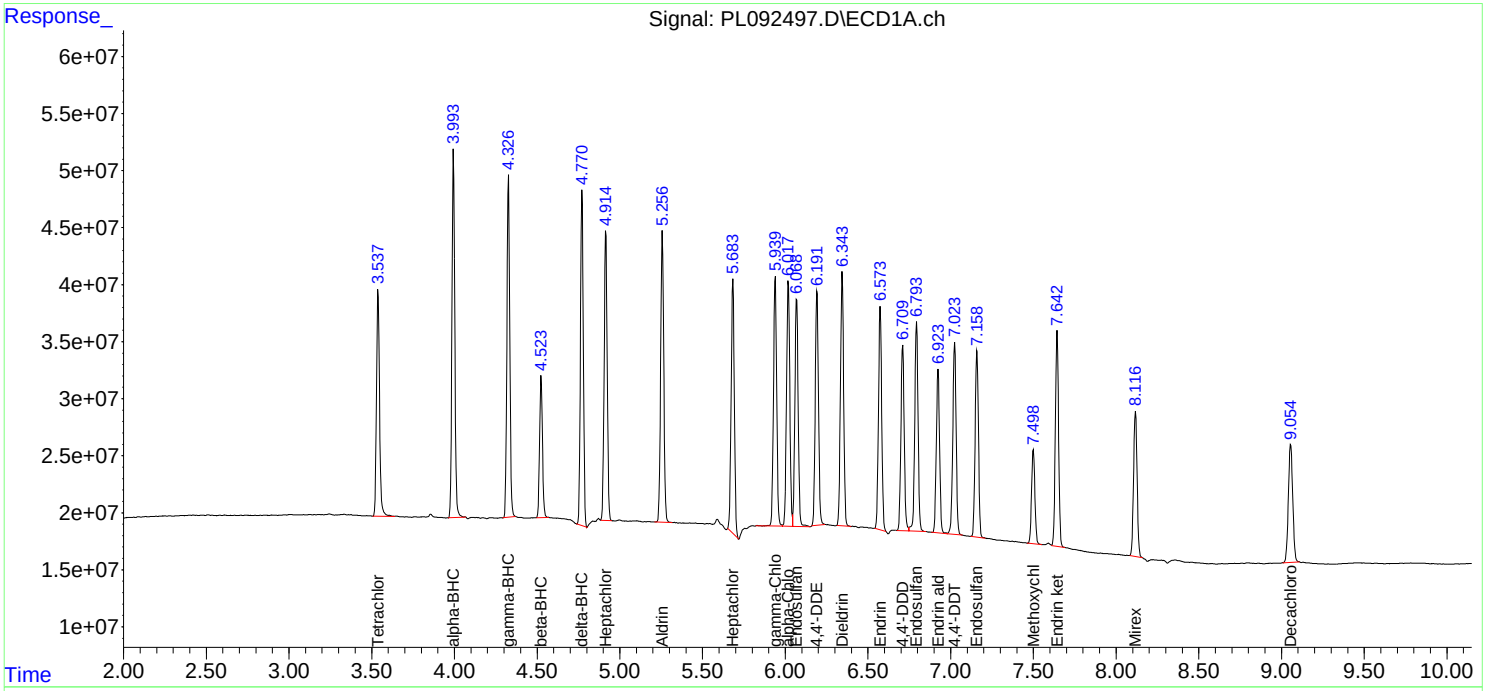
ICAL Form

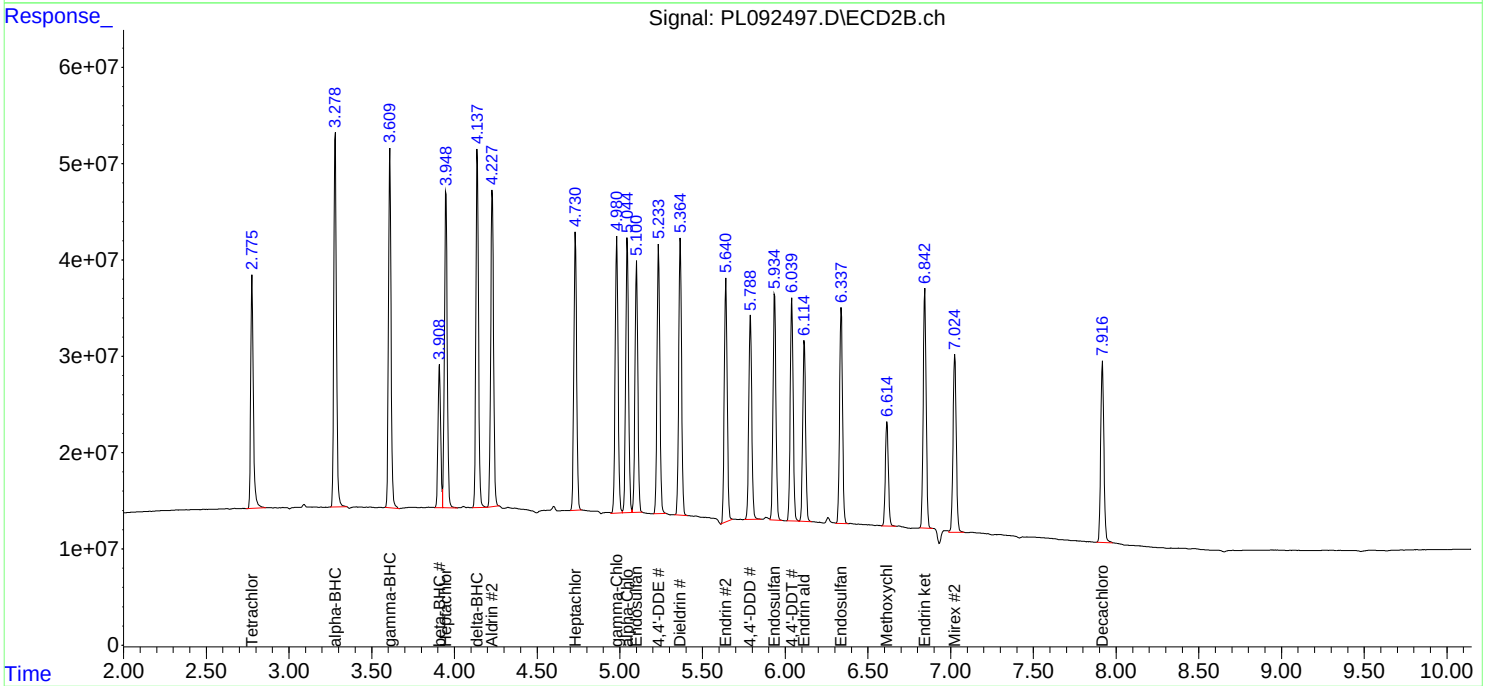
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:00
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:48:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:13
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:50:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.538	2.777	191.5E6	202.8E6	74.819	74.655
28)	SA	Decachlor...	9.056	7.917	143.4E6	188.2E6	74.503	73.881
		Target Compounds						
2)	A	alpha-BHC	3.994	3.280	292.5E6	318.7E6	74.583	74.753
3)	MA	gamma-BHC...	4.327	3.610	275.5E6	304.2E6	74.610	74.419
4)	MA	Heptachlor	4.915	3.949	248.1E6	291.8E6	74.399	74.452
5)	MB	Aldrin	5.257	4.229	255.0E6	290.1E6	74.375	74.428
6)	B	beta-BHC	4.524	3.910	111.4E6	122.4E6	74.629	74.183
7)	B	delta-BHC	4.772	4.139	265.3E6	305.3E6	74.326	74.484
8)	B	Heptachlo...	5.683	4.732	228.0E6	255.9E6	73.613	74.573
9)	A	Endosulfan I	6.069	5.101	210.8E6	235.4E6	74.549	74.967
10)	B	gamma-Chl...	5.940	4.982	228.5E6	266.4E6	74.615	74.717
11)	B	alpha-Chl...	6.019	5.045	225.3E6	260.0E6	74.560	74.993
12)	B	4,4'-DDE	6.192	5.235	210.9E6	251.3E6	74.550	74.338
13)	MA	Dieldrin	6.344	5.366	227.7E6	263.4E6	74.449	74.456
14)	MA	Endrin	6.575	5.641	196.9E6	233.5E6	74.382	74.163
15)	B	Endosulfa...	6.794	5.936	195.6E6	221.9E6	74.003	74.649
16)	A	4,4'-DDD	6.710	5.789	169.4E6	203.4E6	74.021	74.689
17)	MA	4,4'-DDT	7.024	6.040	176.6E6	214.7E6	73.942	74.554
18)	B	Endrin al...	6.924	6.116	150.3E6	174.8E6	74.090	74.564
19)	B	Endosulfa...	7.159	6.339	175.2E6	207.4E6	74.186	74.569
20)	A	Methoxychlor	7.500	6.616	86878843	103.5E6	74.020	74.596
21)	B	Endrin ke...	7.644	6.844	194.7E6	234.9E6	74.197	74.495
22)		Mirex	8.117	7.025	144.8E6	189.7E6	74.387	74.862

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

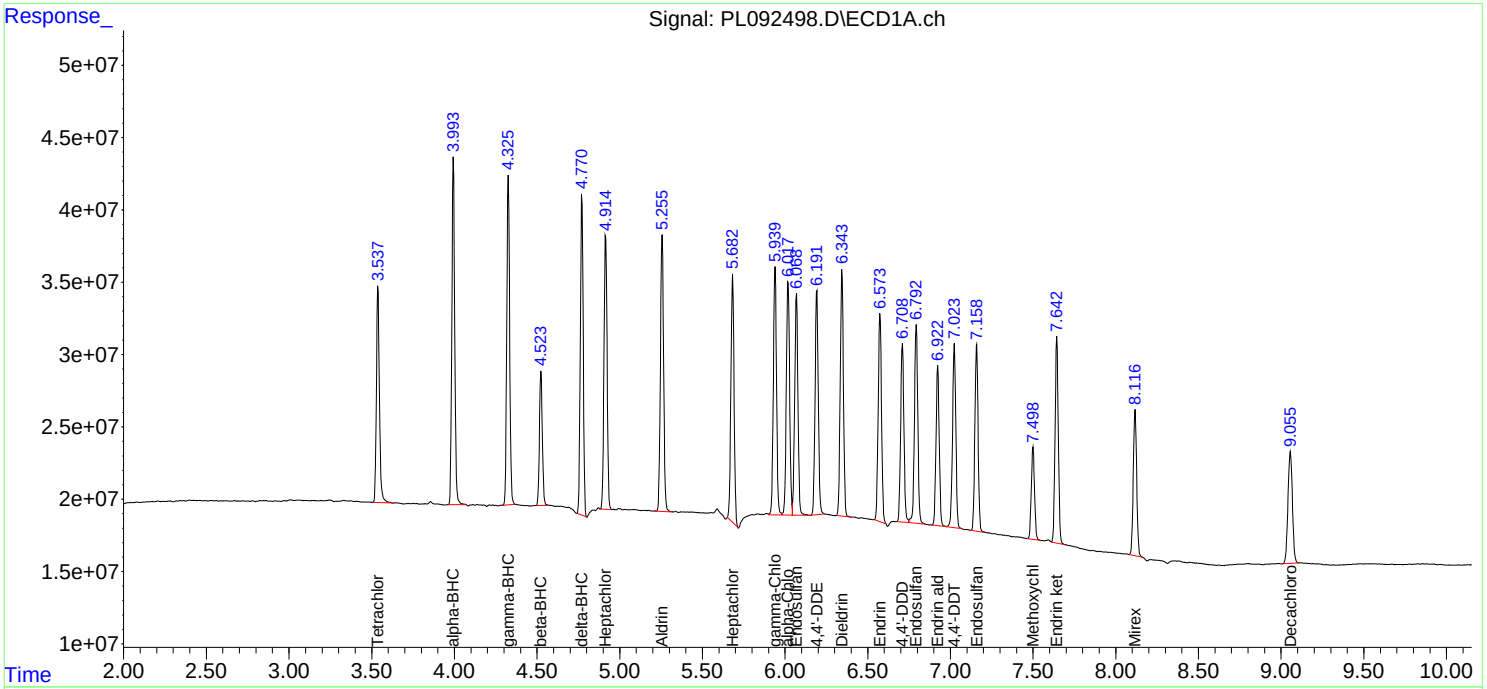
ICAL Form

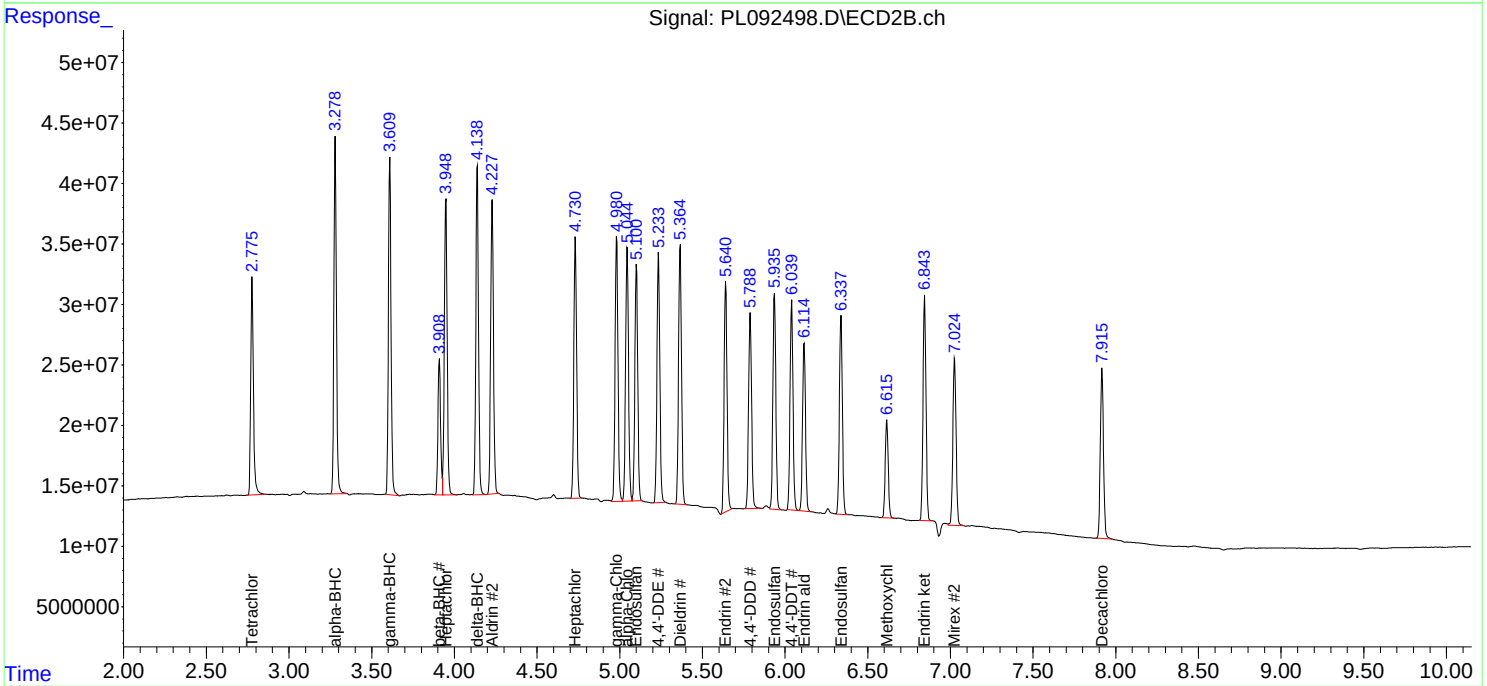
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:13
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:50:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:26
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:44:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.538	2.777	129.3E6	136.8E6	50.000	50.000
28)	SA	Decachlor...	9.055	7.917	98423153	129.9E6	50.000	50.000
		Target Compounds						
2)	A	alpha-BHC	3.994	3.280	199.3E6	213.0E6	50.000	50.000
3)	MA	gamma-BHC...	4.327	3.610	187.6E6	205.4E6	50.000	50.000
4)	MA	Heptachlor	4.915	3.949	171.5E6	198.0E6	50.000	50.000
5)	MB	Aldrin	5.257	4.229	176.4E6	196.0E6	50.000	50.000
6)	B	beta-BHC	4.524	3.910	76027327	83967530	50.000	50.000
7)	B	delta-BHC	4.771	4.138	182.3E6	205.4E6	50.000	50.000
8)	B	Heptachlo...	5.683	4.731	162.4E6	173.7E6	50.000	50.000
9)	A	Endosulfan I	6.069	5.101	145.7E6	158.2E6	50.000	50.000
10)	B	gamma-Chl...	5.939	4.981	158.3E6	180.0E6	50.000	50.000
11)	B	alpha-Chl...	6.018	5.045	156.4E6	174.1E6	50.000	50.000
12)	B	4,4'-DDE	6.192	5.234	145.3E6	171.2E6	50.000	50.000
13)	MA	Dieldrin	6.345	5.366	157.2E6	178.8E6	50.000	50.000
14)	MA	Endrin	6.574	5.641	136.7E6	161.8E6	50.000	50.000
15)	B	Endosulfa...	6.794	5.936	137.4E6	152.5E6	50.000	50.000
16)	A	4,4'-DDD	6.710	5.789	118.0E6	138.2E6	50.000	50.000
17)	MA	4,4'-DDT	7.024	6.040	122.9E6	145.0E6	50.000	50.000
18)	B	Endrin al...	6.924	6.116	104.9E6	119.3E6	50.000	50.000
19)	B	Endosulfa...	7.159	6.338	122.2E6	140.8E6	50.000	50.000
20)	A	Methoxychlor	7.500	6.615	60721357	69939679	50.000	50.000
21)	B	Endrin ke...	7.644	6.844	135.2E6	160.2E6	50.000	50.000
22)		Mirex	8.117	7.025	100.4E6	128.6E6	50.000	50.000

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

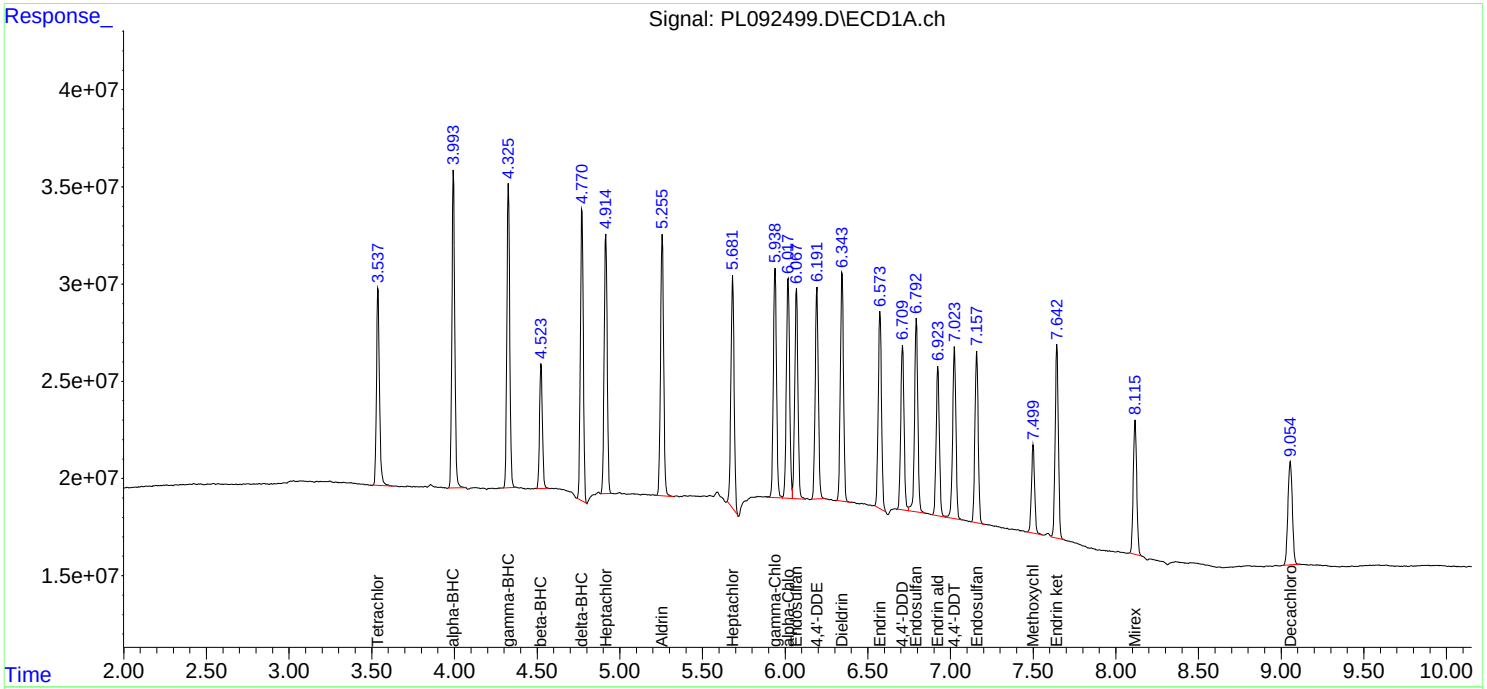
ICAL Form

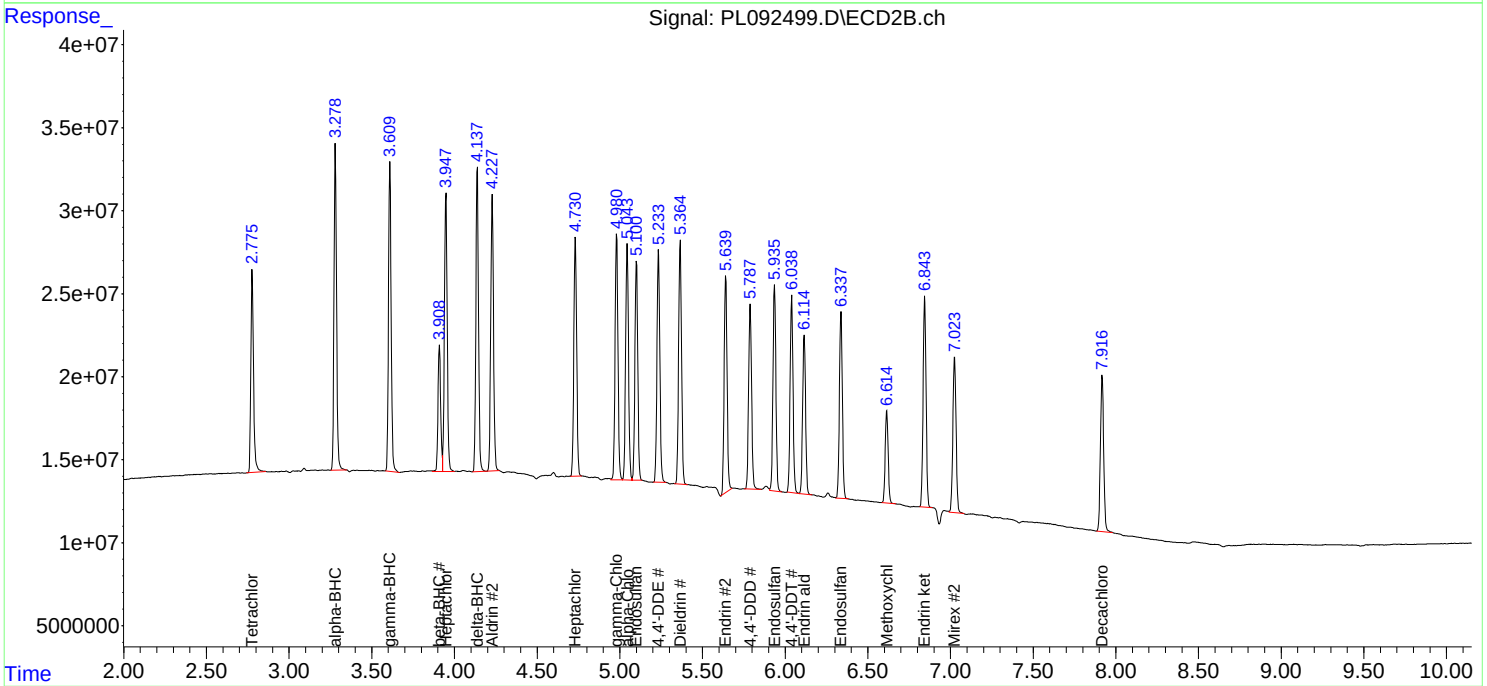
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:26
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:44:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092500.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:40
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:52:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.538	2.777	68118335	68780524	26.194	25.239
28)	SA	Decachlor...	9.054	7.918	51792555	66016291	26.406	25.683
		Target Compounds						
2)	A	alpha-BHC	3.994	3.279	103.2E6	105.2E6	25.976	24.748
3)	MA	gamma-BHC...	4.327	3.610	95920780	103.1E6	25.729	25.163
4)	MA	Heptachlor	4.915	3.949	89243509	99586114	26.299	25.303
5)	MB	Aldrin	5.257	4.229	92637464	97702837	26.487	25.053
6)	B	beta-BHC	4.524	3.909	39560577	42714991	26.108	25.668
7)	B	delta-BHC	4.772	4.138	97230519	103.1E6	26.641	25.112
8)	B	Heptachlo...	5.681	4.731	86081083	87550832	27.012m	25.383
9)	A	Endosulfan I	6.069	5.101	76550593	79941848	26.524	25.346
10)	B	gamma-Chl...	5.939	4.981	82993598	91040758	26.544	25.397
11)	B	alpha-Chl...	6.019	5.045	82308591	88770222	26.641	25.447
12)	B	4,4'-DDE	6.192	5.234	75852177	85661790	26.335	25.256
13)	MA	Dieldrin	6.344	5.366	82034280	90315967	26.345	25.396
14)	MA	Endrin	6.573	5.641	73113547	84108553	26.917	26.261
15)	B	Endosulfa...	6.793	5.936	74016105	76758144	27.191	25.611
16)	A	4,4'-DDD	6.709	5.789	60938554	69362212	26.202	25.353
17)	MA	4,4'-DDT	7.023	6.040	62765526	71884082	25.948	24.970
18)	B	Endrin al...	6.924	6.115	54694070	60931481	26.444	25.737
19)	B	Endosulfa...	7.158	6.339	63654622	71493054	26.439	25.530
20)	A	Methoxychlor	7.500	6.616	29638609	35224346	25.188	25.287
21)	B	Endrin ke...	7.643	6.844	69957864	80540360	26.225	25.402
22)		Mirex	8.116	7.025	52067275	65757273	26.287	25.705

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092500.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:40
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

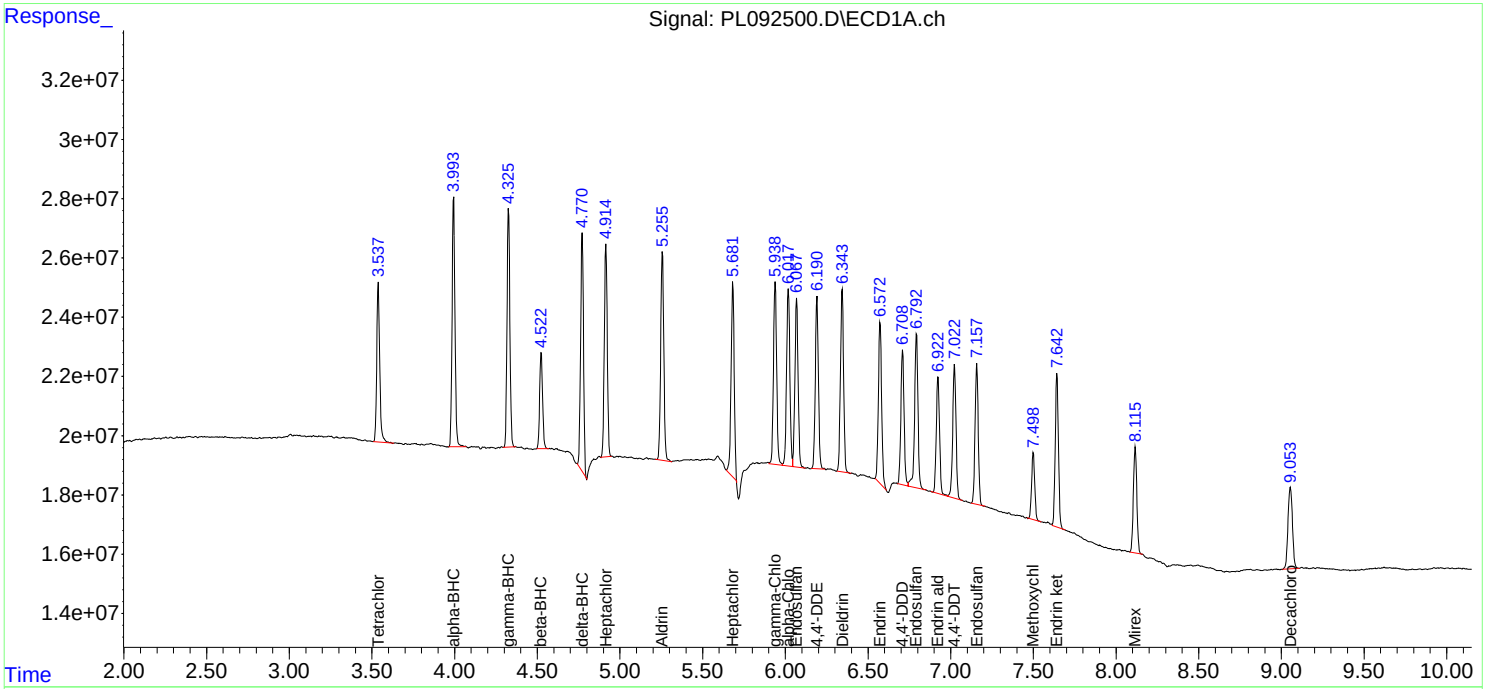
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

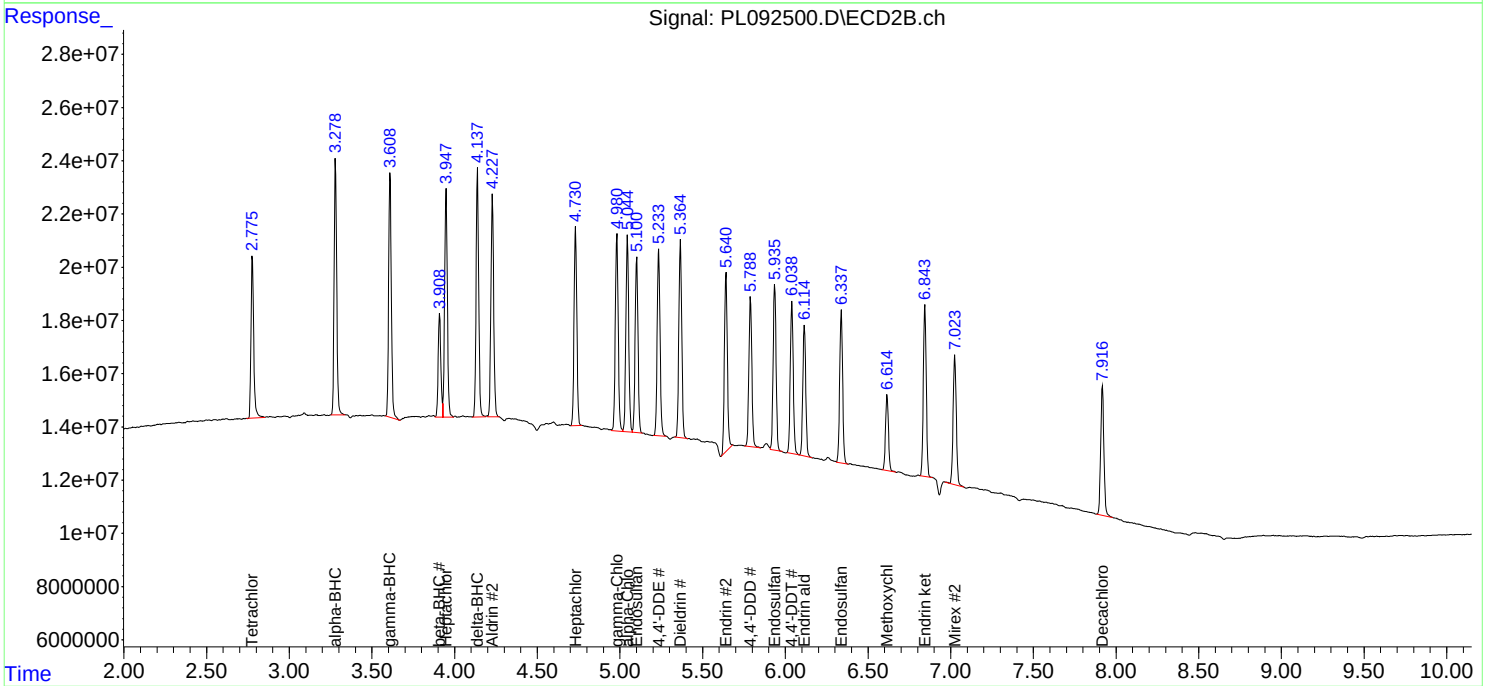
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:52:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092501.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:53
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:56:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.538	2.777	15335992	14932294	5.693	5.376
28) SA	Decachlor...	9.055	7.917	11550271	14466094	5.687	5.490
	Target Compounds						
2) A	alpha-BHC	3.994	3.279	23550744	22887068	5.714	5.304
3) MA	gamma-BHC...	4.327	3.608	21606418	21031469	5.617	5.109m
4) MA	Heptachlor	4.915	3.949	20774980	21679948	5.859	5.399
5) MB	Aldrin	5.257	4.229	22016168	21390638	5.985	5.381
6) B	beta-BHC	4.524	3.910	8503225	10365713	5.478	6.051
7) B	delta-BHC	4.770	4.138	21057553	23069655	5.607m	5.485
8) B	Heptachlo...	5.681	4.731	19333656	19103727	5.726m	5.422
9) A	Endosulfan I	6.068	5.101	17762124	16494921	5.890m	5.182
10) B	gamma-Chl...	5.938	4.981	19891738	20286229	5.932m	5.514
11) B	alpha-Chl...	6.018	5.045	19619382	19083753	6.057m	5.370
12) B	4,4'-DDE	6.192	5.234	16543069	19099515	5.578	5.493
13) MA	Dieldrin	6.345	5.366	19021023	20231934	5.849	5.536
14) MA	Endrin	6.573	5.640	16268738	17816138	5.657m	5.500m
15) B	Endosulfa...	6.793	5.936	16303950	18213587	5.824m	5.826
16) A	4,4'-DDD	6.710	5.790	13884139	14737552	5.747	5.305
17) MA	4,4'-DDT	7.024	6.040	13272514	15846372	5.382	5.396
18) B	Endrin al...	6.925	6.115	12036224	14063730	5.635	5.725
19) B	Endosulfa...	7.159	6.338	15014816	17898623	5.943	6.054
20) A	Methoxychlor	7.500	6.616	5909263	7587013	5.018	5.351
21) B	Endrin ke...	7.643	6.845	15393343	16891730	5.638m	5.259
22)	Mirex	8.117	7.024	12550862	14175105	6.015	5.406m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092501.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 13:53
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

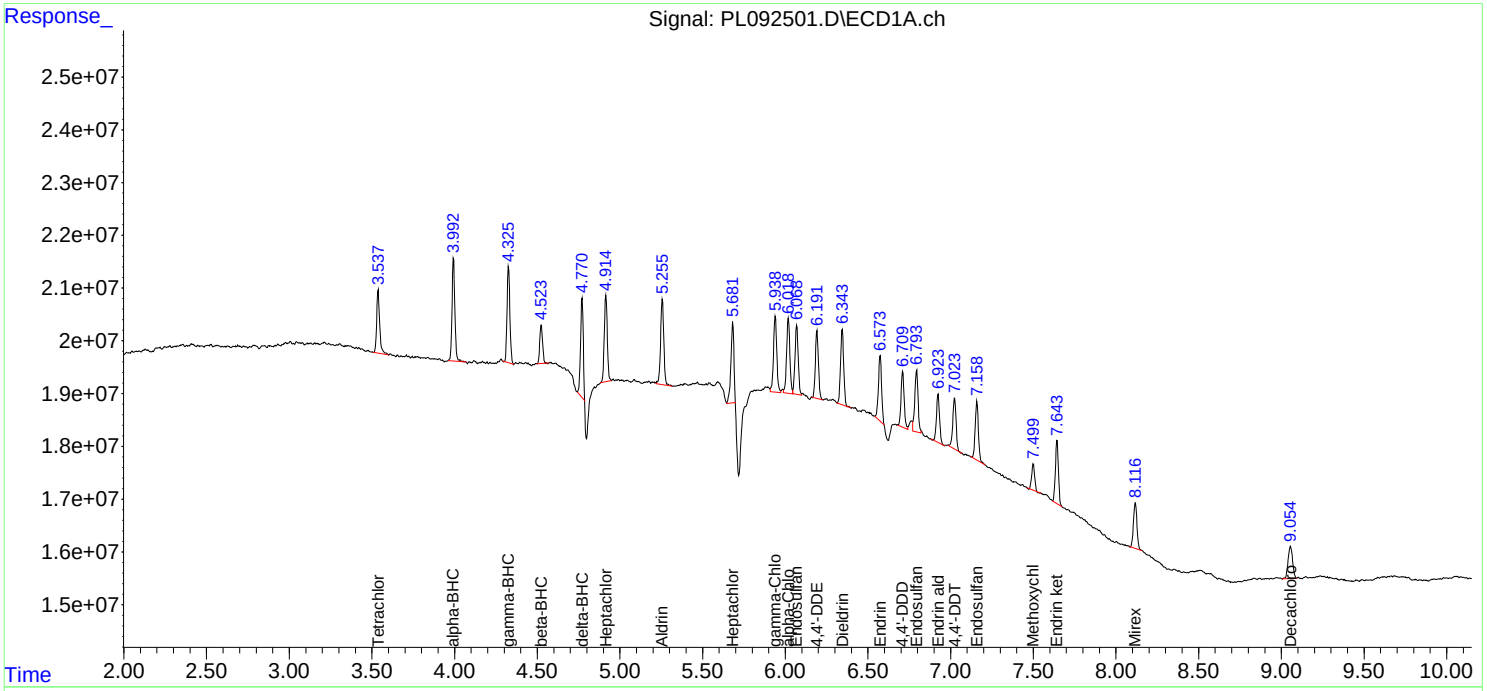
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

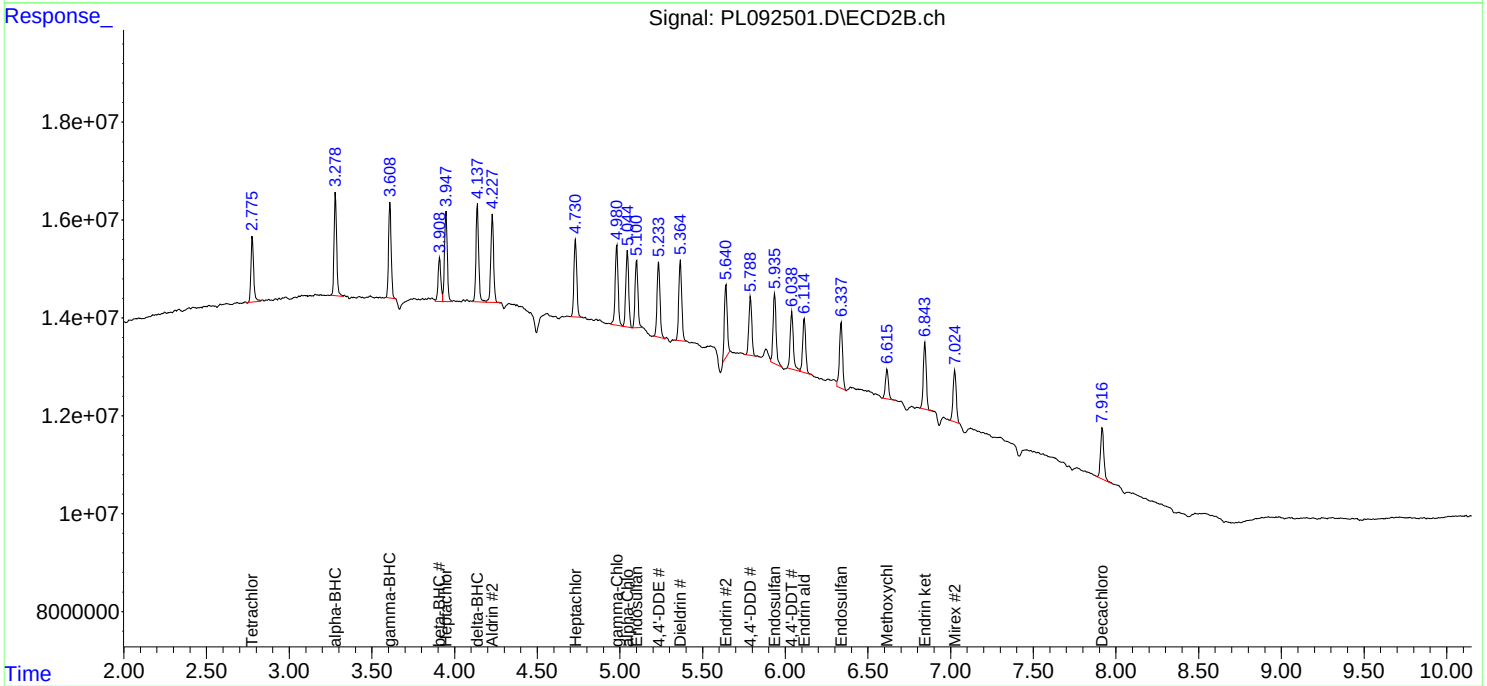
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:56:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 16:43:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092504.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 14:33
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 15:59:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 15:58:56 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.538	2.776	129.4E6	164.8E6	50.000	50.000
28) SA	Decachlor...	9.056	7.918	97897038	132.4E6	50.000	50.000
	Target Compounds						
23)	Chlordane-1	4.700	3.775	65786710	58261206	500.000	500.000
24)	Chlordane-2	5.231	4.352	66083445	71790067	500.000	500.000
25)	Chlordane-3	5.941	4.982	231.5E6	192.3E6	500.000	500.000
26)	Chlordane-4	6.023	5.045	277.1E6	186.4E6	500.000	500.000
27)	Chlordane-5	6.872	5.941	56971777	73481136	500.000	500.000

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

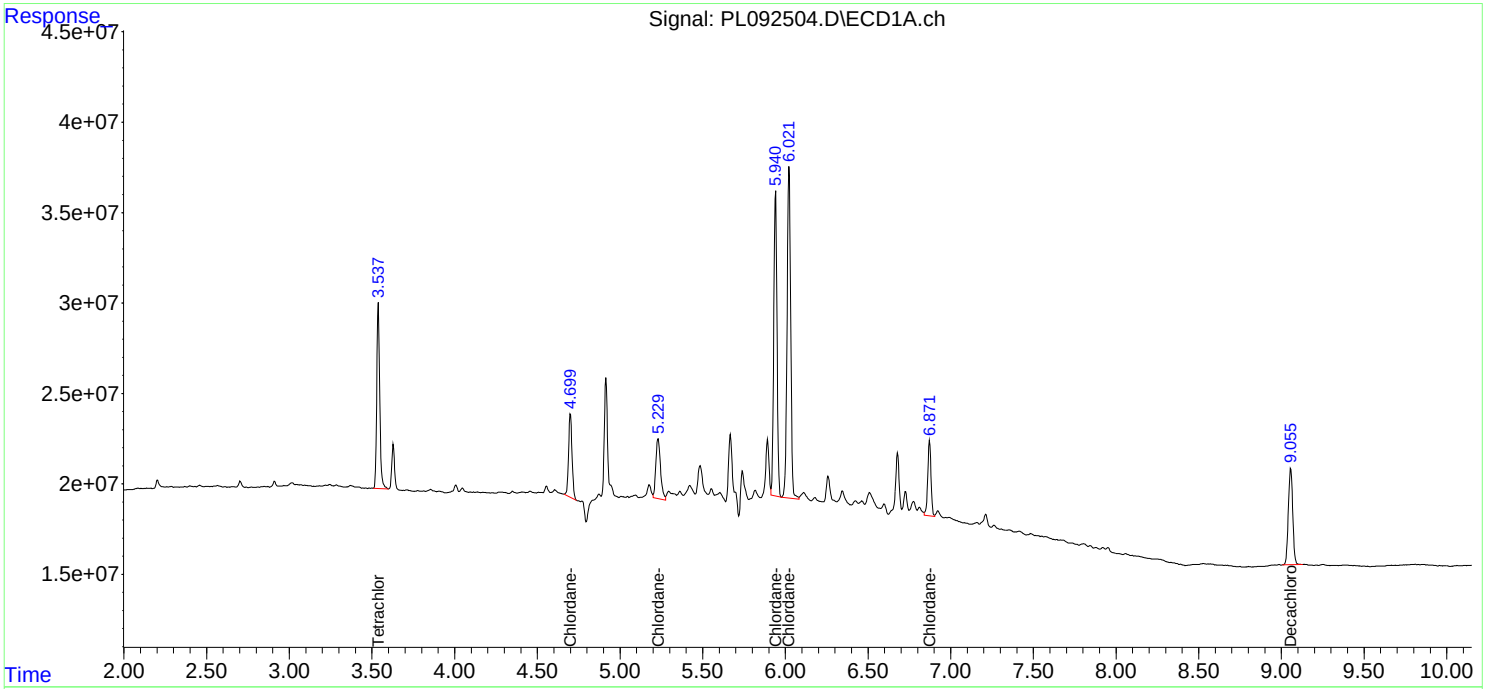
ICAL Form

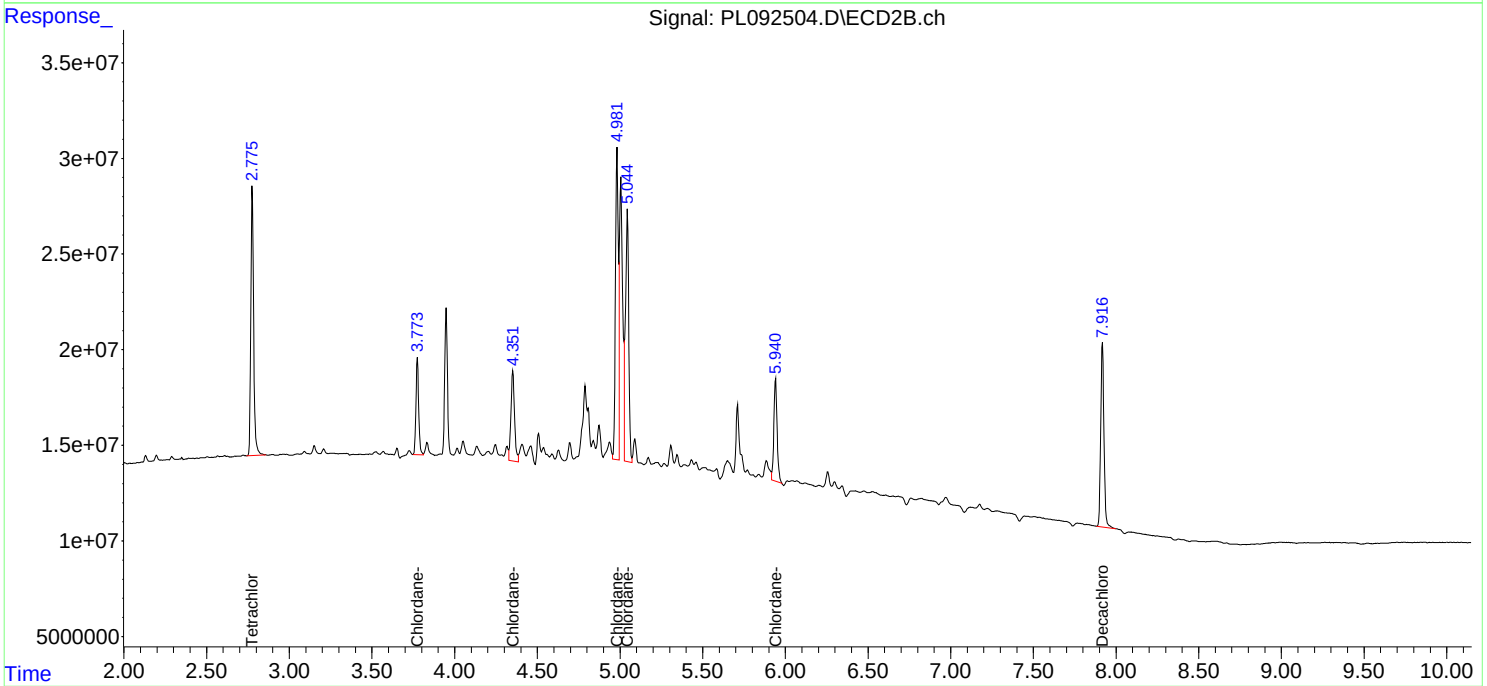
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092504.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 14:33
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 15:59:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 15:58:56 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092509.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 15:40
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:22:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:22:44 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.539	2.777	131.2E6	138.0E6	50.000	50.000
7) SA	Decachlor...	9.056	7.917	99055018	134.3E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	6.237	5.008	13323445	12234024	500.000	500.000
3)	Toxaphene-2	6.442	5.332	7798054	12005121	500.000	500.000
4)	Toxaphene-3	7.059	6.606	43346228	35338241	500.000	500.000
5)	Toxaphene-4	7.151	6.734	34740446	41260883	500.000	500.000
6)	Toxaphene-5	7.935	7.047	24371709	41583003	500.000	500.000

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

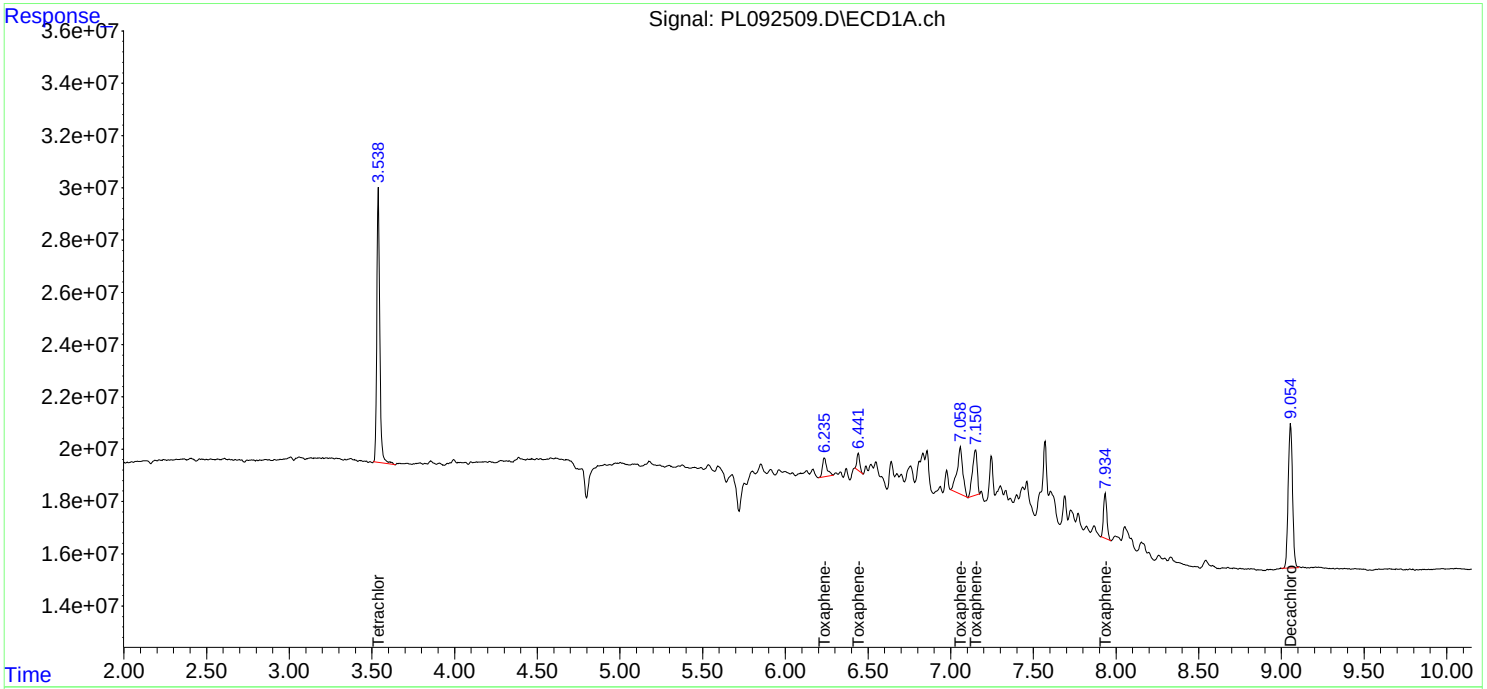
ICAL Form

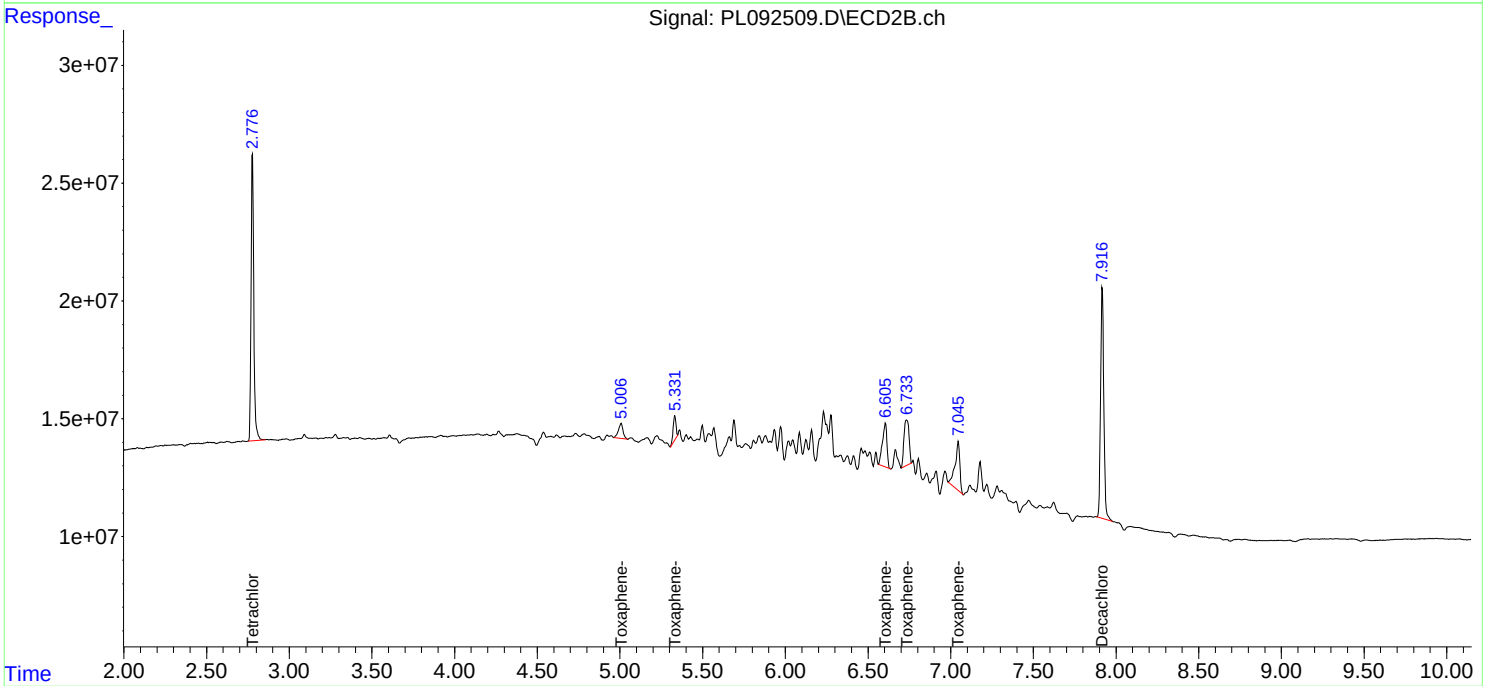
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092509.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 15:40
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:22:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:22:44 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092512.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 16:21
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL102124

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:09:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.777	129.5E6	138.1E6	48.067	49.707
28)	SA Decachlor...	9.056	7.917	97721936	136.3E6	48.112	51.735
	Target Compounds						
2)	A alpha-BHC	3.995	3.280	200.0E6	210.8E6	48.525	48.845
3)	MA gamma-BHC...	4.327	3.610	187.4E6	209.2E6	48.704	50.799
4)	MA Heptachlor	4.917	3.949	175.0E6	197.6E6	49.350	49.215
5)	MB Aldrin	5.259	4.229	187.9E6	195.8E6	51.090	49.260
6)	B beta-BHC	4.525	3.910	75317205	83414361	48.519	47.776
7)	B delta-BHC	4.771	4.139	191.0E6	206.0E6	50.774m	48.986
8)	B Heptachlo...	5.684	4.732	170.4E6	179.3E6	51.301m	50.898
9)	A Endosulfan I	6.070	5.102	149.0E6	161.4E6	49.351	50.702
10)	B gamma-Chl...	5.941	4.982	159.0E6	183.2E6	48.235	49.803
11)	B alpha-Chl...	6.020	5.046	156.6E6	178.0E6	48.084	50.087
12)	B 4,4'-DDE	6.194	5.235	145.5E6	177.6E6	49.064	51.086
13)	MA Dieldrin	6.346	5.367	157.3E6	182.9E6	48.370	50.042
14)	MA Endrin	6.575	5.642	132.5E6	163.0E6	46.920	49.759
15)	B Endosulfa...	6.795	5.937	151.3E6	157.3E6	53.462	50.320
16)	A 4,4'-DDD	6.711	5.790	117.9E6	140.0E6	48.805	50.402
17)	MA 4,4'-DDT	7.024	6.041	122.6E6	146.8E6	49.730	49.985
18)	B Endrin al...	6.925	6.117	105.7E6	123.0E6	49.492	50.089
19)	B Endosulfa...	7.160	6.339	122.9E6	151.8E6	48.636	51.353
20)	A Methoxychlor	7.501	6.616	61626507	70241137	52.327	49.540
21)	B Endrin ke...	7.644	6.845	137.1E6	163.6E6	49.866	50.924
22)	Mirex	8.118	7.025	100.6E6	132.4E6	48.219	50.674m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092512.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 16:21
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

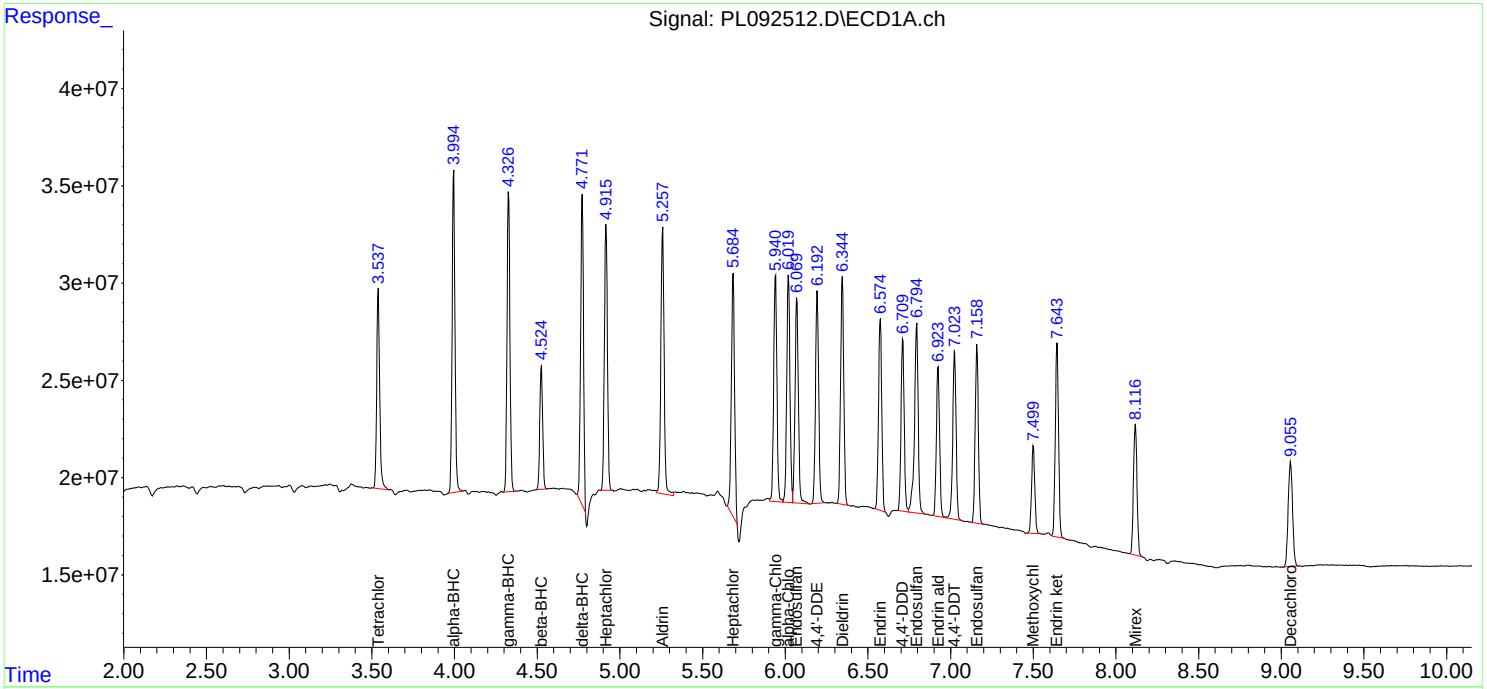
Instrument :
ECD_L
ClientSampleId :
ICVPL102124

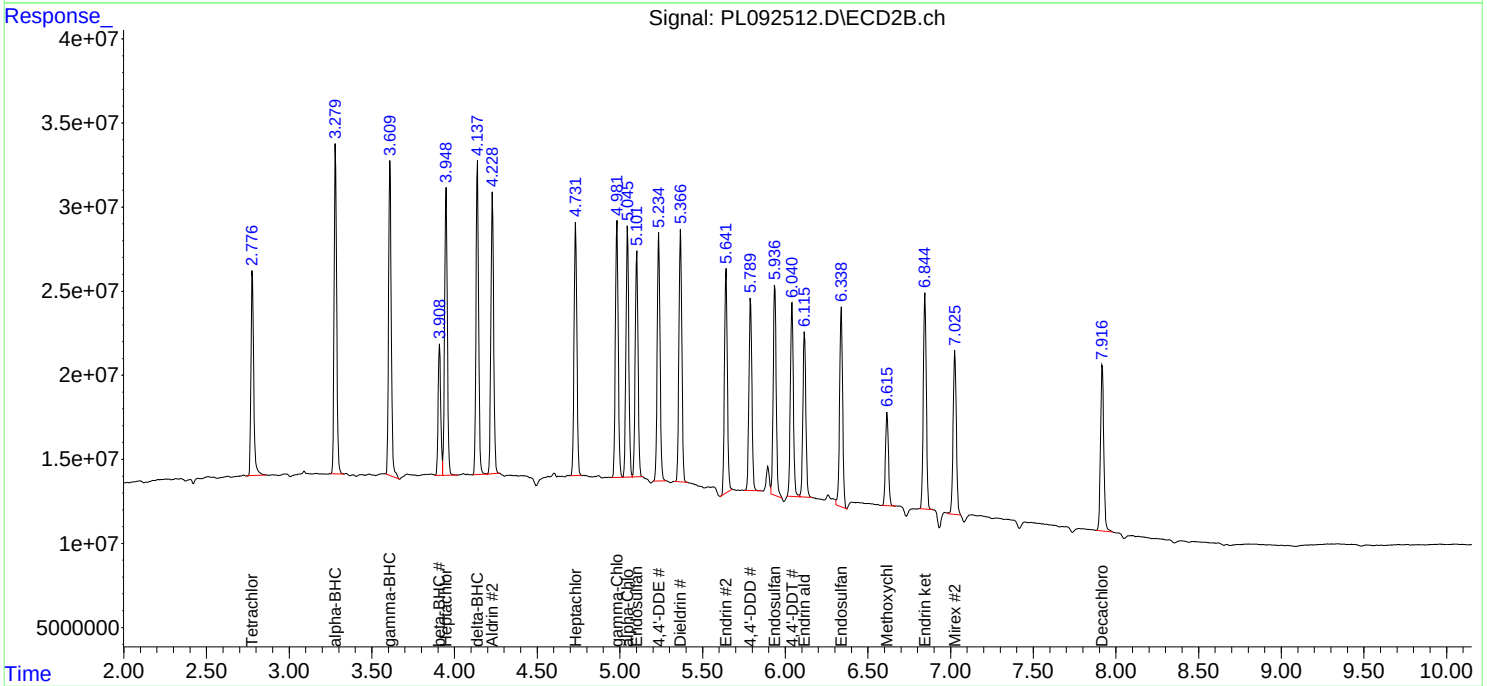
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:09:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092513.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 16:34
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL102124CHLOR

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:06:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:05:44 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.777	129.1E6	167.5E6	49.961	50.472
28)	SA Decachlor...	9.056	7.917	97417066	135.9E6	50.946	50.863
	Target Compounds						
23)	Chlordane-1	4.701	3.775	66842985	58698178	507.306	493.953
24)	Chlordane-2	5.231	4.353	63372083	67628263	478.307	484.115
25)	Chlordane-3	5.942	4.983	230.8E6	199.5E6	478.299	497.608
26)	Chlordane-4	6.023	5.046	276.5E6	190.4E6	472.945	490.786
27)	Chlordane-5	6.872	5.942	53136992	75499158	452.577m	539.570

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092513.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 16:34
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

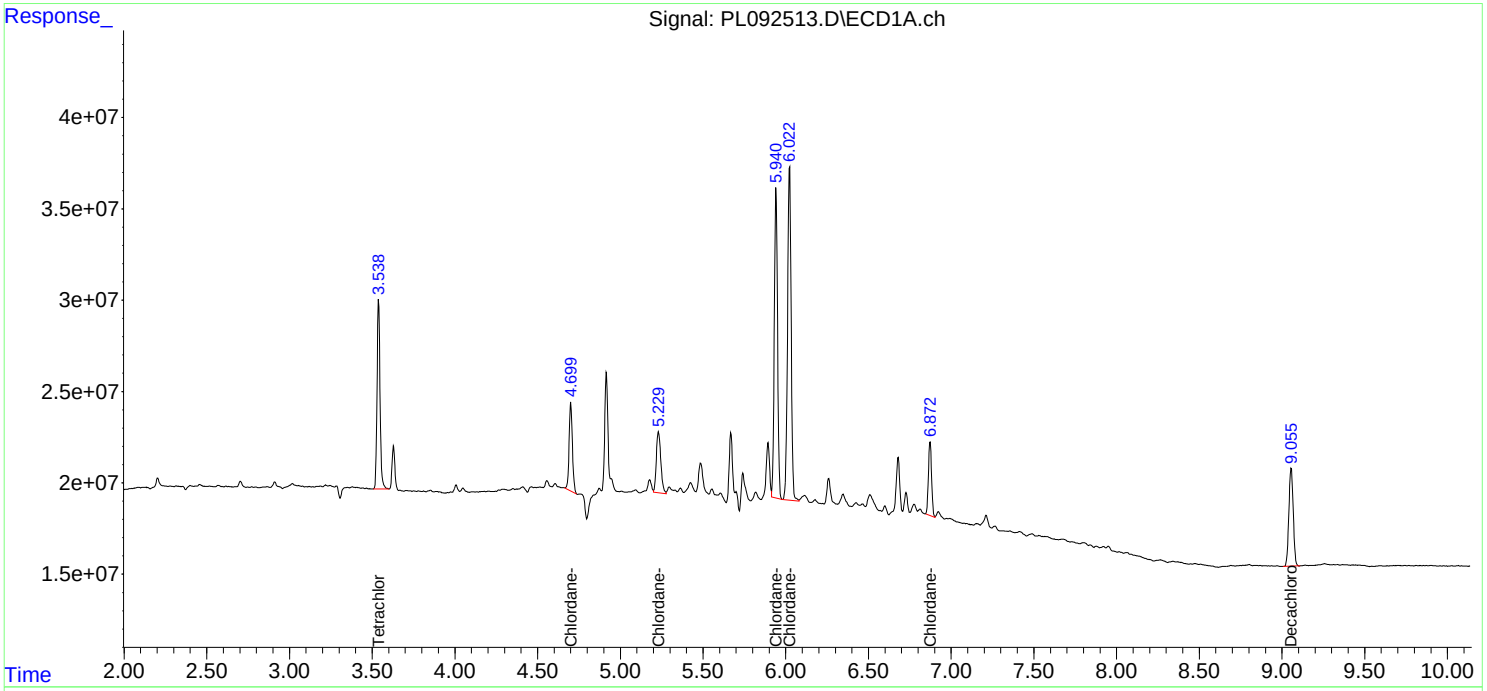
Instrument :
ECD_L
ClientSampleId :
ICVPL102124CHLOR

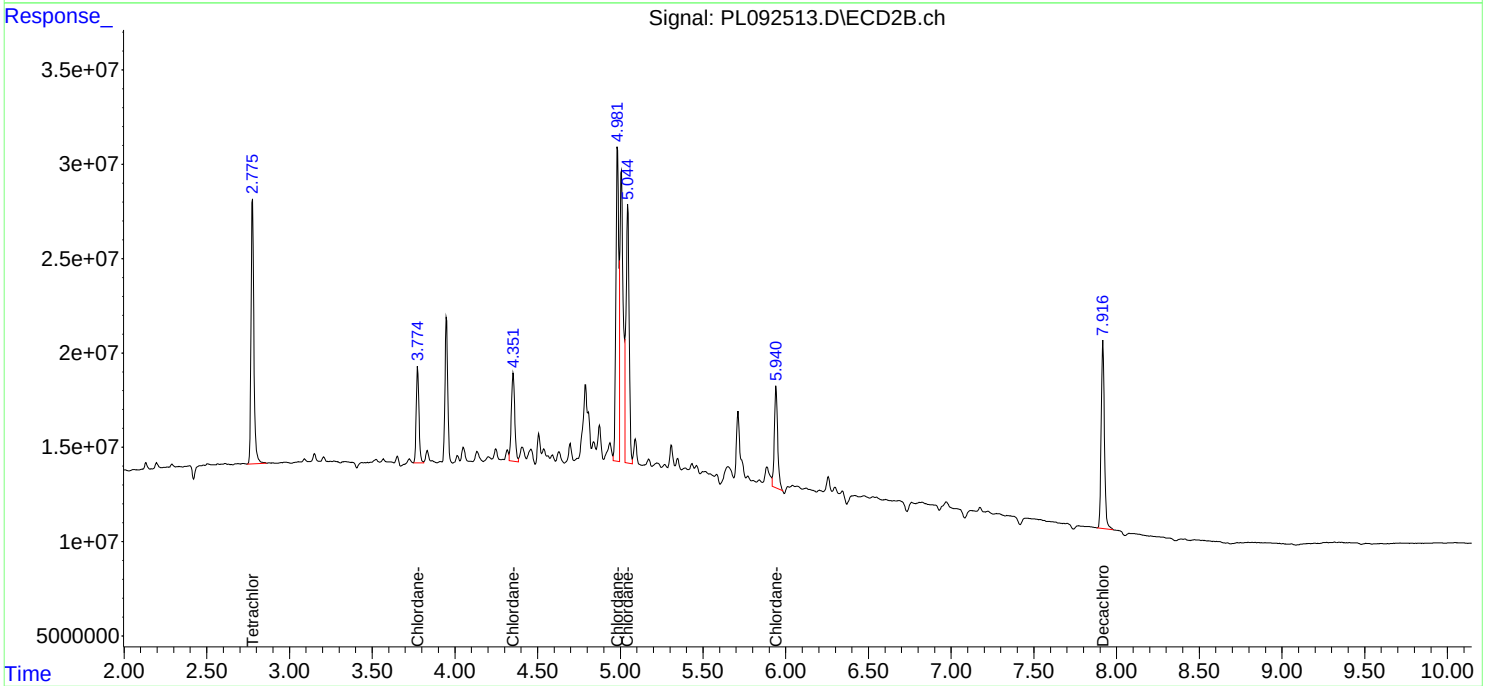
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:06:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:05:44 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092514.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 18:08
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL102124

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 08:18:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:30:39 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.539	2.778	123.7E6	134.1E6	47.255	48.670
7) SA	Decachlor...	9.056	7.918	96187470	128.7E6	48.550	48.370
	Target Compounds						
2)	Toxaphene-1	6.238	5.007	12867496	12289931	482.998	487.266
3)	Toxaphene-2	6.442	5.333	8135668	10574213	519.010	439.000
4)	Toxaphene-3	7.061	6.606	41627340	32898788	509.733	478.723
5)	Toxaphene-4	7.151	6.734	33399134	44775434	480.771	537.329
6)	Toxaphene-5	7.936	7.047	23214509	33265320	465.716	426.029

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

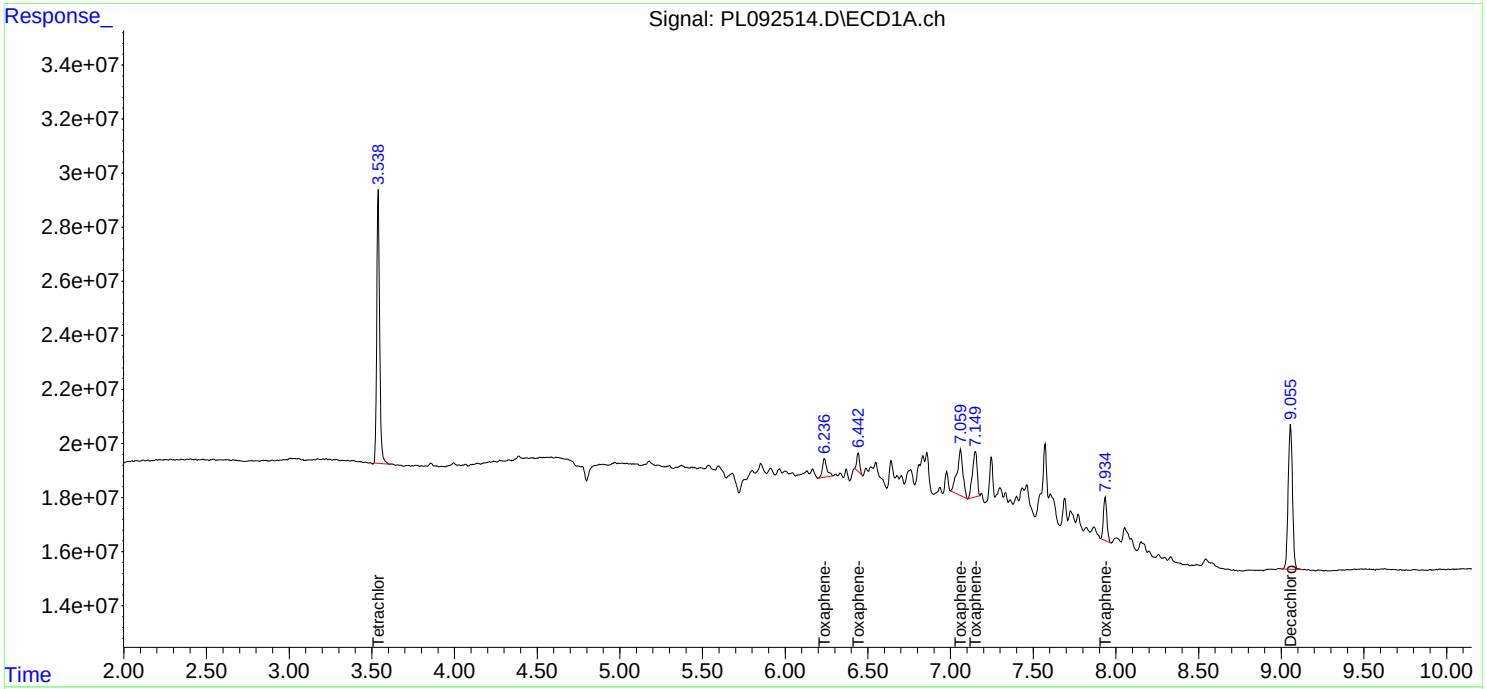
ICAL Form

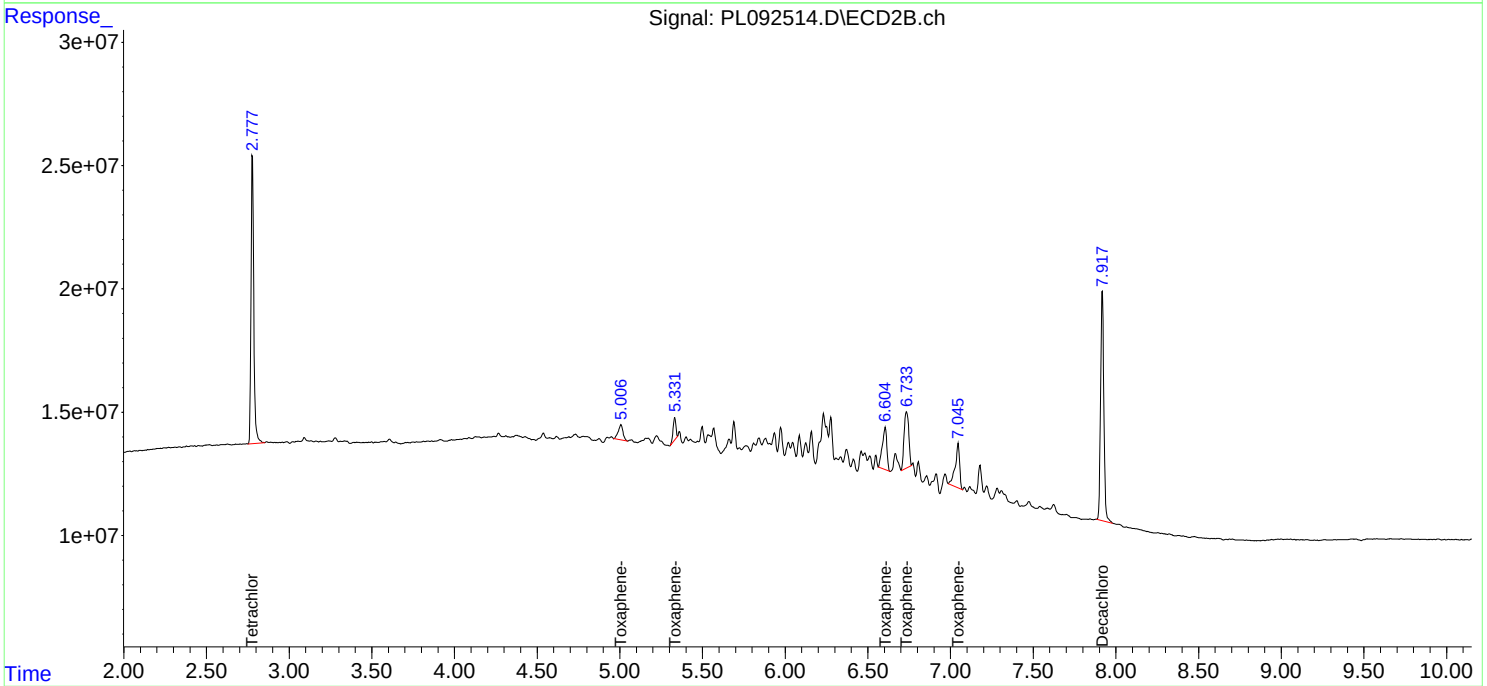
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092514.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 18:08
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL102124

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 08:18:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:30:39 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm





Raw Data: **PL092553.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Continuing Calib Date: 10/23/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 09:38 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.53	4.52	4.42	4.62	-0.01
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Raw Data: **PL092553.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Continuing Calib Date: 10/23/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 09:38 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.23	5.13	5.33	-0.01
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.84	6.74	6.94	-0.01
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

Raw Data: **PL092553.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092553.D **Time Analyzed:** 09:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.714	6.610	6.810	40.800	50.000	-18.4
4,4'-DDE	6.197	6.092	6.292	40.530	50.000	-18.9
4,4'-DDT	7.028	6.924	7.124	41.890	50.000	-16.2
Aldrin	5.262	5.157	5.357	42.120	50.000	-15.8
alpha-BHC	4.000	3.894	4.094	43.580	50.000	-12.8
alpha-Chlordane	6.023	5.918	6.118	41.670	50.000	-16.7
beta-BHC	4.530	4.424	4.624	47.670	50.000	-4.7
Decachlorobiphenyl	9.059	8.955	9.155	46.510	50.000	-7.0
delta-BHC	4.777	4.671	4.871	43.180	50.000	-13.6
Dieldrin	6.349	6.245	6.445	41.550	50.000	-16.9
Endosulfan I	6.074	5.969	6.169	42.320	50.000	-15.4
Endosulfan II	6.798	6.694	6.894	42.150	50.000	-15.7
Endosulfan sulfate	7.162	7.059	7.259	43.090	50.000	-13.8
Endrin	6.578	6.474	6.674	40.710	50.000	-18.6
Endrin aldehyde	6.929	6.824	7.024	44.410	50.000	-11.2
Endrin ketone	7.647	7.544	7.744	44.600	50.000	-10.8
gamma-BHC (Lindane)	4.332	4.227	4.427	44.680	50.000	-10.6
gamma-Chlordane	5.944	5.839	6.039	41.260	50.000	-17.5
Heptachlor	4.920	4.815	5.015	43.900	50.000	-12.2
Heptachlor epoxide	5.688	5.583	5.783	42.850	50.000	-14.3
Methoxychlor	7.503	7.400	7.600	47.120	50.000	-5.8
Tetrachloro-m-xylene	3.544	3.438	3.638	47.680	50.000	-4.6

Raw Data: **PL092553.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092553.D **Time Analyzed:** 09:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.791	5.689	5.889	48.090	50.000	-3.8
4,4'-DDE	5.236	5.134	5.334	50.070	50.000	0.1
4,4'-DDT	6.042	5.940	6.140	48.800	50.000	-2.4
Aldrin	4.231	4.129	4.329	51.180	50.000	2.4
alpha-BHC	3.282	3.180	3.380	51.310	50.000	2.6
alpha-Chlordane	5.047	4.945	5.145	51.150	50.000	2.3
beta-BHC	3.912	3.810	4.010	50.120	50.000	0.2
Decachlorobiphenyl	7.918	7.817	8.017	53.940	50.000	7.9
delta-BHC	4.141	4.038	4.238	50.320	50.000	0.6
Dieldrin	5.368	5.266	5.466	50.010	50.000	0.0
Endosulfan I	5.104	5.001	5.201	52.390	50.000	4.8
Endosulfan II	5.938	5.836	6.036	49.220	50.000	-1.6
Endosulfan sulfate	6.340	6.238	6.438	48.750	50.000	-2.5
Endrin	5.643	5.541	5.741	49.320	50.000	-1.4
Endrin aldehyde	6.117	6.016	6.216	49.840	50.000	-0.3
Endrin ketone	6.846	6.744	6.944	50.950	50.000	1.9
gamma-BHC (Lindane)	3.612	3.510	3.710	51.860	50.000	3.7
gamma-Chlordane	4.984	4.881	5.081	49.950	50.000	-0.1
Heptachlor	3.951	3.849	4.049	51.880	50.000	3.8
Heptachlor epoxide	4.734	4.631	4.831	52.030	50.000	4.1
Methoxychlor	6.617	6.515	6.715	52.400	50.000	4.8
Tetrachloro-m-xylene	2.779	2.677	2.877	52.560	50.000	5.1

Quantitation Report (QT Reviewed)

Sample Results: **PL092553.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102324\
Data File : PL092553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 09:38
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 01:18:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.544	2.779	128.4E6	146.0E6	47.676	52.559
28)	SA	Decachlor...	9.059	7.918	94472897	142.1E6	46.512	53.942
		Target Compounds						
2)	A	alpha-BHC	4.000	3.282	179.6E6	221.4E6	43.580	51.307
3)	MA	gamma-BHC...	4.332	3.612	171.9E6	213.6E6	44.676	51.858
4)	MA	Heptachlor	4.920	3.951	155.6E6	208.3E6	43.895m	51.881
5)	MB	Aldrin	5.262	4.231	155.0E6	203.5E6	42.125	51.182
6)	B	beta-BHC	4.530	3.912	73998859	87511920	47.670	50.123
7)	B	delta-BHC	4.777	4.141	162.4E6	211.7E6	43.176	50.325
8)	B	Heptachlo...	5.688	4.734	142.3E6	183.3E6	42.848	52.030
9)	A	Endosulfan I	6.074	5.104	127.8E6	166.8E6	42.318	52.390
10)	B	gamma-Chl...	5.944	4.984	136.0E6	183.8E6	41.259	49.951
11)	B	alpha-Chl...	6.023	5.047	135.7E6	181.8E6	41.670	51.155
12)	B	4,4'-DDE	6.197	5.236	120.2E6	174.1E6	40.528	50.070
13)	MA	Dieldrin	6.349	5.368	135.1E6	182.8E6	41.546	50.011
14)	MA	Endrin	6.578	5.643	114.9E6	161.5E6	40.707	49.321
15)	B	Endosulfa...	6.798	5.938	119.3E6	153.9E6	42.148	49.217
16)	A	4,4'-DDD	6.714	5.791	98562195	133.6E6	40.796	48.089
17)	MA	4,4'-DDT	7.028	6.042	103.3E6	143.3E6	41.888	48.804
18)	B	Endrin al...	6.929	6.117	94854369	122.4E6	44.406	49.844
19)	B	Endosulfa...	7.162	6.340	108.9E6	144.1E6	43.087	48.745
20)	A	Methoxychlor	7.503	6.617	55488791	74291493	47.116	52.397
21)	B	Endrin ke...	7.647	6.846	122.6E6	163.7E6	44.597	50.954
22)		Mirex	8.120	7.026	97986307	138.5E6	46.959	52.989

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

Sample Results: **PL092553.D**

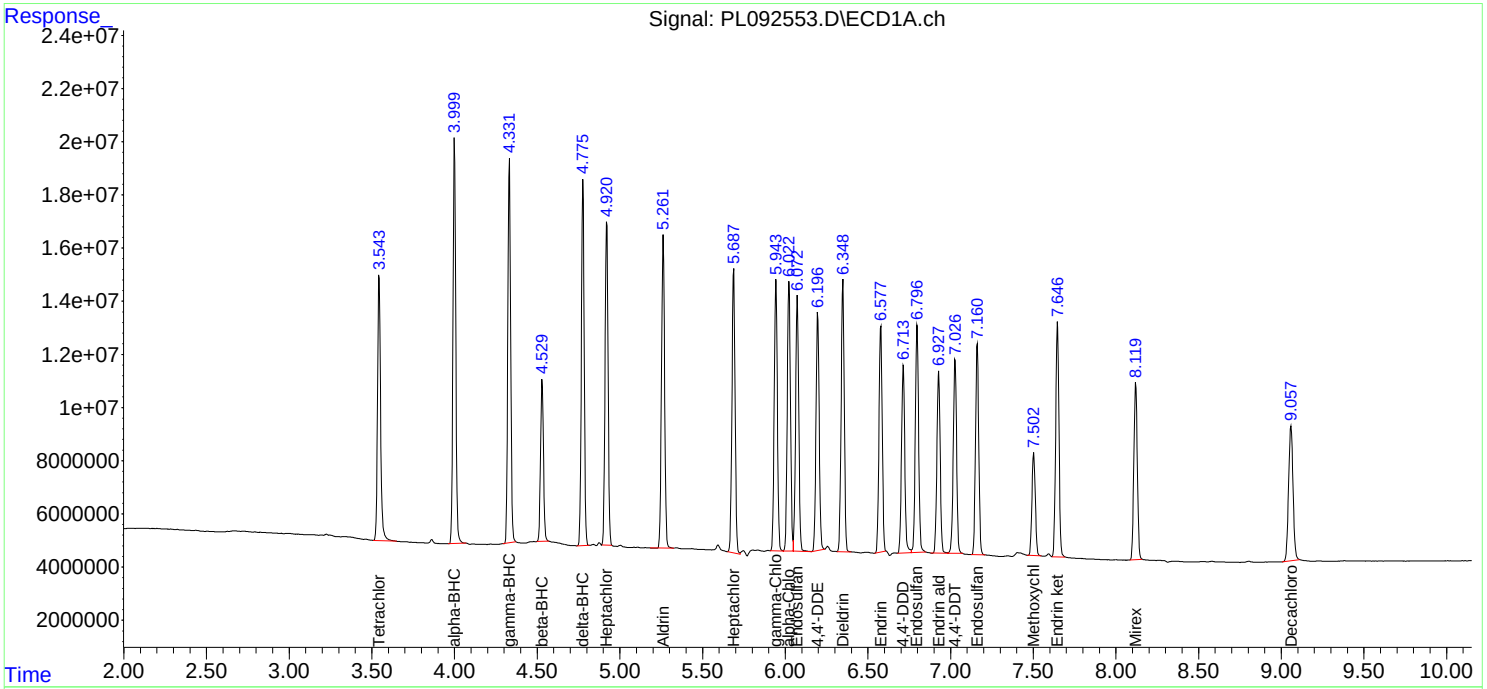
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102324\
Data File : PL092553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 09:38
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

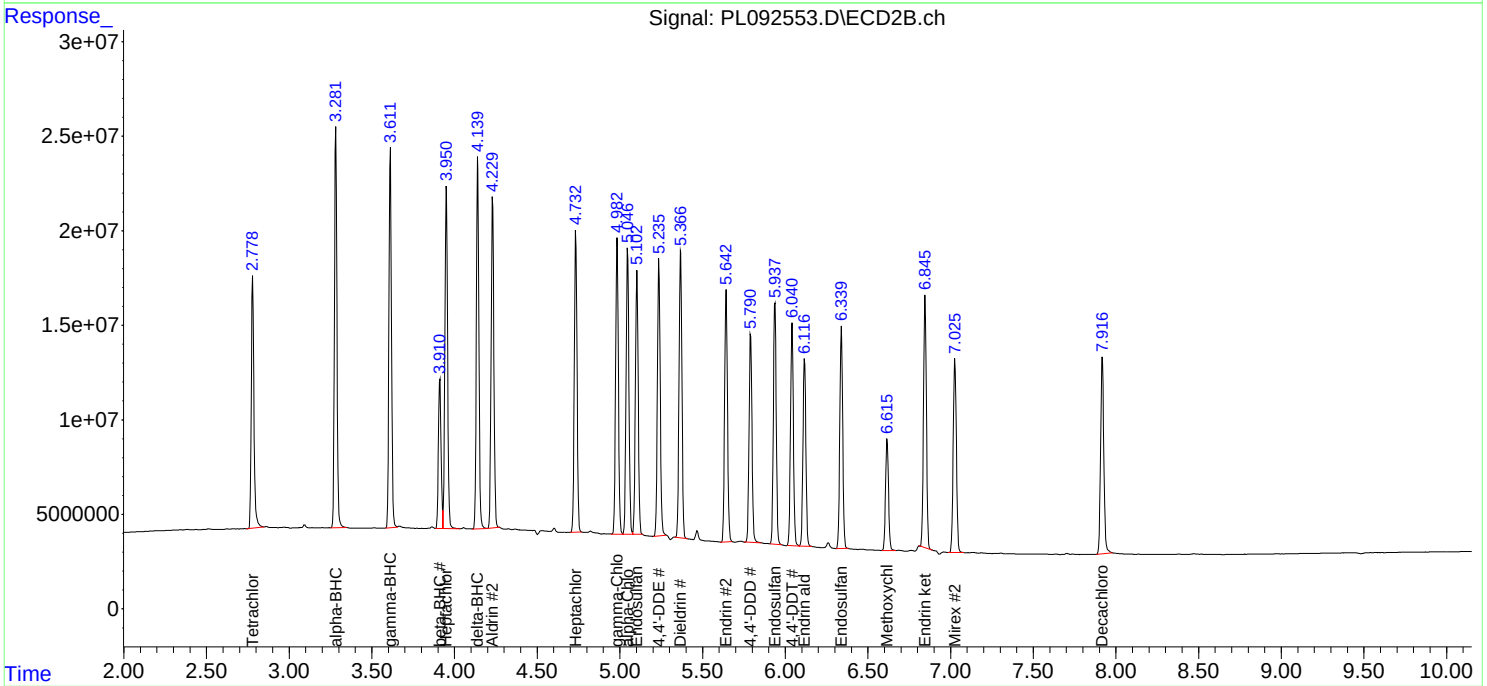
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 01:18:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





Raw Data: **PL092568.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Continuing Calib Date: 10/23/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 18:50 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.53	4.52	4.42	4.62	-0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	0.00
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Raw Data: **PL092568.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Continuing Calib Date: 10/23/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 18:50 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.23	5.13	5.33	-0.01
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.84	6.74	6.94	-0.01
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

Raw Data: **PL092568.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092568.D **Time Analyzed:** 18:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.712	6.610	6.810	44.460	50.000	-11.1
4,4'-DDE	6.195	6.092	6.292	42.160	50.000	-15.7
4,4'-DDT	7.026	6.924	7.124	40.150	50.000	-19.7
Aldrin	5.260	5.157	5.357	42.840	50.000	-14.3
alpha-BHC	3.997	3.894	4.094	44.420	50.000	-11.2
alpha-Chlordane	6.021	5.918	6.118	42.200	50.000	-15.6
beta-BHC	4.527	4.424	4.624	49.320	50.000	-1.4
Decachlorobiphenyl	9.057	8.955	9.155	48.570	50.000	-2.9
delta-BHC	4.774	4.671	4.871	45.030	50.000	-9.9
Dieldrin	6.347	6.245	6.445	42.280	50.000	-15.4
Endosulfan I	6.072	5.969	6.169	42.820	50.000	-14.4
Endosulfan II	6.797	6.694	6.894	42.620	50.000	-14.8
Endosulfan sulfate	7.161	7.059	7.259	44.330	50.000	-11.3
Endrin	6.575	6.474	6.674	40.190	50.000	-19.6
Endrin aldehyde	6.926	6.824	7.024	46.020	50.000	-8.0
Endrin ketone	7.646	7.544	7.744	46.770	50.000	-6.5
gamma-BHC (Lindane)	4.329	4.227	4.427	45.460	50.000	-9.1
gamma-Chlordane	5.942	5.839	6.039	41.860	50.000	-16.3
Heptachlor	4.918	4.815	5.015	42.990	50.000	-14.0
Heptachlor epoxide	5.685	5.583	5.783	43.650	50.000	-12.7
Methoxychlor	7.502	7.400	7.600	45.530	50.000	-8.9
Tetrachloro-m-xylene	3.541	3.438	3.638	48.380	50.000	-3.2

Raw Data: **PL092568.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092568.D **Time Analyzed:** 18:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.791	5.689	5.889	53.520	50.000	7.0
4,4'-DDE	5.236	5.134	5.334	52.910	50.000	5.8
4,4'-DDT	6.041	5.940	6.140	45.110	50.000	-9.8
Aldrin	4.231	4.129	4.329	52.960	50.000	5.9
alpha-BHC	3.282	3.180	3.380	52.940	50.000	5.9
alpha-Chlordane	5.047	4.945	5.145	52.920	50.000	5.8
beta-BHC	3.912	3.810	4.010	52.490	50.000	5.0
Decachlorobiphenyl	7.918	7.817	8.017	55.780	50.000	11.6
delta-BHC	4.141	4.038	4.238	52.610	50.000	5.2
Dieldrin	5.368	5.266	5.466	51.790	50.000	3.6
Endosulfan I	5.103	5.001	5.201	54.230	50.000	8.5
Endosulfan II	5.937	5.836	6.036	50.330	50.000	0.7
Endosulfan sulfate	6.340	6.238	6.438	50.140	50.000	0.3
Endrin	5.643	5.541	5.741	48.850	50.000	-2.3
Endrin aldehyde	6.117	6.016	6.216	51.370	50.000	2.7
Endrin ketone	6.846	6.744	6.944	53.900	50.000	7.8
gamma-BHC (Lindane)	3.612	3.510	3.710	53.510	50.000	7.0
gamma-Chlordane	4.983	4.881	5.081	52.020	50.000	4.0
Heptachlor	3.951	3.849	4.049	51.110	50.000	2.2
Heptachlor epoxide	4.733	4.631	4.831	53.800	50.000	7.6
Methoxychlor	6.617	6.515	6.715	49.910	50.000	-0.2
Tetrachloro-m-xylene	2.780	2.677	2.877	54.330	50.000	8.7

Quantitation Report (QT Reviewed)

Sample Results: **PL092568.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102324\
Data File : PL092568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 18:50
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 01:25:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.541	2.780	130.3E6	150.9E6	48.380	54.334
28)	SA	Decachlor...	9.057	7.918	98656459	147.0E6	48.572	55.780
		Target Compounds						
2)	A	alpha-BHC	3.997	3.282	183.0E6	228.5E6	44.415	52.944
3)	MA	gamma-BHC...	4.329	3.612	174.9E6	220.4E6	45.464	53.515
4)	MA	Heptachlor	4.918	3.951	152.4E6	205.2E6	42.995	51.109
5)	MB	Aldrin	5.260	4.231	157.6E6	210.5E6	42.840	52.959
6)	B	beta-BHC	4.527	3.912	76565391	91640072	49.323	52.487
7)	B	delta-BHC	4.774	4.141	169.4E6	221.3E6	45.031	52.608
8)	B	Heptachlo...	5.685	4.733	144.9E6	189.6E6	43.646m	53.798
9)	A	Endosulfan I	6.072	5.103	129.3E6	172.6E6	42.825	54.227 #
10)	B	gamma-Chl...	5.942	4.983	138.0E6	191.4E6	41.858	52.021
11)	B	alpha-Chl...	6.021	5.047	137.4E6	188.1E6	42.195	52.920 #
12)	B	4,4'-DDE	6.195	5.236	125.0E6	184.0E6	42.162	52.906 #
13)	MA	Dieldrin	6.347	5.368	137.5E6	189.2E6	42.282	51.786
14)	MA	Endrin	6.575	5.643	113.5E6	160.0E6	40.191m	48.847
15)	B	Endosulfa...	6.797	5.937	120.6E6	157.3E6	42.620	50.331m
16)	A	4,4'-DDD	6.712	5.791	107.4E6	148.7E6	44.463	53.523
17)	MA	4,4'-DDT	7.026	6.041	99019987	132.5E6	40.153	45.108
18)	B	Endrin al...	6.926	6.117	98296389	126.2E6	46.017	51.369
19)	B	Endosulfa...	7.161	6.340	112.0E6	148.2E6	44.330	50.141
20)	A	Methoxychlor	7.502	6.617	53621934	70763763	45.531	49.909
21)	B	Endrin ke...	7.646	6.846	128.6E6	173.1E6	46.771	53.897
22)		Mirex	8.119	7.026	99458229	139.2E6	47.665	53.278

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102324\
Data File : PL092568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 18:50
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

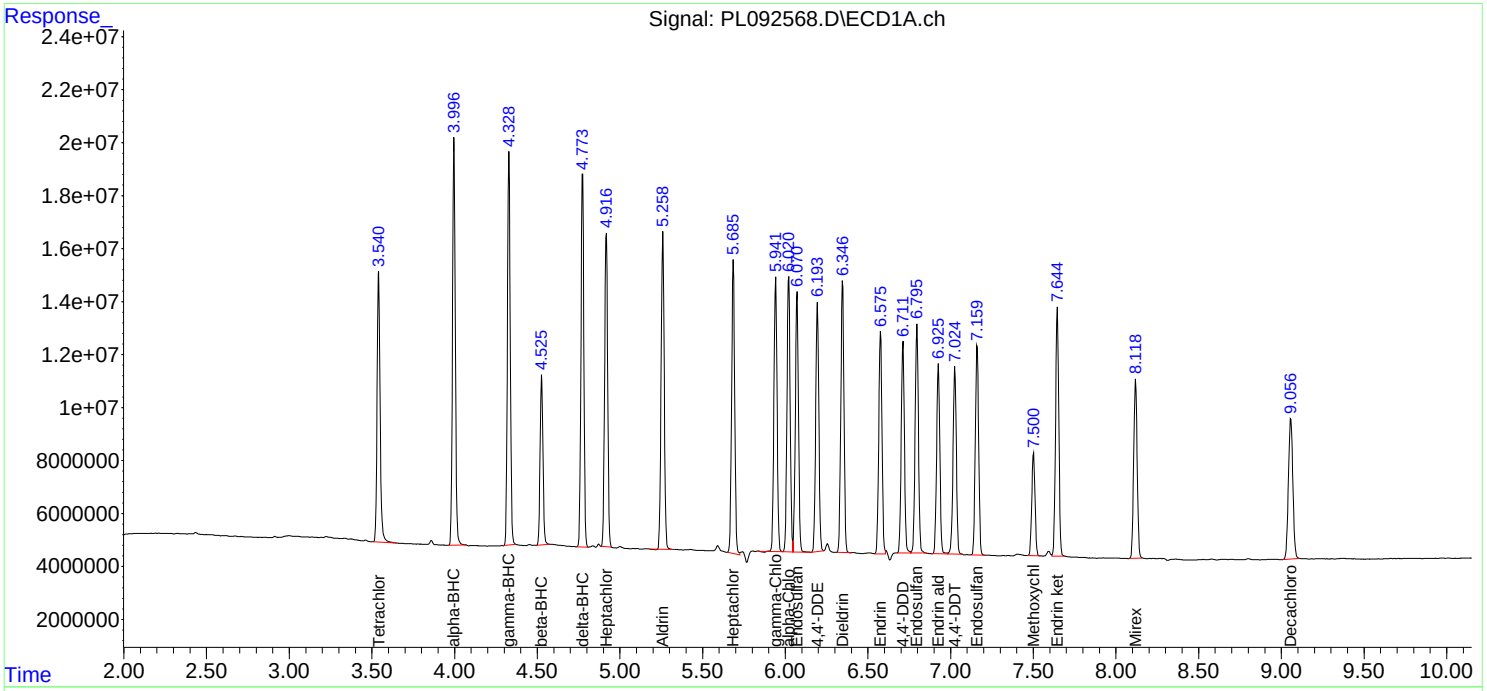
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

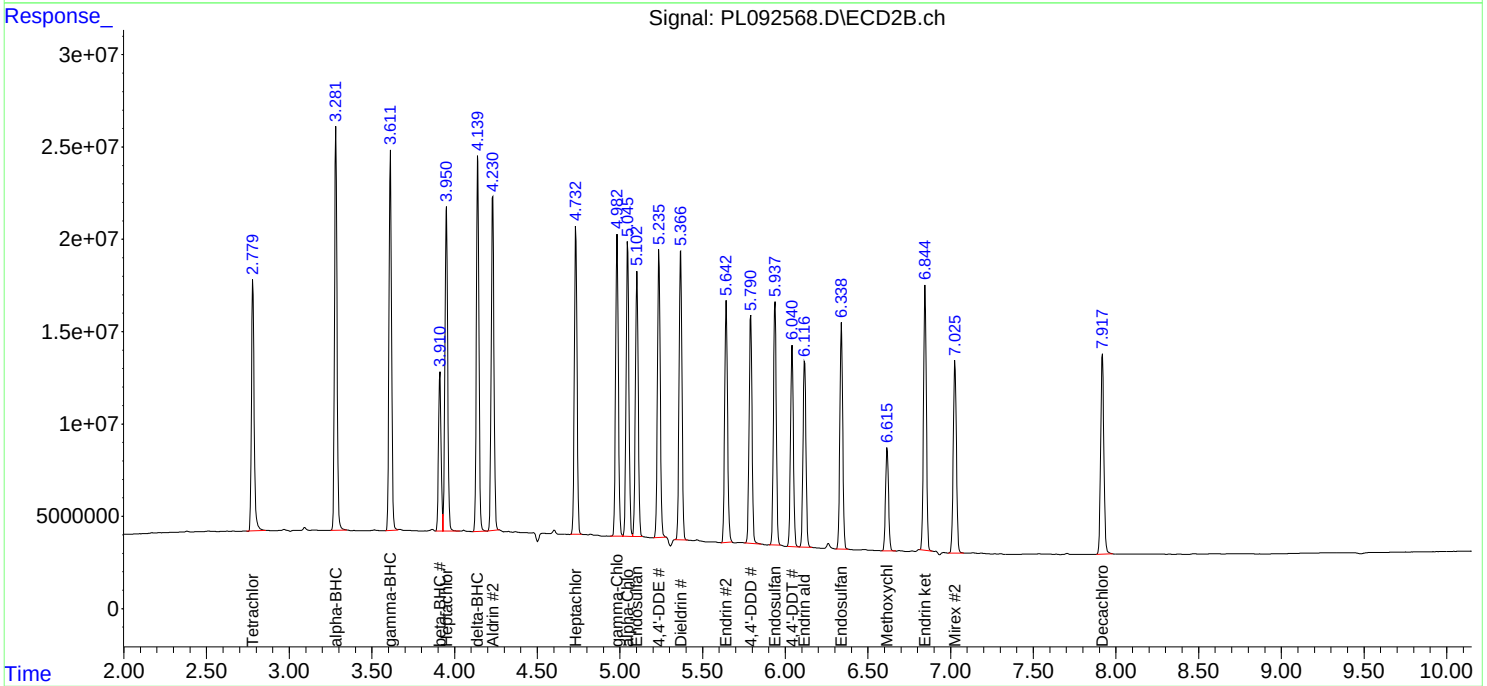
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 01:25:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





Raw Data: **PL092591.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 10:19 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.53	4.52	4.42	4.62	-0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Raw Data: **PL092591.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 10:19 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.23	5.13	5.33	-0.01
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

Raw Data: **PL092591.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/24/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092591.D **Time Analyzed:** 10:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.712	6.610	6.810	44.540	50.000	-10.9
4,4'-DDE	6.194	6.092	6.292	44.570	50.000	-10.9
4,4'-DDT	7.025	6.924	7.124	46.760	50.000	-6.5
Aldrin	5.260	5.157	5.357	45.790	50.000	-8.4
alpha-BHC	3.997	3.894	4.094	47.920	50.000	-4.2
alpha-Chlordane	6.021	5.918	6.118	45.130	50.000	-9.7
beta-BHC	4.527	4.424	4.624	52.000	50.000	4.0
Decachlorobiphenyl	9.057	8.955	9.155	51.250	50.000	2.5
delta-BHC	4.774	4.671	4.871	46.560	50.000	-6.9
Dieldrin	6.347	6.245	6.445	45.190	50.000	-9.6
Endosulfan I	6.071	5.969	6.169	45.850	50.000	-8.3
Endosulfan II	6.795	6.694	6.894	46.080	50.000	-7.8
Endosulfan sulfate	7.160	7.059	7.259	46.660	50.000	-6.7
Endrin	6.576	6.474	6.674	44.700	50.000	-10.6
Endrin aldehyde	6.926	6.824	7.024	48.200	50.000	-3.6
Endrin ketone	7.646	7.544	7.744	48.360	50.000	-3.3
gamma-BHC (Lindane)	4.330	4.227	4.427	48.930	50.000	-2.1
gamma-Chlordane	5.942	5.839	6.039	44.680	50.000	-10.6
Heptachlor	4.918	4.815	5.015	47.520	50.000	-5.0
Heptachlor epoxide	5.684	5.583	5.783	46.660	50.000	-6.7
Methoxychlor	7.501	7.400	7.600	51.960	50.000	3.9
Tetrachloro-m-xylene	3.541	3.438	3.638	51.820	50.000	3.6

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/24/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092591.D **Time Analyzed:** 10:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.790	5.689	5.889	53.360	50.000	6.7
4,4'-DDE	5.236	5.134	5.334	55.100	50.000	10.2
4,4'-DDT	6.041	5.940	6.140	53.570	50.000	7.1
Aldrin	4.231	4.129	4.329	55.170	50.000	10.3
alpha-BHC	3.282	3.180	3.380	56.270	50.000	12.5
alpha-Chlordane	5.047	4.945	5.145	54.760	50.000	9.5
beta-BHC	3.912	3.810	4.010	54.310	50.000	8.6
Decachlorobiphenyl	7.918	7.817	8.017	58.240	50.000	16.5
delta-BHC	4.141	4.038	4.238	55.000	50.000	10.0
Dieldrin	5.368	5.266	5.466	54.110	50.000	8.2
Endosulfan I	5.103	5.001	5.201	55.770	50.000	11.5
Endosulfan II	5.938	5.836	6.036	52.620	50.000	5.2
Endosulfan sulfate	6.340	6.238	6.438	55.470	50.000	10.9
Endrin	5.643	5.541	5.741	53.080	50.000	6.2
Endrin aldehyde	6.117	6.016	6.216	53.640	50.000	7.3
Endrin ketone	6.844	6.744	6.944	57.030	50.000	14.1
gamma-BHC (Lindane)	3.612	3.510	3.710	56.090	50.000	12.2
gamma-Chlordane	4.984	4.881	5.081	53.600	50.000	7.2
Heptachlor	3.951	3.849	4.049	56.020	50.000	12.0
Heptachlor epoxide	4.733	4.631	4.831	55.710	50.000	11.4
Methoxychlor	6.616	6.515	6.715	58.450	50.000	16.9
Tetrachloro-m-xylene	2.779	2.677	2.877	56.670	50.000	13.3

Quantitation Report (QT Reviewed)

Sample Results: **PL092591.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092591.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 10:19
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 16:05:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.541	2.779	139.6E6	157.4E6	51.815	56.675
28)	SA	Decachlor...	9.057	7.918	104.1E6	153.5E6	51.248	58.242
		Target Compounds						
2)	A	alpha-BHC	3.997	3.282	197.5E6	242.8E6	47.925	56.270
3)	MA	gamma-BHC...	4.330	3.612	188.2E6	231.0E6	48.933	56.090
4)	MA	Heptachlor	4.918	3.951	168.5E6	225.0E6	47.522	56.021
5)	MB	Aldrin	5.260	4.231	168.5E6	219.3E6	45.794	55.171
6)	B	beta-BHC	4.527	3.912	80713518	94828196	51.995	54.313
7)	B	delta-BHC	4.774	4.141	175.2E6	231.3E6	46.559	55.001
8)	B	Heptachlo...	5.684	4.733	155.0E6	196.3E6	46.664m	55.709
9)	A	Endosulfan I	6.071	5.103	138.4E6	177.5E6	45.846	55.769
10)	B	gamma-Chl...	5.942	4.984	147.3E6	197.2E6	44.682	53.596
11)	B	alpha-Chl...	6.021	5.047	146.9E6	194.6E6	45.126	54.763
12)	B	4,4'-DDE	6.194	5.236	132.2E6	191.6E6	44.569	55.100
13)	MA	Dieldrin	6.347	5.368	146.9E6	197.7E6	45.185	54.112
14)	MA	Endrin	6.576	5.643	126.2E6	173.8E6	44.700	53.085
15)	B	Endosulfa...	6.795	5.938	130.4E6	164.5E6	46.077	52.624
16)	A	4,4'-DDD	6.712	5.790	107.6E6	148.2E6	44.539	53.356
17)	MA	4,4'-DDT	7.025	6.041	115.3E6	157.3E6	46.756	53.569
18)	B	Endrin al...	6.926	6.117	103.0E6	131.8E6	48.199	53.639
19)	B	Endosulfa...	7.160	6.340	117.9E6	164.0E6	46.660	55.471
20)	A	Methoxychlor	7.501	6.616	61193642	82879540	51.960	58.454
21)	B	Endrin ke...	7.646	6.844	133.0E6	183.2E6	48.361	57.025m
22)		Mirex	8.118	7.026	104.1E6	140.6E6	49.872	53.800

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092591.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 10:19
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

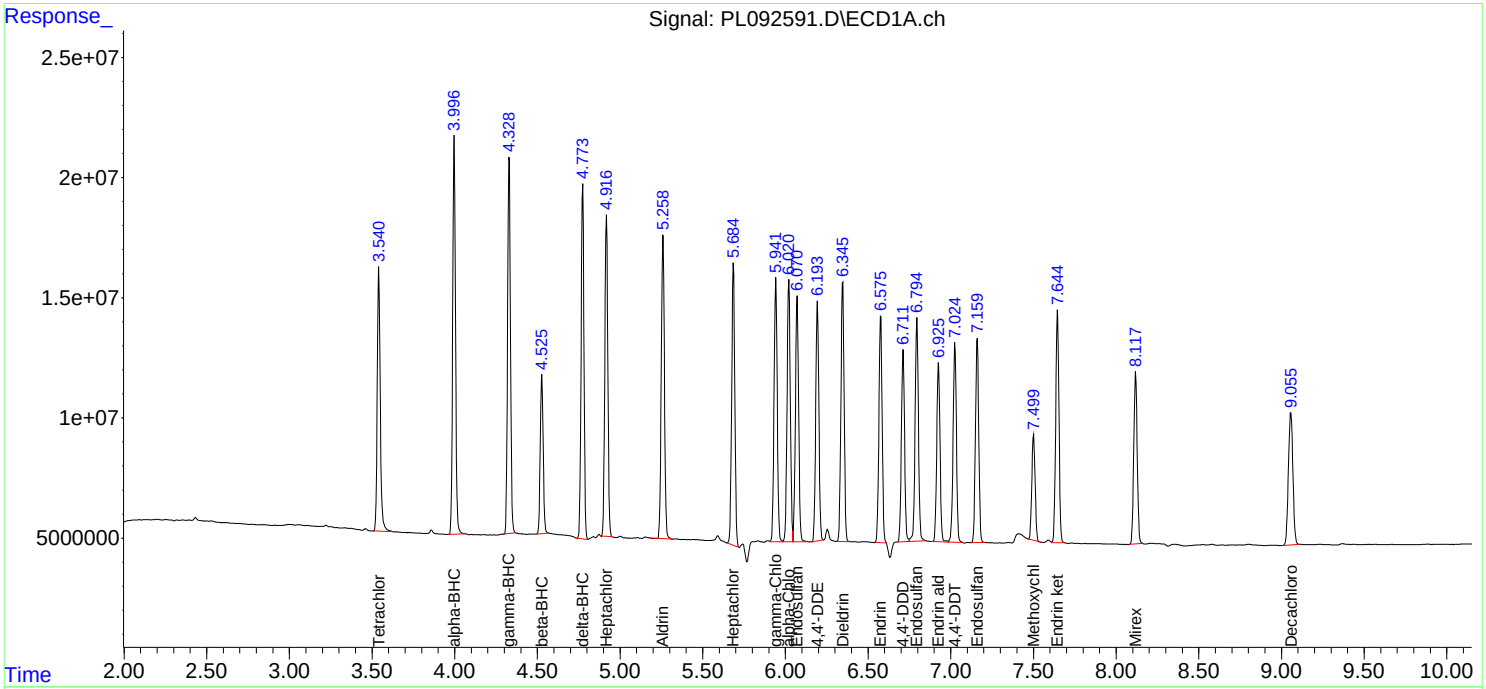
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

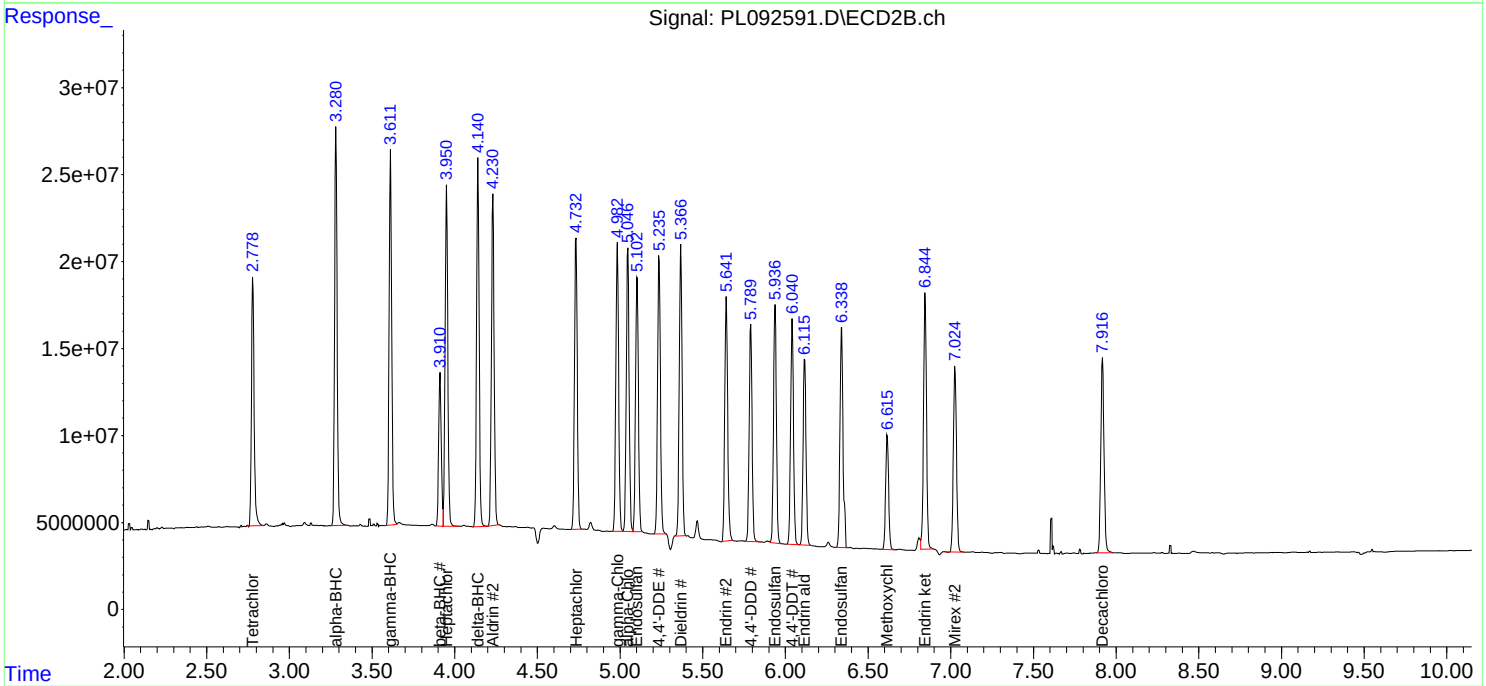
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 16:05:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





Raw Data: **PL092613.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 17:20 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.55	3.54	3.44	3.64	-0.01
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.53	4.52	4.42	4.62	-0.01
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.72	6.71	6.61	6.81	-0.01
Endosulfan sulfate	7.17	7.16	7.06	7.26	-0.01
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.51	7.50	7.40	7.60	-0.01
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

Raw Data: **PL092613.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 17:20 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.74	4.73	4.63	4.83	-0.01
Endosulfan I	5.11	5.10	5.00	5.20	-0.01
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.23	5.13	5.33	-0.01
Endrin	5.65	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.84	6.74	6.94	-0.01
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.99	4.98	4.88	5.08	-0.01

Raw Data: **PL092613.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL04 **Date Analyzed:** 10/24/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092613.D **Time Analyzed:** 17:20

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.717	6.610	6.810	44.000	50.000	-12.0
4,4'-DDE	6.200	6.092	6.292	42.900	50.000	-14.2
4,4'-DDT	7.031	6.924	7.124	44.660	50.000	-10.7
Aldrin	5.264	5.157	5.357	43.560	50.000	-12.9
alpha-BHC	4.003	3.894	4.094	45.660	50.000	-8.7
alpha-Chlordane	6.026	5.918	6.118	43.300	50.000	-13.4
beta-BHC	4.533	4.424	4.624	49.860	50.000	-0.3
Decachlorobiphenyl	9.061	8.955	9.155	49.250	50.000	-1.5
delta-BHC	4.780	4.671	4.871	45.280	50.000	-9.4
Dieldrin	6.350	6.245	6.445	42.880	50.000	-14.2
Endosulfan I	6.077	5.969	6.169	44.130	50.000	-11.7
Endosulfan II	6.801	6.694	6.894	43.530	50.000	-12.9
Endosulfan sulfate	7.166	7.059	7.259	44.870	50.000	-10.3
Endrin	6.582	6.474	6.674	42.050	50.000	-15.9
Endrin aldehyde	6.931	6.824	7.024	46.360	50.000	-7.3
Endrin ketone	7.650	7.544	7.744	46.450	50.000	-7.1
gamma-BHC (Lindane)	4.335	4.227	4.427	46.560	50.000	-6.9
gamma-Chlordane	5.948	5.839	6.039	43.260	50.000	-13.5
Heptachlor	4.922	4.815	5.015	45.870	50.000	-8.3
Heptachlor epoxide	5.690	5.583	5.783	43.230	50.000	-13.5
Methoxychlor	7.506	7.400	7.600	51.180	50.000	2.4
Tetrachloro-m-xylene	3.547	3.438	3.638	49.340	50.000	-1.3

Raw Data: **PL092613.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL04 **Date Analyzed:** 10/24/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092613.D **Time Analyzed:** 17:20

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.793	5.689	5.889	51.040	50.000	2.1
4,4'-DDE	5.238	5.134	5.334	52.810	50.000	5.6
4,4'-DDT	6.043	5.940	6.140	51.330	50.000	2.7
Aldrin	4.232	4.129	4.329	52.500	50.000	5.0
alpha-BHC	3.283	3.180	3.380	53.220	50.000	6.4
alpha-Chlordane	5.048	4.945	5.145	52.100	50.000	4.2
beta-BHC	3.912	3.810	4.010	52.170	50.000	4.3
Decachlorobiphenyl	7.920	7.817	8.017	53.280	50.000	6.6
delta-BHC	4.142	4.038	4.238	52.820	50.000	5.6
Dieldrin	5.369	5.266	5.466	52.060	50.000	4.1
Endosulfan I	5.105	5.001	5.201	53.500	50.000	7.0
Endosulfan II	5.938	5.836	6.036	50.110	50.000	0.2
Endosulfan sulfate	6.342	6.238	6.438	50.150	50.000	0.3
Endrin	5.645	5.541	5.741	51.590	50.000	3.2
Endrin aldehyde	6.119	6.016	6.216	50.880	50.000	1.8
Endrin ketone	6.846	6.744	6.944	52.380	50.000	4.8
gamma-BHC (Lindane)	3.613	3.510	3.710	53.810	50.000	7.6
gamma-Chlordane	4.985	4.881	5.081	51.110	50.000	2.2
Heptachlor	3.952	3.849	4.049	53.550	50.000	7.1
Heptachlor epoxide	4.735	4.631	4.831	53.230	50.000	6.5
Methoxychlor	6.619	6.515	6.715	56.150	50.000	12.3
Tetrachloro-m-xylene	2.779	2.677	2.877	54.610	50.000	9.2

Quantitation Report (QT Reviewed)

Sample Results: **PL092613.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 17:20
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 01:30:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.547	2.779	132.9E6	151.7E6	49.342	54.610
28)	SA	Decachlor...	9.061	7.920	100.0E6	140.4E6	49.247m	53.284
		Target Compounds						
2)	A	alpha-BHC	4.003	3.283	188.2E6	229.6E6	45.664	53.219
3)	MA	gamma-BHC...	4.335	3.613	179.1E6	221.6E6	46.556	53.813
4)	MA	Heptachlor	4.922	3.952	162.7E6	215.1E6	45.872m	53.554
5)	MB	Aldrin	5.264	4.232	160.2E6	208.7E6	43.557m	52.498
6)	B	beta-BHC	4.533	3.912	77394721	91091357	49.857	52.173
7)	B	delta-BHC	4.780	4.142	170.3E6	222.2E6	45.278	52.816
8)	B	Heptachlo...	5.690	4.735	143.6E6	187.6E6	43.232m	53.229
9)	A	Endosulfan I	6.077	5.105	133.2E6	170.3E6	44.128	53.501
10)	B	gamma-Chl...	5.948	4.985	142.6E6	188.0E6	43.264	51.108
11)	B	alpha-Chl...	6.026	5.048	141.0E6	185.2E6	43.301	52.099
12)	B	4,4'-DDE	6.200	5.238	127.2E6	183.6E6	42.897	52.807
13)	MA	Dieldrin	6.350	5.369	139.4E6	190.2E6	42.878m	52.056
14)	MA	Endrin	6.582	5.645	118.7E6	169.0E6	42.049	51.593
15)	B	Endosulfa...	6.801	5.938	123.2E6	156.6E6	43.528	50.108m
16)	A	4,4'-DDD	6.717	5.793	106.3E6	141.8E6	43.999	51.043
17)	MA	4,4'-DDT	7.031	6.043	110.1E6	150.7E6	44.656	51.329
18)	B	Endrin al...	6.931	6.119	99030949	125.0E6	46.361	50.882
19)	B	Endosulfa...	7.166	6.342	113.4E6	148.2E6	44.869	50.146
20)	A	Methoxychlor	7.506	6.619	60277346	79615723	51.182	56.152
21)	B	Endrin ke...	7.650	6.846	127.7E6	168.2E6	46.448	52.376m
22)		Mirex	8.123	7.028	99294538	138.8E6	47.586	53.100

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

Sample Results: **PL092613.D**

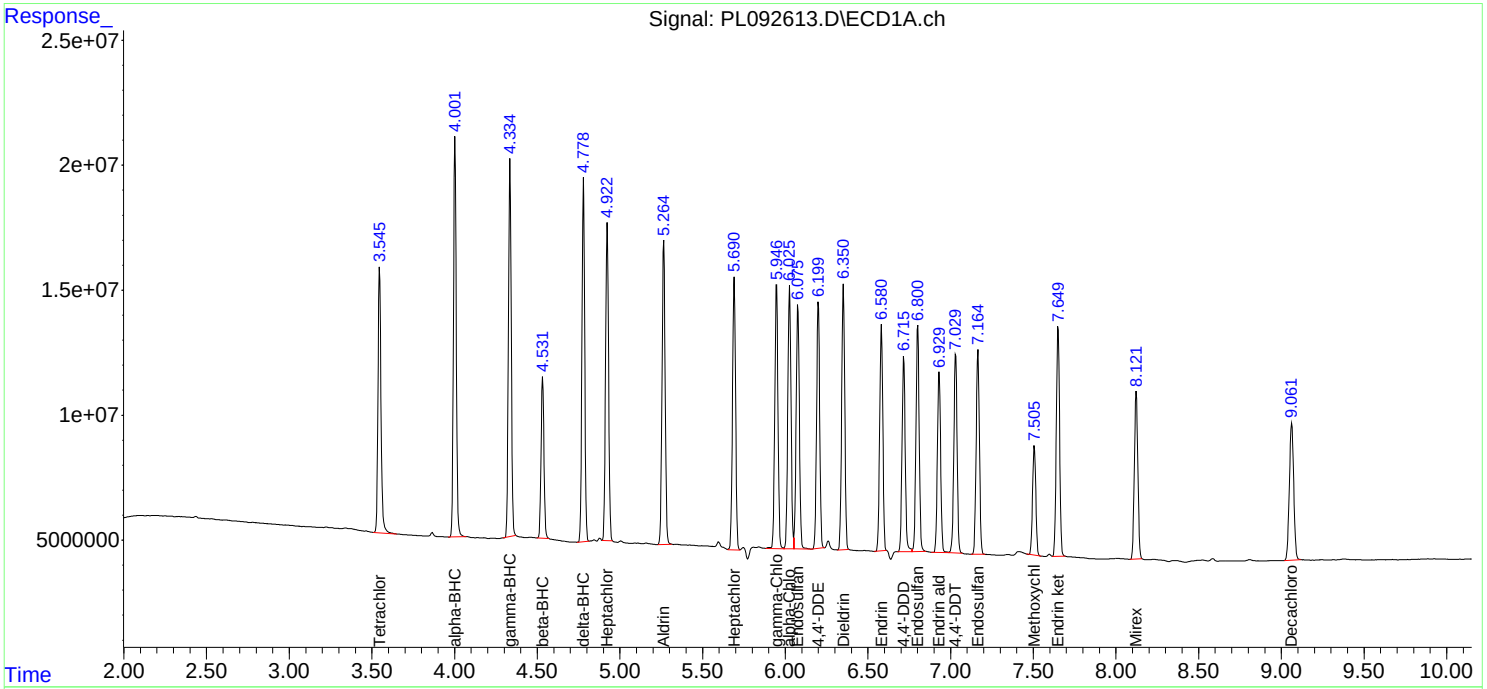
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 17:20
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

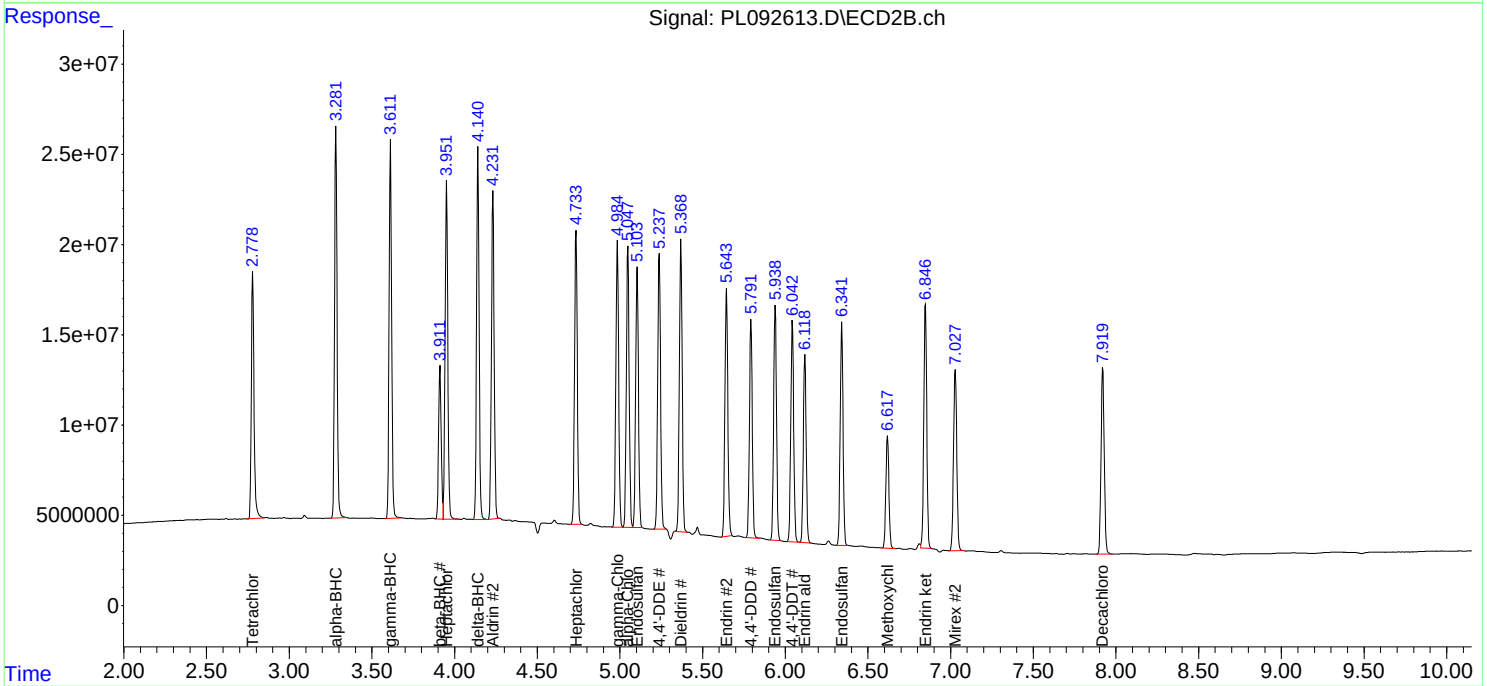
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 01:30:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092495.D **Date Analyzed:** 10/21/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:33

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.056	8.960	9.160	19.690	20.000	-1.6
Tetrachloro-m-xylene	3.539	3.490	3.590	19.690	20.000	-1.6
alpha-BHC	3.995	3.940	4.050	10.390	10.000	3.9
beta-BHC	4.525	4.470	4.580	9.750	10.000	-2.5
gamma-BHC (Lindane)	4.327	4.280	4.380	9.890	10.000	-1.1
Endrin	6.575	6.500	6.650	44.220	50.000	-11.6
4,4'-DDT	7.025	6.950	7.100	91.010	100.000	-9.0
Methoxychlor	7.501	7.430	7.570	222.860	250.000	-10.9

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092495.D **Date Analyzed:** 10/21/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:33

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	19.360	20.000	-3.2
Tetrachloro-m-xylene	2.777	2.730	2.830	19.090	20.000	-4.6
alpha-BHC	3.280	3.230	3.330	9.580	10.000	-4.2
beta-BHC	3.910	3.860	3.960	11.410	10.000	14.1
gamma-BHC (Lindane)	3.610	3.560	3.660	9.570	10.000	-4.3
Endrin	5.642	5.570	5.710	45.220	50.000	-9.6
4,4'-DDT	6.041	5.970	6.110	97.030	100.000	-3.0
Methoxychlor	6.616	6.550	6.690	226.150	250.000	-9.5

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092495.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 12:33
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:13:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.539	2.777	53047995	53014219	19.692	19.087
28) SA	Decachlor...	9.056	7.918	40001547	51014840	19.694	19.361
	Target Compounds						
2) A	alpha-BHC	3.995	3.280	42802855	41326102	10.386	9.577
3) MA	gamma-BHC...	4.327	3.610	38029912	39418198	9.886	9.572
6) B	beta-BHC	4.525	3.910	15139121	19916261	9.753	11.407
14) MA	Endrin	6.575	5.642	124.9E6	148.1E6	44.218	45.223
16) A	4,4'-DDD	6.711	5.791	1495040	2492414	0.619m	0.897m#
17) MA	4,4'-DDT	7.025	6.041	224.4E6	285.0E6	91.008	97.029
18) B	Endrin al...	6.922	6.116	2666257	4353504	1.248m	1.772 #
20) A	Methoxychlor	7.501	6.616	262.5E6	320.6E6	222.858	226.145
21) B	Endrin ke...	7.643	6.843	5287820	6438801	1.923	2.005m

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

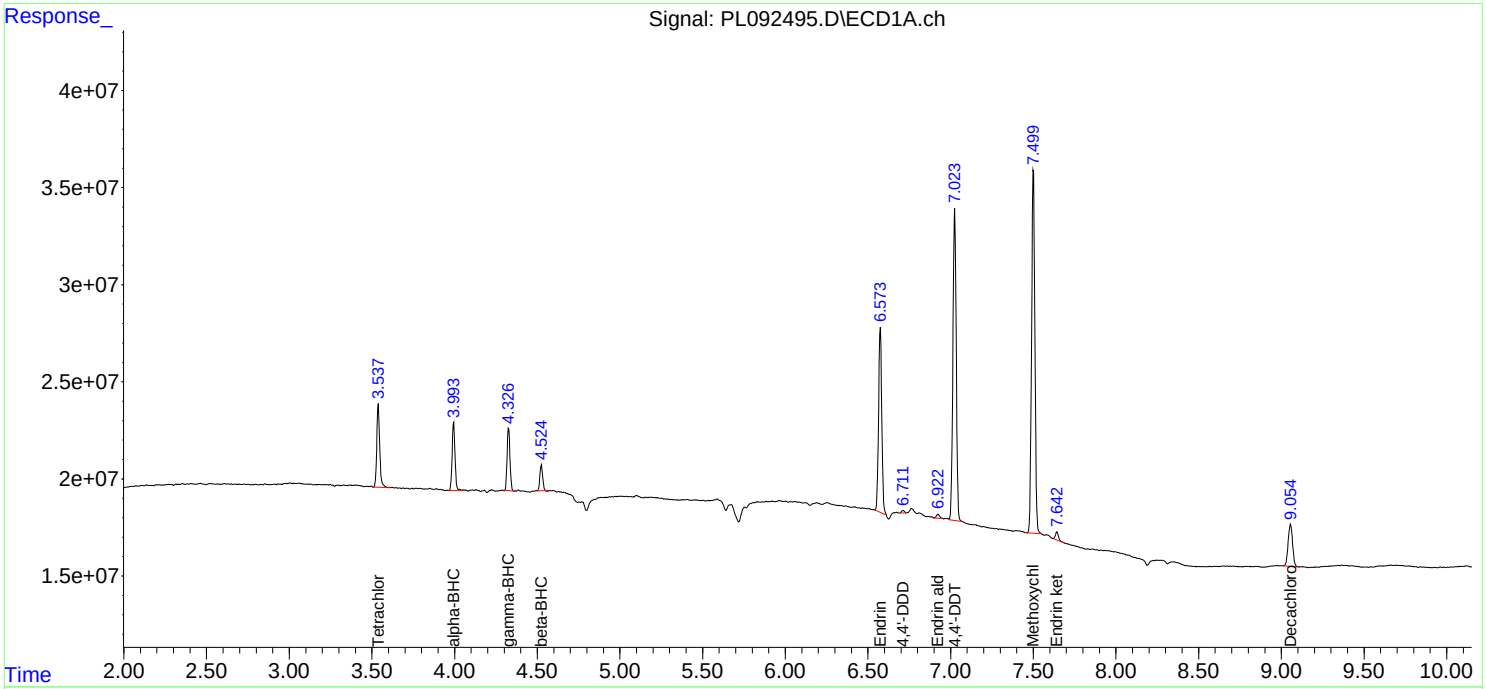
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092495.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 12:33
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

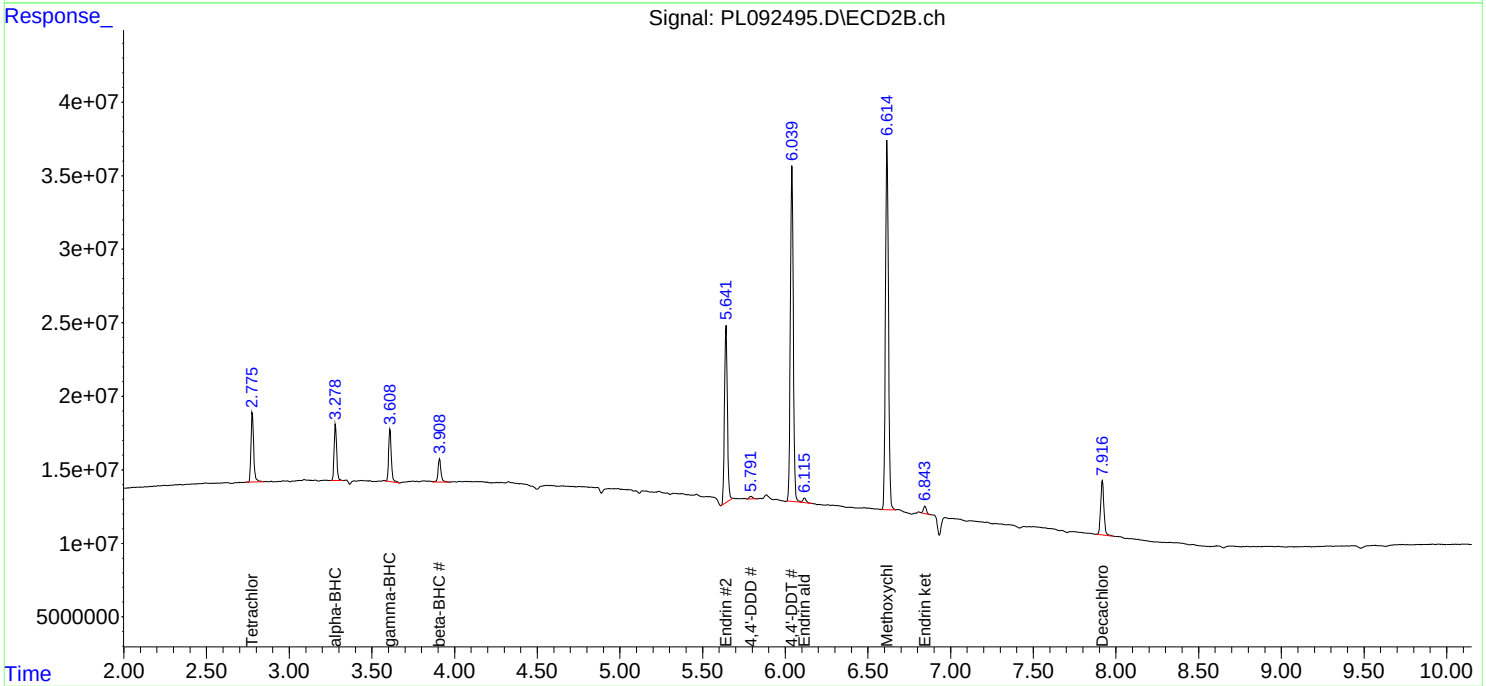
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:13:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092552.D **Date Analyzed:** 10/23/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:38

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.057	8.960	9.160	18.320	20.000	-8.4
Tetrachloro-m-xylene	3.541	3.490	3.590	18.540	20.000	-7.3
alpha-BHC	3.997	3.950	4.050	8.600	10.000	-14.0
beta-BHC	4.527	4.480	4.580	10.160	10.000	1.6
gamma-BHC (Lindane)	4.330	4.280	4.380	8.720	10.000	-12.8
Endrin	6.575	6.500	6.650	34.870	50.000	-30.3
4,4'-DDT	7.026	6.960	7.100	73.660	100.000	-26.3
Methoxychlor	7.502	7.430	7.570	194.550	250.000	-22.2

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092552.D **Date Analyzed:** 10/23/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:38

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	20.250	20.000	1.3
Tetrachloro-m-xylene	2.780	2.730	2.830	19.380	20.000	-3.1
alpha-BHC	3.282	3.230	3.330	8.770	10.000	-12.3
beta-BHC	3.911	3.860	3.960	10.160	10.000	1.6
gamma-BHC (Lindane)	3.612	3.560	3.660	8.540	10.000	-14.6
Endrin	5.643	5.570	5.710	42.520	50.000	-15.0
4,4'-DDT	6.041	5.970	6.110	94.330	100.000	-5.7
Methoxychlor	6.616	6.550	6.690	227.710	250.000	-8.9

PEM

Data File: PL092552.D **Date Acquired** 10/23/2024 8:38

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
					Down
Endrin	6.57	98451087.35	106202180.2	7751092.87	**7.30**
Endrin aldehyde	6.92	2589907.814			
Endrin ketone	7.64	5161185.055			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	139259469.1	149111741.8	9852272.63	**6.61**
Endrin aldehyde #2	6.12	3665553.597			
Endrin ketone #2	6.84	6186719.037			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	181659622.3	184108962	2449339.75	**1.33**
4,4'-DDE	6.19	298824.082			
4,4'-DDD	6.71	2150515.672			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.04	277039206	280204643.4	3165437.41	**1.13**
4,4'-DDE #2	5.24	492263.456			
4,4'-DDD #2	5.79	2673173.959			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102324\
Data File : PL092552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 08:38
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 01:18:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.541	2.780	49953448	53834697	18.544	19.383
28) SA	Decachlor...	9.057	7.918	37210194	53346250	18.320	20.245
	Target Compounds						
2) A	alpha-BHC	3.997	3.282	35459662	37846335	8.604	8.771
3) MA	gamma-BHC...	4.330	3.612	33536502	35188261	8.718	8.545
6) B	beta-BHC	4.527	3.911	15778499	17739744	10.164	10.160
12) B	4,4'-DDE	6.192	5.236	298824	492263	0.101m	0.142m#
14) MA	Endrin	6.575	5.643	98451087	139.3E6	34.865m	42.523
16) A	4,4'-DDD	6.711	5.790	2150516	2673174	0.890m	0.962m
17) MA	4,4'-DDT	7.026	6.041	181.7E6	277.0E6	73.664	94.329 #
18) B	Endrin al...	6.924	6.117	2589908	3665554	1.212m	1.492
20) A	Methoxychlor	7.502	6.616	229.1E6	322.9E6	194.555	227.713
21) B	Endrin ke...	7.645	6.844	5161185	6186719	1.877	1.926

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102324\
Data File : PL092552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 08:38
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

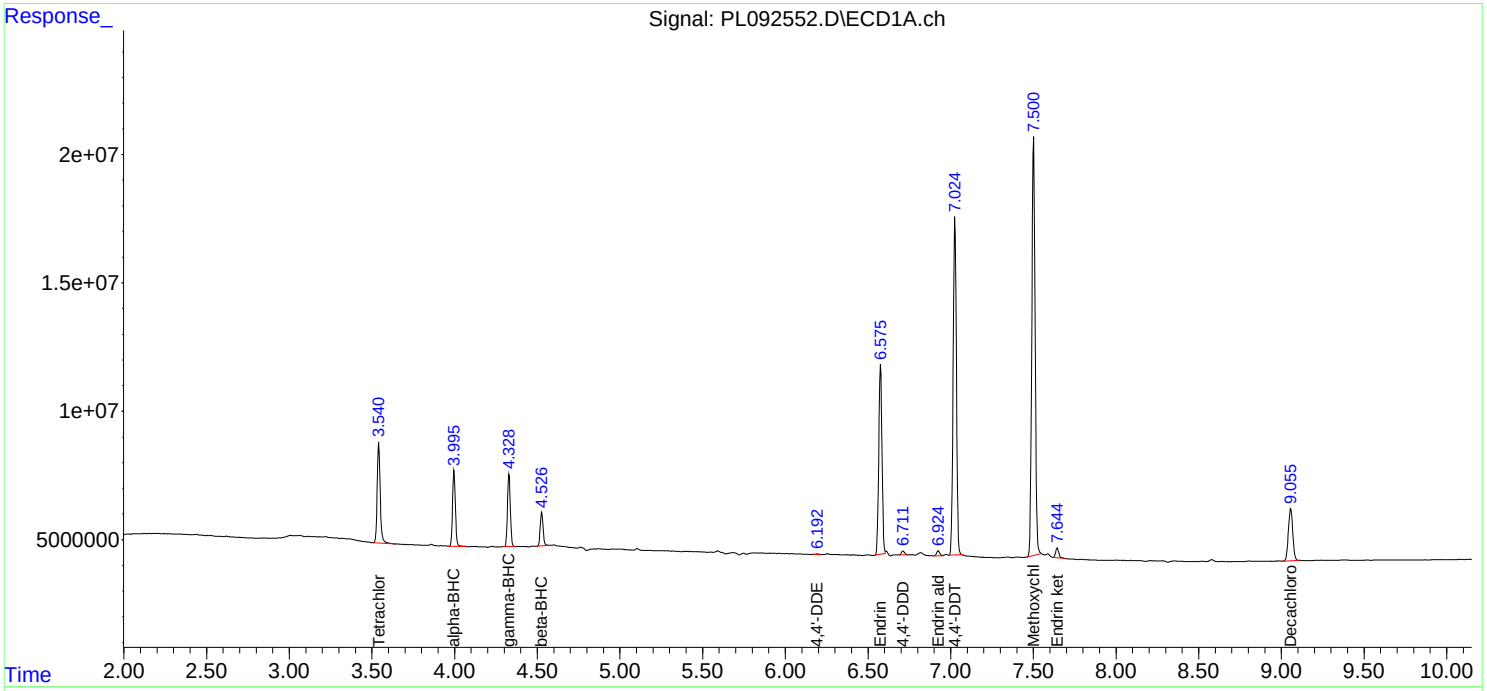
Instrument :
ECD_L
ClientSampleId :
PEM

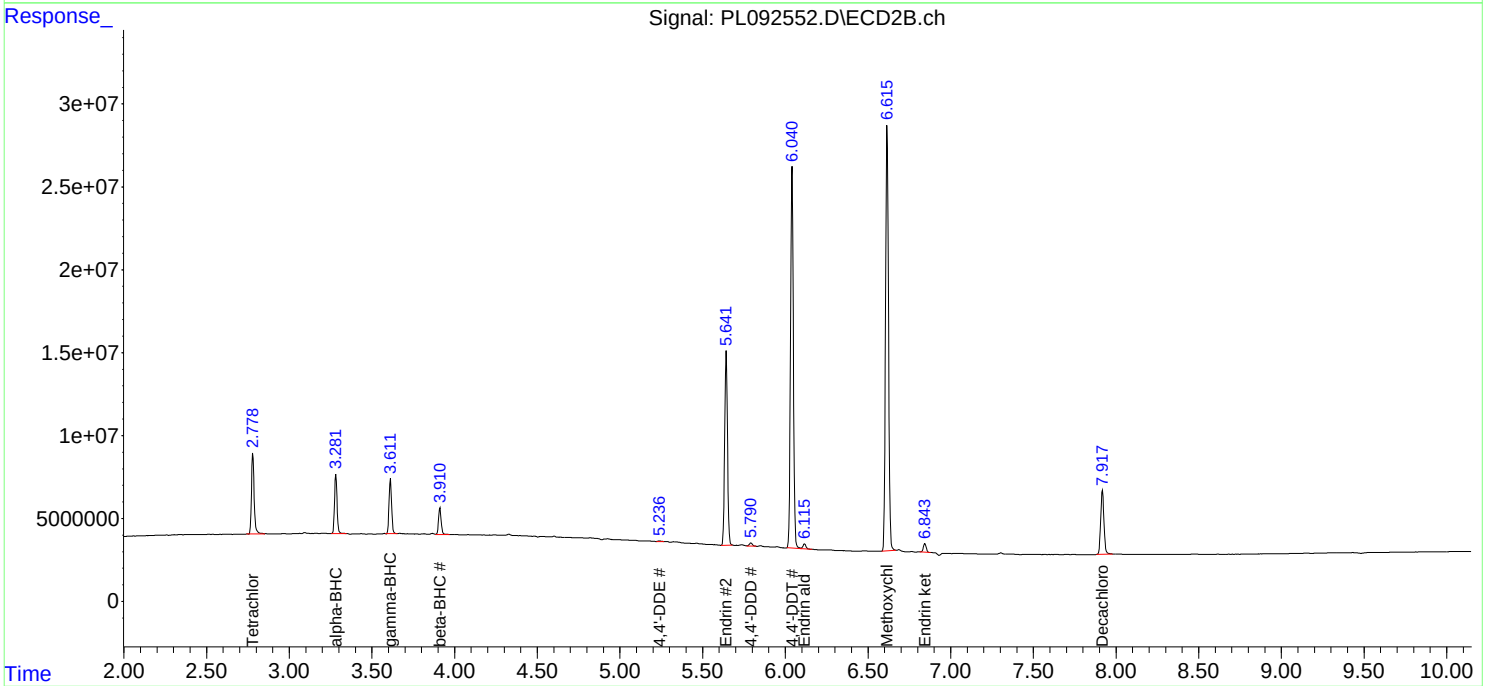
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 01:18:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092590.D **Date Analyzed:** 10/24/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:06

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.058	8.960	9.160	19.320	20.000	-3.4
Tetrachloro-m-xylene	3.541	3.490	3.590	19.300	20.000	-3.5
alpha-BHC	3.997	3.950	4.050	9.060	10.000	-9.4
beta-BHC	4.527	4.480	4.580	10.490	10.000	4.9
gamma-BHC (Lindane)	4.329	4.280	4.380	9.110	10.000	-8.9
Endrin	6.577	6.510	6.650	36.800	50.000	-26.4
4,4'-DDT	7.026	6.960	7.100	80.280	100.000	-19.7
Methoxychlor	7.503	7.430	7.570	215.310	250.000	-13.9

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092590.D **Date Analyzed:** 10/24/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:06

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	21.540	20.000	7.7
Tetrachloro-m-xylene	2.779	2.730	2.830	19.600	20.000	-2.0
alpha-BHC	3.282	3.230	3.330	9.140	10.000	-8.6
beta-BHC	3.911	3.860	3.960	10.700	10.000	7.0
gamma-BHC (Lindane)	3.612	3.560	3.660	8.890	10.000	-11.1
Endrin	5.643	5.570	5.710	43.270	50.000	-13.5
4,4'-DDT	6.041	5.970	6.110	98.890	100.000	-1.1
Methoxychlor	6.616	6.550	6.690	247.330	250.000	-1.1

PEM
Data File: PL092590.D **Date Acquired** ###############
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
					Down
Endrin	6.58	103909892.6	111941801.8	8031909.2	**7.18**
Endrin aldehyde	6.93	2742208.696			
Endrin ketone	7.65	5289700.505			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	141712006.9	152950447.7	11238440.8	**7.35**
Endrin aldehyde #2	6.12	4126903.404			
Endrin ketone #2	6.84	7111537.414			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	197980094	199684821.6	1704727.56	**0.85**
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	1704727.562			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.04	290426085.4	292095130.2	1669044.82	**0.57**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.79	1669044.817			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 10:06
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 16:05:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.541	2.779	51988149	54439124	19.299	19.600
28) SA	Decachlor...	9.058	7.918	39233872	56761742	19.316	21.542
	Target Compounds						
2) A	alpha-BHC	3.997	3.282	37348555	39427968	9.062	9.137
3) MA	gamma-BHC...	4.329	3.612	35039912	36602081	9.109	8.888
6) B	beta-BHC	4.527	3.911	16290971	18686648	10.495	10.703
14) MA	Endrin	6.577	5.643	103.9E6	141.7E6	36.799	43.272
16) A	4,4'-DDD	6.714	5.791	1704728	1669045	0.706	0.601m
17) MA	4,4'-DDT	7.026	6.041	198.0E6	290.4E6	80.282	98.887
18) B	Endrin al...	6.926	6.117	2742209	4126903	1.284	1.680 #
20) A	Methoxychlor	7.503	6.616	253.6E6	350.7E6	215.314	247.329
21) B	Endrin ke...	7.645	6.843	5289701	7111537	1.924	2.214m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 10:06
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
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Quant Time: Oct 24 16:05:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
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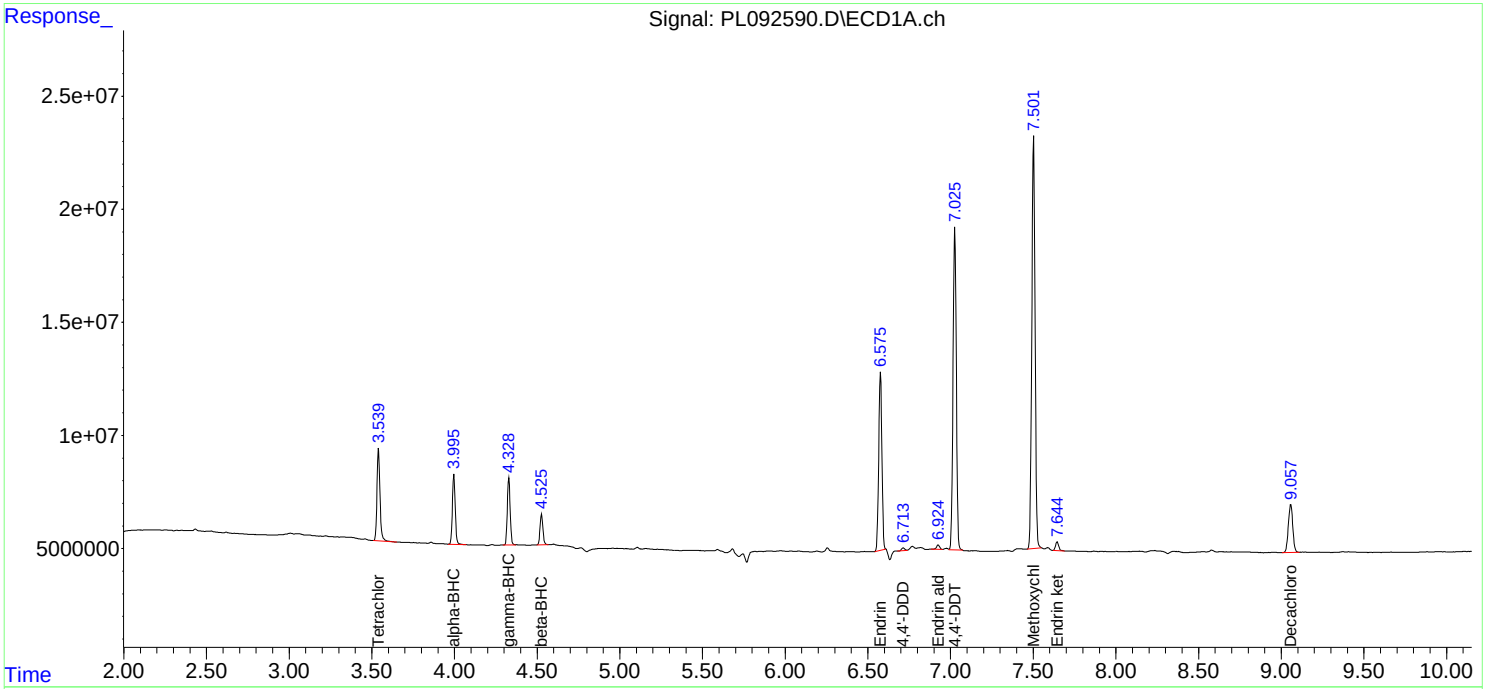
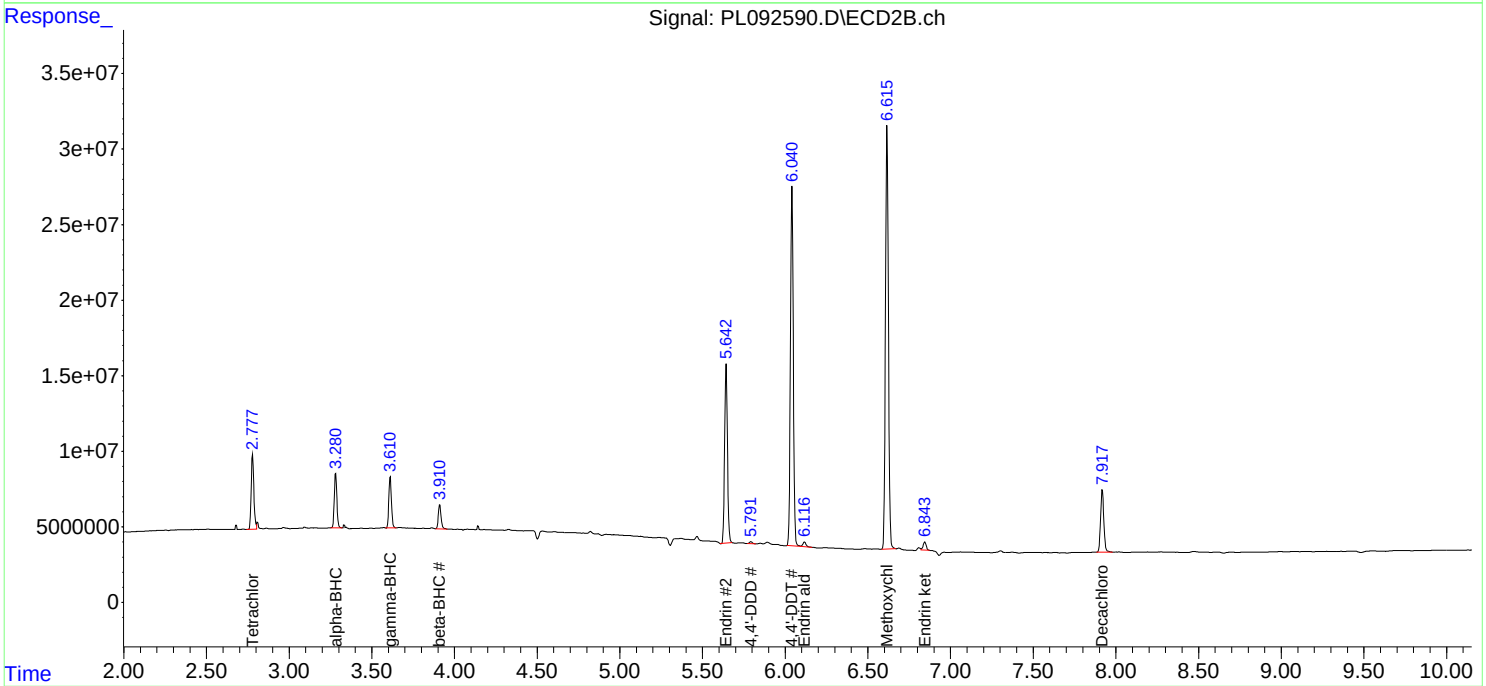
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





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

Analytical Sequence

Client: Yannuzzi Group, Inc. **SDG No.:** P4474

Project: 86 Davidson Road, Piscataway, NJ **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/21/2024 10/21/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/21/2024	12:19	PL092494.D	9.06	3.54
PEM	PEM	10/21/2024	12:33	PL092495.D	9.06	3.54
RESCHK	RESCHK	10/21/2024	12:46	PL092496.D	9.06	3.54
PSTDICC100	PSTDICC100	10/21/2024	13:00	PL092497.D	9.06	3.54
PSTDICC075	PSTDICC075	10/21/2024	13:13	PL092498.D	9.06	3.54
PSTDICC050	PSTDICC050	10/21/2024	13:26	PL092499.D	9.06	3.54
PSTDICC025	PSTDICC025	10/21/2024	13:40	PL092500.D	9.05	3.54
PSTDICC005	PSTDICC005	10/21/2024	13:53	PL092501.D	9.06	3.54
PCHLORICC500	PCHLORICC500	10/21/2024	14:33	PL092504.D	9.06	3.54
PTOXICC500	PTOXICC500	10/21/2024	15:40	PL092509.D	9.06	3.54
I.BLK	I.BLK	10/23/2024	08:24	PL092551.D	9.06	3.54
PEM	PEM	10/23/2024	08:38	PL092552.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/23/2024	09:38	PL092553.D	9.06	3.54
PB164311BL	PB164311BL	10/23/2024	09:52	PL092554.D	9.06	3.54
PB164311BS	PB164311BS	10/23/2024	13:33	PL092555.D	9.06	3.55
TS-2	P4474-01	10/23/2024	14:01	PL092557.D	9.06	3.54
I.BLK	I.BLK	10/23/2024	17:56	PL092566.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/23/2024	18:50	PL092568.D	9.06	3.54
I.BLK	I.BLK	10/24/2024	09:53	PL092589.D	9.06	3.54
PEM	PEM	10/24/2024	10:06	PL092590.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/24/2024	10:19	PL092591.D	9.06	3.54
BP-F-28MS	P4472-01MS	10/24/2024	11:35	PL092595.D	9.06	3.54
BP-F-28MSD	P4472-01MSD	10/24/2024	11:49	PL092596.D	9.06	3.54
I.BLK	I.BLK	10/24/2024	16:48	PL092612.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/24/2024	17:20	PL092613.D	9.06	3.55

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Analytical Sequence

Client: Yannuzzi Group, Inc. **SDG No.:** P4474

Project: 86 Davidson Road, Piscataway, NJ **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/21/2024 10/21/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/21/2024	12:19	PL092494.D	7.92	2.78
PEM	PEM	10/21/2024	12:33	PL092495.D	7.92	2.78
RESCHK	RESCHK	10/21/2024	12:46	PL092496.D	7.92	2.78
PSTDICC100	PSTDICC100	10/21/2024	13:00	PL092497.D	7.92	2.78
PSTDICC075	PSTDICC075	10/21/2024	13:13	PL092498.D	7.92	2.78
PSTDICC050	PSTDICC050	10/21/2024	13:26	PL092499.D	7.92	2.78
PSTDICC025	PSTDICC025	10/21/2024	13:40	PL092500.D	7.92	2.78
PSTDICC005	PSTDICC005	10/21/2024	13:53	PL092501.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/21/2024	14:33	PL092504.D	7.92	2.78
PTOXICC500	PTOXICC500	10/21/2024	15:40	PL092509.D	7.92	2.78
I.BLK	I.BLK	10/23/2024	08:24	PL092551.D	7.92	2.78
PEM	PEM	10/23/2024	08:38	PL092552.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/23/2024	09:38	PL092553.D	7.92	2.78
PB164311BL	PB164311BL	10/23/2024	09:52	PL092554.D	7.92	2.78
PB164311BS	PB164311BS	10/23/2024	13:33	PL092555.D	7.92	2.78
TS-2	P4474-01	10/23/2024	14:01	PL092557.D	7.92	2.78
I.BLK	I.BLK	10/23/2024	17:56	PL092566.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/23/2024	18:50	PL092568.D	7.92	2.78
I.BLK	I.BLK	10/24/2024	09:53	PL092589.D	7.92	2.78
PEM	PEM	10/24/2024	10:06	PL092590.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/24/2024	10:19	PL092591.D	7.92	2.78
BP-F-28MS	P4472-01MS	10/24/2024	11:35	PL092595.D	7.92	2.78
BP-F-28MSD	P4472-01MSD	10/24/2024	11:49	PL092596.D	7.92	2.78
I.BLK	I.BLK	10/24/2024	16:48	PL092612.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/24/2024	17:20	PL092613.D	7.92	2.78

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-28MS

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Lab Sample ID: P4472-01MS **Date(s) Analyzed:** 10/24/2024 10/24/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.80	6.75	6.85	13.8	8.3
	2	5.94	5.89	5.99	15.0	
4,4'-DDD	1	6.71	6.66	6.76	13.5	4.3
	2	5.79	5.74	5.84	14.1	
4,4'-DDT	1	7.03	6.98	7.08	14.4	2.1
	2	6.04	5.99	6.09	14.7	
Endrin aldehyde	1	6.93	6.88	6.98	14.0	0.7
	2	6.12	6.07	6.17	13.9	
Endosulfan sulfate	1	7.16	7.11	7.21	14.2	1.4
	2	6.34	6.29	6.39	14.4	
alpha-BHC	1	4.00	3.95	4.05	11.2	2.7
	2	3.28	3.23	3.33	10.9	
Aldrin	1	5.26	5.21	5.31	12.5	0
	2	4.23	4.18	4.28	12.5	
beta-BHC	1	4.53	4.48	4.58	12.4	5.8
	2	3.91	3.86	3.96	11.7	
delta-BHC	1	4.77	4.72	4.82	11.5	4.3
	2	4.14	4.09	4.19	12.0	
Endosulfan I	1	6.07	6.02	6.12	13.7	2.2
	2	5.10	5.05	5.15	13.4	
alpha-Chlordane	1	6.02	5.97	6.07	13.1	7.4
	2	5.05	5.00	5.10	14.1	
4,4'-DDE	1	6.19	6.14	6.24	12.1	7.9
	2	5.24	5.19	5.29	13.1	
Dieldrin	1	6.35	6.30	6.40	12.7	6.8
	2	5.37	5.32	5.42	13.6	
Endrin	1	6.58	6.53	6.63	13.2	13.4
	2	5.64	5.59	5.69	15.1	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-28MS

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Lab Sample ID: P4472-01MS **Date(s) Analyzed:** 10/24/2024 10/24/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.50	7.45	7.55	16.4	1.2
	2	6.62	6.57	6.67	16.6	
Endrin ketone	1	7.65	7.60	7.70	14.6	2.1
	2	6.85	6.80	6.90	14.3	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	12.3	4.1
	2	3.61	3.56	3.66	11.8	
Heptachlor	1	4.92	4.87	4.97	12.8	3.2
	2	3.95	3.90	4.00	12.4	
Heptachlor epoxide	1	5.69	5.64	5.74	12.1	11.7
	2	4.73	4.68	4.78	13.6	
gamma-Chlordane	1	5.94	5.89	5.99	12.7	13.2
	2	4.98	4.93	5.03	14.5	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-28MSD

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Lab Sample ID: P4472-01MSD **Date(s) Analyzed:** 10/24/2024 10/24/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.80	6.75	6.85	14.0	10.2
	2	5.94	5.89	5.99	15.5	
4,4'-DDD	1	6.71	6.66	6.76	13.7	9.1
	2	5.79	5.74	5.84	15.0	
4,4'-DDT	1	7.03	6.98	7.08	14.9	4.6
	2	6.04	5.99	6.09	15.6	
Endrin aldehyde	1	6.93	6.88	6.98	14.4	3.4
	2	6.12	6.07	6.17	14.9	
Endosulfan sulfate	1	7.16	7.11	7.21	14.4	4.7
	2	6.34	6.29	6.39	15.1	
Methoxychlor	1	7.50	7.45	7.55	17.0	0.6
	2	6.62	6.57	6.67	17.1	
Endrin ketone	1	7.65	7.60	7.70	15.1	4.5
	2	6.85	6.80	6.90	15.8	
alpha-BHC	1	4.00	3.95	4.05	11.5	9.1
	2	3.28	3.23	3.33	10.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	12.3	3.3
	2	3.61	3.56	3.66	11.9	
Heptachlor	1	4.92	4.87	4.97	12.9	3.1
	2	3.95	3.90	4.00	12.5	
Aldrin	1	5.26	5.21	5.31	12.4	0.8
	2	4.23	4.18	4.28	12.5	
beta-BHC	1	4.53	4.48	4.58	12.3	0
	2	3.91	3.86	3.96	12.3	
delta-BHC	1	4.77	4.72	4.82	11.5	0
	2	4.14	4.09	4.19	11.5	
Heptachlor epoxide	1	5.69	5.64	5.74	11.8	17.8
	2	4.73	4.68	4.78	14.1	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-28MSD

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Lab Sample ID: P4472-01MSD **Date(s) Analyzed:** 10/24/2024 10/24/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	12.8	14.5
	2	5.10	5.05	5.15	14.8	
gamma-Chlordane	1	5.94	5.89	5.99	12.9	14.4
	2	4.98	4.93	5.03	14.9	
alpha-Chlordane	1	6.02	5.97	6.07	13.5	6.5
	2	5.05	5.00	5.10	14.4	
4,4'-DDE	1	6.20	6.15	6.25	12.6	3.9
	2	5.24	5.19	5.29	13.1	
Dieldrin	1	6.35	6.30	6.40	13.0	6
	2	5.37	5.32	5.42	13.8	
Endrin	1	6.58	6.53	6.63	13.4	11.3
	2	5.64	5.59	5.69	15.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164311BS

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Lab Sample ID: PB164311BS **Date(s) Analyzed:** 10/23/2024 10/23/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.80	6.75	6.85	14.7	15.1
	2	5.94	5.89	5.99	17.1	
4,4'-DDD	1	6.72	6.67	6.77	14.6	16.9
	2	5.79	5.74	5.84	17.3	
4,4'-DDT	1	7.03	6.98	7.08	13.8	14.1
	2	6.04	5.99	6.09	15.9	
Endrin aldehyde	1	6.93	6.88	6.98	15.6	12
	2	6.12	6.07	6.17	17.6	
Endosulfan sulfate	1	7.16	7.11	7.21	15.0	13.1
	2	6.34	6.29	6.39	17.1	
Methoxychlor	1	7.51	7.46	7.56	15.6	10.9
	2	6.62	6.57	6.67	17.4	
Endrin ketone	1	7.65	7.60	7.70	15.6	15.9
	2	6.85	6.80	6.90	18.3	
alpha-BHC	1	4.00	3.95	4.05	14.4	14.8
	2	3.28	3.23	3.33	16.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.6	14.6
	2	3.61	3.56	3.66	16.9	
Heptachlor	1	4.92	4.87	4.97	14.5	17
	2	3.95	3.90	4.00	17.2	
Aldrin	1	5.26	5.21	5.31	14.1	19.8
	2	4.23	4.18	4.28	17.2	
beta-BHC	1	4.53	4.48	4.58	15.9	7.3
	2	3.91	3.86	3.96	17.1	
delta-BHC	1	4.78	4.73	4.83	14.7	13.3
	2	4.14	4.09	4.19	16.8	
Heptachlor epoxide	1	5.69	5.64	5.74	14.5	21
	2	4.73	4.68	4.78	17.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164311BS

Contract: YANN01

Lab Code: CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

Lab Sample ID: PB164311BS **Date(s) Analyzed:** 10/23/2024 10/23/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.08	6.03	6.13	14.5	22.1
	2	5.10	5.05	5.15	18.1	
gamma-Chlordane	1	5.95	5.90	6.00	14.4	17.7
	2	4.98	4.93	5.03	17.2	
alpha-Chlordane	1	6.03	5.98	6.08	14.3	20.7
	2	5.05	5.00	5.10	17.6	
4,4'-DDE	1	6.20	6.15	6.25	14.0	21.1
	2	5.24	5.19	5.29	17.3	
Dieldrin	1	6.35	6.30	6.40	14.3	19
	2	5.37	5.32	5.42	17.3	
Endrin	1	6.58	6.53	6.63	13.5	20
	2	5.64	5.59	5.69	16.5	

QC SAMPLE DATA

Raw Data: **PL092554.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	PB164311BL	SDG No.:	P4474
Lab Sample ID:	PB164311BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092554.D	1	10/22/24 10:10	10/23/24 09:52	PB164311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.49	U	0.49	1.70	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.13	U	0.13	1.70	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.70	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.38	U	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.17	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.5		30 (10) - 150 (148)	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		30 (10) - 150 (159)	86%	SPK: 20

Raw Data: **PL092554.D**

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	PB164311BL	SDG No.:	P4474
Lab Sample ID:	PB164311BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092554.D	1	10/22/24 10:10	10/23/24 09:52	PB164311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **PL092554.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102324\
Data File : PL092554.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 09:52
Operator : AR\AJ
Sample : PL164311BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164311BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 02:47:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.541	2.779	43904864	47943616	16.298	17.262
28)	SA Decachlor...	9.056	7.917	35444599	51315921	17.451	19.475
	Target Compounds						

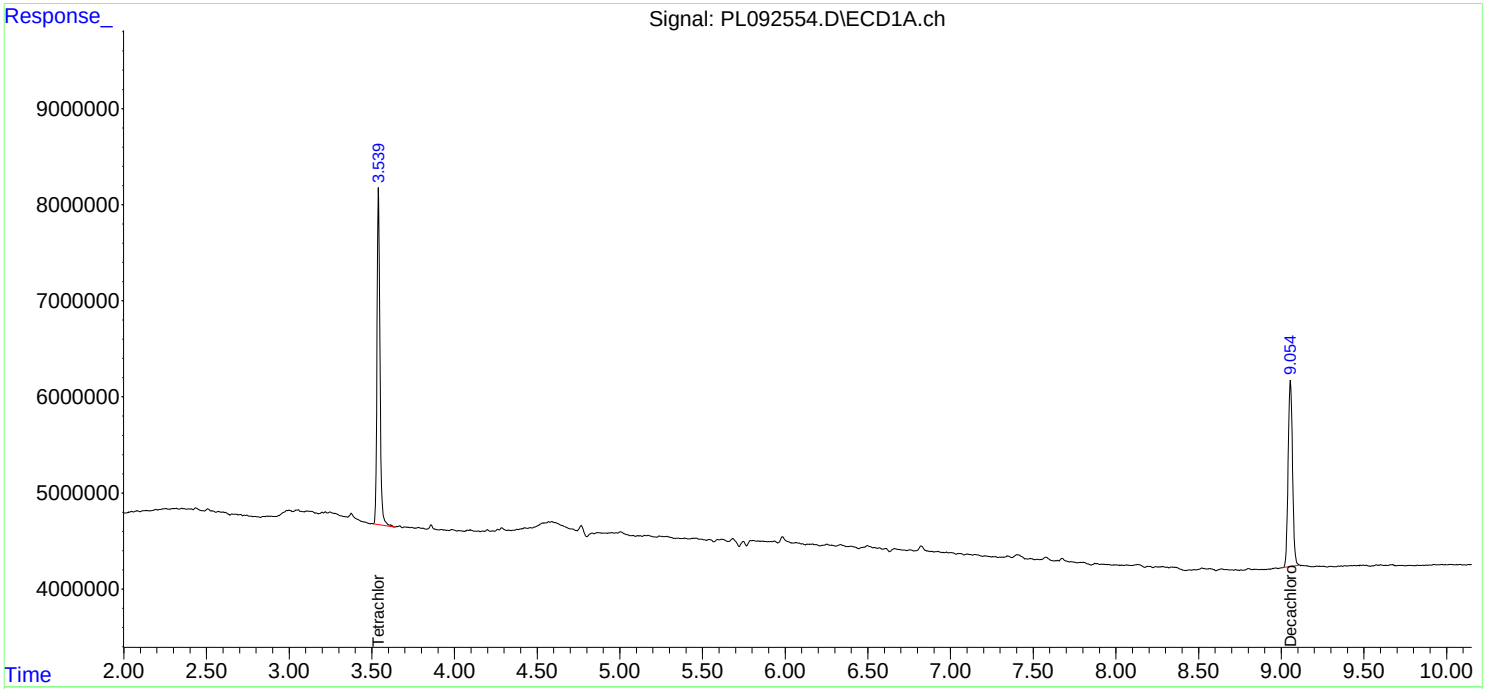
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

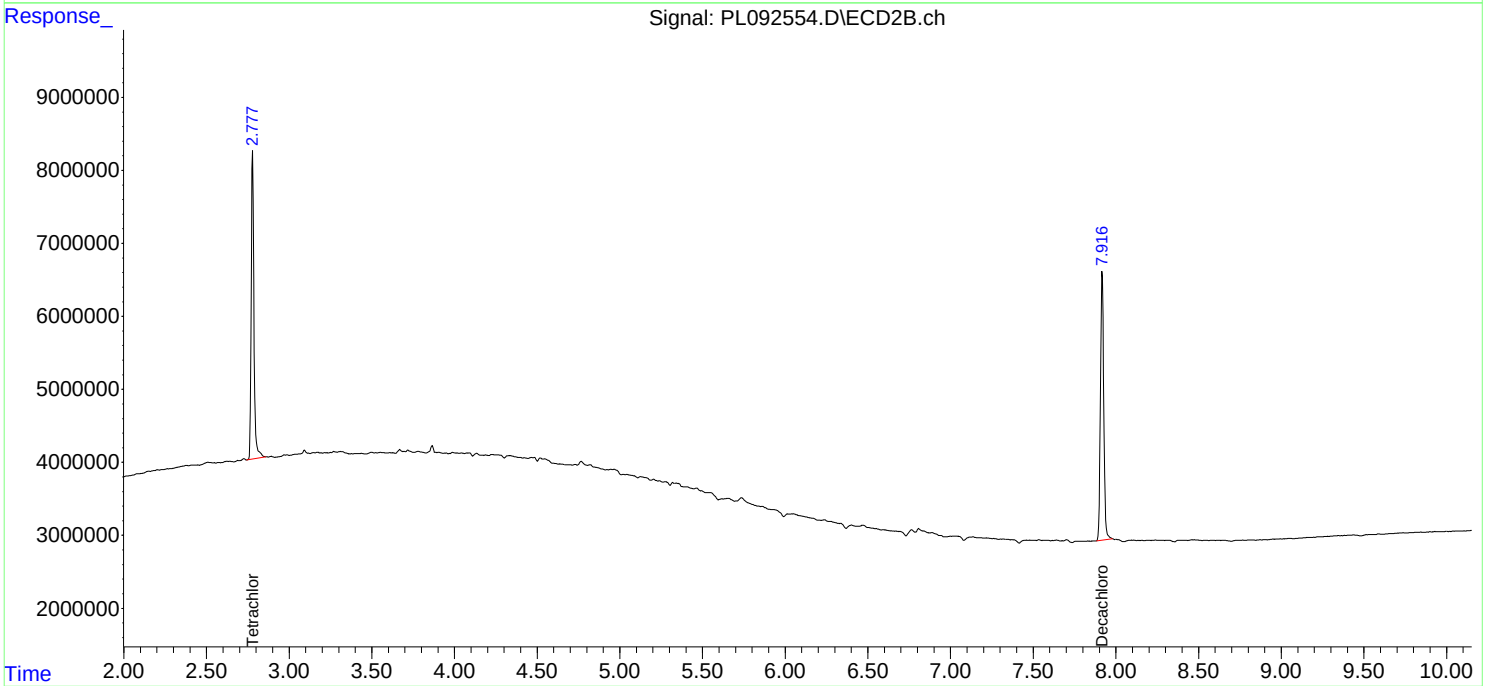
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102324\
Data File : PL092554.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 09:52
Operator : AR\AJ
Sample : PL164311BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

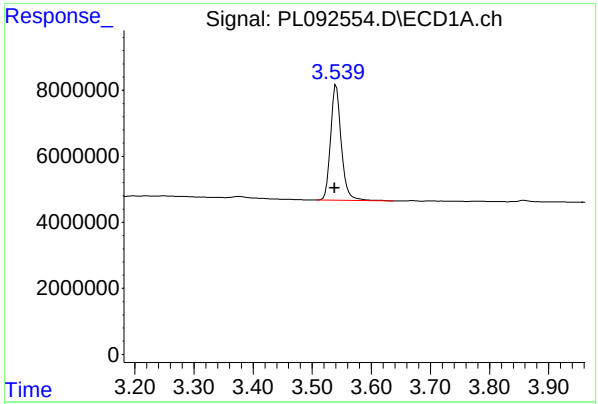
Instrument :
ECD_L
ClientSampleId :
PB164311BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 02:47:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



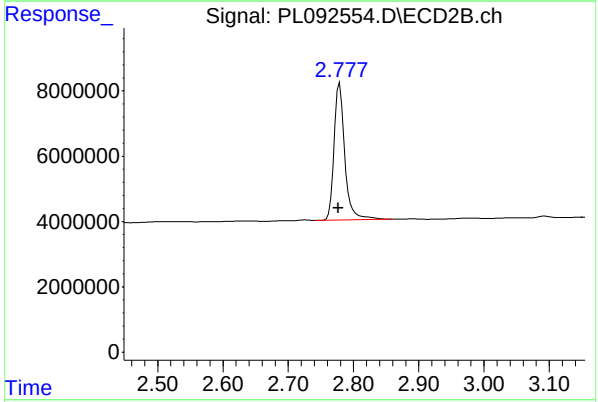




#1 Tetrachloro-m-xylene

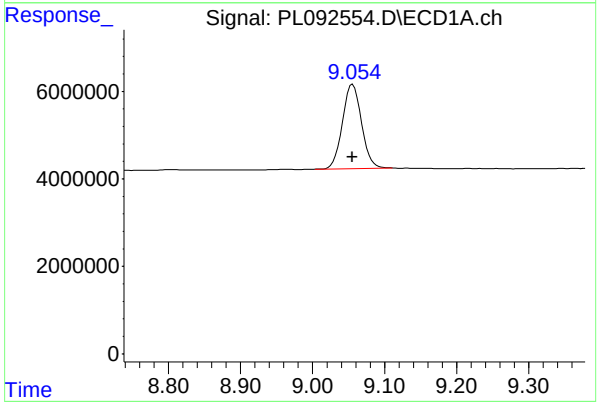
R.T.: 3.541 min
Delta R.T.: 0.003 min
Response: 43904864
Conc: 16.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164311BL



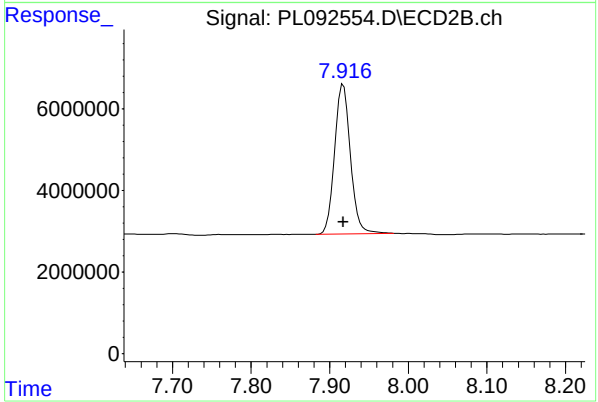
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.002 min
Response: 47943616
Conc: 17.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 35444599
Conc: 17.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.000 min
Response: 51315921
Conc: 19.47 ng/ml

Raw Data: **PL092494.D**

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/21/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	PIBLK-PL092494.D	SDG No.:	P4474
Lab Sample ID:	I.BLK-PL092494.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092494.D	1		10/21/24	PL102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.5		30 (43) - 150 (140)	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.0		30 (77) - 150 (126)	110%	SPK: 20

Raw Data: **PL092494.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/21/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	PIBLK-PL092494.D	SDG No.:	P4474
Lab Sample ID:	I.BLK-PL092494.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092494.D	1		10/21/24	PL102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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_L\Data\PL102124\
Data File : PL092494.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 12:19
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:12:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.778	59290258	55566607	22.010	20.006
28)	SA Decachlor...	9.056	7.918	43580531	56502000	21.456	21.443
	Target Compounds						

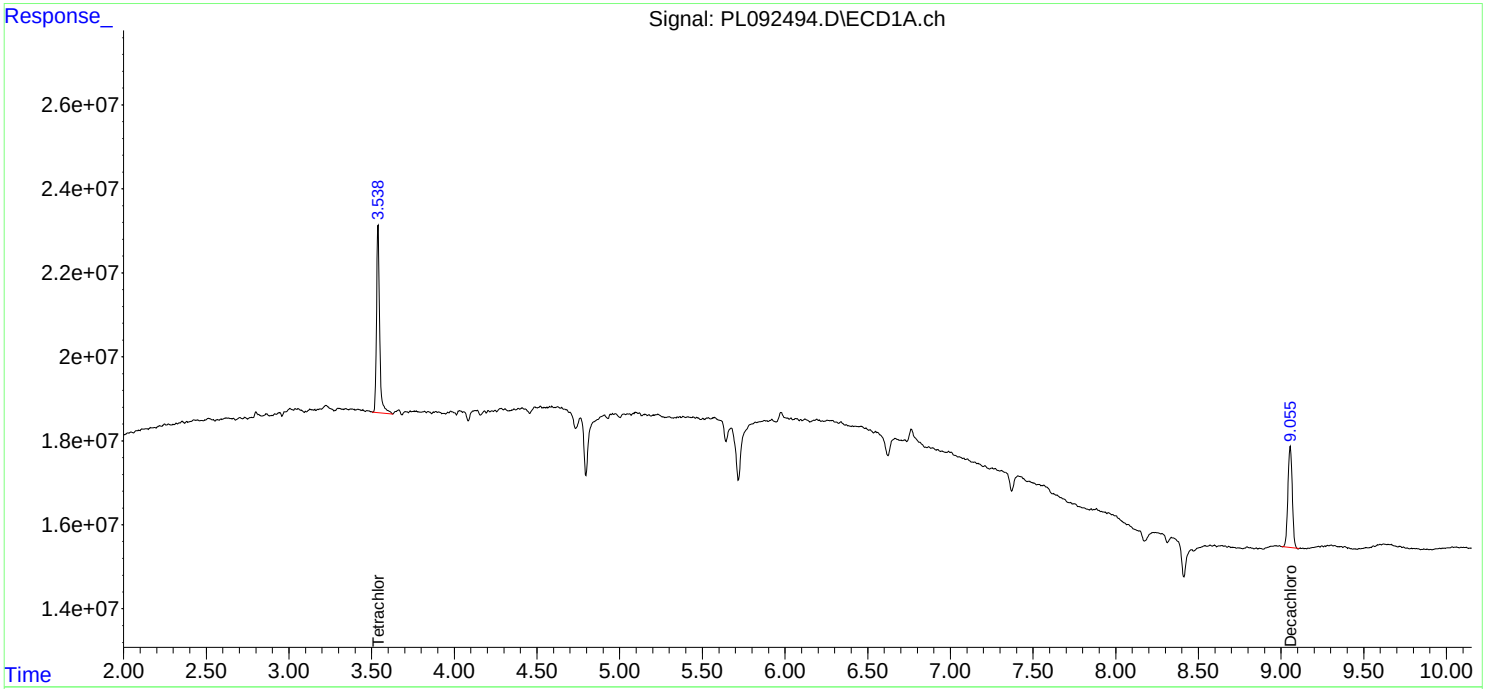
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

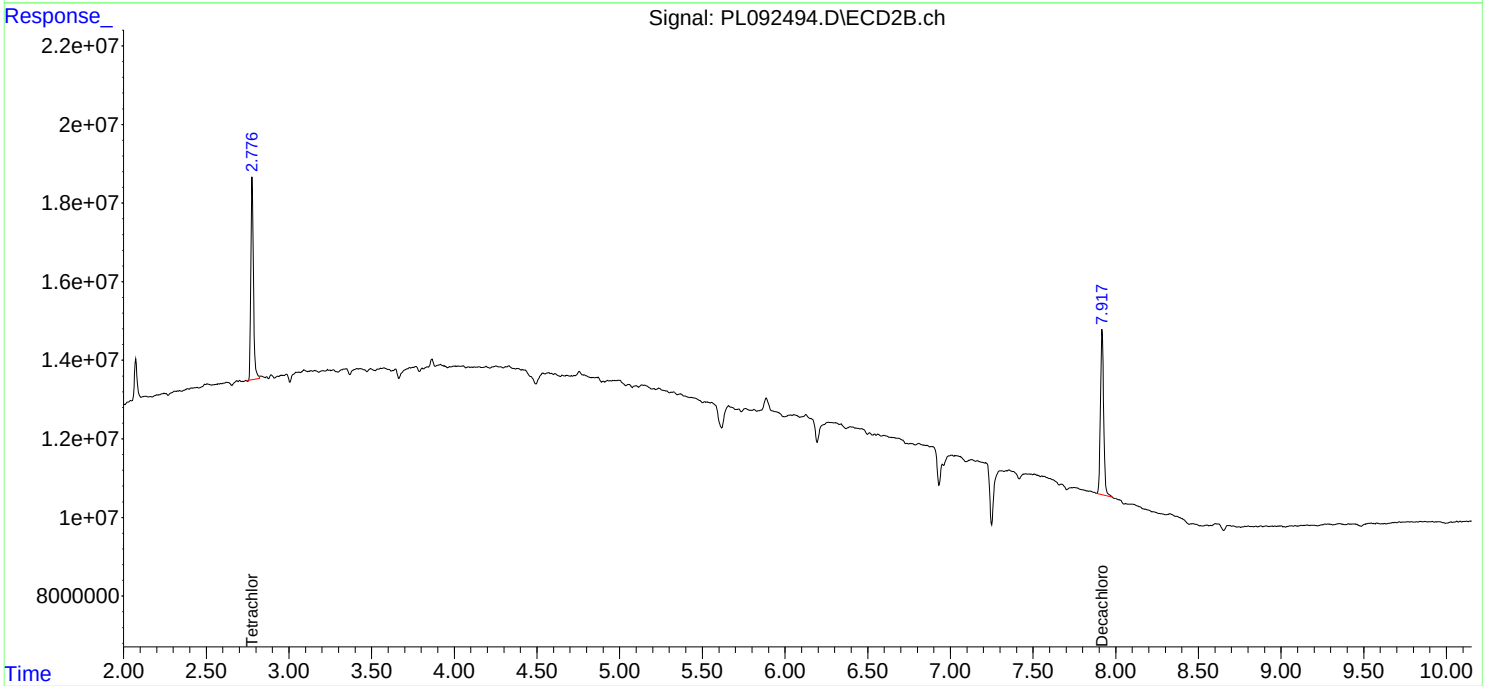
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102124\
Data File : PL092494.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 12:19
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

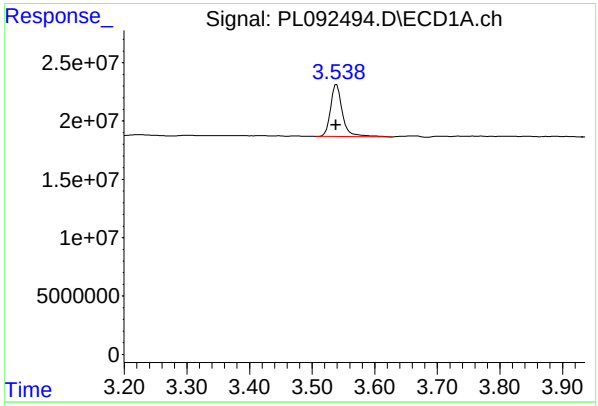
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:12:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



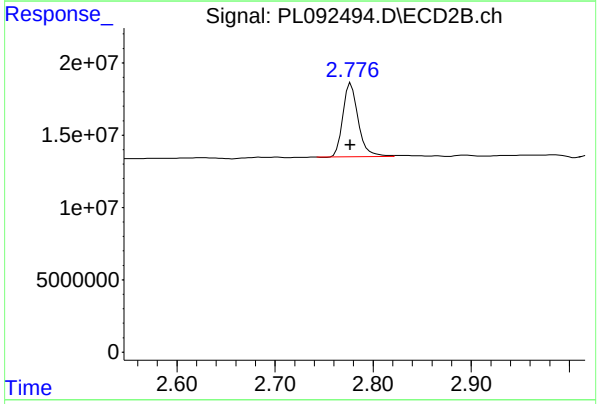




#1 Tetrachloro-m-xylene

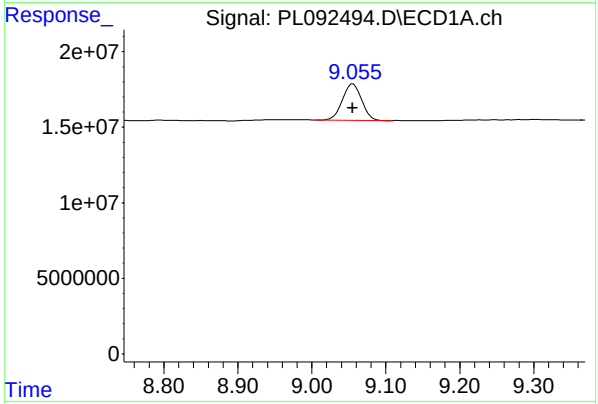
R.T.: 3.539 min
Delta R.T.: 0.001 min
Response: 59290258
Conc: 22.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



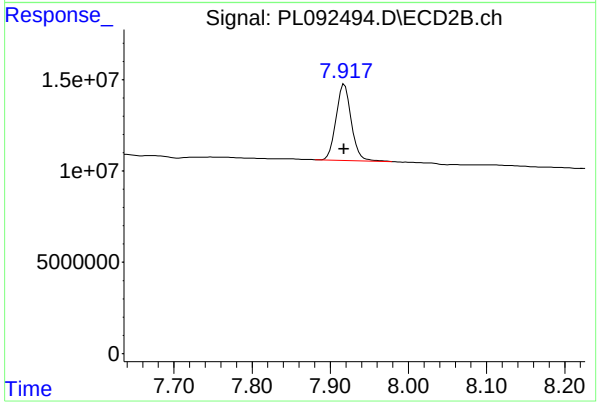
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 55566607
Conc: 20.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 43580531
Conc: 21.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 56502000
Conc: 21.44 ng/ml

Raw Data: **PL092551.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/23/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/23/24
Client Sample ID:	PIBLK-PL092551.D	SDG No.:	P4474
Lab Sample ID:	I.BLK-PL092551.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092551.D	1		10/23/24	PL102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.6		30 (43) - 150 (140)	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.1		30 (77) - 150 (126)	101%	SPK: 20

Raw Data: **PL092551.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/23/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/23/24
Client Sample ID:	PIBLK-PL092551.D	SDG No.:	P4474
Lab Sample ID:	I.BLK-PL092551.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092551.D	1		10/23/24	PL102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **PL092551.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102324\
Data File : PL092551.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 08:24
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 02:46:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.780	51829435	55851056	19.240	20.109
28)	SA Decachlor...	9.057	7.918	40715862	56981721	20.046m	21.625
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102324\
Data File : PL092551.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 08:24
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

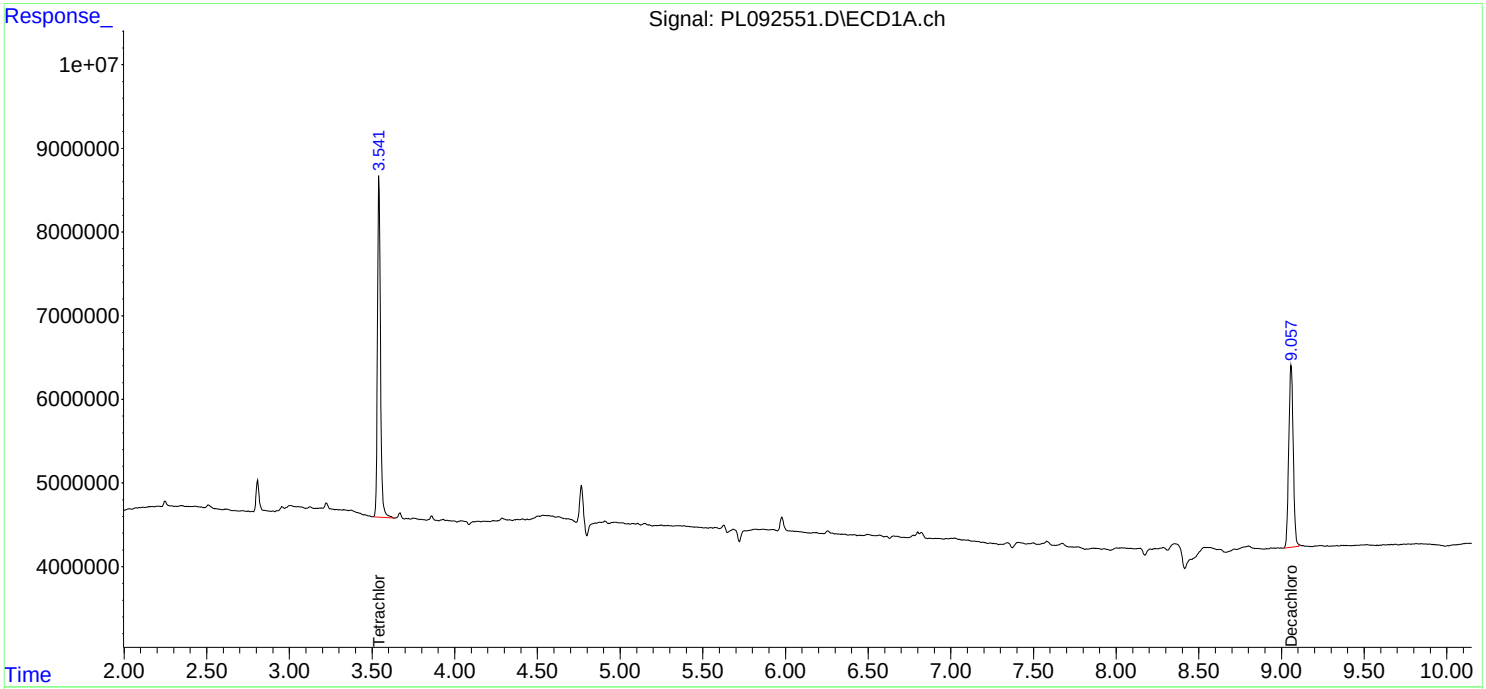
Instrument :
ECD_L
ClientSampleId :
I.BLK

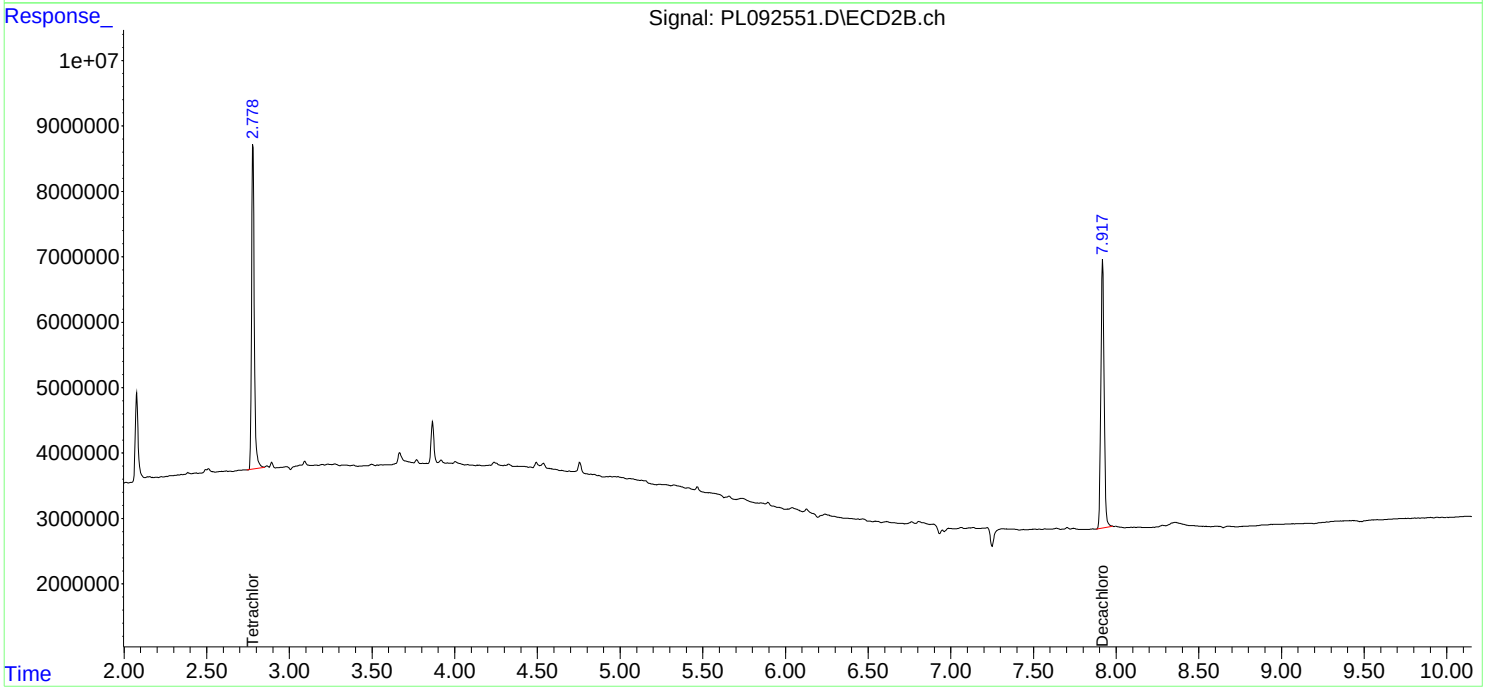
Manual Integrations APPROVED

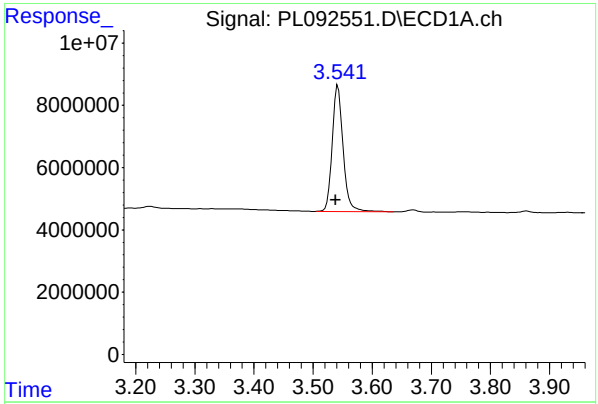
Reviewed By :Abdul Mirza 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 02:46:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm







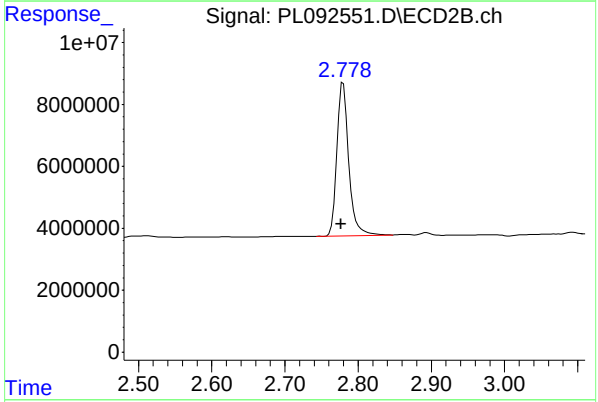
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: 0.004 mi
Response: 51829435
Conc: 19.24 ng/m

Instrument :
ECD_L
ClientSampleId :
I.BLK

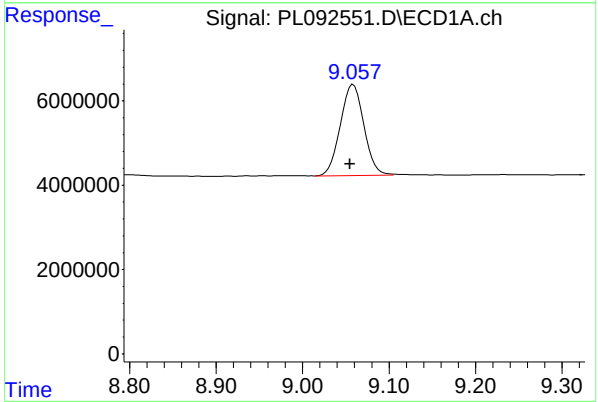
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024



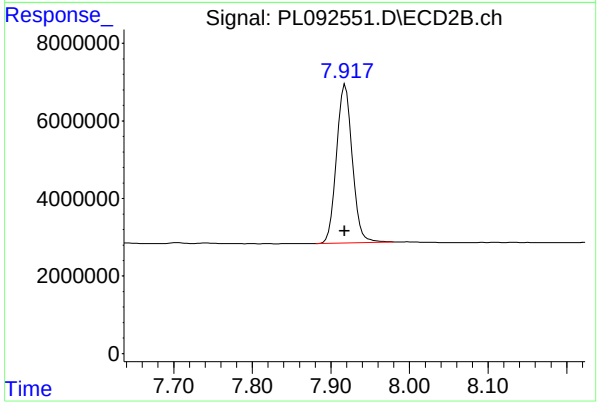
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.003 min
Response: 55851056
Conc: 20.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.002 min
Response: 40715862
Conc: 20.05 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 56981721
Conc: 21.63 ng/ml

Raw Data: **PL092566.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/23/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/23/24
Client Sample ID:	PIBLK-PL092566.D	SDG No.:	P4474
Lab Sample ID:	I.BLK-PL092566.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092566.D	1		10/23/24	PL102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.6		30 (43) - 150 (140)	113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		30 (77) - 150 (126)	102%	SPK: 20

Raw Data: **PL092566.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/23/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/23/24
Client Sample ID:	PIBLK-PL092566.D	SDG No.:	P4474
Lab Sample ID:	I.BLK-PL092566.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092566.D	1		10/23/24	PL102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **PL092566.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102324\
Data File : PL092566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 17:56
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 03:00:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.543	2.778	52554183	56912375	19.509	20.491m
28)	SA Decachlor...	9.059	7.918	41629657	59665121	20.496	22.644
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102324\
Data File : PL092566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 17:56
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

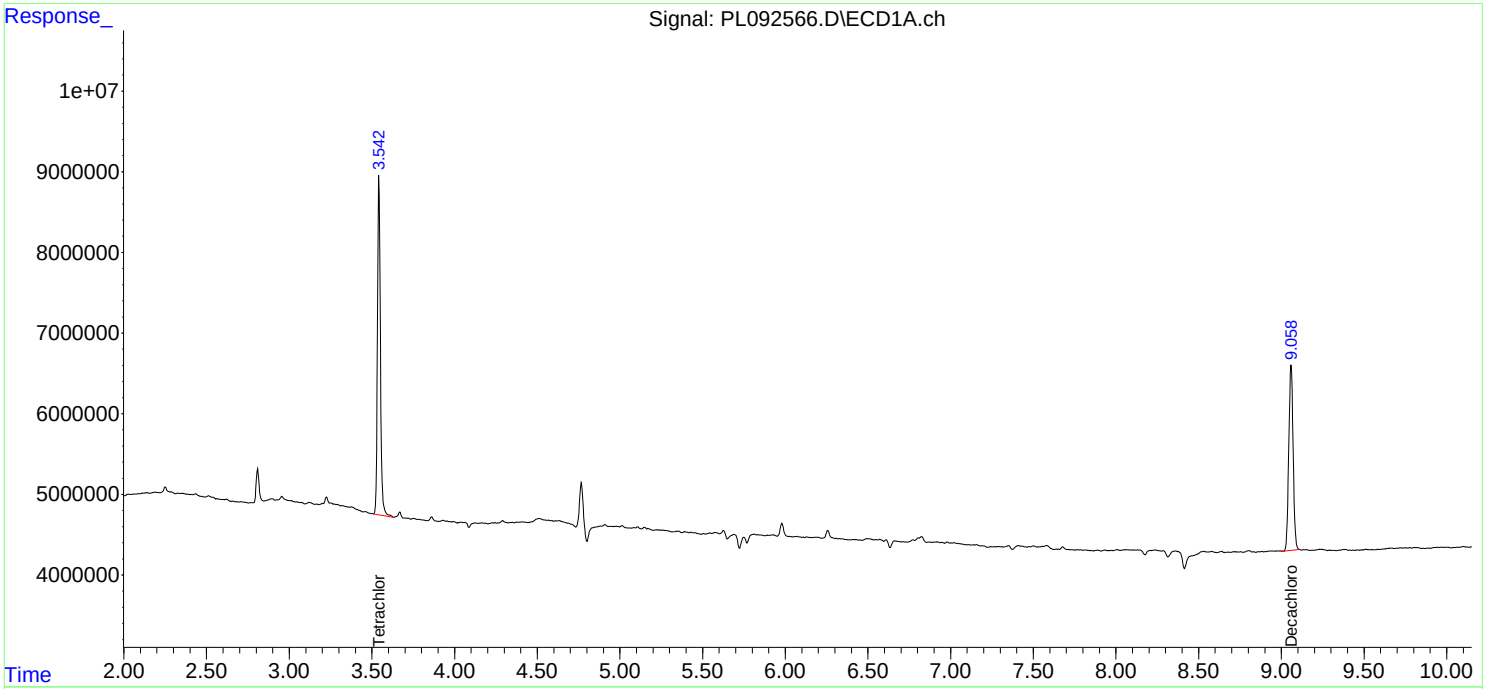
Instrument :
ECD_L
ClientSampleId :
I.BLK

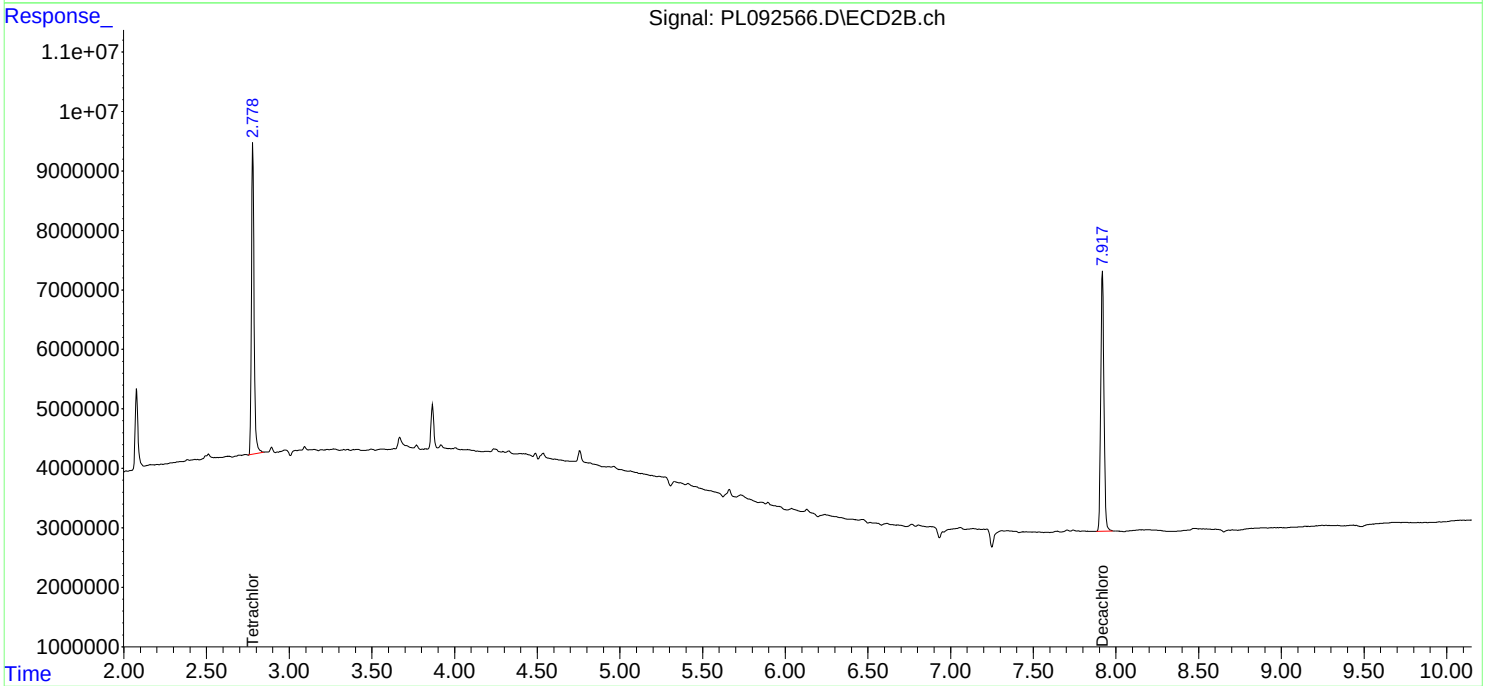
Manual Integrations APPROVED

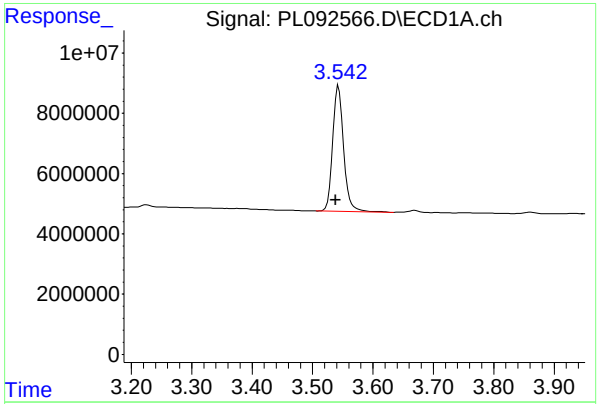
Reviewed By :Abdul Mirza 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 03:00:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm







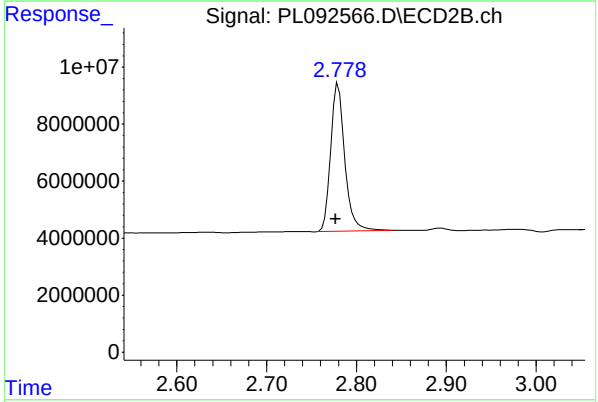
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: 0.005 mi
Response: 52554183
Conc: 19.51 ng/m

Instrument :
ECD_L
ClientSampleId :
I.BLK

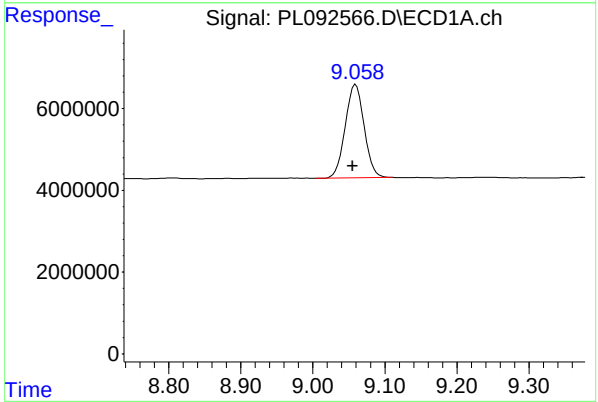
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024



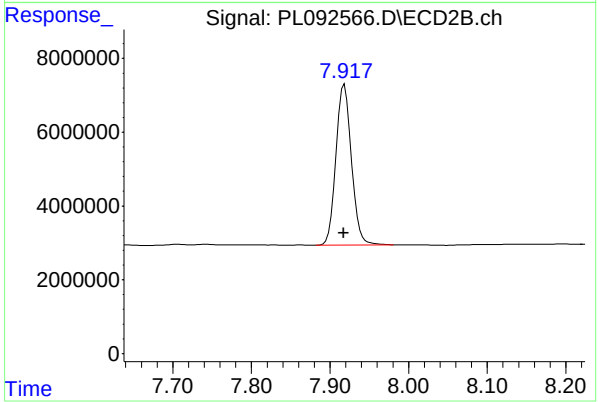
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.001 min
Response: 56912375
Conc: 20.49 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.004 min
Response: 41629657
Conc: 20.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 59665121
Conc: 22.64 ng/ml

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/24/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/24/24
Client Sample ID:	PIBLK-PL092589.D	SDG No.:	P4474
Lab Sample ID:	I.BLK-PL092589.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092589.D	1		10/24/24	PL102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.3		30 (43) - 150 (140)	116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		30 (77) - 150 (126)	105%	SPK: 20

Raw Data: **PL092589.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/24/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/24/24
Client Sample ID:	PIBLK-PL092589.D	SDG No.:	P4474
Lab Sample ID:	I.BLK-PL092589.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092589.D	1		10/24/24	PL102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **PL092589.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 09:53
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 16:05:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.541	2.779	53921811	58367266	20.017	21.015
28)	SA Decachlor...	9.057	7.918	42677790	61295811	21.012	23.262
	Target Compounds						

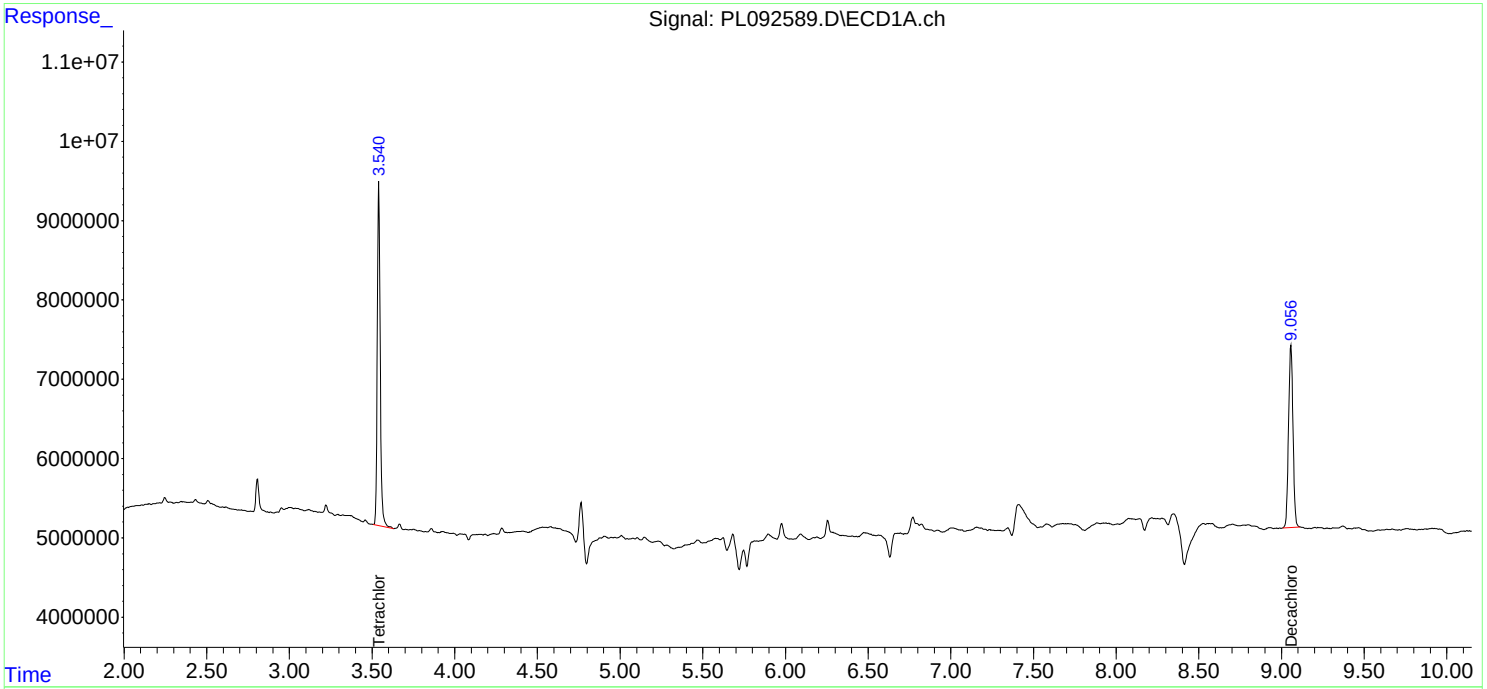
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

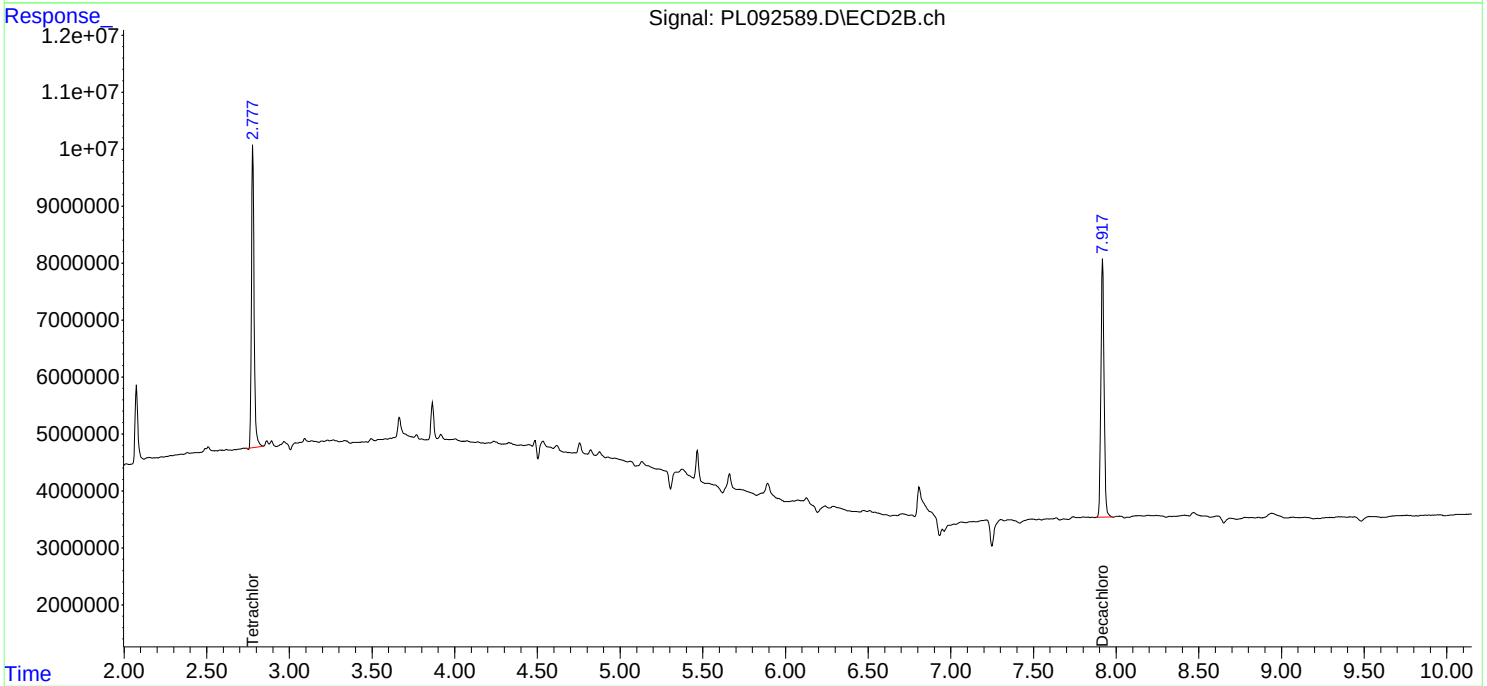
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 09:53
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

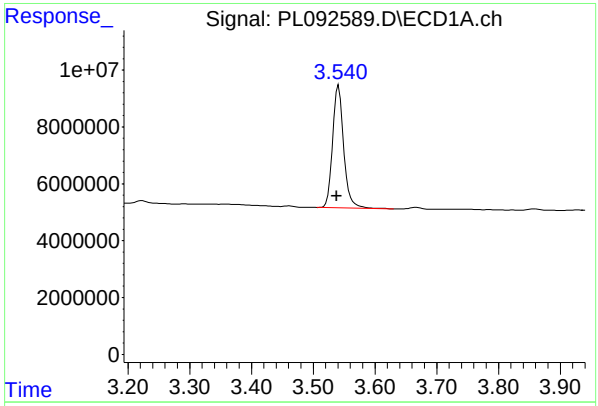
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 16:05:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



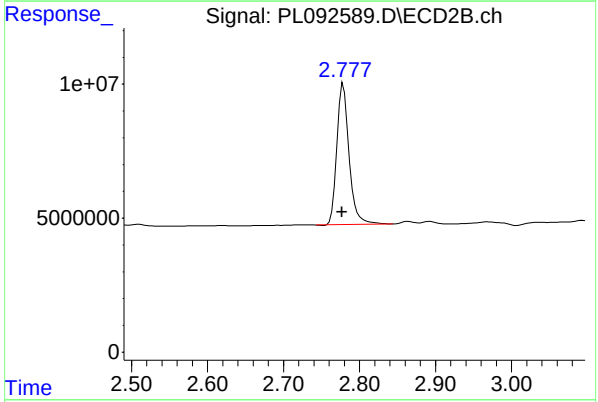




#1 Tetrachloro-m-xylene

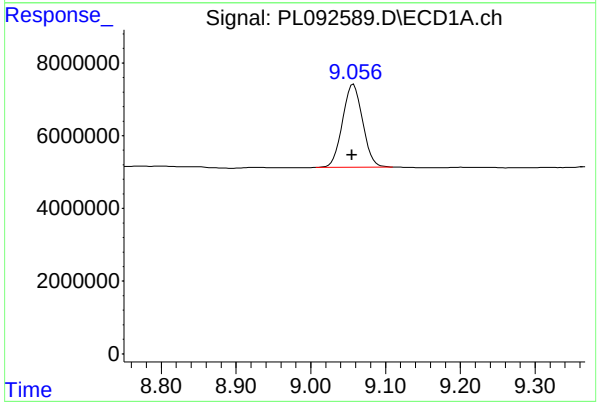
R.T.: 3.541 min
Delta R.T.: 0.003 min
Response: 53921811
Conc: 20.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



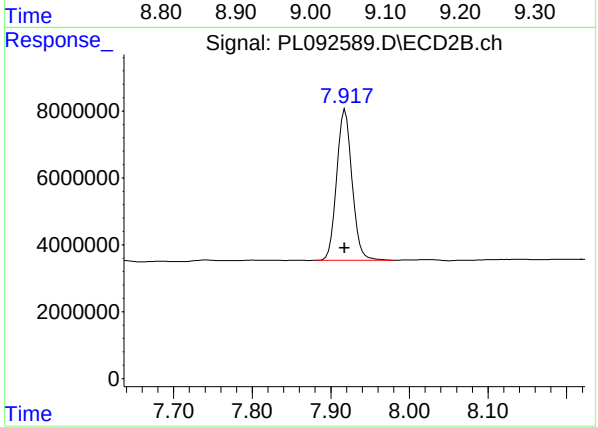
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.002 min
Response: 58367266
Conc: 21.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.002 min
Response: 42677790
Conc: 21.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 61295811
Conc: 23.26 ng/ml

Raw Data: **PL092612.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/24/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/24/24
Client Sample ID:	PIBLK-PL092612.D	SDG No.:	P4474
Lab Sample ID:	I.BLK-PL092612.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092612.D	1		10/24/24	PL102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.4		30 (43) - 150 (140)	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.1		30 (77) - 150 (126)	111%	SPK: 20

Raw Data: **PL092612.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/24/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/24/24
Client Sample ID:	PIBLK-PL092612.D	SDG No.:	P4474
Lab Sample ID:	I.BLK-PL092612.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092612.D	1		10/24/24	PL102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **PL092612.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 16:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:21:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.777	57662383	61382702	21.405	22.100m
28)	SA Decachlor...	9.056	7.919	45280157	61749045	22.293m	23.434
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 16:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

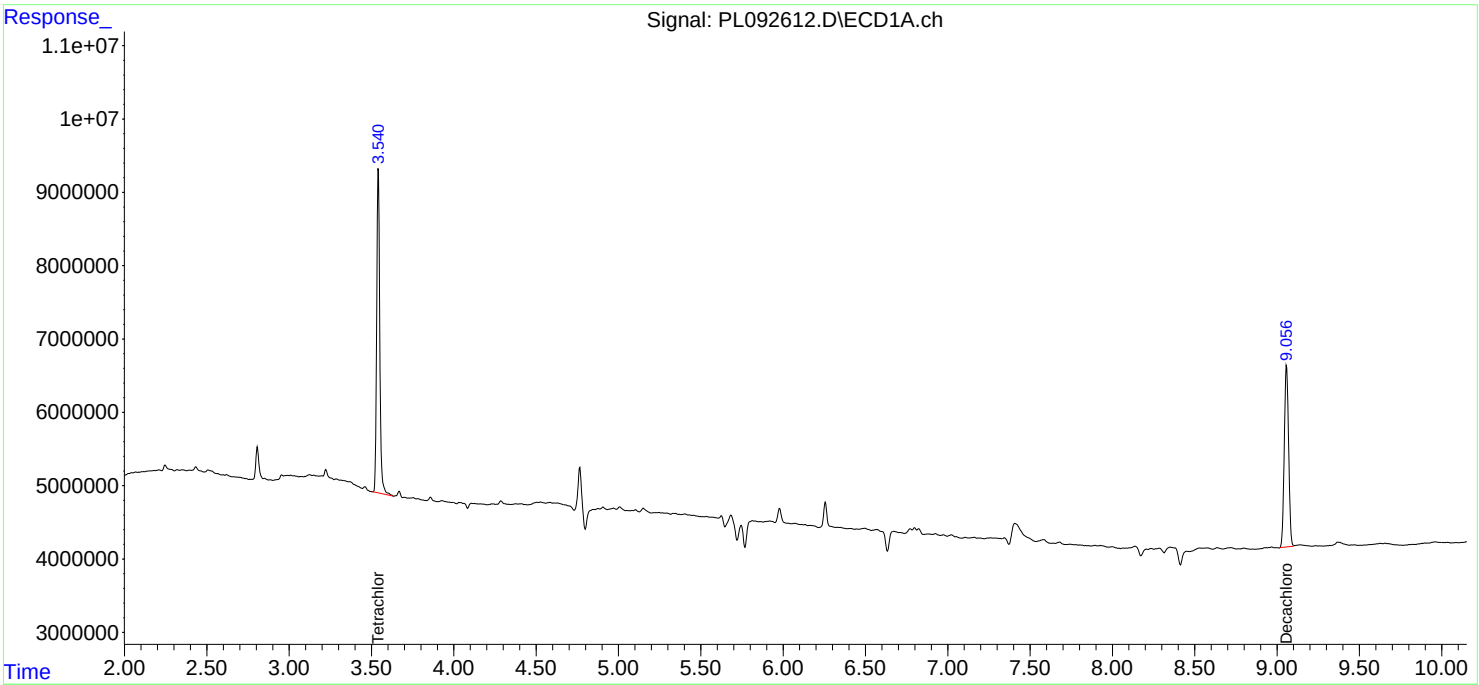
Instrument :
ECD_L
ClientSampleId :
I.BLK

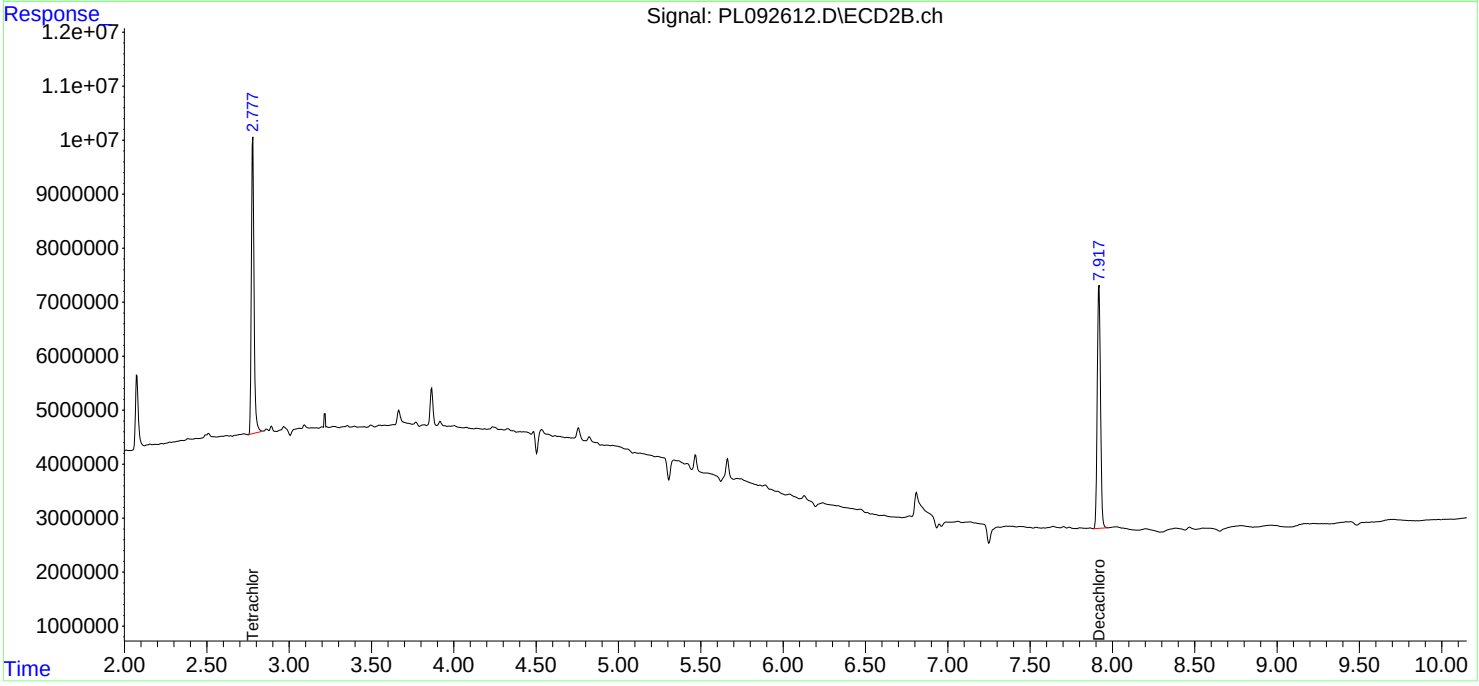
Manual Integrations APPROVED

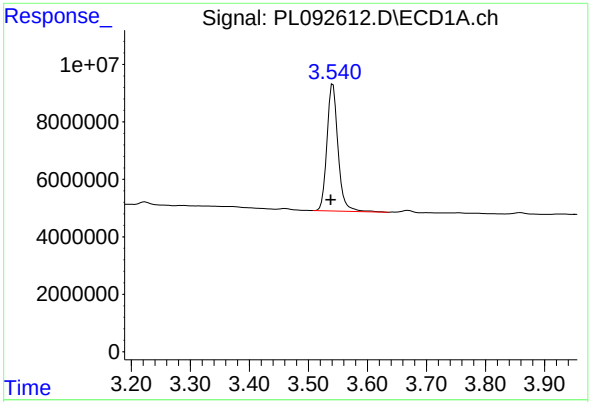
Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:21:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm







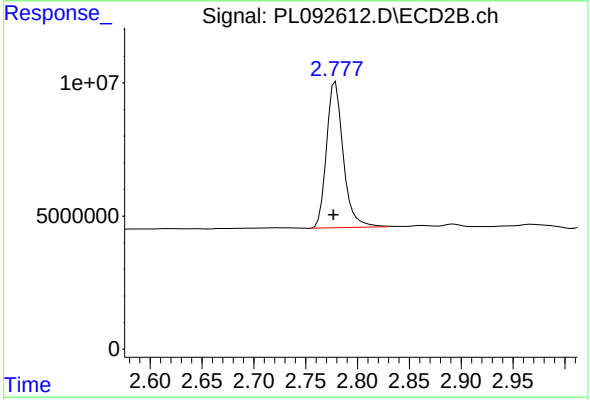
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: 0.004 min
Response: 57662383
Conc: 21.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

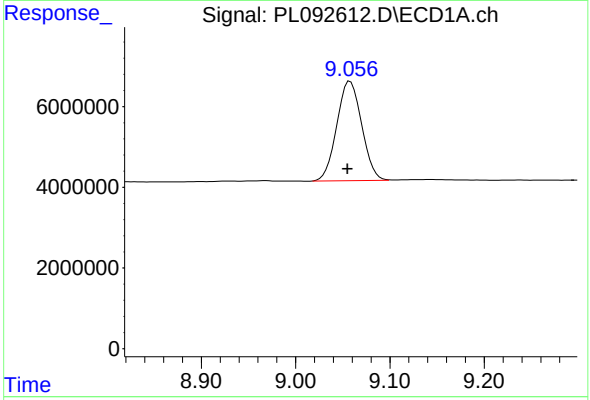
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



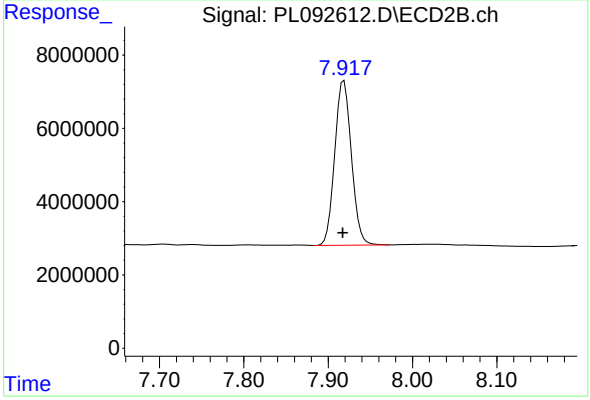
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 61382702
Conc: 22.10 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.001 min
Response: 45280157
Conc: 22.29 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.919 min
Delta R.T.: 0.001 min
Response: 61749045
Conc: 23.43 ng/ml

Raw Data: **PL092555.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	PB164311BS	SDG No.:	P4474
Lab Sample ID:	PB164311BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092555.D	1	10/22/24 10:10	10/23/24 13:33	PB164311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.7		0.18	1.70	ug/kg
319-85-7	beta-BHC	17.1		0.49	1.70	ug/kg
319-86-8	delta-BHC	16.8		0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.9		0.19	1.70	ug/kg
76-44-8	Heptachlor	17.2		0.17	1.70	ug/kg
309-00-2	Aldrin	17.2		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	17.9		0.23	1.70	ug/kg
959-98-8	Endosulfan I	18.1		0.17	1.70	ug/kg
60-57-1	Dieldrin	17.3		0.15	1.70	ug/kg
72-55-9	4,4-DDE	17.3		0.13	1.70	ug/kg
72-20-8	Endrin	16.5		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	17.1		0.30	1.70	ug/kg
72-54-8	4,4-DDD	17.3		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	17.1		0.13	1.70	ug/kg
50-29-3	4,4-DDT	15.9		0.17	1.70	ug/kg
72-43-5	Methoxychlor	17.4		0.38	1.70	ug/kg
53494-70-5	Endrin ketone	18.3		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	17.6		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.6		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	17.2		0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.9		30 (10) - 150 (148)	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.5		30 (10) - 150 (159)	92%	SPK: 20

Raw Data: **PL092555.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	PB164311BS	SDG No.:	P4474
Lab Sample ID:	PB164311BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092555.D	1	10/22/24 10:10	10/23/24 13:33	PB164311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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_L\Data\PL102324\
Data File : PL092555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 13:33
Operator : AR\AJ
Sample : PB164311BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164311BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 02:48:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.545	2.780	47781394	51316908	17.737	18.476
28) SA	Decachlor...	9.059	7.920	39333076	57830347	19.365	21.947
	Target Compounds						
2) A	alpha-BHC	4.001	3.282	177.5E6	216.1E6	43.069	50.087
3) MA	gamma-BHC...	4.333	3.612	169.1E6	209.0E6	43.961	50.754
4) MA	Heptachlor	4.921	3.951	154.3E6	207.1E6	43.524m	51.560
5) MB	Aldrin	5.264	4.232	155.7E6	204.7E6	42.324	51.492
6) B	beta-BHC	4.531	3.912	74057926	89412870	47.708	51.212
7) B	delta-BHC	4.778	4.141	166.3E6	211.8E6	44.211	50.342
8) B	Heptachlo...	5.691	4.734	144.5E6	188.8E6	43.512	53.593
9) A	Endosulfan I	6.075	5.104	131.6E6	172.5E6	43.595	54.181
10) B	gamma-Chl...	5.946	4.984	142.6E6	189.8E6	43.251	51.593
11) B	alpha-Chl...	6.025	5.048	140.0E6	187.5E6	43.005	52.748
12) B	4,4'-DDE	6.199	5.237	124.7E6	180.6E6	42.029	51.931
13) MA	Dieldrin	6.351	5.368	139.9E6	189.3E6	43.028	51.796
14) MA	Endrin	6.580	5.644	114.7E6	162.5E6	40.613	49.605
15) B	Endosulfa...	6.799	5.939	124.8E6	160.3E6	44.106	51.291
16) A	4,4'-DDD	6.715	5.792	105.8E6	144.3E6	43.783	51.929
17) MA	4,4'-DDT	7.029	6.042	101.9E6	140.6E6	41.312	47.862
18) B	Endrin al...	6.930	6.118	99702107	129.6E6	46.675	52.744
19) B	Endosulfa...	7.164	6.341	113.9E6	151.8E6	45.090	51.338
20) A	Methoxychlor	7.505	6.617	55176712	74169028	46.851	52.310
21) B	Endrin ke...	7.649	6.846	128.9E6	176.0E6	46.860	54.786
22)	Mirex	8.122	7.027	141.1E6	202.3E6	67.608	77.411

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

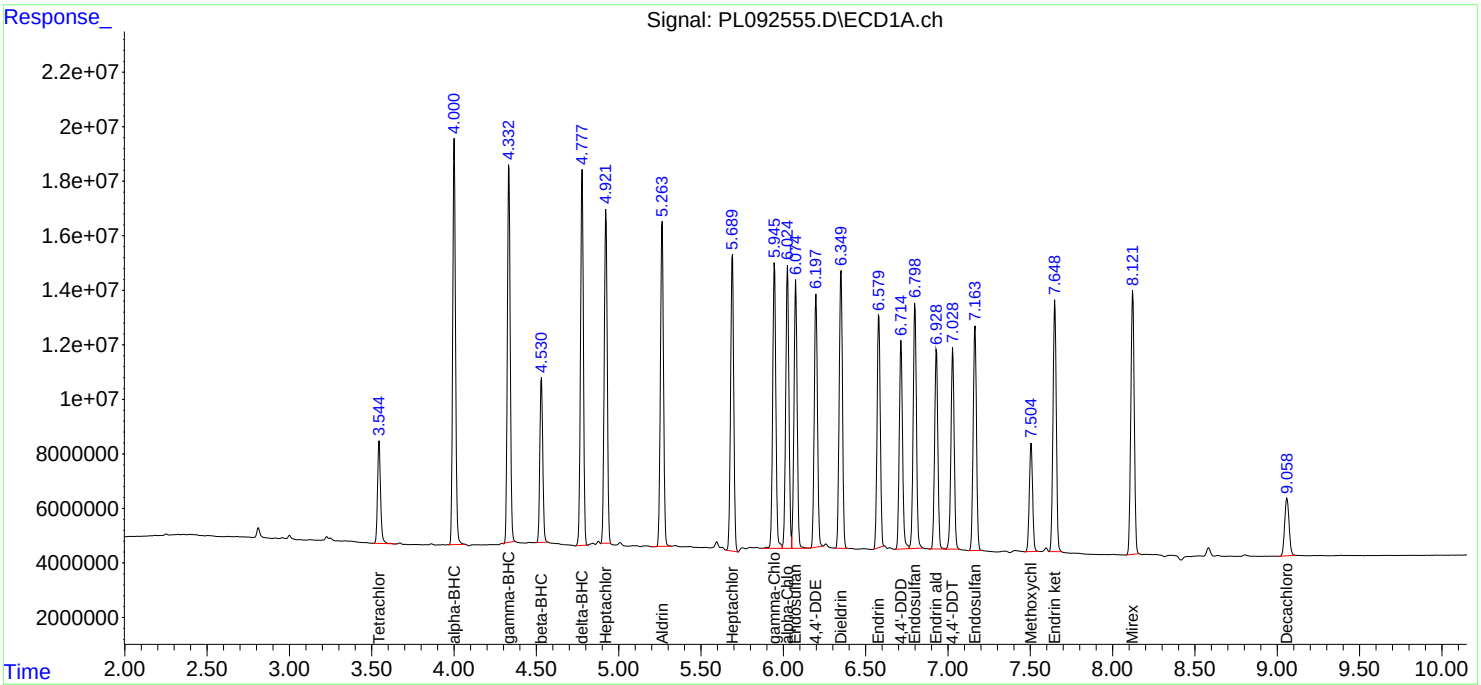
Sample Results: **PL092555.D**

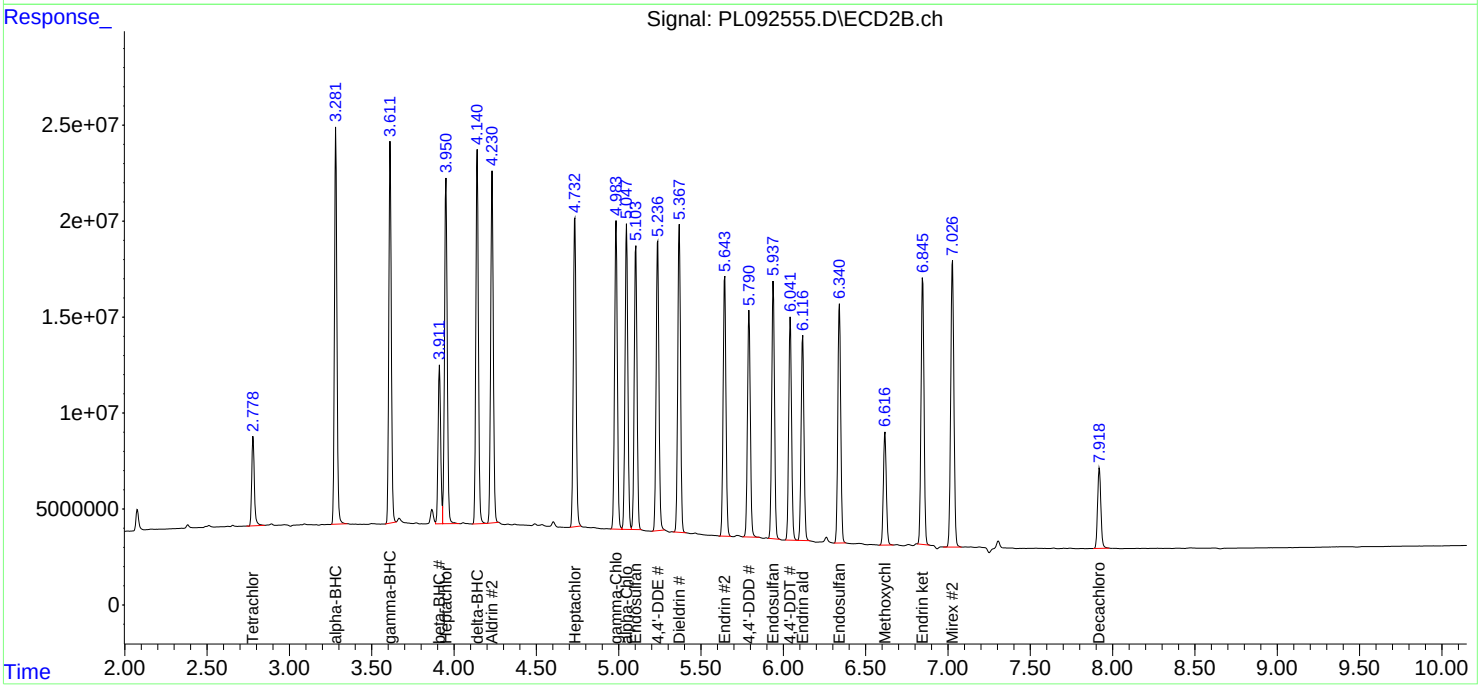
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102324\
Data File : PL092555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 13:33
Operator : AR\AJ
Sample : PB164311BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164311BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 02:48:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





Raw Data: **PL092595.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/21/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	BP-F-28MS	SDG No.:	P4474
Lab Sample ID:	P4472-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	89.7 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092595.D	1	10/22/24 10:10	10/24/24 11:35	PB164311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	11.2		0.20	1.90	ug/kg
319-85-7	beta-BHC	12.4		0.55	1.90	ug/kg
319-86-8	delta-BHC	12.0		0.52	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	12.3		0.21	1.90	ug/kg
76-44-8	Heptachlor	12.8		0.19	1.90	ug/kg
309-00-2	Aldrin	12.5		0.16	1.90	ug/kg
1024-57-3	Heptachlor epoxide	13.6		0.26	1.90	ug/kg
959-98-8	Endosulfan I	13.7		0.19	1.90	ug/kg
60-57-1	Dieldrin	13.6		0.17	1.90	ug/kg
72-55-9	4,4-DDE	13.1		0.14	1.90	ug/kg
72-20-8	Endrin	15.1		0.18	1.90	ug/kg
33213-65-9	Endosulfan II	15.0		0.33	1.90	ug/kg
72-54-8	4,4-DDD	14.1		0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	14.4		0.14	1.90	ug/kg
50-29-3	4,4-DDT	14.7		0.19	1.90	ug/kg
72-43-5	Methoxychlor	16.6		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	14.6		0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	14.0		0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	14.1		0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	14.5		0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	36.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.8		30 (10) - 150 (148)	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.5		30 (10) - 150 (159)	72%	SPK: 20

Raw Data: **PL092595.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/21/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	BP-F-28MS	SDG No.:	P4474
Lab Sample ID:	P4472-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	89.7 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092595.D	1	10/22/24 10:10	10/24/24 11:35	PB164311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **PL092595.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 11:35
Operator : AR\AJ
Sample : P4472-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
BP-F-28MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:06:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.539	2.777	36210839	40211862	13.442m	14.478m
28)	SA	Decachlor...	9.057	7.918	38115942	43810083	18.766	16.626m
		Target Compounds						
2)	A	alpha-BHC	3.995	3.280	124.2E6	126.9E6	30.128m	29.417m
3)	MA	gamma-BHC...	4.330	3.611	127.6E6	131.1E6	33.175	31.825m
4)	MA	Heptachlor	4.918	3.951	122.2E6	133.8E6	34.478	33.329
5)	MB	Aldrin	5.260	4.231	124.0E6	133.9E6	33.710	33.684
6)	B	beta-BHC	4.526	3.910	52028111	55125865	33.516m	31.574m
7)	B	delta-BHC	4.774	4.141	116.2E6	136.1E6	30.880	32.361
8)	B	Heptachlo...	5.685	4.733	108.7E6	129.6E6	32.734m	36.781m
9)	A	Endosulfan I	6.072	5.102	111.4E6	115.0E6	36.899	36.125m
10)	B	gamma-Chl...	5.942	4.984	113.1E6	144.1E6	34.304	39.165
11)	B	alpha-Chl...	6.021	5.048	115.0E6	134.7E6	35.323	37.894
12)	B	4,4'-DDE	6.194	5.236	96670570	122.8E6	32.594	35.316m
13)	MA	Dieldrin	6.347	5.368	111.0E6	134.0E6	34.144	36.673
14)	MA	Endrin	6.576	5.644	100.1E6	133.0E6	35.439m	40.612
15)	B	Endosulfa...	6.797	5.939	105.2E6	126.1E6	37.185	40.335
16)	A	4,4'-DDD	6.712	5.790	87702821	105.7E6	36.301	38.041m
17)	MA	4,4'-DDT	7.026	6.042	95892492	116.5E6	38.885	39.655
18)	B	Endrin al...	6.927	6.118	80447689	92243158	37.661	37.550
19)	B	Endosulfa...	7.161	6.341	96329759	115.1E6	38.126	38.918
20)	A	Methoxychlor	7.502	6.617	51997938	63418422	44.152	44.728
21)	B	Endrin ke...	7.646	6.845	108.5E6	123.8E6	39.468	38.550m
22)		Mirex	8.119	7.027	83707127	101.0E6	40.116	38.661

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

Sample Results: **PL092595.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 11:35
Operator : AR\AJ
Sample : P4472-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

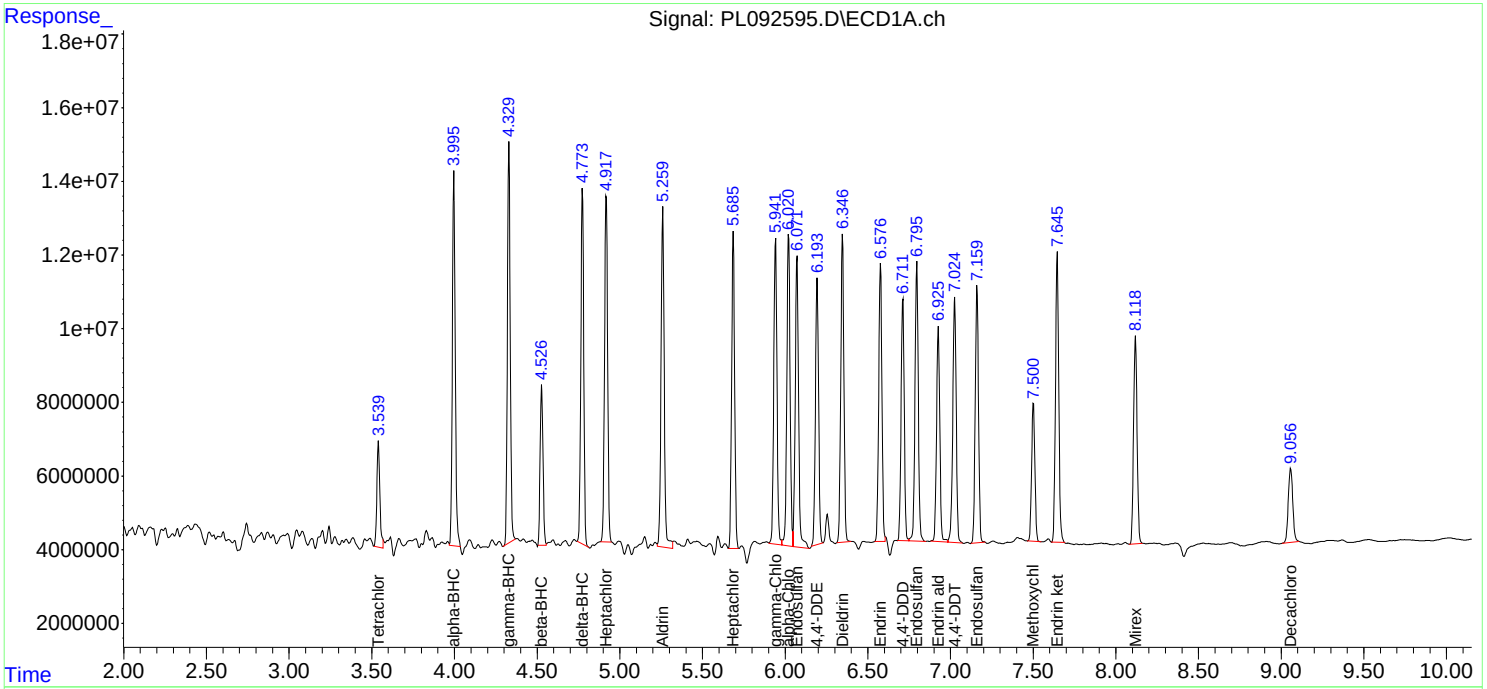
Instrument :
ECD_L
ClientSampleId :
BP-F-28MS

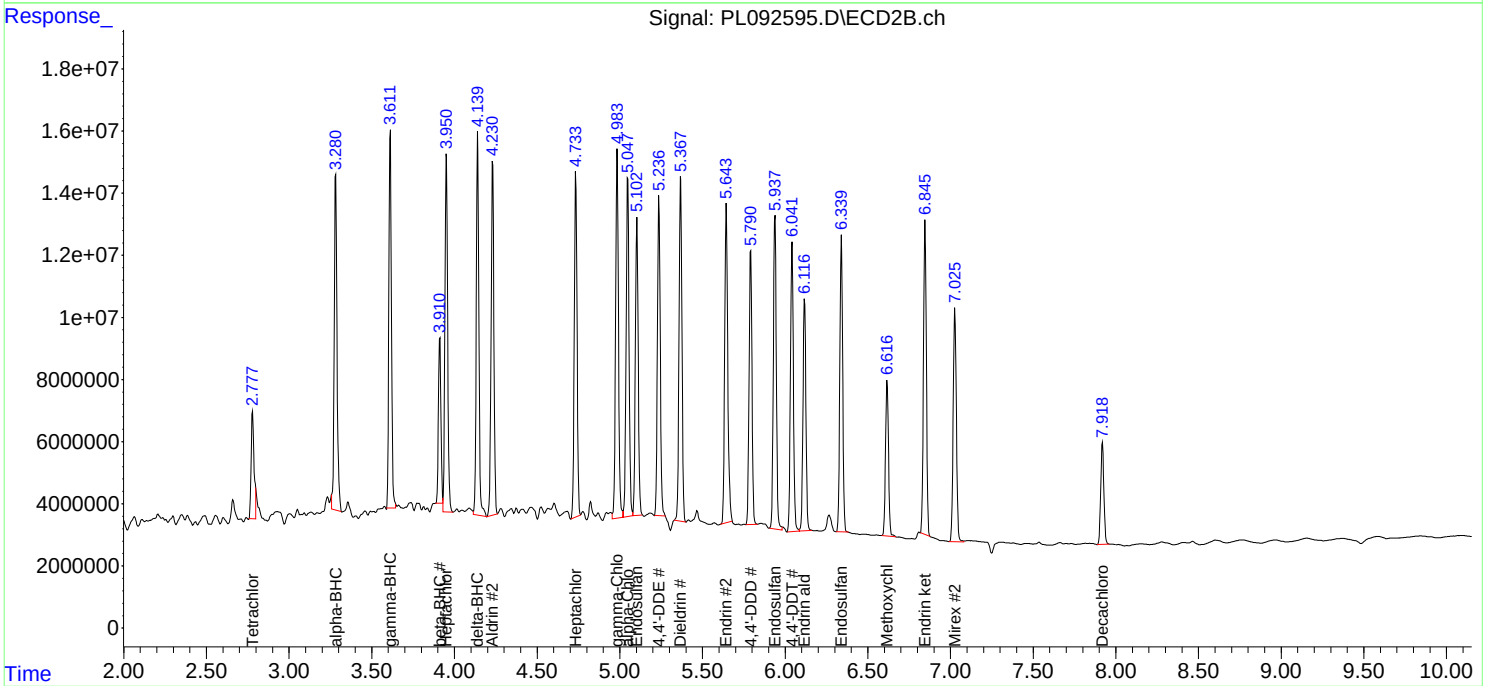
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:06:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





Raw Data: **PL092596.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/21/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	BP-F-28MSD	SDG No.:	P4474
Lab Sample ID:	P4472-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	89.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092596.D	1	10/22/24 10:10	10/24/24 11:49	PB164311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	11.5		0.20	1.90	ug/kg
319-85-7	beta-BHC	12.3		0.55	1.90	ug/kg
319-86-8	delta-BHC	11.5		0.52	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	12.3		0.21	1.90	ug/kg
76-44-8	Heptachlor	12.9		0.19	1.90	ug/kg
309-00-2	Aldrin	12.5		0.16	1.90	ug/kg
1024-57-3	Heptachlor epoxide	14.1		0.26	1.90	ug/kg
959-98-8	Endosulfan I	14.8		0.19	1.90	ug/kg
60-57-1	Dieldrin	13.8		0.17	1.90	ug/kg
72-55-9	4,4-DDE	13.1		0.14	1.90	ug/kg
72-20-8	Endrin	15.0		0.18	1.90	ug/kg
33213-65-9	Endosulfan II	15.5		0.33	1.90	ug/kg
72-54-8	4,4-DDD	15.0		0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	15.1		0.14	1.90	ug/kg
50-29-3	4,4-DDT	15.6		0.19	1.90	ug/kg
72-43-5	Methoxychlor	17.1		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	15.8		0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	14.9		0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	14.4		0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	14.9		0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	36.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.1		30 (10) - 150 (148)	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.6		30 (10) - 150 (159)	73%	SPK: 20

Raw Data: **PL092596.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/21/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	BP-F-28MSD	SDG No.:	P4474
Lab Sample ID:	P4472-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	89.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092596.D	1	10/22/24 10:10	10/24/24 11:49	PB164311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **PL092596.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 11:49
Operator : AR\AJ
Sample : P4472-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
BP-F-28MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:07:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.538	2.777	35869312	40498367	13.315m	14.581m
28)	SA	Decachlor...	9.058	7.919	36821947	46774921	18.129	17.752
		Target Compounds						
2)	A	alpha-BHC	3.995	3.282	127.7E6	121.7E6	30.989m	28.192
3)	MA	gamma-BHC...	4.328	3.610	128.0E6	132.3E6	33.271m	32.116m
4)	MA	Heptachlor	4.918	3.951	123.5E6	135.4E6	34.820	33.716
5)	MB	Aldrin	5.260	4.231	122.8E6	134.3E6	33.389	33.790
6)	B	beta-BHC	4.526	3.910	51657700	57801155	33.278m	33.106m
7)	B	delta-BHC	4.774	4.140	116.5E6	130.4E6	30.975	31.003m
8)	B	Heptachlo...	5.685	4.734	105.9E6	134.4E6	31.898m	38.148
9)	A	Endosulfan I	6.070	5.104	104.5E6	127.4E6	34.610m	40.035
10)	B	gamma-Chl...	5.943	4.984	115.1E6	147.9E6	34.898	40.192
11)	B	alpha-Chl...	6.021	5.047	118.5E6	137.6E6	36.399	38.727
12)	B	4,4'-DDE	6.195	5.235	101.0E6	122.9E6	34.037	35.338m
13)	MA	Dieldrin	6.348	5.368	114.1E6	135.8E6	35.083	37.167
14)	MA	Endrin	6.576	5.643	102.3E6	132.8E6	36.218m	40.556
15)	B	Endosulfa...	6.797	5.938	107.1E6	130.8E6	37.848	41.830
16)	A	4,4'-DDD	6.712	5.791	89087664	112.7E6	36.875	40.575
17)	MA	4,4'-DDT	7.027	6.041	99394313	123.2E6	40.305	41.955
18)	B	Endrin al...	6.927	6.117	82795930	98750538	38.761	40.199
19)	B	Endosulfa...	7.161	6.341	98139346	120.2E6	38.842	40.653
20)	A	Methoxychlor	7.503	6.616	53851982	65292759	45.726	46.050
21)	B	Endrin ke...	7.646	6.846	112.0E6	136.7E6	40.734	42.552
22)		Mirex	8.120	7.025	84118391	107.4E6	40.313	41.107m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 11:49
Operator : AR\AJ
Sample : P4472-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

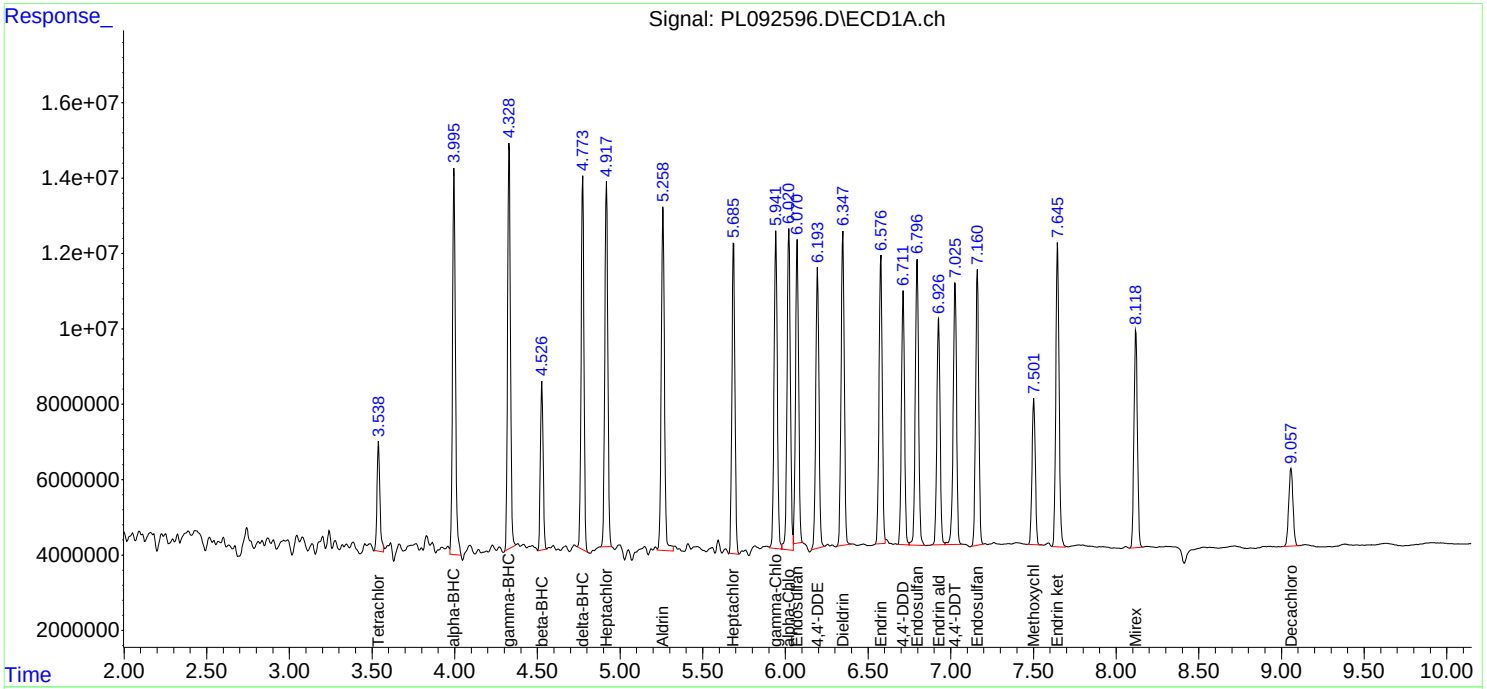
Instrument :
ECD_L
ClientSampleId :
BP-F-28MSD

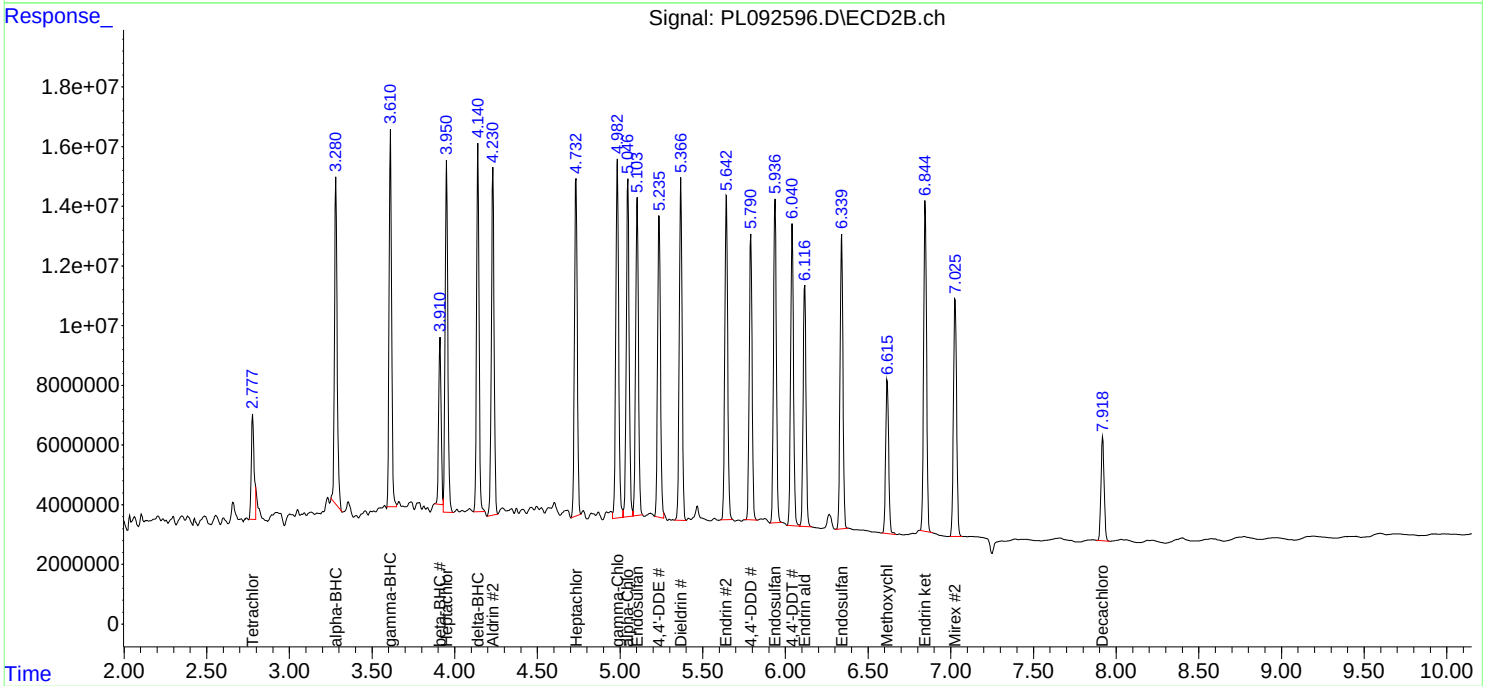
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:07:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





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Manual Integration Report

Sequence:	PL102124	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL092495.D	4,4"-DDD	Abdul	10/22/2024 8:45:34 AM	Ankita	10/22/2024 9:02:10	Peak Integrated by Software
PEM	PL092495.D	4,4"-DDD #2	Abdul	10/22/2024 8:45:34 AM	Ankita	10/22/2024 9:02:10	Peak Integrated by Software
PEM	PL092495.D	Endrin aldehyde	Abdul	10/22/2024 8:45:34 AM	Ankita	10/22/2024 9:02:10	Peak Integrated by Software
PEM	PL092495.D	Endrin ketone #2	Abdul	10/22/2024 8:45:34 AM	Ankita	10/22/2024 9:02:10	Peak Integrated by Software
PSTDICC025	PL092500.D	Heptachlor epoxide	Abdul	10/22/2024 8:45:38 AM	Ankita	10/22/2024 9:02:12	Peak Integrated by Software
PSTDICC005	PL092501.D	alpha-Chlordane	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	delta-BHC	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Endosulfan I	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Endosulfan II	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Endrin	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Endrin #2	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Endrin ketone	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	gamma-BHC (Lindane) #2	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL102124	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDICC005	PL092501.D	gamma-Chlordane	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Heptachlor epoxide	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Mirex #2	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICV050	PL092512.D	delta-BHC	Abdul	10/22/2024 8:46:09 AM	Ankita	10/22/2024 9:02:28	Peak Integrated by Software
PSTDICV050	PL092512.D	Heptachlor epoxide	Abdul	10/22/2024 8:46:09 AM	Ankita	10/22/2024 9:02:28	Peak Integrated by Software
PSTDICV050	PL092512.D	Mirex #2	Abdul	10/22/2024 8:46:09 AM	Ankita	10/22/2024 9:02:28	Peak Integrated by Software
PCHLORICV500	PL092513.D	Chlordane-5	Abdul	10/22/2024 8:46:13 AM	Ankita	10/22/2024 9:02:30	Peak Integrated by Software
I.BLK	PL092515.D	Tetrachloro-m-xylene #2	Abdul	10/22/2024 8:46:19 AM	Ankita	10/22/2024 9:02:32	Peak Integrated by Software
PEM	PL092516.D	4,4"-DDE	Abdul	10/22/2024 8:46:24 AM	Ankita	10/22/2024 9:02:34	Peak Integrated by Software
PEM	PL092516.D	alpha-BHC	Abdul	10/22/2024 8:46:24 AM	Ankita	10/22/2024 9:02:34	Peak Integrated by Software
PEM	PL092516.D	Endrin aldehyde	Abdul	10/22/2024 8:46:24 AM	Ankita	10/22/2024 9:02:34	Peak Integrated by Software
PEM	PL092516.D	Endrin ketone #2	Abdul	10/22/2024 8:46:24 AM	Ankita	10/22/2024 9:02:34	Peak Integrated by Software
PEM	PL092516.D	gamma-BHC (Lindane) #2	Abdul	10/22/2024 8:46:24 AM	Ankita	10/22/2024 9:02:34	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL102124	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL092517.D	delta-BHC	Abdul	10/22/2024 8:46:28 AM	Ankita	10/22/2024 9:02:36	Peak Integrated by Software
PSTDCCC050	PL092517.D	Endosulfan II #2	Abdul	10/22/2024 8:46:28 AM	Ankita	10/22/2024 9:02:36	Peak Integrated by Software
PSTDCCC050	PL092517.D	Heptachlor epoxide	Abdul	10/22/2024 8:46:28 AM	Ankita	10/22/2024 9:02:36	Peak Integrated by Software
PSTDCCC050	PL092517.D	Mirex #2	Abdul	10/22/2024 8:46:28 AM	Ankita	10/22/2024 9:02:36	Peak Integrated by Software
I.BLK	PL092523.D	Tetrachloro-m-xylene #2	Abdul	10/22/2024 8:47:06 AM	Ankita	10/22/2024 9:02:44	Peak Integrated by Software
PSTDCCC050	PL092524.D	delta-BHC	Abdul	10/22/2024 8:47:10 AM	Ankita	10/22/2024 9:02:48	Peak Integrated by Software
PSTDCCC050	PL092524.D	Heptachlor epoxide	Abdul	10/22/2024 8:47:10 AM	Ankita	10/22/2024 9:02:48	Peak Integrated by Software
I.BLK	PL092528.D	Decachlorobiphenyl	Abdul	10/22/2024 8:47:27 AM	Ankita	10/22/2024 9:02:56	Peak Integrated by Software
I.BLK	PL092528.D	Tetrachloro-m-xylene #2	Abdul	10/22/2024 8:47:27 AM	Ankita	10/22/2024 9:02:56	Peak Integrated by Software
PSTDCCC050	PL092529.D	Aldrin	Abdul	10/22/2024 8:47:30 AM	Ankita	10/22/2024 9:02:58	Peak Integrated by Software
PSTDCCC050	PL092529.D	delta-BHC	Abdul	10/22/2024 8:47:30 AM	Ankita	10/22/2024 9:02:58	Peak Integrated by Software
PSTDCCC050	PL092529.D	Endrin	Abdul	10/22/2024 8:47:30 AM	Ankita	10/22/2024 9:02:58	Peak Integrated by Software
PSTDCCC050	PL092529.D	Heptachlor epoxide	Abdul	10/22/2024 8:47:30 AM	Ankita	10/22/2024 9:02:58	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL102124	Instrument	ECD_I

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

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Sequence:	PL102324	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PL092551.D	Decachlorobiphenyl	Abdul	10/24/2024 2:18:22 PM	Ankita	10/24/2024 2:25:50	Peak Integrated by Software
PEM	PL092552.D	4,4"-DDD	Abdul	10/24/2024 2:18:25 PM	Ankita	10/24/2024 2:25:51	Peak Integrated by Software
PEM	PL092552.D	4,4"-DDD #2	Abdul	10/24/2024 2:18:25 PM	Ankita	10/24/2024 2:25:51	Peak Integrated by Software
PEM	PL092552.D	4,4"-DDE	Abdul	10/24/2024 2:18:25 PM	Ankita	10/24/2024 2:25:51	Peak Integrated by Software
PEM	PL092552.D	4,4"-DDE #2	Abdul	10/24/2024 2:18:25 PM	Ankita	10/24/2024 2:25:51	Peak Integrated by Software
PEM	PL092552.D	Endrin	Abdul	10/24/2024 2:18:25 PM	Ankita	10/24/2024 2:25:51	Peak Integrated by Software
PEM	PL092552.D	Endrin aldehyde	Abdul	10/24/2024 2:18:25 PM	Ankita	10/24/2024 2:25:51	Peak Integrated by Software
PSTDCCC050	PL092553.D	Heptachlor	Abdul	10/24/2024 2:18:28 PM	Ankita	10/24/2024 2:25:53	Peak Integrated by Software
PB164311BS	PL092555.D	Heptachlor	Abdul	10/28/2024 9:20:34 AM	Ankita	10/28/2024 10:17:03	Peak Integrated by Software
P4474-01	PL092557.D	Tetrachloro-m-xylene	Abdul	10/24/2024 2:18:39 PM	Ankita	10/24/2024 2:25:58	Peak Integrated by Software
P4474-01	PL092557.D	Tetrachloro-m-xylene #2	Abdul	10/24/2024 2:18:39 PM	Ankita	10/24/2024 2:25:58	Peak Integrated by Software
I.BLK	PL092566.D	Tetrachloro-m-xylene #2	Abdul	10/24/2024 2:19:11 PM	Ankita	10/24/2024 2:26:29	Peak Integrated by Software
PEM	PL092567.D	4,4"-DDE	Abdul	10/24/2024 2:19:14 PM	Ankita	10/24/2024 2:26:31	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL102324	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL092568.D	Endosulfan II #2	Abdul	10/24/2024 2:19:17 PM	Ankita	10/24/2024 2:26:32	Peak Integrated by Software
PSTDCCC050	PL092568.D	Endrin	Abdul	10/24/2024 2:19:17 PM	Ankita	10/24/2024 2:26:32	Peak Integrated by Software
PSTDCCC050	PL092568.D	Heptachlor epoxide	Abdul	10/24/2024 2:19:17 PM	Ankita	10/24/2024 2:26:32	Peak Integrated by Software
I.BLK	PL092586.D	Tetrachloro-m-xylene #2	Abdul	10/24/2024 2:20:03 PM	Ankita	10/24/2024 2:27:08	Peak Integrated by Software
PSTDCCC050	PL092587.D	Endosulfan II #2	Abdul	10/24/2024 2:20:07 PM	Ankita	10/24/2024 2:27:10	Peak Integrated by Software

Alliance TECHNICAL GROUP
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Manual Integration Report

Sequence:	PL102424	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL092590.D	4,4"-DDD #2	Abdul	10/25/2024 3:24:07 PM	Ankita	10/28/2024 10:34:14	Peak Integrated by Software
PEM	PL092590.D	Endrin ketone #2	Abdul	10/25/2024 3:24:07 PM	Ankita	10/28/2024 10:34:14	Peak Integrated by Software
PSTDCCC050	PL092591.D	Endrin ketone #2	Abdul	10/25/2024 3:24:10 PM	Ankita	10/28/2024 10:34:16	Peak Integrated by Software
PSTDCCC050	PL092591.D	Heptachlor epoxide	Abdul	10/25/2024 3:24:10 PM	Ankita	10/28/2024 10:34:16	Peak Integrated by Software
P4472-01MS	PL092595.D	4,4"-DDD #2	Abdul	10/25/2024 3:24:22 PM	Ankita	10/28/2024 10:34:22	Peak Integrated by Software
P4472-01MS	PL092595.D	4,4"-DDE #2	Abdul	10/25/2024 3:24:22 PM	Ankita	10/28/2024 10:34:22	Peak Integrated by Software
P4472-01MS	PL092595.D	alpha-BHC	Abdul	10/25/2024 3:24:22 PM	Ankita	10/28/2024 10:34:22	Peak Integrated by Software
P4472-01MS	PL092595.D	alpha-BHC #2	Abdul	10/25/2024 3:24:22 PM	Ankita	10/28/2024 10:34:22	Peak Integrated by Software
P4472-01MS	PL092595.D	beta-BHC	Abdul	10/25/2024 3:24:22 PM	Ankita	10/28/2024 10:34:22	Peak Integrated by Software
P4472-01MS	PL092595.D	beta-BHC #2	Abdul	10/25/2024 3:24:22 PM	Ankita	10/28/2024 10:34:22	Peak Integrated by Software
P4472-01MS	PL092595.D	Decachlorobiphenyl #2	Abdul	10/25/2024 3:24:22 PM	Ankita	10/28/2024 10:34:22	Peak Integrated by Software
P4472-01MS	PL092595.D	Endosulfan I #2	Abdul	10/25/2024 3:24:22 PM	Ankita	10/28/2024 10:34:22	Peak Integrated by Software
P4472-01MS	PL092595.D	Endrin	Abdul	10/25/2024 3:24:22 PM	Ankita	10/28/2024 10:34:22	Peak Integrated by Software

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Sequence:	PL102424	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4472-01MS	PL092595.D	Endrin ketone #2	Abdul	10/25/2024 3:24:22 PM	Ankita	10/28/2024 10:34:22	Peak Integrated by Software
P4472-01MS	PL092595.D	gamma-BHC (Lindane) #2	Abdul	10/25/2024 3:24:22 PM	Ankita	10/28/2024 10:34:22	Peak Integrated by Software
P4472-01MS	PL092595.D	Heptachlor epoxide	Abdul	10/25/2024 3:24:22 PM	Ankita	10/28/2024 10:34:22	Peak Integrated by Software
P4472-01MS	PL092595.D	Heptachlor epoxide #2	Abdul	10/25/2024 3:24:22 PM	Ankita	10/28/2024 10:34:22	Peak Integrated by Software
P4472-01MS	PL092595.D	Tetrachloro-m-xylene	Abdul	10/25/2024 3:24:22 PM	Ankita	10/28/2024 10:34:22	Peak Integrated by Software
P4472-01MS	PL092595.D	Tetrachloro-m-xylene #2	Abdul	10/25/2024 3:24:22 PM	Ankita	10/28/2024 10:34:22	Peak Integrated by Software
P4472-01MSD	PL092596.D	4,4"-DDE #2	Abdul	10/25/2024 3:24:26 PM	Ankita	10/28/2024 10:34:23	Peak Integrated by Software
P4472-01MSD	PL092596.D	alpha-BHC	Abdul	10/25/2024 3:24:26 PM	Ankita	10/28/2024 10:34:23	Peak Integrated by Software
P4472-01MSD	PL092596.D	beta-BHC	Abdul	10/25/2024 3:24:26 PM	Ankita	10/28/2024 10:34:23	Peak Integrated by Software
P4472-01MSD	PL092596.D	beta-BHC #2	Abdul	10/25/2024 3:24:26 PM	Ankita	10/28/2024 10:34:23	Peak Integrated by Software
P4472-01MSD	PL092596.D	delta-BHC #2	Abdul	10/25/2024 3:24:26 PM	Ankita	10/28/2024 10:34:23	Peak Integrated by Software
P4472-01MSD	PL092596.D	Endosulfan I	Abdul	10/25/2024 3:24:26 PM	Ankita	10/28/2024 10:34:23	Peak Integrated by Software
P4472-01MSD	PL092596.D	Endrin	Abdul	10/25/2024 3:24:26 PM	Ankita	10/28/2024 10:34:23	Peak Integrated by Software

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Sequence:	PL102424	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4472-01MSD	PL092596.D	gamma-BHC (Lindane)	Abdul	10/25/2024 3:24:26 PM	Ankita	10/28/2024 10:34:23	Peak Integrated by Software
P4472-01MSD	PL092596.D	gamma-BHC (Lindane) #2	Abdul	10/25/2024 3:24:26 PM	Ankita	10/28/2024 10:34:23	Peak Integrated by Software
P4472-01MSD	PL092596.D	Heptachlor epoxide	Abdul	10/25/2024 3:24:26 PM	Ankita	10/28/2024 10:34:23	Peak Integrated by Software
P4472-01MSD	PL092596.D	Mirex #2	Abdul	10/25/2024 3:24:26 PM	Ankita	10/28/2024 10:34:23	Peak Integrated by Software
P4472-01MSD	PL092596.D	Tetrachloro-m-xylene	Abdul	10/25/2024 3:24:26 PM	Ankita	10/28/2024 10:34:23	Peak Integrated by Software
P4472-01MSD	PL092596.D	Tetrachloro-m-xylene #2	Abdul	10/25/2024 3:24:26 PM	Ankita	10/28/2024 10:34:23	Peak Integrated by Software
I.BLK	PL092612.D	Decachlorobiphenyl	Abdul	10/28/2024 9:17:04 AM	Ankita	10/28/2024 10:35:12	Peak Integrated by Software
I.BLK	PL092612.D	Tetrachloro-m-xylene #2	Abdul	10/28/2024 9:17:04 AM	Ankita	10/28/2024 10:35:12	Peak Integrated by Software
PSTDCCC050	PL092613.D	Aldrin	Abdul	10/25/2024 3:25:15 PM	Ankita	10/28/2024 10:35:14	Peak Integrated by Software
PSTDCCC050	PL092613.D	Decachlorobiphenyl	Abdul	10/25/2024 3:25:15 PM	Ankita	10/28/2024 10:35:14	Peak Integrated by Software
PSTDCCC050	PL092613.D	Dieldrin	Abdul	10/25/2024 3:25:15 PM	Ankita	10/28/2024 10:35:14	Peak Integrated by Software
PSTDCCC050	PL092613.D	Endosulfan II #2	Abdul	10/25/2024 3:25:15 PM	Ankita	10/28/2024 10:35:14	Peak Integrated by Software
PSTDCCC050	PL092613.D	Endrin ketone #2	Abdul	10/25/2024 3:25:15 PM	Ankita	10/28/2024 10:35:14	Peak Integrated by Software

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Sequence:	PL102424	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL092613.D	Heptachlor	Abdul	10/25/2024 3:25:15 PM	Ankita	10/28/2024 10:35:14	Peak Integrated by Software
PSTDCCC050	PL092613.D	Heptachlor epoxide	Abdul	10/25/2024 3:25:15 PM	Ankita	10/28/2024 10:35:14	Peak Integrated by Software
I.BLK	PL092622.D	Tetrachloro-m-xylene #2	Abdul	10/28/2024 9:17:07 AM	Ankita	10/28/2024 10:35:28	Peak Integrated by Software
PSTDCCC050	PL092623.D	Heptachlor	Abdul	10/25/2024 3:25:52 PM	Ankita	10/28/2024 10:35:30	Peak Integrated by Software
PSTDCCC050	PL092623.D	Mirex #2	Abdul	10/25/2024 3:25:52 PM	Ankita	10/28/2024 10:35:30	Peak Integrated by Software

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102124

Review By	Abdul	Review On	10/22/2024 8:47:55 AM		
Supervise By	Ankita	Supervise On	10/22/2024 9:03:18 AM		
SubDirectory	PL102124	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092493.D	21 Oct 2024 12:06	AR\AJ	Ok
2	I.BLK	PL092494.D	21 Oct 2024 12:19	AR\AJ	Ok
3	PEM	PL092495.D	21 Oct 2024 12:33	AR\AJ	Ok,M
4	RESCHK	PL092496.D	21 Oct 2024 12:46	AR\AJ	Ok
5	PSTDICC100	PL092497.D	21 Oct 2024 13:00	AR\AJ	Ok
6	PSTDICC075	PL092498.D	21 Oct 2024 13:13	AR\AJ	Ok
7	PSTDICC050	PL092499.D	21 Oct 2024 13:26	AR\AJ	Ok
8	PSTDICC025	PL092500.D	21 Oct 2024 13:40	AR\AJ	Ok,M
9	PSTDICC005	PL092501.D	21 Oct 2024 13:53	AR\AJ	Ok,M
10	PCHLORICC1000	PL092502.D	21 Oct 2024 14:07	AR\AJ	Ok
11	PCHLORICC750	PL092503.D	21 Oct 2024 14:20	AR\AJ	Ok
12	PCHLORICC500	PL092504.D	21 Oct 2024 14:33	AR\AJ	Ok
13	PCHLORICC250	PL092505.D	21 Oct 2024 14:47	AR\AJ	Ok,M
14	PCHLORICC050	PL092506.D	21 Oct 2024 15:00	AR\AJ	Ok,M
15	PTOXICC1000	PL092507.D	21 Oct 2024 15:14	AR\AJ	Ok,M
16	PTOXICC750	PL092508.D	21 Oct 2024 15:27	AR\AJ	Ok,M
17	PTOXICC500	PL092509.D	21 Oct 2024 15:40	AR\AJ	Ok
18	PTOXICC250	PL092510.D	21 Oct 2024 15:54	AR\AJ	Ok,M
19	PTOXICC100	PL092511.D	21 Oct 2024 16:07	AR\AJ	Ok,M
20	PSTDICV050	PL092512.D	21 Oct 2024 16:21	AR\AJ	Ok,M
21	PCHLORICV500	PL092513.D	21 Oct 2024 16:34	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102124

Review By	Abdul	Review On	10/22/2024 8:47:55 AM		
Supervise By	Ankita	Supervise On	10/22/2024 9:03:18 AM		
SubDirectory	PL102124	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PL092514.D	21 Oct 2024 18:08	AR\AJ	Ok
23	I.BLK	PL092515.D	21 Oct 2024 18:41	AR\AJ	Ok,M
24	PEM	PL092516.D	21 Oct 2024 18:54	AR\AJ	Ok,M
25	PSTDCCC050	PL092517.D	21 Oct 2024 19:08	AR\AJ	Ok,M
26	PB164288BL	PL092518.D	21 Oct 2024 19:21	AR\AJ	Ok
27	PB164288BS	PL092519.D	21 Oct 2024 19:34	AR\AJ	Ok,M
28	P4455-01	PL092520.D	21 Oct 2024 19:48	AR\AJ	Ok,M
29	P4443-01	PL092521.D	21 Oct 2024 20:01	AR\AJ	Ok,M
30	P4443-06	PL092522.D	21 Oct 2024 20:15	AR\AJ	Ok,M
31	I.BLK	PL092523.D	21 Oct 2024 20:28	AR\AJ	Ok,M
32	PSTDCCC050	PL092524.D	21 Oct 2024 20:42	AR\AJ	Ok,M
33	P4458-01	PL092525.D	21 Oct 2024 20:55	AR\AJ	Ok,M
34	P4458-01MS	PL092526.D	21 Oct 2024 21:08	AR\AJ	Ok,M
35	P4458-01MSD	PL092527.D	21 Oct 2024 21:22	AR\AJ	Ok,M
36	I.BLK	PL092528.D	21 Oct 2024 21:35	AR\AJ	Ok,M
37	PSTDCCC050	PL092529.D	21 Oct 2024 21:49	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102324

Review By	Abdul	Review On	10/24/2024 2:20:58 PM		
Supervise By	Ankita	Supervise On	10/24/2024 2:27:21 PM		
SubDirectory	PL102324	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092550.D	23 Oct 2024 08:11	AR\AJ	Ok
2	I.BLK	PL092551.D	23 Oct 2024 08:24	AR\AJ	Ok,M
3	PEM	PL092552.D	23 Oct 2024 08:38	AR\AJ	Ok,M
4	PSTDCCC050	PL092553.D	23 Oct 2024 09:38	AR\AJ	Ok,M
5	PB164311BL	PL092554.D	23 Oct 2024 09:52	AR\AJ	Ok
6	PB164311BS	PL092555.D	23 Oct 2024 13:33	AR\AJ	Ok,M
7	P4473-01	PL092556.D	23 Oct 2024 13:48	AR\AJ	Ok,M
8	P4474-01	PL092557.D	23 Oct 2024 14:01	AR\AJ	Ok,M
9	P4468-03	PL092558.D	23 Oct 2024 14:14	AR\AJ	Ok,M
10	P4468-05	PL092559.D	23 Oct 2024 14:28	AR\AJ	Ok,M
11	P4485-01	PL092560.D	23 Oct 2024 14:41	AR\AJ	Ok,M
12	P4486-01	PL092561.D	23 Oct 2024 14:55	AR\AJ	Not Ok
13	P4489-01	PL092562.D	23 Oct 2024 15:08	AR\AJ	Ok,M
14	PB164341BL	PL092563.D	23 Oct 2024 15:21	AR\AJ	Ok
15	PB164341BS	PL092564.D	23 Oct 2024 17:22	AR\AJ	Ok,M
16	PB164311BS	PL092565.D	23 Oct 2024 17:42	AR\AJ	Not Ok
17	I.BLK	PL092566.D	23 Oct 2024 17:56	AR\AJ	Ok,M
18	PEM	PL092567.D	23 Oct 2024 18:10	AR\AJ	Ok,M
19	PSTDCCC050	PL092568.D	23 Oct 2024 18:50	AR\AJ	Ok,M
20	P4467-01	PL092569.D	23 Oct 2024 19:04	AR\AJ	Not Ok
21	P4470-01	PL092570.D	23 Oct 2024 19:17	AR\AJ	Not Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102324

Review By	Abdul	Review On	10/24/2024 2:20:58 PM		
Supervise By	Ankita	Supervise On	10/24/2024 2:27:21 PM		
SubDirectory	PL102324	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4472-01	PL092571.D	23 Oct 2024 19:31	AR\AJ	Not Ok
23	P4472-01MS	PL092572.D	23 Oct 2024 19:44	AR\AJ	Not Ok
24	P4472-01MSD	PL092573.D	23 Oct 2024 19:58	AR\AJ	Not Ok
25	P4472-05	PL092574.D	23 Oct 2024 20:11	AR\AJ	Not Ok
26	P4487-01	PL092575.D	23 Oct 2024 20:25	AR\AJ	Not Ok
27	P4487-05	PL092576.D	23 Oct 2024 20:38	AR\AJ	Not Ok
28	P4487-05MS	PL092577.D	23 Oct 2024 20:52	AR\AJ	Not Ok
29	P4487-05MSD	PL092578.D	23 Oct 2024 21:05	AR\AJ	Not Ok
30	PB164360BL	PL092579.D	23 Oct 2024 21:18	AR\AJ	Not Ok
31	PB164360BS	PL092580.D	23 Oct 2024 21:32	AR\AJ	Not Ok
32	PB164261TB	PL092581.D	23 Oct 2024 21:46	AR\AJ	Not Ok
33	P4397-06	PL092582.D	23 Oct 2024 21:59	AR\AJ	Not Ok
34	P4397-06MS	PL092583.D	23 Oct 2024 22:12	AR\AJ	Not Ok
35	P4397-06MSD	PL092584.D	23 Oct 2024 22:26	AR\AJ	Not Ok
36	P4460-04	PL092585.D	23 Oct 2024 22:39	AR\AJ	Not Ok
37	I.BLK	PL092586.D	23 Oct 2024 22:53	AR\AJ	Not Ok
38	PSTDCCC050	PL092587.D	24 Oct 2024 00:27	AR\AJ	Not Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102424

Review By	Abdul	Review On	10/25/2024 3:26:14 PM		
Supervise By	Ankita	Supervise On	10/28/2024 10:35:47 AM		
SubDirectory	PL102424	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092588.D	24 Oct 2024 09:39	AR\AJ	Ok
2	I.BLK	PL092589.D	24 Oct 2024 09:53	AR\AJ	Ok
3	PEM	PL092590.D	24 Oct 2024 10:06	AR\AJ	Ok,M
4	PSTDCCC050	PL092591.D	24 Oct 2024 10:19	AR\AJ	Ok,M
5	P4467-01	PL092592.D	24 Oct 2024 10:55	AR\AJ	Ok,M
6	P4470-01	PL092593.D	24 Oct 2024 11:08	AR\AJ	Ok,M
7	P4472-01	PL092594.D	24 Oct 2024 11:22	AR\AJ	Ok,M
8	P4472-01MS	PL092595.D	24 Oct 2024 11:35	AR\AJ	Ok,M
9	P4472-01MSD	PL092596.D	24 Oct 2024 11:49	AR\AJ	Ok,M
10	P4472-05	PL092597.D	24 Oct 2024 12:02	AR\AJ	Ok,M
11	P4487-01	PL092598.D	24 Oct 2024 12:15	AR\AJ	Ok,M
12	P4487-05	PL092599.D	24 Oct 2024 12:29	AR\AJ	Ok,M
13	P4487-05MS	PL092600.D	24 Oct 2024 12:42	AR\AJ	Ok,M
14	P4487-05MSD	PL092601.D	24 Oct 2024 12:56	AR\AJ	Ok,M
15	PB164360BL	PL092602.D	24 Oct 2024 13:09	AR\AJ	Ok
16	PB164360BS	PL092603.D	24 Oct 2024 13:22	AR\AJ	Not Ok
17	PB164261TB	PL092604.D	24 Oct 2024 13:36	AR\AJ	Ok
18	P4397-06	PL092605.D	24 Oct 2024 13:49	AR\AJ	Ok,M
19	P4397-06MS	PL092606.D	24 Oct 2024 14:03	AR\AJ	Ok,M
20	P4397-06MSD	PL092607.D	24 Oct 2024 14:16	AR\AJ	Ok,M
21	P4460-04	PL092608.D	24 Oct 2024 14:30	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102424

Review By	Abdul	Review On	10/25/2024 3:26:14 PM		
Supervise By	Ankita	Supervise On	10/28/2024 10:35:47 AM		
SubDirectory	PL102424	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4486-01	PL092609.D	24 Oct 2024 16:04	AR\AJ	Ok,M
23	PB164365BS	PL092610.D	24 Oct 2024 16:17	AR\AJ	Ok,M
24	PB164365BL	PL092611.D	24 Oct 2024 16:35	AR\AJ	Ok,M
25	I.BLK	PL092612.D	24 Oct 2024 16:48	AR\AJ	Ok,M
26	PSTDCCC050	PL092613.D	24 Oct 2024 17:20	AR\AJ	Ok,M
27	PB164360BS	PL092614.D	24 Oct 2024 17:38	AR\AJ	Not Ok
28	P4508-01	PL092615.D	24 Oct 2024 17:52	AR\AJ	Ok,M
29	P4508-05	PL092616.D	24 Oct 2024 18:05	AR\AJ	Ok,M
30	P4508-09	PL092617.D	24 Oct 2024 18:19	AR\AJ	Ok,M
31	P4508-09MS	PL092618.D	24 Oct 2024 18:32	AR\AJ	Ok,M
32	P4508-09MSD	PL092619.D	24 Oct 2024 18:46	AR\AJ	Ok,M
33	P4509-01	PL092620.D	24 Oct 2024 18:59	AR\AJ	Ok,M
34	P4512-03	PL092621.D	24 Oct 2024 19:12	AR\AJ	Ok,M
35	I.BLK	PL092622.D	24 Oct 2024 19:26	AR\AJ	Ok,M
36	PSTDCCC050	PL092623.D	24 Oct 2024 19:39	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102124

Review By	Abdul	Review On	10/22/2024 8:47:55 AM		
Supervise By	Ankita	Supervise On	10/22/2024 9:03:18 AM		
SubDirectory	PL102124	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092493.D	21 Oct 2024 12:06		AR\AJ	Ok
2	I.BLK	I.BLK	PL092494.D	21 Oct 2024 12:19		AR\AJ	Ok
3	PEM	PEM	PL092495.D	21 Oct 2024 12:33		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL092496.D	21 Oct 2024 12:46		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL092497.D	21 Oct 2024 13:00		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL092498.D	21 Oct 2024 13:13		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL092499.D	21 Oct 2024 13:26		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL092500.D	21 Oct 2024 13:40		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL092501.D	21 Oct 2024 13:53		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL092502.D	21 Oct 2024 14:07		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL092503.D	21 Oct 2024 14:20		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL092504.D	21 Oct 2024 14:33		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL092505.D	21 Oct 2024 14:47		AR\AJ	Ok,M
14	PCHLORICC050	PCHLORICC050	PL092506.D	21 Oct 2024 15:00		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL092507.D	21 Oct 2024 15:14		AR\AJ	Ok,M
16	PTOXICC750	PTOXICC750	PL092508.D	21 Oct 2024 15:27		AR\AJ	Ok,M
17	PTOXICC500	PTOXICC500	PL092509.D	21 Oct 2024 15:40		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL092510.D	21 Oct 2024 15:54		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102124

Review By	Abdul	Review On	10/22/2024 8:47:55 AM		
Supervise By	Ankita	Supervise On	10/22/2024 9:03:18 AM		
SubDirectory	PL102124	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PTOXICC100	PTOXICC100	PL092511.D	21 Oct 2024 16:07		AR\AJ	Ok,M
20	PSTDICV050	ICVPL102124	PL092512.D	21 Oct 2024 16:21		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL102124CHLOR	PL092513.D	21 Oct 2024 16:34		AR\AJ	Ok,M
22	PTOXICV500	ICVPL102124	PL092514.D	21 Oct 2024 18:08		AR\AJ	Ok
23	I.BLK	I.BLK	PL092515.D	21 Oct 2024 18:41		AR\AJ	Ok,M
24	PEM	PEM	PL092516.D	21 Oct 2024 18:54		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL092517.D	21 Oct 2024 19:08		AR\AJ	Ok,M
26	PB164288BL	PB164288BL	PL092518.D	21 Oct 2024 19:21		AR\AJ	Ok
27	PB164288BS	PB164288BS	PL092519.D	21 Oct 2024 19:34		AR\AJ	Ok,M
28	P4455-01	SU-4-101824	PL092520.D	21 Oct 2024 19:48		AR\AJ	Ok,M
29	P4443-01	OG-315-HR-502-COMF	PL092521.D	21 Oct 2024 20:01		AR\AJ	Ok,M
30	P4443-06	OG-315-HR-502-COMF	PL092522.D	21 Oct 2024 20:15		AR\AJ	Ok,M
31	I.BLK	I.BLK	PL092523.D	21 Oct 2024 20:28		AR\AJ	Ok,M
32	PSTDCCC050	PSTDCCC050	PL092524.D	21 Oct 2024 20:42		AR\AJ	Ok,M
33	P4458-01	280517	PL092525.D	21 Oct 2024 20:55		AR\AJ	Ok,M
34	P4458-01MS	280517MS	PL092526.D	21 Oct 2024 21:08	Some compound recovery fail	AR\AJ	Ok,M
35	P4458-01MSD	280517MSD	PL092527.D	21 Oct 2024 21:22	Some compound recovery fail, RPD fail	AR\AJ	Ok,M
36	I.BLK	I.BLK	PL092528.D	21 Oct 2024 21:35		AR\AJ	Ok,M
37	PSTDCCC050	PSTDCCC050	PL092529.D	21 Oct 2024 21:49		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102124

Review By	Abdul	Review On	10/22/2024 8:47:55 AM		
Supervise By	Ankita	Supervise On	10/22/2024 9:03:18 AM		
SubDirectory	PL102124	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102324

Review By	Abdul	Review On	10/24/2024 2:20:58 PM		
Supervise By	Ankita	Supervise On	10/24/2024 2:27:21 PM		
SubDirectory	PL102324	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092550.D	23 Oct 2024 08:11		AR\AJ	Ok
2	I.BLK	I.BLK	PL092551.D	23 Oct 2024 08:24		AR\AJ	Ok,M
3	PEM	PEM	PL092552.D	23 Oct 2024 08:38		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL092553.D	23 Oct 2024 09:38		AR\AJ	Ok,M
5	PB164311BL	PB164311BL	PL092554.D	23 Oct 2024 09:52		AR\AJ	Ok
6	PB164311BS	PB164311BS	PL092555.D	23 Oct 2024 13:33	Mirex high in 1st col	AR\AJ	Ok,M
7	P4473-01	TS-1	PL092556.D	23 Oct 2024 13:48		AR\AJ	Ok,M
8	P4474-01	TS-2	PL092557.D	23 Oct 2024 14:01		AR\AJ	Ok,M
9	P4468-03	ETGI-329	PL092558.D	23 Oct 2024 14:14		AR\AJ	Ok,M
10	P4468-05	ETGI-345	PL092559.D	23 Oct 2024 14:28		AR\AJ	Ok,M
11	P4485-01	D20241001-01-04	PL092560.D	23 Oct 2024 14:41		AR\AJ	Ok,M
12	P4486-01	EO-03-102224	PL092561.D	23 Oct 2024 14:55	F flag 2nd column	AR\AJ	Not Ok
13	P4489-01	RT-2675	PL092562.D	23 Oct 2024 15:08		AR\AJ	Ok,M
14	PB164341BL	PB164341BL	PL092563.D	23 Oct 2024 15:21		AR\AJ	Ok
15	PB164341BS	PB164341BS	PL092564.D	23 Oct 2024 17:22	Mirex low in 1st col	AR\AJ	Ok,M
16	PB164311BS	PB164311BS	PL092565.D	23 Oct 2024 17:42	Mirex low in 1st col, Already run	AR\AJ	Not Ok
17	I.BLK	I.BLK	PL092566.D	23 Oct 2024 17:56		AR\AJ	Ok,M
18	PEM	PEM	PL092567.D	23 Oct 2024 18:10		AR\AJ	Ok,M

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102324

Review By	Abdul	Review On	10/24/2024 2:20:58 PM		
Supervise By	Ankita	Supervise On	10/24/2024 2:27:21 PM		
SubDirectory	PL102324	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PSTDCCC050	PSTDCCC050	PL092568.D	23 Oct 2024 18:50		AR\AJ	Ok,M
20	P4467-01	TP-1	PL092569.D	23 Oct 2024 19:04	CCC Fail	AR\AJ	Not Ok
21	P4470-01	CL-01-102124	PL092570.D	23 Oct 2024 19:17	CCC Fail	AR\AJ	Not Ok
22	P4472-01	BP-F-28	PL092571.D	23 Oct 2024 19:31	CCC Fail	AR\AJ	Not Ok
23	P4472-01MS	BP-F-28MS	PL092572.D	23 Oct 2024 19:44	CCC Fail	AR\AJ	Not Ok
24	P4472-01MSD	BP-F-28MSD	PL092573.D	23 Oct 2024 19:58	CCC Fail	AR\AJ	Not Ok
25	P4472-05	BP-F-6	PL092574.D	23 Oct 2024 20:11	CCC Fail	AR\AJ	Not Ok
26	P4487-01	BP-B5	PL092575.D	23 Oct 2024 20:25	CCC Fail	AR\AJ	Not Ok
27	P4487-05	BP-F27	PL092576.D	23 Oct 2024 20:38	CCC Fail	AR\AJ	Not Ok
28	P4487-05MS	BP-F27MS	PL092577.D	23 Oct 2024 20:52	CCC Fail	AR\AJ	Not Ok
29	P4487-05MSD	BP-F27MSD	PL092578.D	23 Oct 2024 21:05	CCC Fail	AR\AJ	Not Ok
30	PB164360BL	PB164360BL	PL092579.D	23 Oct 2024 21:18	CCC Fail	AR\AJ	Not Ok
31	PB164360BS	PB164360BS	PL092580.D	23 Oct 2024 21:32	CCC Fail	AR\AJ	Not Ok
32	PB164261TB	PB164261TB	PL092581.D	23 Oct 2024 21:46	CCC Fail	AR\AJ	Not Ok
33	P4397-06	WB-301-BOT	PL092582.D	23 Oct 2024 21:59	CCC Fail	AR\AJ	Not Ok
34	P4397-06MS	WB-301-BOTMS	PL092583.D	23 Oct 2024 22:12	CCC Fail	AR\AJ	Not Ok
35	P4397-06MSD	WB-301-BOTMSD	PL092584.D	23 Oct 2024 22:26	CCC Fail	AR\AJ	Not Ok
36	P4460-04	WB-303-BOT	PL092585.D	23 Oct 2024 22:39	CCC Fail	AR\AJ	Not Ok
37	I.BLK	I.BLK	PL092586.D	23 Oct 2024 22:53	CCC Fail	AR\AJ	Not Ok

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Fax : 908 789 8922

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102324

Review By	Abdul	Review On	10/24/2024 2:20:58 PM		
Supervise By	Ankita	Supervise On	10/24/2024 2:27:21 PM		
SubDirectory	PL102324	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PSTDCCC050	PSTDCCC050	PL092587.D	24 Oct 2024 00:27	CCC Fail	AR\AJ	Not Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102424

Review By	Abdul	Review On	10/25/2024 3:26:14 PM		
Supervise By	Ankita	Supervise On	10/28/2024 10:35:47 AM		
SubDirectory	PL102424	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092588.D	24 Oct 2024 09:39		AR\AJ	Ok
2	I.BLK	I.BLK	PL092589.D	24 Oct 2024 09:53		AR\AJ	Ok
3	PEM	PEM	PL092590.D	24 Oct 2024 10:06		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL092591.D	24 Oct 2024 10:19		AR\AJ	Ok,M
5	P4467-01	TP-1	PL092592.D	24 Oct 2024 10:55		AR\AJ	Ok,M
6	P4470-01	CL-01-102124	PL092593.D	24 Oct 2024 11:08		AR\AJ	Ok,M
7	P4472-01	BP-F-28	PL092594.D	24 Oct 2024 11:22		AR\AJ	Ok,M
8	P4472-01MS	BP-F-28MS	PL092595.D	24 Oct 2024 11:35		AR\AJ	Ok,M
9	P4472-01MSD	BP-F-28MSD	PL092596.D	24 Oct 2024 11:49		AR\AJ	Ok,M
10	P4472-05	BP-F-6	PL092597.D	24 Oct 2024 12:02		AR\AJ	Ok,M
11	P4487-01	BP-B5	PL092598.D	24 Oct 2024 12:15		AR\AJ	Ok,M
12	P4487-05	BP-F27	PL092599.D	24 Oct 2024 12:29		AR\AJ	Ok,M
13	P4487-05MS	BP-F27MS	PL092600.D	24 Oct 2024 12:42		AR\AJ	Ok,M
14	P4487-05MSD	BP-F27MSD	PL092601.D	24 Oct 2024 12:56		AR\AJ	Ok,M
15	PB164360BL	PB164360BL	PL092602.D	24 Oct 2024 13:09		AR\AJ	Ok
16	PB164360BS	PB164360BS	PL092603.D	24 Oct 2024 13:22	Recovery Fail higher side ,Methoxychlor-I and Mirex-I	AR\AJ	Not Ok
17	PB164261TB	PB164261TB	PL092604.D	24 Oct 2024 13:36		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102424

Review By	Abdul	Review On	10/25/2024 3:26:14 PM		
Supervise By	Ankita	Supervise On	10/28/2024 10:35:47 AM		
SubDirectory	PL102424	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4397-06	WB-301-BOT	PL092605.D	24 Oct 2024 13:49		AR\AJ	Ok,M
19	P4397-06MS	WB-301-BOTMS	PL092606.D	24 Oct 2024 14:03		AR\AJ	Ok,M
20	P4397-06MSD	WB-301-BOTMSD	PL092607.D	24 Oct 2024 14:16		AR\AJ	Ok,M
21	P4460-04	WB-303-BOT	PL092608.D	24 Oct 2024 14:30		AR\AJ	Ok,M
22	P4486-01	EO-03-102224	PL092609.D	24 Oct 2024 16:04		AR\AJ	Ok,M
23	PB164365BS	PB164365BS	PL092610.D	24 Oct 2024 16:17		AR\AJ	Ok,M
24	PB164365BL	PB164365BL	PL092611.D	24 Oct 2024 16:35		AR\AJ	Ok,M
25	I.BLK	I.BLK	PL092612.D	24 Oct 2024 16:48		AR\AJ	Ok,M
26	PSTDCCC050	PSTDCCC050	PL092613.D	24 Oct 2024 17:20		AR\AJ	Ok,M
27	PB164360BS	PB164360BS	PL092614.D	24 Oct 2024 17:38	Recovery Fail Higher side, Methoxychlor-I	AR\AJ	Not Ok
28	P4508-01	TP-3	PL092615.D	24 Oct 2024 17:52		AR\AJ	Ok,M
29	P4508-05	BP-F23	PL092616.D	24 Oct 2024 18:05		AR\AJ	Ok,M
30	P4508-09	BP-F22	PL092617.D	24 Oct 2024 18:19		AR\AJ	Ok,M
31	P4508-09MS	BP-F22MS	PL092618.D	24 Oct 2024 18:32		AR\AJ	Ok,M
32	P4508-09MSD	BP-F22MSD	PL092619.D	24 Oct 2024 18:46		AR\AJ	Ok,M
33	P4509-01	AU-06-10232024	PL092620.D	24 Oct 2024 18:59		AR\AJ	Ok,M
34	P4512-03	VNJ-212	PL092621.D	24 Oct 2024 19:12		AR\AJ	Ok,M
35	I.BLK	I.BLK	PL092622.D	24 Oct 2024 19:26		AR\AJ	Ok,M
36	PSTDCCC050	PSTDCCC050	PL092623.D	24 Oct 2024 19:39		AR\AJ	Ok,M

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Fax : 908 789 8922

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102424

Review By	Abdul	Review On	10/25/2024 3:26:14 PM		
Supervise By	Ankita	Supervise On	10/28/2024 10:35:47 AM		
SubDirectory	PL102424	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/23/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:30
In Date: 10/22/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 10/23/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133050

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
P4473-01	TS-1	1	1.15	8.77	9.92	5.43	48.8	
P4474-01	TS-2	2	1.13	8.66	9.79	5.3	48.2	
P4485-01	D20241001-01-04	3	1.14	8.83	9.97	6.28	58.2	
P4486-01	EO-03-102224	4	1.19	8.57	9.76	9.27	94.3	
P4486-02	EO-03-102224-E2	5	1.18	8.48	9.66	9.13	93.8	
P4487-01	BP-B5	6	1.12	8.64	9.76	8.94	90.5	
P4487-02	BP-B5-EPH	7	1.18	8.59	9.77	8.98	90.8	
P4487-03	BP-B5-VOC	8	1.18	8.56	9.74	8.94	90.7	
P4487-05	BP-F27	9	1.14	8.83	9.97	9.06	89.7	
P4487-06	BP-F27-EPH	10	1.14	8.52	9.66	8.85	90.5	
P4487-07	BP-B27-VOC	11	1.12	8.70	9.82	8.96	90.1	
P4488-01	OIL-1	12	1.00	1.00	2.00	2.00	100.0	oil sample
P4488-02	1017-B	13	1.00	1.00	2.00	2.00	100.0	oil sample
P4489-01	RT-2675	14	1.14	8.58	9.72	8.93	90.8	
P4489-02	RT-2675-E2	15	1.17	8.50	9.67	8.86	90.5	

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

WORKLIST(Hardcopy Internal Chain)

VB133050

WorkList Name : %1-102224 **WorkList ID :** 184646 **Department :** Wet-Chemistry **Date :** 10-22-2024 08:07:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4473-01	TS-1	Solid	Percent Solids	Cool 4 deg C	YANN01	K61	10/18/2024	Chemtech -SO
P4474-01	TS-2	Solid	Percent Solids	Cool 4 deg C	YANN01	K61	10/18/2024	Chemtech -SO
P4485-01	D20241001-01-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	K62	10/22/2024	Chemtech -SO
P4486-01	EO-03-102224	Solid	Percent Solids	Cool 4 deg C	PSEG05	K62	10/22/2024	Chemtech -SO
P4486-02	EO-03-102224-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K62	10/22/2024	Chemtech -SO
P4487-01	BP-B5	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4487-02	BP-B5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4487-03	BP-B5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4487-05	BP-F27	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4487-06	BP-F27-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4487-07	BP-B27-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4488-01	OIL-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4488-02	1017-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4489-01	RT-2675	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4489-02	RT-2675-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO

Date/Time 10/22/24 15:40
Raw Sample Received by: JB WC
Raw Sample Relinquished by: AP SM

Date/Time 10/22/24 17:00
Raw Sample Received by: AP SM
Raw Sample Relinquished by: JB WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164311

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	10/22/2024
Matrix :	Solid			**Extraction Start Time :**	10:10
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	10/22/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	13:10
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP23638
Surrogate	1.0ML	200 PPB	PP23858
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2539
Baked Na2SO4	N/A	EP2551
Sand	N/A	E2865
Hexane	N/A	E3819
Florisil	N/A	E3806
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

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
10/22/24	RP (Extr. Lab)	R. Post / PCB Lab
13:15	**Preparation Group**	**Analysis Group**

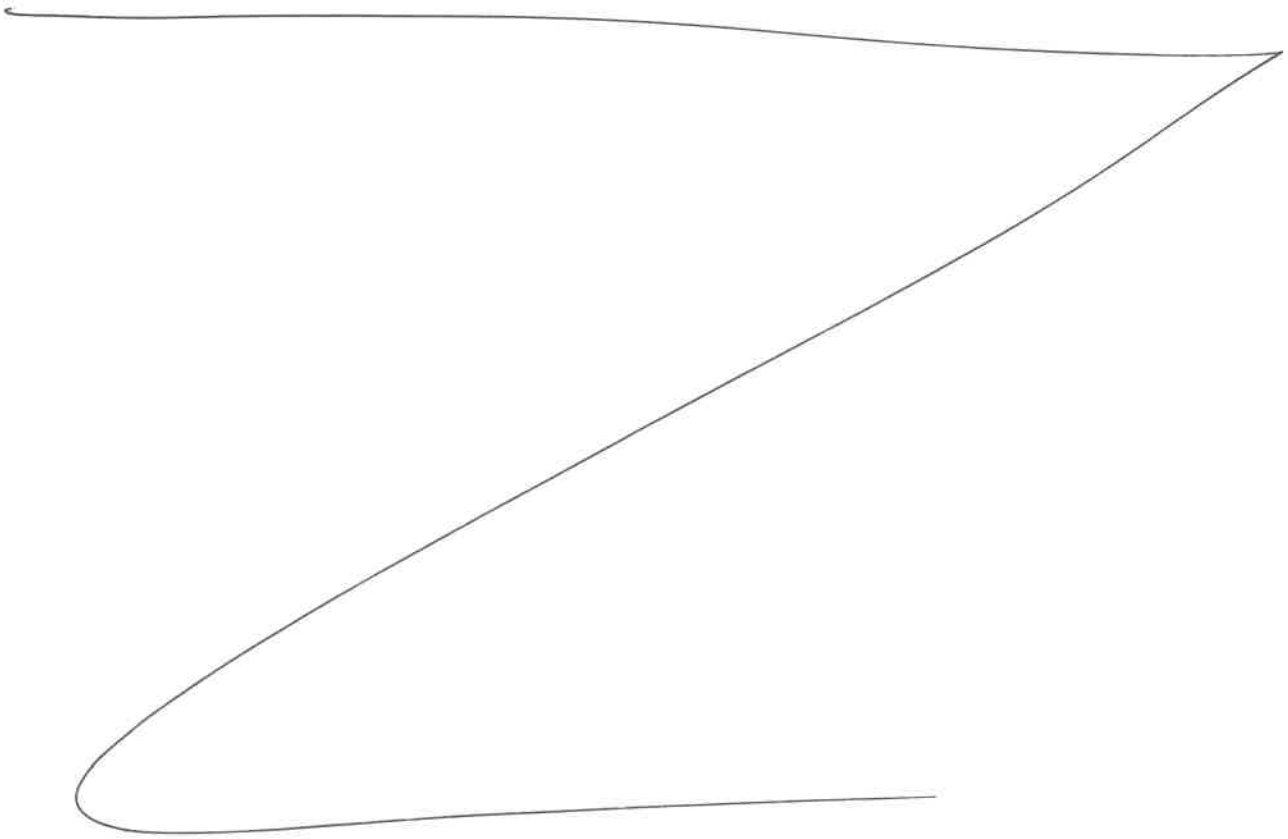
Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164311

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 10/22/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164311BL	PBLK311	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U7-1
PB164311BS	PLCS311	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			2
P4467-01	TP-1	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
P4468-03	ETGI-329	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		4
P4468-05	ETGI-345	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		5
P4470-01	CL-01-102124	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		6
P4472-01	BP-F-28	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		U1-1
P4472-01MS	BP-F-28MS	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		2
P4472-01MSD	BP-F-28MSD	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
P4472-05	BP-F-6	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		4
P4473-01	TS-1	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	C		5
P4474-01	TS-2	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	B		6



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

10/22/24

16431
10:10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4468 **WorkList ID :** 184650 **Department :** Extraction **Date :** 10-22-2024 08:23:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4467-01	TP-1	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	K41	10/21/2024	8081B
P4468-03	ETGI-329	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	K51	10/21/2024	8081B
P4468-05	ETGI-345	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	K51	10/21/2024	8081B
P4470-01	CL-01-102124	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	K51	10/21/2024	8081B
P4472-01	BP-F-28	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	K51	10/21/2024	8081B
P4472-05	BP-F-6	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	K51	10/21/2024	8081B
P4473-01	TS-1	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	K51	10/21/2024	8081B
P4474-01	TS-2	Solid	Pesticide-TCL	Cool 4 deg C	YANN01	K61	10/18/2024	8081B
P4474-01	TS-2	Solid	Pesticide-TCL	Cool 4 deg C	YANN01	K61	10/18/2024	8081B

Date/Time 10/22/24 10:05
Raw Sample Received by: RJ (Ecol Lux)
Raw Sample Relinquished by: SM

Date/Time 10/22/24 10:35
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (Ecol Lux)

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

Prep Standard - Chemical Standard Summary

Order ID : P4474

Test : Pesticide-TCL

Prepbatch ID : PB164311,

Sequence ID/Qc Batch ID: PL102324,PL102424,

Standard ID :
EP2539,EP2551,PP23474,PP23476,PP23517,PP23638,PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683,PP23686,PP23687,PP23690,PP23693,PP23695,PP23698,PP23733,PP23793,PP23858,

Chemical ID :
E2865,E3551,E3762,E3770,E3788,E3792,E3793,E3805,E3806,E3815,E3819,P 11145,P11146,P11896,P13035,P13036,P13039,P13244,P13349,P13350,P13351,P13359,P13402,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2539	09/17/2024	03/11/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 09/17/2024

FROM 4000.00000ml of E3792 + 4000.00000ml of E3793 = Final Quantity: 8000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2551	10/18/2024	01/03/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 10/18/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1472	20 PPM Pest Stock Solution 2nd Source	PP23474	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani 06/21/2024

FROM 1.00000ml of P13035 + 9.00000ml of E3762 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3663	20 PPM MIREX Stock STD (Secondary source)	PP23476	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani 06/21/2024

FROM 0.20000ml of P11145 + 9.80000ml of E3762 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4027	Pesticide resolution Check Mixture 8081	PP23517	07/12/2024	01/12/2025	Abdul Mirza	None	None	Ankita Jodhani 07/16/2024

FROM 1.00000ml of E3770 + 99.00000ml of P13244 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
79	500 PPB Pesticide Spike Solution	PP23638	09/05/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani 09/10/2024

FROM 95.00000ml of E3788 + 2.50000ml of PP23474 + 2.50000ml of PP23476 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP23673	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 1.00000ml of P13349 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP23674	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 1.00000ml of P13036 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1472	20 PPM Pest Stock Solution 2nd Source	PP23675	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 1.00000ml of P13039 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1273	20 PPM Mirex Stock (Primary Source)	PP23676	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.20000ml of P11146 + 9.80000ml of E3792 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3663	20 PPM MIREX Stock STD (Secondary source)	PP23677	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.20000ml of P11146 + 9.80000ml of E3792 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP23678	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23674 + 0.50000ml of PP23676 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
80	100/100 PPB Pesticide Working Solution 2nd Source	PP23679	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23675 + 0.50000ml of PP23677 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
386	1000/100 PPB Chlordane STD (Restek)	PP23680	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP23681	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
383	1000/100 PPB Toxaphene STD (Restek)	PP23682	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.10000ml of P13359 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP23683	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.10000ml of P13402 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3632	50 PPB ICAL PEST STD(RESTEK)	PP23686	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23678 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3988	50 PPB PEST ICV STD(RESTEK)	PP23687	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23679 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
529	CHLOR 500 PPB STD	PP23690	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23680 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
532	CHLOR 500 PPB ICV STD	PP23693	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23681 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
534	TOX 500 PPB STD	PP23695	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23682 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3670	TOX 500 PPB ICV std (RESTEK)	PP23698	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23683 = Final Quantity: 1.000 ml

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

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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
518	Pest/PCB I.BLK 20 PPB	PP23793	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 99.90000ml of E3805 + 0.10000ml of PP23733 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP23858	10/14/2024	04/04/2025	Abdul Mirza	None	None	Ankita Jodhani 10/14/2024

FROM 1.00000ml of P13351 + 999.00000ml of E3815 = Final Quantity: 1000.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	12/31/2024	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	12/18/2024	06/18/2024 / Rajesh	06/17/2024 / Rajesh	E3762

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	04/15/2025	07/12/2024 / Rajesh	07/02/2024 / Rajesh	E3770

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	04/23/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3792

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3793

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M06518	03/25/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/04/2025	10/04/2024 / Rajesh	10/04/2024 / Rajesh	E3815

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	04/15/2025	10/15/2024 / Rajesh	10/09/2024 / Rajesh	E3819

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	102821	12/20/2024	06/20/2024 / Abdul	10/29/2021 / Abdul	P11145

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	102821	03/21/2025	09/21/2024 / Abdul	10/29/2021 / Abdul	P11146

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0181737	03/21/2025	09/21/2024 / Abdul	06/17/2022 / Abdul	P11896

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	12/20/2024	06/20/2024 / Abdul	12/26/2023 / Abdul	P13035

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	03/21/2025	09/21/2024 / Abdul	12/26/2023 / Abdul	P13036

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	03/21/2025	09/21/2024 / Abdul	12/26/2023 / Abdul	P13039

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	01/12/2025	07/12/2024 / Abdul	02/09/2024 / Abdul	P13244

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	03/21/2025	09/21/2024 / Abdul	04/22/2024 / Abdul	P13349

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/14/2025	10/14/2024 / Abdul	04/22/2024 / Abdul	P13351

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203830	03/21/2025	09/21/2024 / Abdul	05/03/2024 / Abdul	P13359

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	03/21/2025	09/21/2024 / Abdul	05/15/2024 / Abdul	P13402

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

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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

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

avantor™ | J.T.Baker®

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

Certificate of Analysis

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

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

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

Recd by RP on 6/14/24

E 3962

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

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

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

Recd. by RP on 7/21/24

E 3769

Ken Koehnlein
Sr. Manager, Quality Assurance

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

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

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

Recd. by RP on 8/13/24

E 3788

Ken Koehnlein
Sr. Manager, Quality Assurance

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

avantor™ | J.T.Baker®

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

Certificate of Analysis

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

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

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

Recd by RP on 09/11/24

E 3792

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

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 9/11/24

E3793

Acetone
CMOS

avantor™ | J.T.Baker®

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

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

>>> Continued on page 3 >>>

Acetone
CMOS

avantor™ | J.T.Baker®

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

Test	Specification	Result

For Microelectronic Use

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

Michelle Bales
Sr. Manager, Quality Assurance

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

avantor™ | J.T.Baker®

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

Certificate of Analysis

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

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

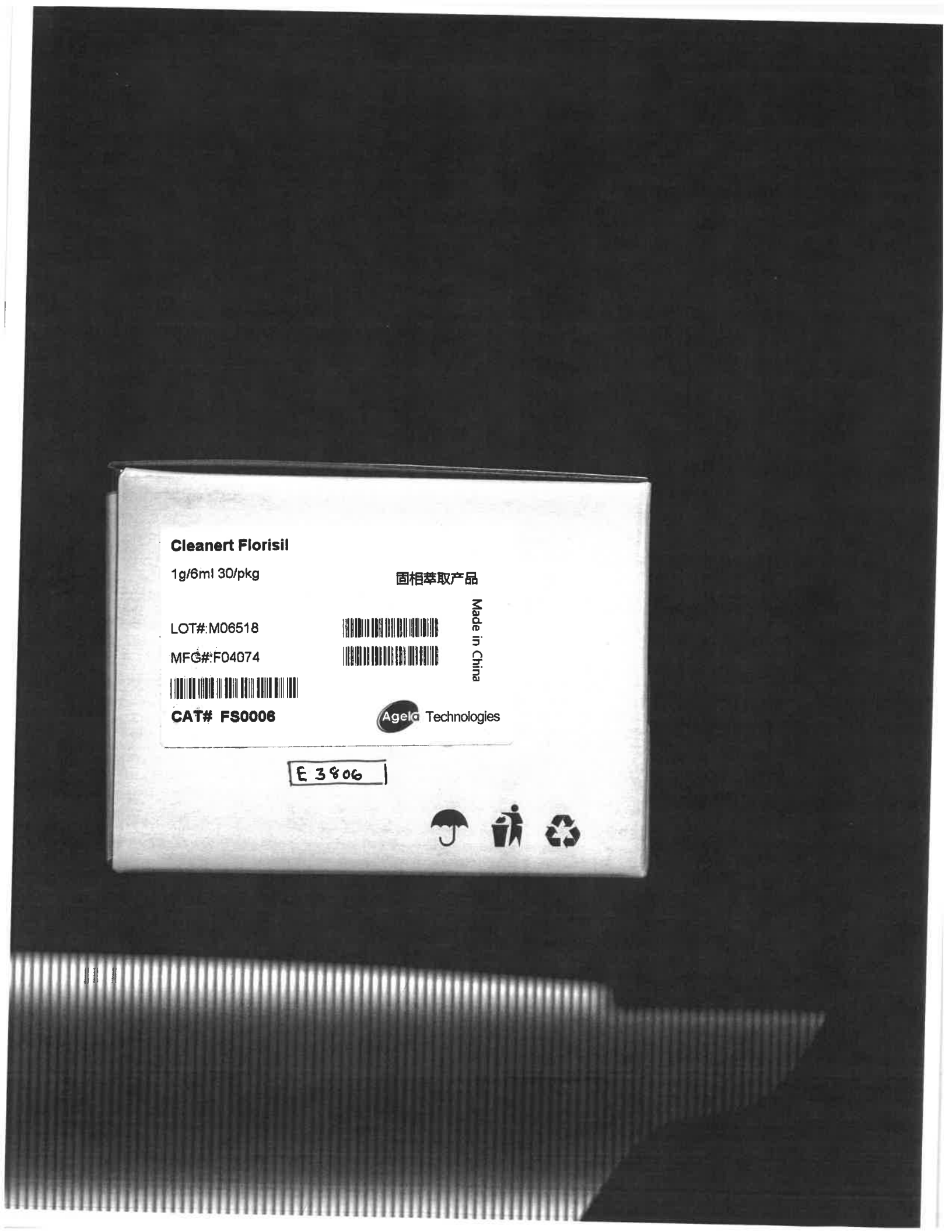
Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 9/25/24

E3805

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production


Cleanert Florisil
1g/6ml 30/pkg
固相萃取产品
LOT#:M06518
MFG#:F04074
CAT# FS0006
Made in China
Agela Technologies
E3806

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

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

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

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

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

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

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

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

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

avantor™ | J.T.Baker®

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

Certificate of Analysis

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

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

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

Recd. by RP on 10/09/24

E 3819

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

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32021 **Lot No.:** A0181737

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

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

Expiration Date : May 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Chlordane	1,006.0 µg/mL	+/- 5.9753	µg/mL	Gravimetric
	CAS # 57-74-9 (Lot 978545)		+/- 31.8975	µg/mL	Unstressed
	Purity ----%		+/- 41.6615	µg/mL	Stressed

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

P 11892 ↓ P 11896 (5)

06/17/2022

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

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

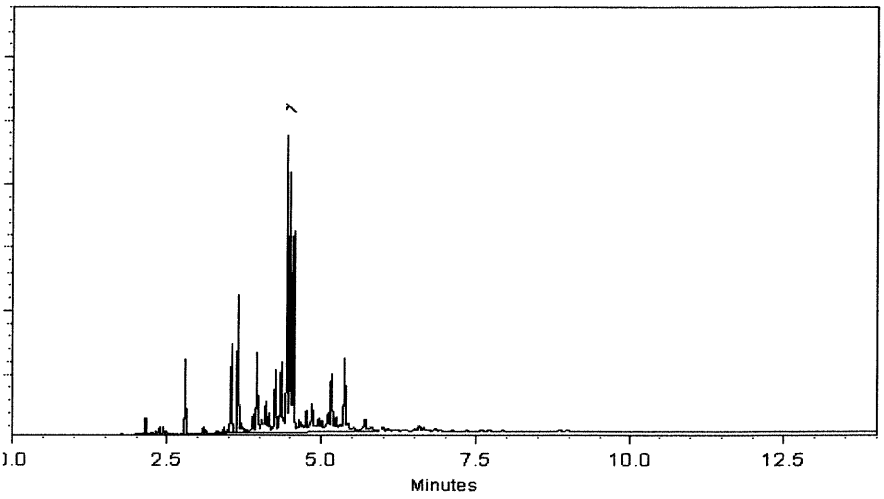
Carrier Gas:
helium-constant pressure 20 psi.

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

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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

Josh McCloskey - Operations Technician I

Date Mixed: 11-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 24-Feb-2022

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

P 11892 | (5)
↓
P 11896
1

06/17/2022

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

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CERTIFIED REFERENCE MATERIAL

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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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.

P130397 } 5
↓
P130431

Catalog No. : 32291 **Lot No.:** A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

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

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

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

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039 5
↓
P 13043 1
12/26/23

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

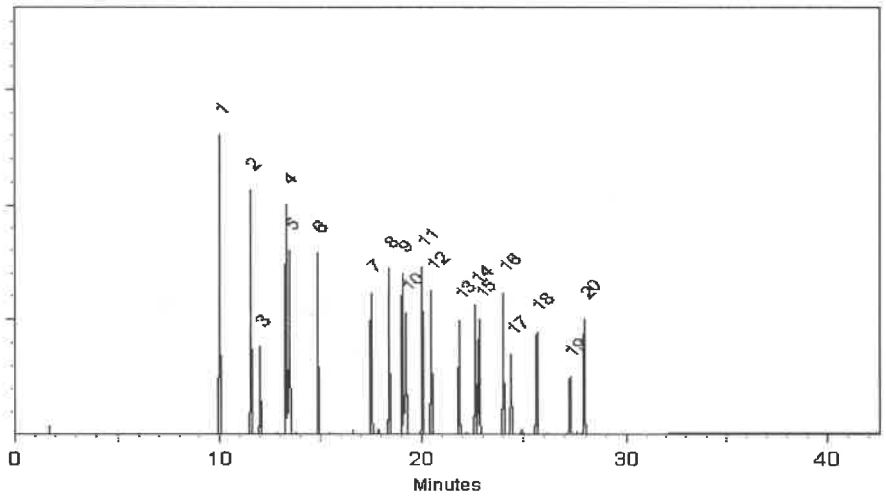
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

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.

Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-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: 79136
Lot Number: 102821
Description: Mirex

Expiration Date: 102826
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

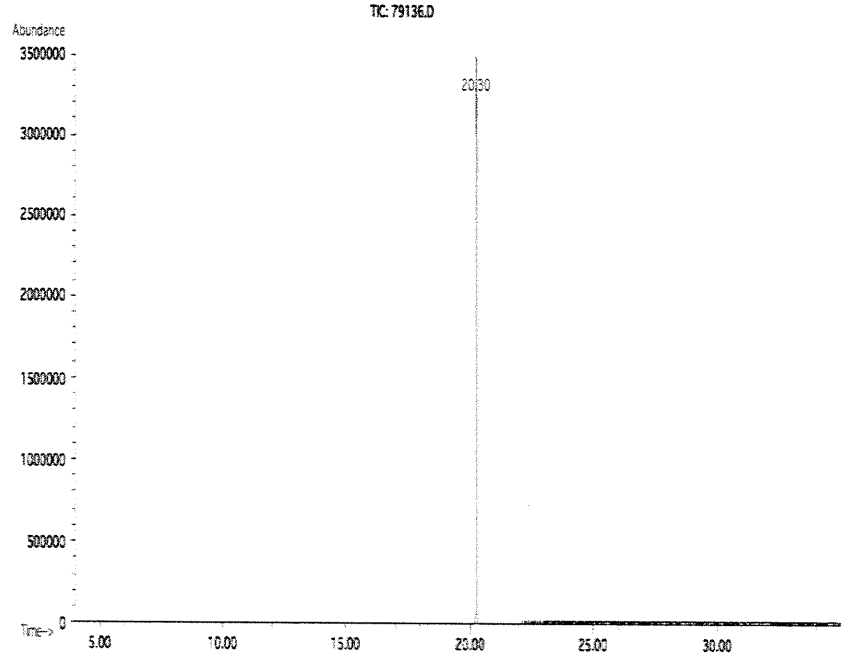
Solvent(s): **Lot#**
Acetone 81025

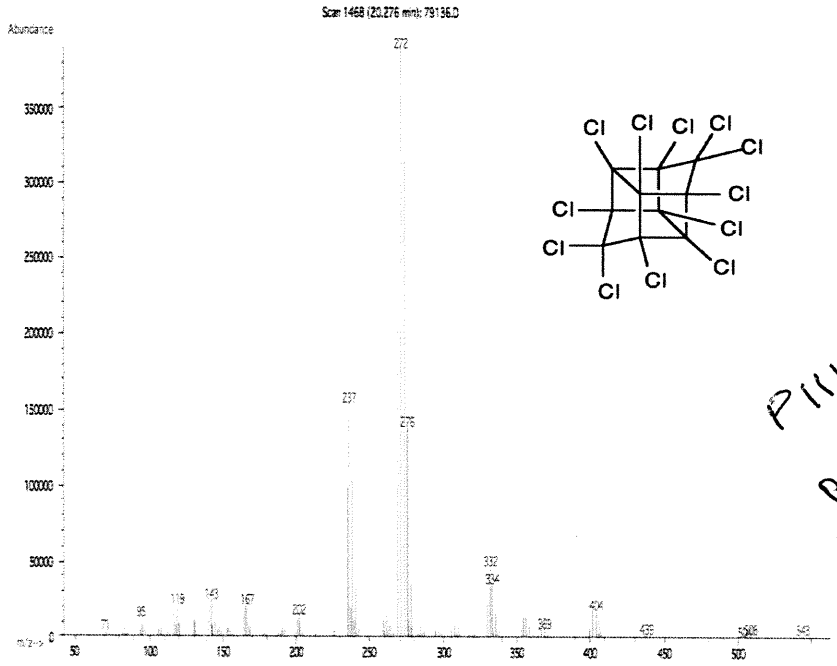
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

Eli Aliaga	102821
Formulated By: Eli Aliaga	DATE
Pedro Rentas	102821
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05039	1000.9	10.3	2385-85-5	N/A	orl-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.





P11142 To P11146
AR 11/02/21

- **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).**

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: 79136
Lot Number: 102821
Description: Mirex

Expiration Date: 102826
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

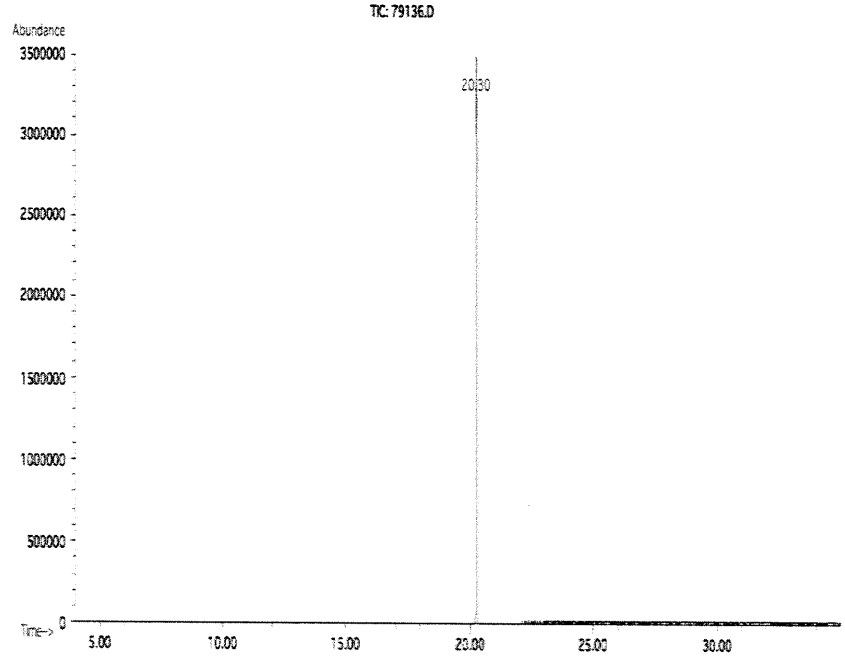
Solvent(s): **Lot#**
Acetone 81025

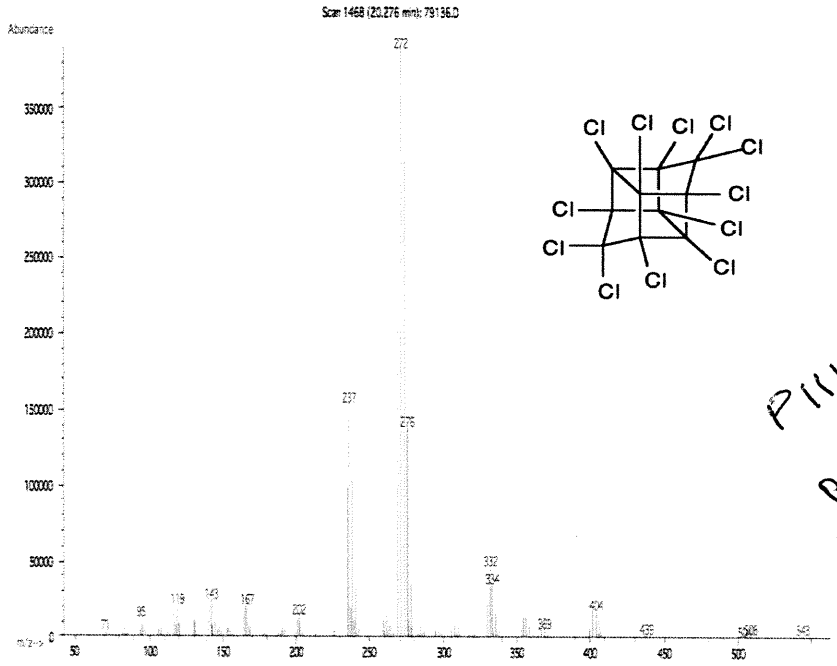
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

Eli Aliaga	102821
Formulated By: Eli Aliaga	DATE
Pedro Rentas	102821
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05039	1000.9	10.3	2385-85-5	N/A	orl-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.





P11142 To P11146
AR 11/02/21

- **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).**

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.

P 13034 ↓ P 13038 5

12.26.2023

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

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

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4	µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5	µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9	µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9	µg/mL	+/- 8.9696

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

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034) 5
↓
P13038 1

12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

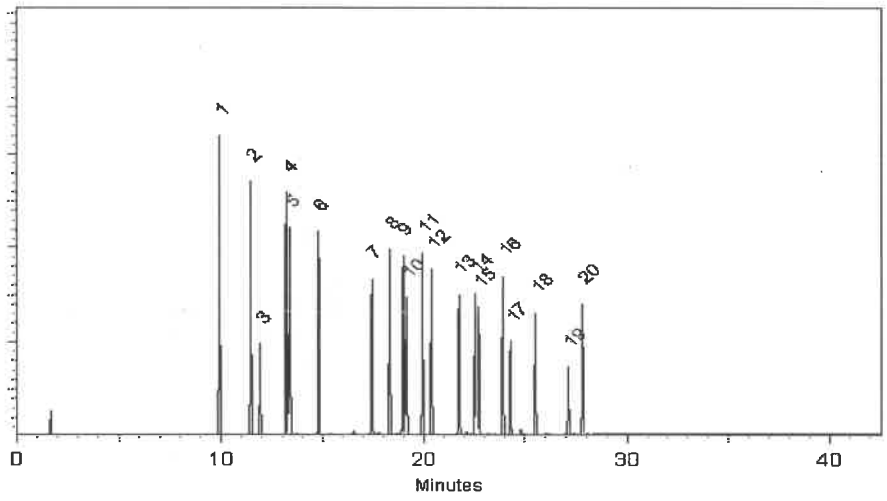
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

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.

Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

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

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

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P 13034 ↓ P 13038 5

12.26.2023

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

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

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4	µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5	µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9	µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9	µg/mL	+/- 8.9696

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

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034) 5
↓
P13038 1

12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

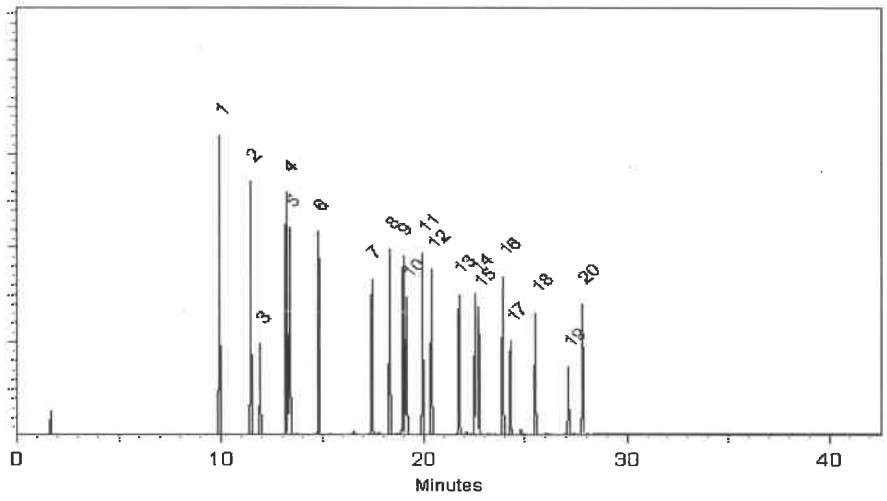
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-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: 19161
Lot Number: 013124
Description: CLP Pesticides & PCB's Resolution Check Standard
9 components

Solvent(s):	Lot#	
Hexane	273615	(50%)
Toluene	28508	(50%)

Expiration Date: 013129
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 100.0 ± 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Formulated By:	Lawrence Barry	013124 DATE
Reviewed By:	Pedro L. Rentas	013124 DATE

	Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	orl-rat 500mg/kg
2.	Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	orl-rat 18mg/kg
3.	4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	orl-rat 880mg/kg
4.	Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	orl-rat 38300ug/kg
5.	Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	orl-rat 18mg/kg
6.	Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7.	4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	orl-rat 6000mg/kg
8.	2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9.	Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

P13243 } (5)
thru
P13247

02/9/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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P13348 ↓ P13357 (10)

04/25/2024

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

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

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

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

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hellum-constant pressure 20 psi.

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

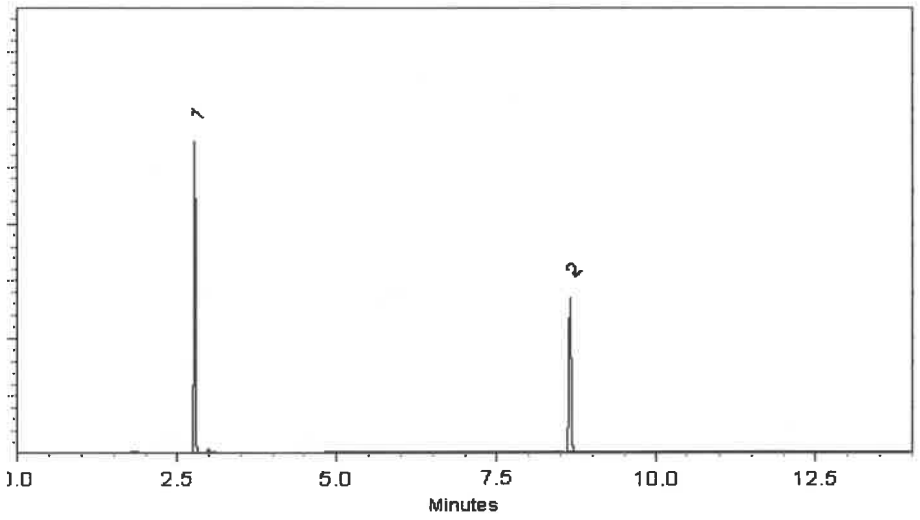
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P13348 (10)

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P13357

04/25/2025

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P13348 ↓ P13357 (10)

04/25/2024

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

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

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

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

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hellum-constant pressure 20 psi.

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

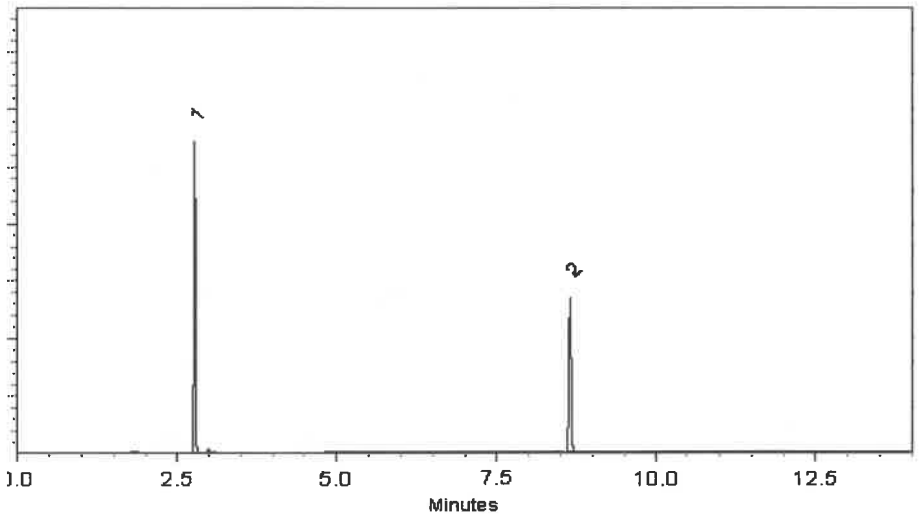
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P13348 (10)

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P13357

04/25/2025

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P13348 ↓ P13357 (10)

04/25/2024

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

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

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

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

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hellum-constant pressure 20 psi.

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

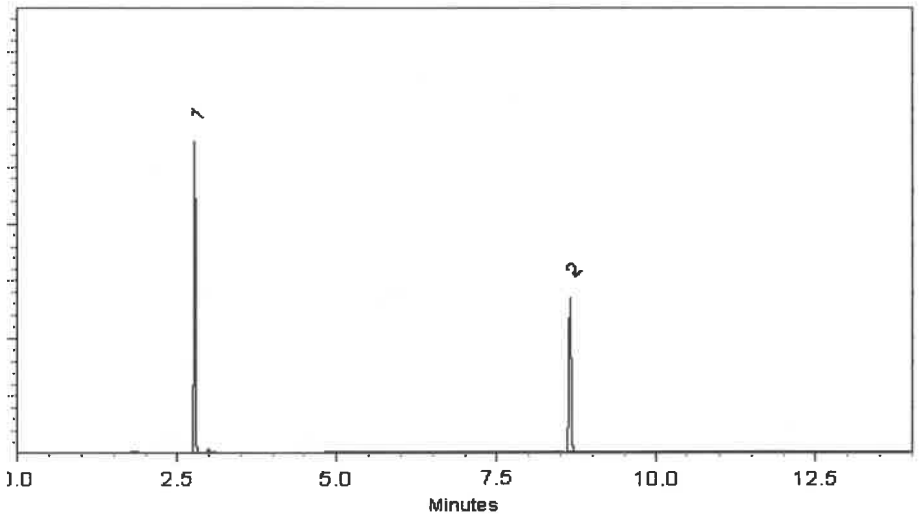
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P13348 (10)

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P13357

04/25/2025

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Certificate #3222.02

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Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

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

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

P13358 (12)
↓
P13369

05-06-2024

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.)

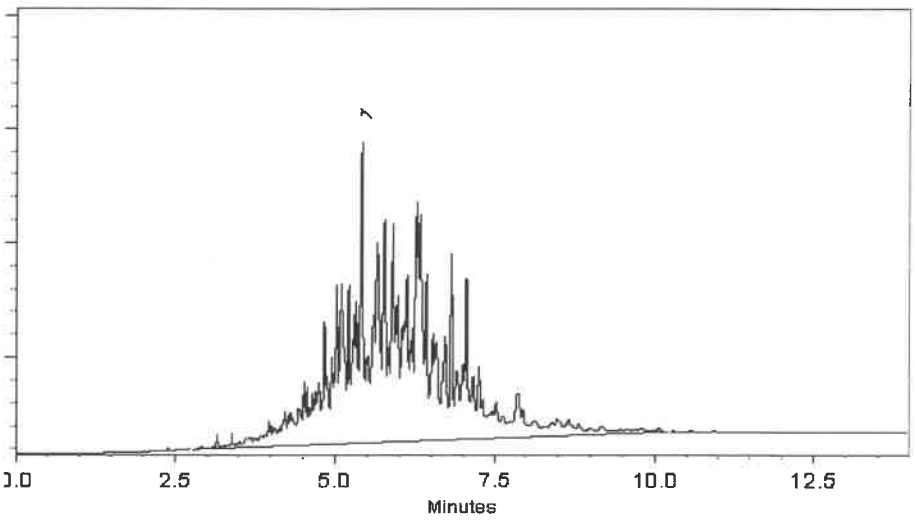
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
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.

Dakota Parson - Operations Technician I **Date Mixed:** 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Oct-2023

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

P13358 (12)

P13369

05-06-2024

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.

P13402 & P13406 (5)

5/22/2024

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

* 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.)

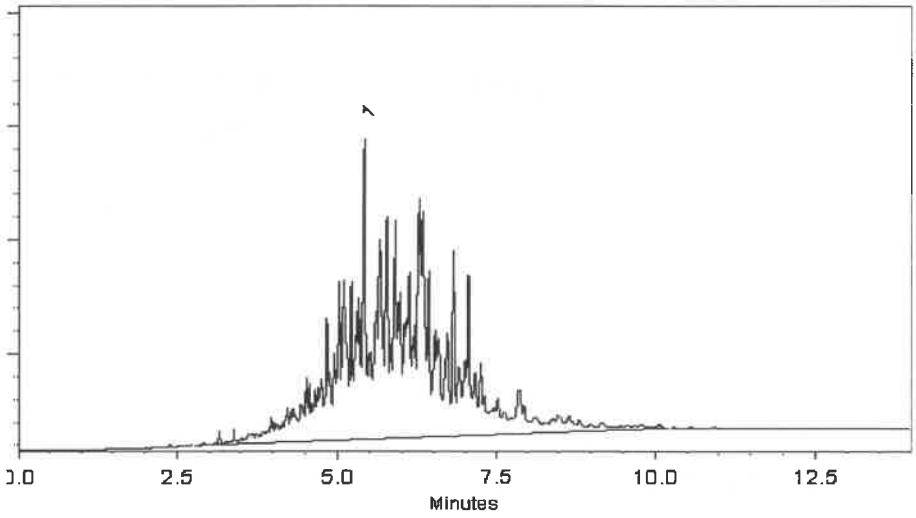
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
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.

Dakota Parson - Operations Technician I **Date Mixed:** 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Oct-2023

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

P13402
↓
P13406
5

5/22/2024

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

Chemtech Project Number: P4474

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Yannuzzi Group, Inc.	PROJECT NAME: Yannuzzi - 1	BILL TO:Yannuzzi Group, Inc. PO# 24007
ADDRESS: 135 Kinnelon Rd, Suite 102	PROJECT #:1 LOCATION: Edison, NJ	ADDRESS:135 Kinnelon Road, Suite 102
CITY Kinnelon STATE:NJ ZIP:07405	PROJECT MANAGER: Rafael Nunez	CITY:Kinnelon STATE:NJ ZIP:07405
ATTENTION: Rafael Nunez	E-MAIL:Rafael@yannuzzigroup.com	ATTENTION: Edgar Gavilanes PHONE: 908-218-0880
PHONE: 908-218-0880 FAX: 908-218-.0884	PHONE:908-864-3106 FAX:908-218-0884	

DATA TURNAROUND INFORMATION

FAX:_____Rush_____ DAYS*
HARD COPY:_____Rush_____DAYS*
EDD_____Rush_____DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☒ RESULTS + QC
- ☐ New Jersey REDUCED
- ☒ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other_____
- ☐ EDD Format_____

ANALYSIS

	1	2	3	4	5	6	7	8	9
	TCLP+30	TPH GC	VOC	SVOC	PCB	PES TIS IDE	ICP-TAL		

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1. TS-2	TOPSOIL	Composite	X		10/18/24	10:05		x	x	x	x	x	x	x			
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.		1. 15:00 10/21/24
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.		3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.8
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?:_____
Comments:

Page_____of_____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH 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 (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4474 YANN01
Client Name : Yannuzzi Group, Inc.
Client Contact : Alyssa Yannuzzi
Invoice Name : Yannuzzi Group, Inc.
Invoice Contact : Alyssa Yannuzzi

Order Date : 10/21/2024 3:19:00 PM
Project Name : Yannuzzi - TS-2
Receive DateTime : 10/21/2024 3:00:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : Results+QC
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff : 10/21/2024 4:15:19 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4474-01	TS-2	Solid	10/18/2024	10:05					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	2 Bus. Days	

Relinguished By : _____
Date / Time : 10-22-24 1050

Received By : _____
Date / Time : 10.22.24 10:50

Storage Area : VOA Refridgerator Room