

Cover Page

Order ID : P4822

Project ID : BAPS North Bergen

Client : BAPS North Bergen

Lab Sample Number

P4822-01
P4822-02
P4822-03
P4822-04
P4822-05
P4822-06
P4822-07
P4822-08
P4822-09
P4822-10
P4822-11
P4822-12

Client Sample Number

SOIL-1
SOIL-1
SOIL-2
SOIL-2
SOIL-3
SOIL-3
SOIL-4
SOIL-4
SOIL-5
SOIL-5
SOIL-6
SOIL-6

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: 11/22/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4822

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 11/22/2024

LAB CHRONICLE

OrderID:	P4822	OrderDate:	11/12/2024 1:54:09 PM
Client:	BAPS North Bergen	Project:	BAPS North Bergen
Contact:	Rakesh Patel	Location:	L21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4822-01	SOIL-1	Solid	EPH	NJEPH	11/12/24	11/13/24	11/13/24	11/12/24
P4822-02	SOIL-1	SOIL	PCB Pesticide-TCL	8082A 8081B	11/12/24	11/13/24 11/13/24	11/13/24 11/13/24	11/12/24
P4822-03	SOIL-2	Solid	EPH	NJEPH	11/12/24	11/13/24	11/13/24	11/12/24
P4822-04	SOIL-2	SOIL	PCB Pesticide-TCL	8082A 8081B	11/12/24	11/13/24 11/13/24	11/13/24 11/13/24	11/12/24
P4822-05	SOIL-3	Solid	EPH EPH	NJEPH NJEPH	11/12/24	11/13/24 11/13/24	11/13/24 11/14/24	11/12/24
P4822-06	SOIL-3	SOIL	PCB Pesticide-TCL	8082A 8081B	11/12/24	11/13/24 11/13/24	11/13/24 11/13/24	11/12/24
P4822-07	SOIL-4	Solid	EPH EPH	NJEPH NJEPH	11/12/24	11/13/24 11/13/24	11/13/24 11/14/24	11/12/24
P4822-08	SOIL-4	SOIL	PCB Pesticide-TCL	8082A 8081B	11/12/24	11/13/24 11/13/24	11/13/24 11/13/24	11/12/24
P4822-09	SOIL-5	Solid	EPH EPH	NJEPH NJEPH	11/12/24	11/13/24 11/13/24	11/13/24 11/14/24	11/12/24

LAB CHRONICLE

P4822-10	SOIL-5	SOIL			11/12/24			11/12/24
			PCB	8082A		11/13/24	11/13/24	
			Pesticide-TCL	8081B		11/13/24	11/13/24	
P4822-11	SOIL-6	Solid			11/12/24			11/12/24
			EPH	NJEPH		11/13/24	11/13/24	
			EPH	NJEPH		11/13/24	11/14/24	
P4822-12	SOIL-6	SOIL			11/12/24			11/12/24
			PCB	8082A		11/13/24	11/13/24	
			Pesticide-TCL	8081B		11/13/24	11/13/24	

Hit Summary Sheet
SW-846

SDG No.: P4822

Order ID: P4822

Client: BAPS North Bergen

Project ID: BAPS North Bergen

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SOIL-1								
P4822-02	SOIL-1	SOIL	Dieldrin	0.54	JP	0.16	1.80	ug/kg
P4822-02	SOIL-1	SOIL	4,4-DDE	0.42	J	0.14	1.80	ug/kg
P4822-02	SOIL-1	SOIL	Endrin	0.33	J	0.17	1.80	ug/kg
P4822-02	SOIL-1	SOIL	4,4-DDT	2.50	P	0.18	1.80	ug/kg
P4822-02	SOIL-1	SOIL	alpha-Chlordane	1.30	JP	0.18	1.80	ug/kg
Total Concentration:				5.090				
Client ID : SOIL-2								
P4822-04	SOIL-2	SOIL	Dieldrin	0.96	JP	0.17	1.90	ug/kg
P4822-04	SOIL-2	SOIL	4,4-DDE	0.78	J	0.14	1.90	ug/kg
P4822-04	SOIL-2	SOIL	Endrin	0.49	JP	0.18	1.90	ug/kg
P4822-04	SOIL-2	SOIL	4,4-DDT	3.30	P	0.19	1.90	ug/kg
P4822-04	SOIL-2	SOIL	alpha-Chlordane	0.85	JP	0.19	1.90	ug/kg
Total Concentration:				6.380				
Client ID : SOIL-3								
P4822-06	SOIL-3	SOIL	Dieldrin	0.76	JP	0.16	1.90	ug/kg
P4822-06	SOIL-3	SOIL	4,4-DDE	0.68	J	0.14	1.90	ug/kg
P4822-06	SOIL-3	SOIL	Endrin	0.40	J	0.17	1.90	ug/kg
P4822-06	SOIL-3	SOIL	4,4-DDT	2.90	P	0.19	1.90	ug/kg
P4822-06	SOIL-3	SOIL	alpha-Chlordane	0.72	JP	0.19	1.90	ug/kg
Total Concentration:				5.460				
Client ID : SOIL-4								
P4822-08	SOIL-4	SOIL	Dieldrin	1.40	JP	0.16	1.80	ug/kg
P4822-08	SOIL-4	SOIL	4,4-DDE	1.10	J	0.14	1.80	ug/kg
P4822-08	SOIL-4	SOIL	Endrin	0.74	J	0.17	1.80	ug/kg
P4822-08	SOIL-4	SOIL	4,4-DDT	4.40	P	0.18	1.80	ug/kg
P4822-08	SOIL-4	SOIL	alpha-Chlordane	1.90	P	0.18	1.80	ug/kg
Total Concentration:				9.540				
Client ID : SOIL-5								
P4822-10	SOIL-5	SOIL	Dieldrin	1.30	JP	0.16	1.90	ug/kg
P4822-10	SOIL-5	SOIL	Endrin	0.38	J	0.17	1.90	ug/kg
P4822-10	SOIL-5	SOIL	Endosulfan Sulfate	0.57	JP	0.14	1.90	ug/kg
P4822-10	SOIL-5	SOIL	4,4-DDT	2.60	P	0.19	1.90	ug/kg
P4822-10	SOIL-5	SOIL	alpha-Chlordane	1.20	JP	0.19	1.90	ug/kg
P4822-10	SOIL-5	SOIL	gamma-Chlordane	1.90	P	0.21	1.90	ug/kg

Hit Summary Sheet
SW-846

SDG No.: P4822

Order ID: P4822

Client: BAPS North Bergen

Project ID: BAPS North Bergen

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				7.950				
Client ID : SOIL-6								
P4822-12	SOIL-6	SOIL	Dieldrin	0.49	JP	0.16	1.90	ug/kg
P4822-12	SOIL-6	SOIL	4,4-DDE	0.32	J	0.14	1.90	ug/kg
P4822-12	SOIL-6	SOIL	Endrin	0.24	J	0.18	1.90	ug/kg
P4822-12	SOIL-6	SOIL	4,4-DDT	1.60	JP	0.19	1.90	ug/kg
P4822-12	SOIL-6	SOIL	alpha-Chlordane	1.80	JP	0.19	1.90	ug/kg
P4822-12	SOIL-6	SOIL	gamma-Chlordane	0.87	JP	0.21	1.90	ug/kg
Total Concentration:				5.320				



QC SUMMARY

Surrogate Summary

SDG No.: **P4822**

Client: **BAPS North Bergen**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL092652.D	PIBLK-PL092652.D	Decachlorobiphenyl	1	20	22.7	114		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.6	108		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.7	109		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.4	102		30 (77)	150 (126)
I.BLK-PL093017.D	PIBLK-PL093017.D	Decachlorobiphenyl	1	20	22.8	114		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	23.4	117		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	23.4	117		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	23.6	118		30 (77)	150 (126)
PB164939BL	PB164939BL	Decachlorobiphenyl	1	20	19.4	97		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	19.6	98		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	19.7	98		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	18.6	93		30 (10)	150 (159)
PB164939BS	PB164939BS	Decachlorobiphenyl	1	20	18.5	92		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	19.1	96		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	18.8	94		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	17.3	87		30 (10)	150 (159)
P4821-05MS	BP-F-2MS	Decachlorobiphenyl	1	20	16.6	83		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	17.3	86		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	16.4	82		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	16.3	81		30 (10)	150 (159)
P4821-05MSD	BP-F-2MSD	Decachlorobiphenyl	1	20	16.4	82		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	17.8	89		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	16.5	82		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	16.5	82		30 (10)	150 (159)
P4822-02	SOIL-1	Decachlorobiphenyl	1	20	13.2	66		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	14.1	70		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	13.6	68		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	13.2	66		30 (10)	150 (159)
P4822-04	SOIL-2	Decachlorobiphenyl	1	20	15.7	79		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	17.0	85		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	15.6	78		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	16.5	82		30 (10)	150 (159)
P4822-06	SOIL-3	Decachlorobiphenyl	1	20	12.0	60		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	12.9	65		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	12.2	61		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	12.6	63		30 (10)	150 (159)
P4822-08	SOIL-4	Decachlorobiphenyl	1	20	15.1	75		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	15.6	78		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	14.9	75		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	15.3	77		30 (10)	150 (159)
P4822-10	SOIL-5	Decachlorobiphenyl	1	20	17.5	88		30 (10)	150 (148)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: **P4822**

Client: **BAPS North Bergen**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
P4822-10	SOIL-5	Tetrachloro-m-xylene	1	20	19.6	98		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	17.2	86		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	20.5	103		30 (10)	150 (159)
P4822-12	SOIL-6	Decachlorobiphenyl	1	20	14.9	75		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	15.7	78		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	14.1	70		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	15.2	76		30 (10)	150 (159)
		Decachlorobiphenyl	1	20	22.4	112		30 (43)	150 (140)
I.BLK-PL093038.D	PIBLK-PL093038.D	Tetrachloro-m-xylene	1	20	23.4	117		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.6	113		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	23.5	118		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	23.5	118		30 (77)	150 (126)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4822

Client: BAPS North Bergen

Analytical Method: 8081B

DataFile : PL093028.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	RPD		Limits	RPD
			Result	Result			Qual	RPD		
Client Sample ID: P4821-05MS	BP-F-2MS									
	alpha-BHC	18.79	0	19.8	ug/kg	105			30 (60)	150 (144)
	beta-BHC	18.79	0	20.7	ug/kg	110			30 (54)	150 (143)
	delta-BHC	18.79	0	16.7	ug/kg	89			30 (47)	150 (144)
	gamma-BHC (Lindane)	18.79	0	19.5	ug/kg	104			30 (61)	150 (140)
	Heptachlor	18.79	0	21.0	ug/kg	112			30 (63)	150 (135)
	Aldrin	18.79	0	20.4	ug/kg	109			30 (49)	150 (139)
	Heptachlor epoxide	18.79	0	20.6	ug/kg	110			30 (32)	150 (180)
	Endosulfan I	18.79	0	21.2	ug/kg	113			30 (56)	150 (142)
	Dieldrin	18.79	0	21.0	ug/kg	112			30 (47)	150 (161)
	4,4'-DDE	18.79	0	21.9	ug/kg	117			30 (55)	150 (136)
	Endrin	18.79	0	22.3	ug/kg	119			30 (57)	150 (139)
	Endosulfan II	18.79	0	21.6	ug/kg	115			30 (40)	150 (163)
	4,4'-DDD	18.79	0	21.6	ug/kg	115			30 (37)	150 (192)
	Endosulfan sulfate	18.79	0	20.5	ug/kg	109			30 (62)	150 (139)
	4,4'-DDT	18.79	0	21.9	ug/kg	117			30 (51)	150 (146)
	Methoxychlor	18.79	0	21.4	ug/kg	114			30 (54)	150 (136)
	Endrin ketone	18.79	0	20.3	ug/kg	108			30 (60)	150 (129)
	Endrin aldehyde	18.79	0	20.3	ug/kg	108			30 (59)	150 (132)
	alpha-Chlordane	18.79	0	21.6	ug/kg	115			30 (30)	150 (192)
	gamma-Chlordane	18.79	0	21.3	ug/kg	113			30 (44)	150 (175)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4822

Client: BAPS North Bergen

Analytical Method: 8081B

DataFile : PL093029.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Client Sample ID: P4821-05MSD	BP-F-2MSD											
	alpha-BHC	18.79	0	20.1	ug/kg	107		2		30 (60)	150 (144)	30 (20)
	beta-BHC	18.79	0	20.9	ug/kg	111		1		30 (54)	150 (143)	30 (20)
	delta-BHC	18.79	0	16.9	ug/kg	90		1		30 (47)	150 (144)	30 (20)
	gamma-BHC (Lindane)	18.79	0	19.8	ug/kg	105		1		30 (61)	150 (140)	30 (20)
	Heptachlor	18.79	0	21.1	ug/kg	112		0		30 (63)	150 (135)	30 (20)
	Aldrin	18.79	0	20.6	ug/kg	110		1		30 (49)	150 (139)	30 (20)
	Heptachlor epoxide	18.79	0	20.8	ug/kg	111		1		30 (32)	150 (180)	30 (20)
	Endosulfan I	18.79	0	21.3	ug/kg	113		0		30 (56)	150 (142)	30 (20)
	Dieldrin	18.79	0	21.3	ug/kg	113		1		30 (47)	150 (161)	30 (20)
	4,4'-DDE	18.79	0	22.1	ug/kg	118		1		30 (55)	150 (136)	30 (20)
	Endrin	18.79	0	22.5	ug/kg	120		1		30 (57)	150 (139)	30 (20)
	Endosulfan II	18.79	0	21.8	ug/kg	116		1		30 (40)	150 (163)	30 (20)
	4,4'-DDD	18.79	0	22.0	ug/kg	117		2		30 (37)	150 (192)	30 (20)
	Endosulfan sulfate	18.79	0	20.7	ug/kg	110		1		30 (62)	150 (139)	30 (20)
	4,4'-DDT	18.79	0	22.1	ug/kg	118		1		30 (51)	150 (146)	30 (20)
	Methoxychlor	18.79	0	21.5	ug/kg	114		0		30 (54)	150 (136)	30 (20)
	Endrin ketone	18.79	0	20.9	ug/kg	111		3		30 (60)	150 (129)	30 (20)
	Endrin aldehyde	18.79	0	20.6	ug/kg	110		2		30 (59)	150 (132)	30 (20)
	alpha-Chlordane	18.79	0	21.8	ug/kg	116		1		30 (30)	150 (192)	30 (20)
	gamma-Chlordane	18.79	0	21.5	ug/kg	114		1		30 (44)	150 (175)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4822

Client: BAPS North Bergen

Analytical Method: 8081B

Datafile : PL093025.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB164939BS	alpha-BHC	16.65	17.2	ug/kg	103				40 (84)	140 (123)	
	beta-BHC	16.65	17.6	ug/kg	106				40 (82)	140 (123)	
	delta-BHC	16.65	15.2	ug/kg	91				40 (83)	140 (126)	
	gamma-BHC (Lindane)	16.65	16.8	ug/kg	101				40 (83)	140 (125)	
	Heptachlor	16.65	17.9	ug/kg	108				40 (83)	140 (122)	
	Aldrin	16.65	17.2	ug/kg	103				40 (82)	140 (124)	
	Heptachlor epoxide	16.65	17.6	ug/kg	106				40 (83)	140 (120)	
	Endosulfan I	16.65	18.0	ug/kg	108				40 (81)	140 (124)	
	Dieldrin	16.65	18.1	ug/kg	109				40 (85)	140 (121)	
	4,4'-DDE	16.65	18.5	ug/kg	111				40 (81)	140 (123)	
	Endrin	16.65	18.9	ug/kg	114				40 (76)	140 (130)	
	Endosulfan II	16.65	18.4	ug/kg	111				40 (80)	140 (125)	
	4,4'-DDD	16.65	18.7	ug/kg	112				40 (80)	140 (131)	
	Endosulfan sulfate	16.65	17.8	ug/kg	107				40 (81)	140 (122)	
	4,4'-DDT	16.65	18.5	ug/kg	111				40 (70)	140 (129)	
	Methoxychlor	16.65	17.9	ug/kg	108				40 (60)	140 (119)	
	Endrin ketone	16.65	17.3	ug/kg	104				40 (77)	140 (132)	
	Endrin aldehyde	16.65	17.2	ug/kg	103				40 (79)	140 (124)	
	alpha-Chlordane	16.65	18.2	ug/kg	109				40 (84)	140 (120)	
	gamma-Chlordane	16.65	18.4	ug/kg	111				40 (83)	140 (122)	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164939BL

Lab Name: CHEMTECH

Contract: BAPS03

Lab Code: CHEM Case No.: P4822

SAS No.: P4822 SDG NO.: P4822

Lab Sample ID: PB164939BL

Lab File ID: PL093024.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/13/2024

Date Analyzed (1): 11/13/2024

Date Analyzed (2): 11/13/2024

Time Analyzed (1): 12:22

Time Analyzed (2): 12:22

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
PB164939BS	PB164939BS	PL093025.D	11/13/2024	11/13/2024
BP-F-2MS	P4821-05MS	PL093028.D	11/13/2024	11/13/2024
BP-F-2MSD	P4821-05MSD	PL093029.D	11/13/2024	11/13/2024
SOIL-1	P4822-02	PL093030.D	11/13/2024	11/13/2024
SOIL-2	P4822-04	PL093031.D	11/13/2024	11/13/2024
SOIL-3	P4822-06	PL093032.D	11/13/2024	11/13/2024
SOIL-4	P4822-08	PL093033.D	11/13/2024	11/13/2024
SOIL-5	P4822-10	PL093034.D	11/13/2024	11/13/2024
SOIL-6	P4822-12	PL093035.D	11/13/2024	11/13/2024

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-1	SDG No.:	P4822
Lab Sample ID:	P4822-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.4 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
PL093030.D	1	11/13/24 08:40	11/13/24 13:57	PB164939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.19	U	0.19	1.80	ug/kg
319-85-7	beta-BHC	0.53	U	0.53	1.80	ug/kg
319-86-8	delta-BHC	0.51	U	0.51	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.21	U	0.21	1.80	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	1.80	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	1.80	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	1.80	ug/kg
60-57-1	Dieldrin	0.54	JP	0.16	1.80	ug/kg
72-55-9	4,4-DDE	0.42	J	0.14	1.80	ug/kg
72-20-8	Endrin	0.33	J	0.17	1.80	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.80	ug/kg
72-54-8	4,4-DDD	0.21	U	0.21	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	2.50	P	0.18	1.80	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.80	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.80	ug/kg
5103-71-9	alpha-Chlordane	1.30	JP	0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.21	U	0.21	1.80	ug/kg
8001-35-2	Toxaphene	5.60	U	5.60	35.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.6		30 (10) - 150 (148)	68%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.1		30 (10) - 150 (159)	70%	SPK: 20

Report of Analysis

Client:	BAPS North Bergen		Date Collected:	11/12/24	
Project:	BAPS North Bergen		Date Received:	11/12/24	
Client Sample ID:	SOIL-1		SDG No.:	P4822	
Lab Sample ID:	P4822-02		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92.4	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
PL093030.D	1	11/13/24 08:40	11/13/24 13:57	PB164939

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\PL111324\
 Data File : PL093030.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 13:57
 Operator : AR\AJ
 Sample : P4822-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 SOIL-1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
 Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 14 00:31:47 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 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	2.775	34494704	35803661	14.078	13.157
28) SA Decachlor...	9.051	7.913	25464623	37182045	13.231	13.624
Target Compounds						
11) B alpha-Chl...	6.021	5.040	9733673	5016332	3.676	1.508m#
12) B 4,4'-DDE	6.188	5.231	2726599	3815945	1.151	1.184
13) MA Dieldrin	6.337	5.364	2550878	5013932	0.968	1.501m#
14) MA Endrin	6.570	5.646	2102685	2676652	0.924m	0.925m
17) MA 4,4'-DDT	7.021	6.032	6317205	18327090	3.052	6.833m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111324\
Data File : PL093030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 13:57
Operator : AR\AJ
Sample : P4822-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SOIL-1

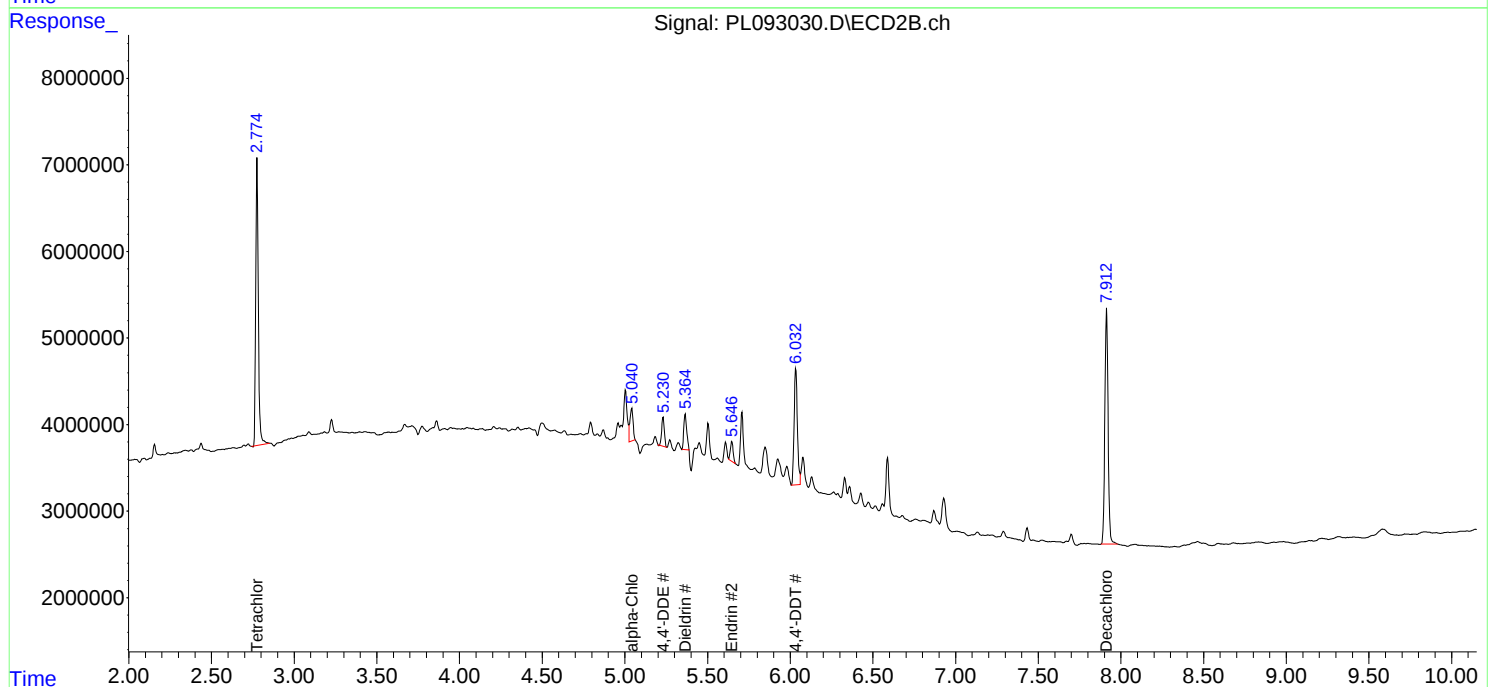
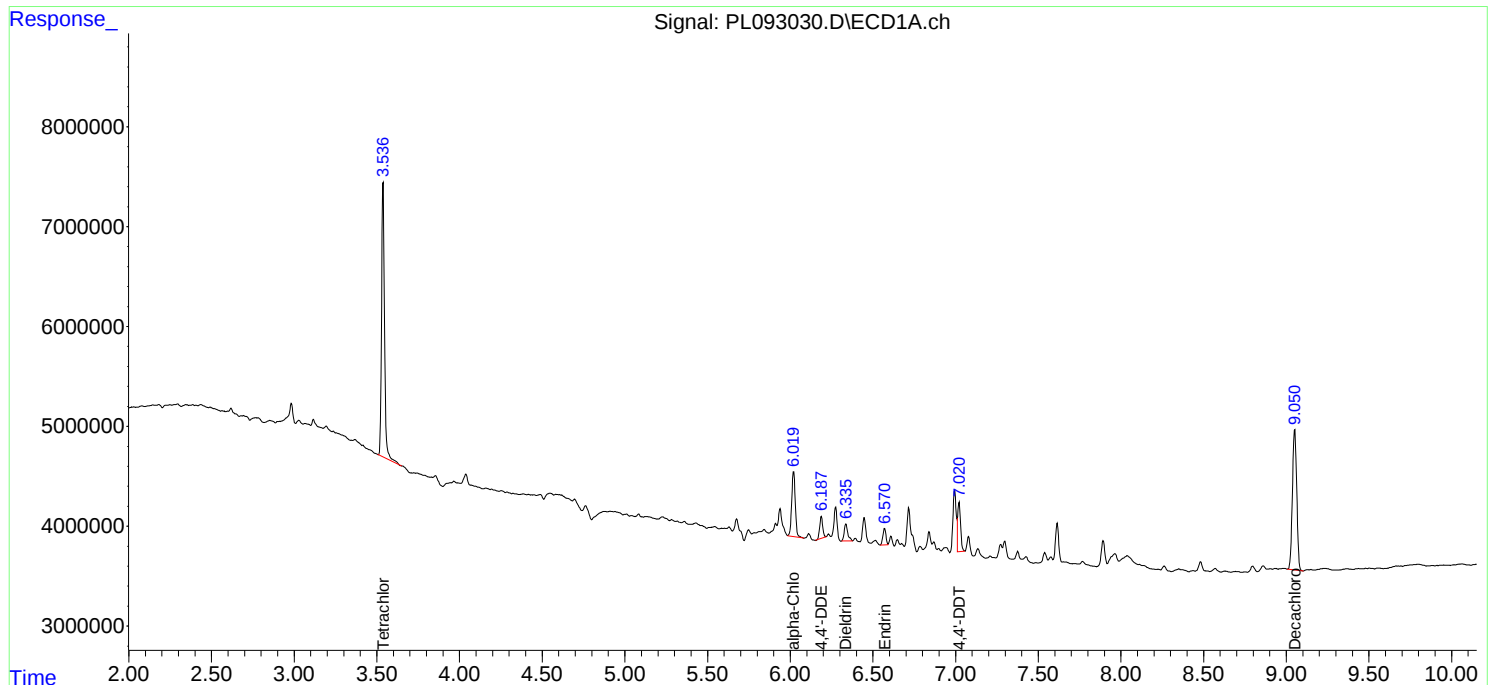
Manual Integrations**APPROVED**

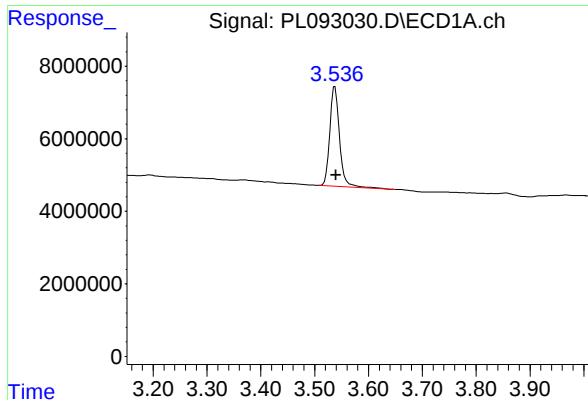
Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 14 00:31:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 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





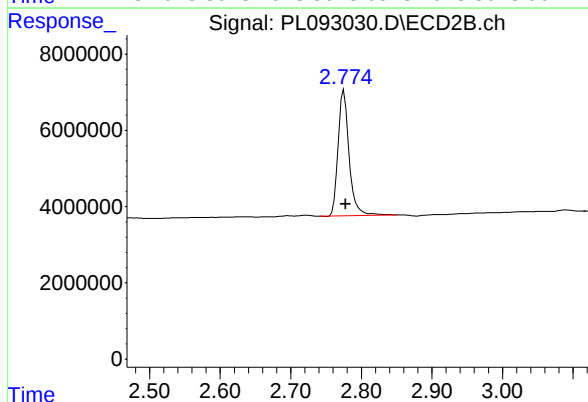
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.002 min
Response: 34494704
Conc: 14.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-1

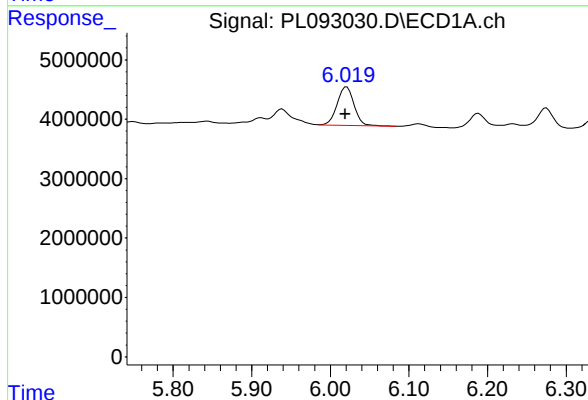
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



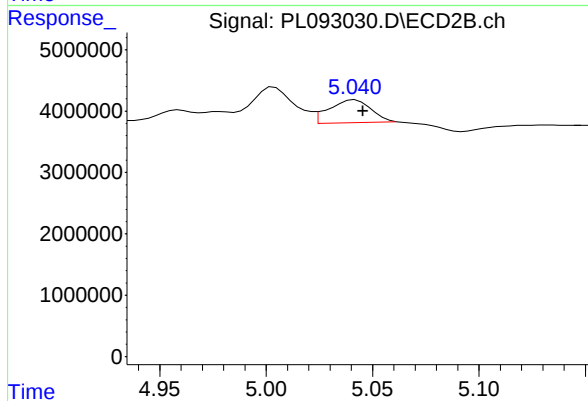
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: -0.002 min
Response: 35803661
Conc: 13.16 ng/ml



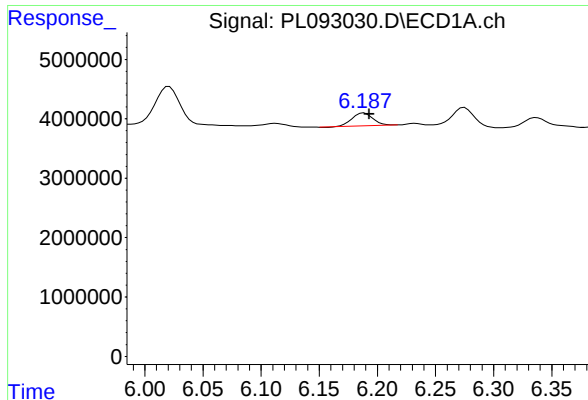
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.002 min
Response: 9733673
Conc: 3.68 ng/ml



#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: -0.005 min
Response: 5016332
Conc: 1.51 ng/ml m



#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: -0.005 min
Response: 2726599
Conc: 1.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024

#12 4,4'-DDE

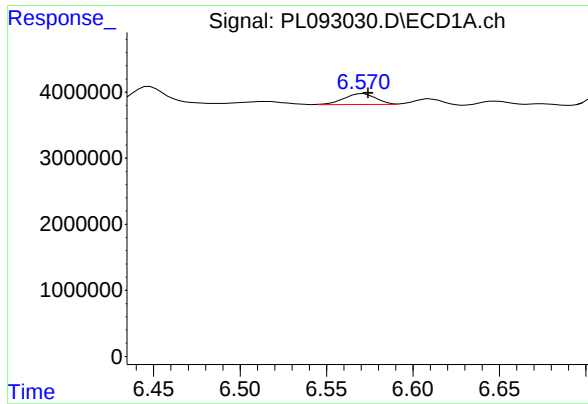
R.T.: 5.231 min
Delta R.T.: -0.003 min
Response: 3815945
Conc: 1.18 ng/ml

#13 Dieldrin

R.T.: 6.337 min
Delta R.T.: -0.008 min
Response: 2550878
Conc: 0.97 ng/ml

#13 Dieldrin

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 5013932
Conc: 1.50 ng/ml m



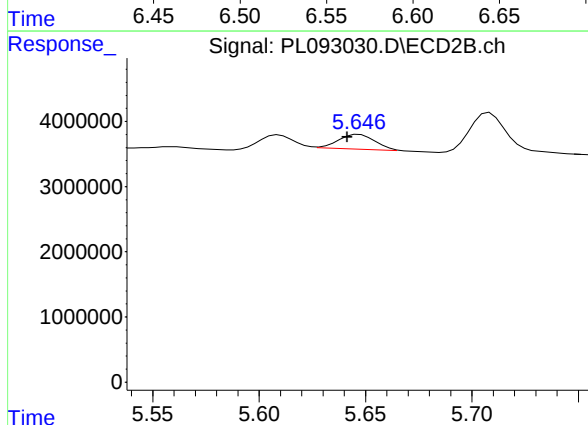
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.004 min
Response: 2102685
Conc: 0.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-1

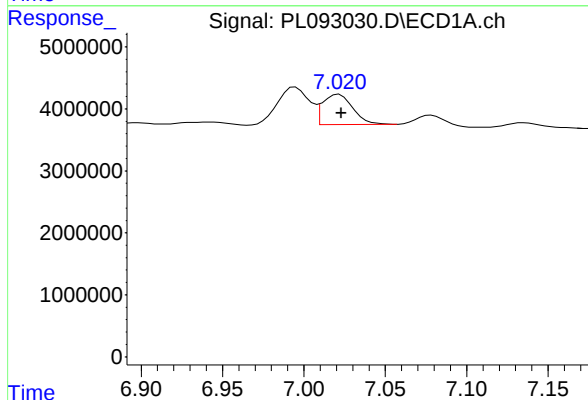
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



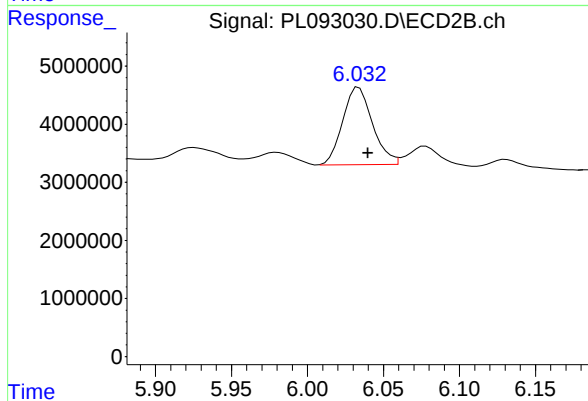
#14 Endrin

R.T.: 5.646 min
Delta R.T.: 0.004 min
Response: 2676652
Conc: 0.93 ng/ml



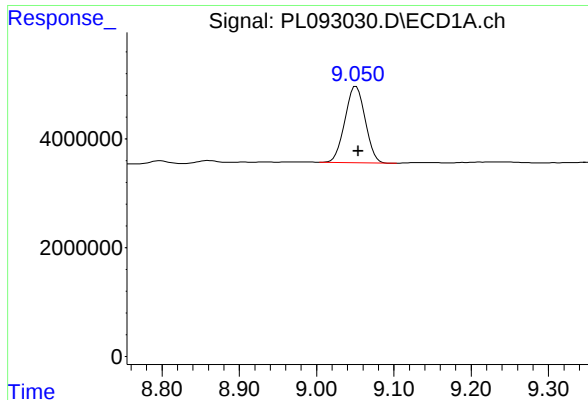
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.001 min
Response: 6317205
Conc: 3.05 ng/ml



#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: -0.007 min
Response: 18327090
Conc: 6.83 ng/ml



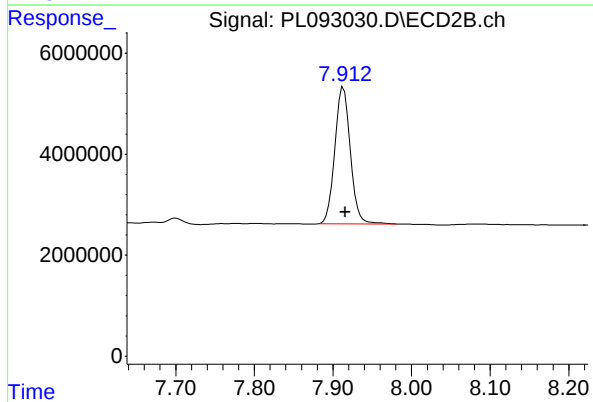
#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.003 min
Response: 25464623
Conc: 13.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: -0.002 min
Response: 37182045
Conc: 13.62 ng/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-2	SDG No.:	P4822
Lab Sample ID:	P4822-04	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	89.7 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
PL093031.D	1	11/13/24 08:40	11/13/24 14:10	PB164939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.20	U	0.20	1.90	ug/kg
319-85-7	beta-BHC	0.55	U	0.55	1.90	ug/kg
319-86-8	delta-BHC	0.52	U	0.52	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.21	U	0.21	1.90	ug/kg
76-44-8	Heptachlor	0.19	U	0.19	1.90	ug/kg
309-00-2	Aldrin	0.16	U	0.16	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.26	U	0.26	1.90	ug/kg
959-98-8	Endosulfan I	0.19	U	0.19	1.90	ug/kg
60-57-1	Dieldrin	0.96	JP	0.17	1.90	ug/kg
72-55-9	4,4-DDE	0.78	J	0.14	1.90	ug/kg
72-20-8	Endrin	0.49	JP	0.18	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.21	U	0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	3.30	P	0.19	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.85	JP	0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.21	U	0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	36.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.7		30 (10) - 150 (148)	79%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.0		30 (10) - 150 (159)	85%	SPK: 20

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-2	SDG No.:	P4822
Lab Sample ID:	P4822-04	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	89.7 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
PL093031.D	1	11/13/24 08:40	11/13/24 14:10	PB164939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PL111324\
 Data File : PL093031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 14:10
 Operator : AR\AJ
 Sample : P4822-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 SOIL-2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
 Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 14 00:32:09 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 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	2.775	41740956	44848938	17.035	16.482
28) SA Decachlor...	9.052	7.913	30225206	42671046	15.705	15.635
Target Compounds						
11) B alpha-Chl...	6.021	5.039	6060498	2428942	2.289	0.730m#
12) B 4,4'-DDE	6.189	5.231	4990815	5600461	2.107	1.738
13) MA Dieldrin	6.337	5.363	2049679	8689518	0.778m	2.601m#
14) MA Endrin	6.571	5.644	3004226	2858932	1.320	0.988m#
17) MA 4,4'-DDT	7.021	6.031	5532834	24110866	2.673	8.989m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111324\
Data File : PL093031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 14:10
Operator : AR\AJ
Sample : P4822-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SOIL-2

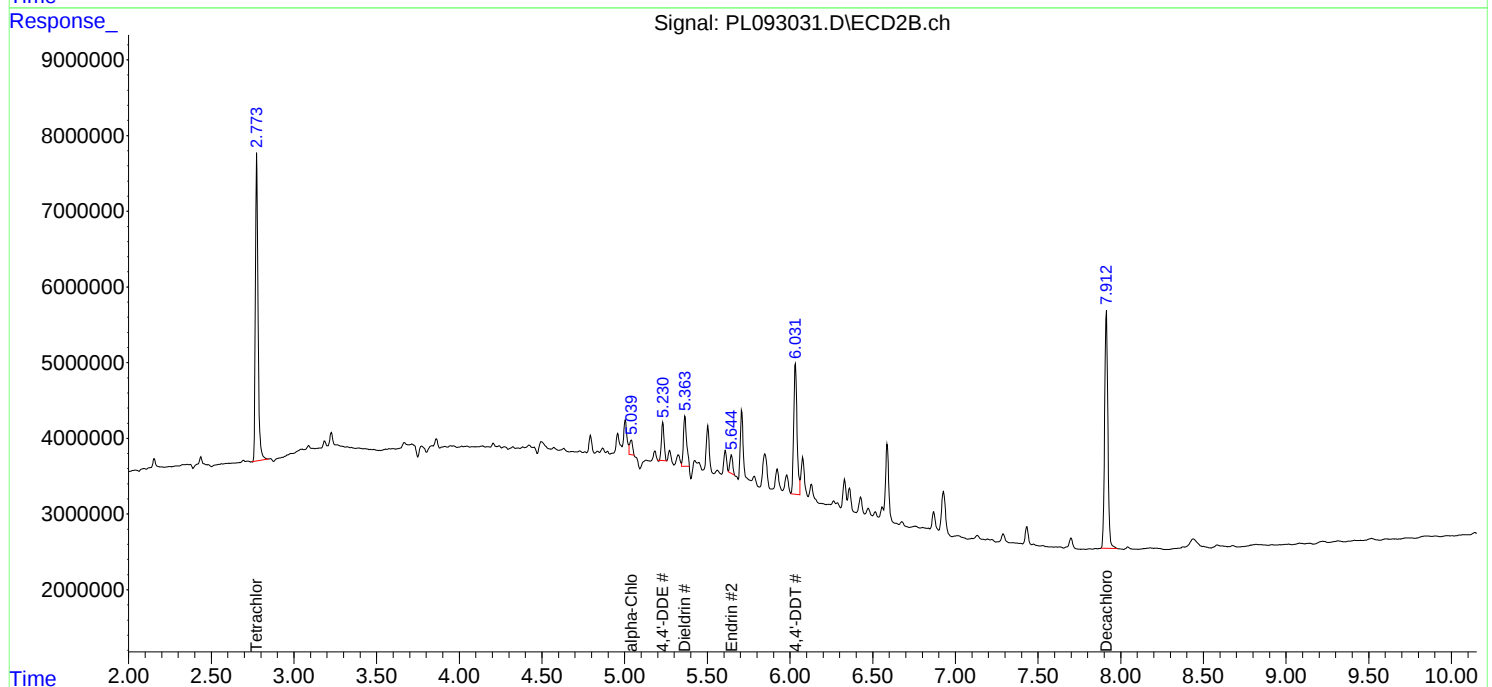
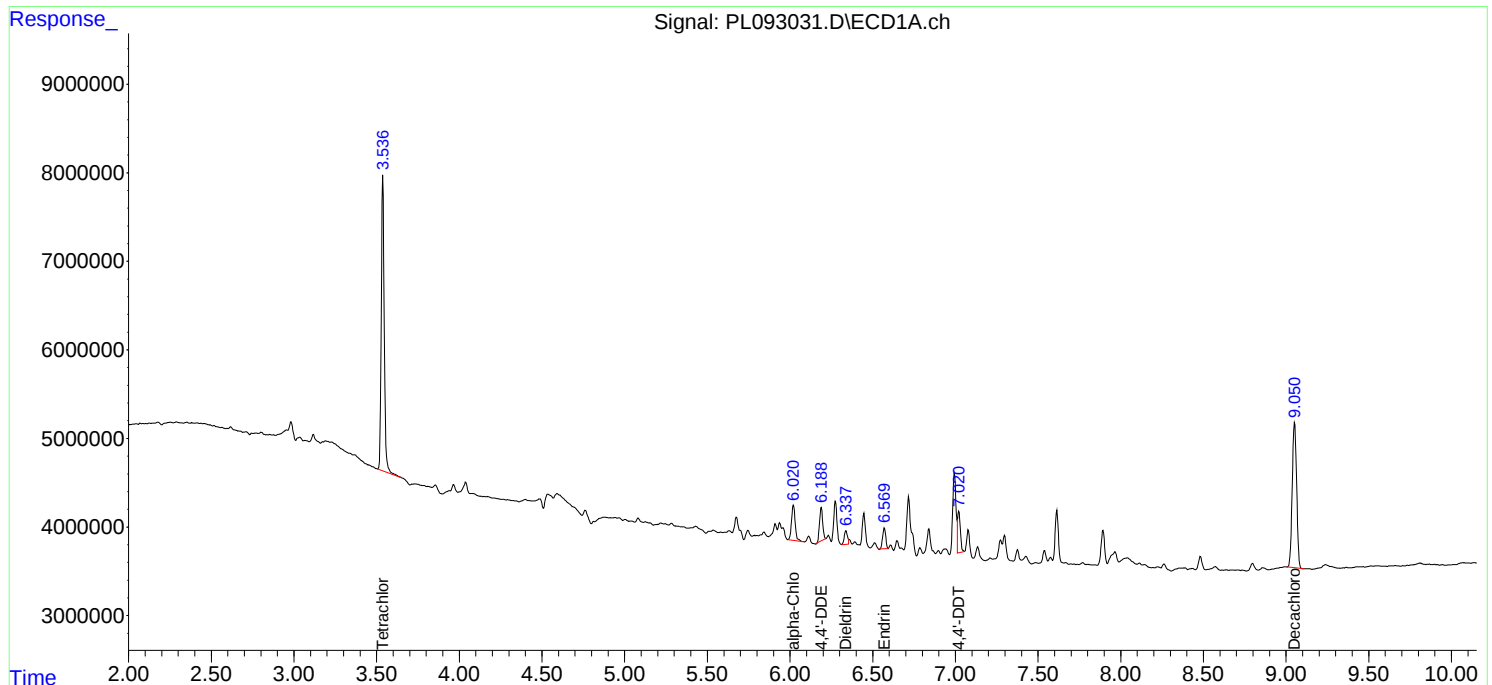
Manual Integrations**APPROVED**

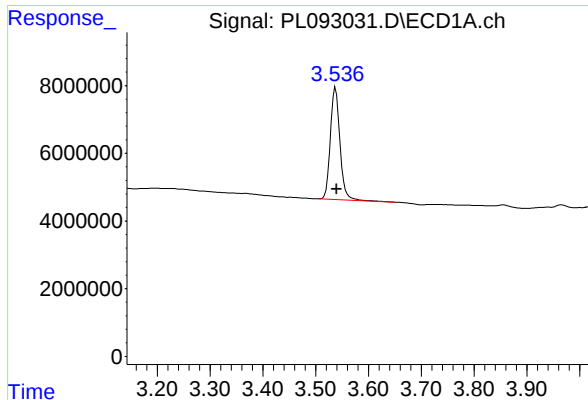
Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 14 00:32:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 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





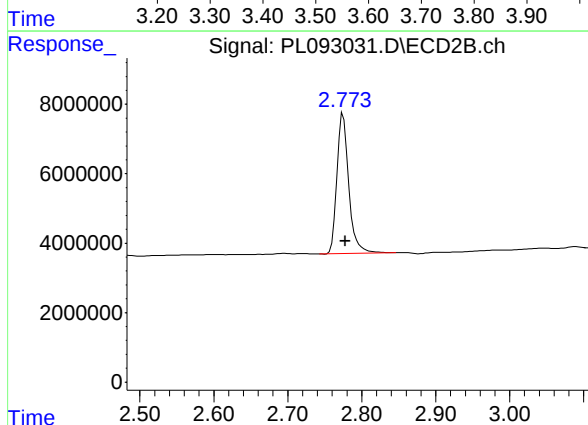
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.002 min
Response: 41740956
Conc: 17.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-2

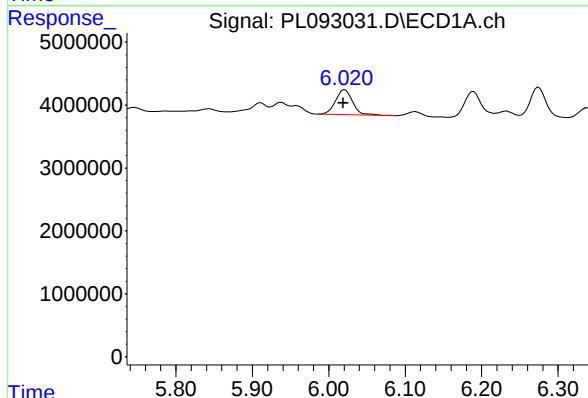
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



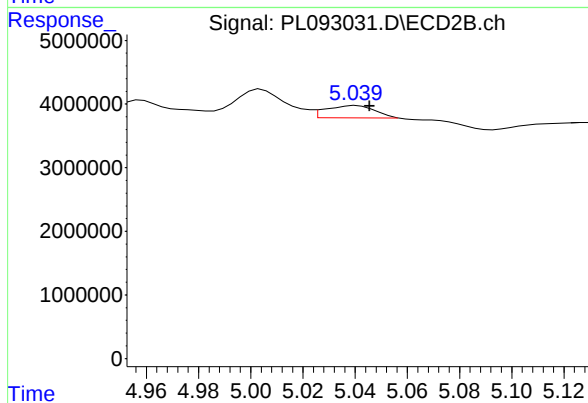
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: -0.003 min
Response: 44848938
Conc: 16.48 ng/ml



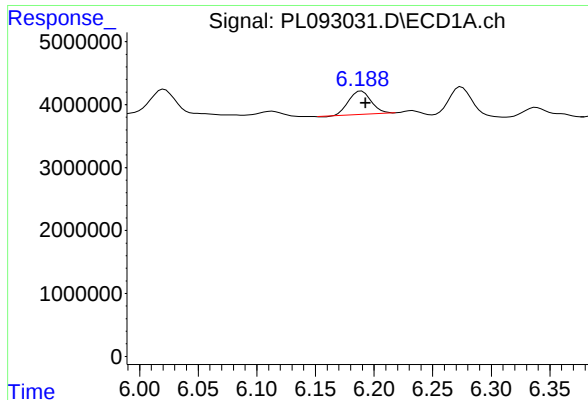
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.002 min
Response: 6060498
Conc: 2.29 ng/ml



#11 alpha-Chlordane

R.T.: 5.039 min
Delta R.T.: -0.006 min
Response: 2428942
Conc: 0.73 ng/ml m



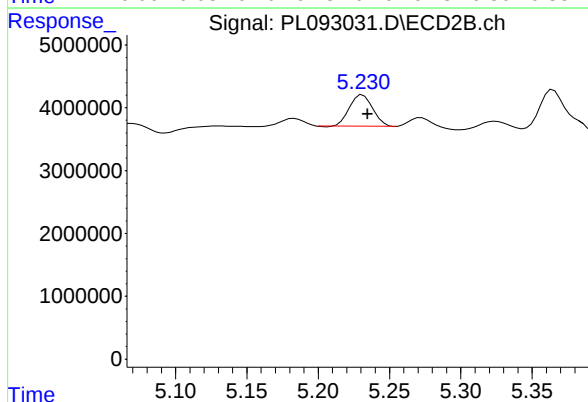
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 4990815
Conc: 2.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-2

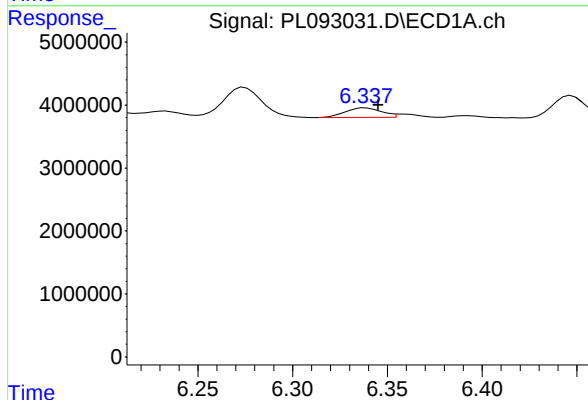
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



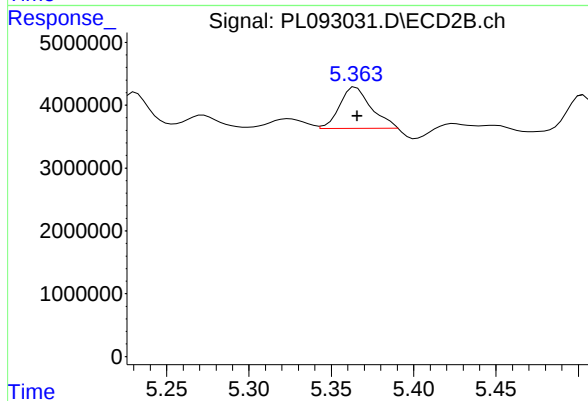
#12 4,4'-DDE

R.T.: 5.231 min
Delta R.T.: -0.003 min
Response: 5600461
Conc: 1.74 ng/ml



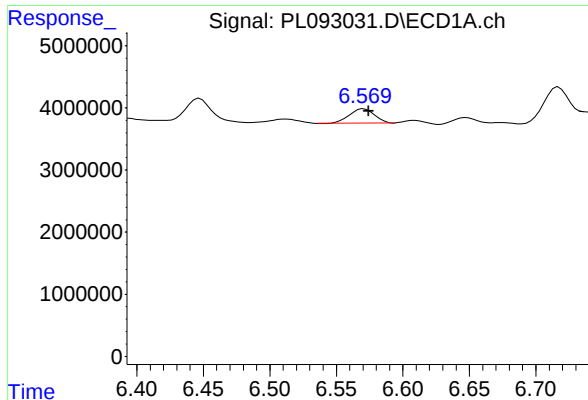
#13 Dieldrin

R.T.: 6.337 min
Delta R.T.: -0.008 min
Response: 2049679
Conc: 0.78 ng/ml m



#13 Dieldrin

R.T.: 5.363 min
Delta R.T.: -0.002 min
Response: 8689518
Conc: 2.60 ng/ml m



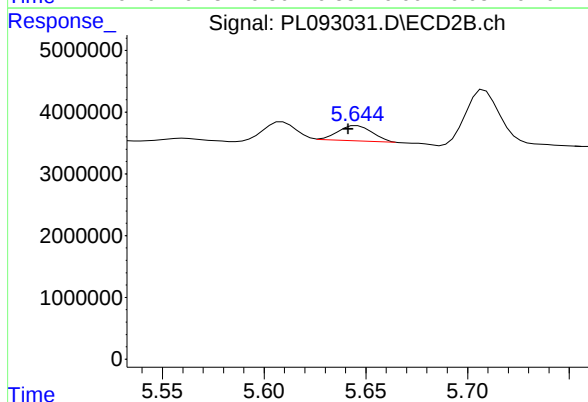
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 3004226
Conc: 1.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-2

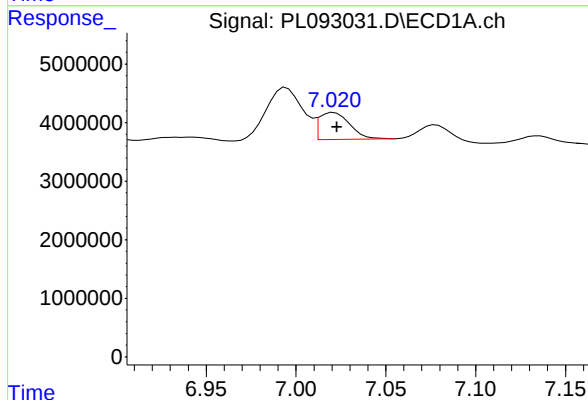
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



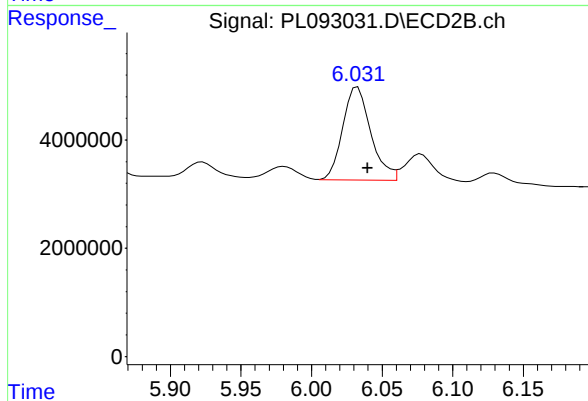
#14 Endrin

R.T.: 5.644 min
Delta R.T.: 0.003 min
Response: 2858932
Conc: 0.99 ng/ml m



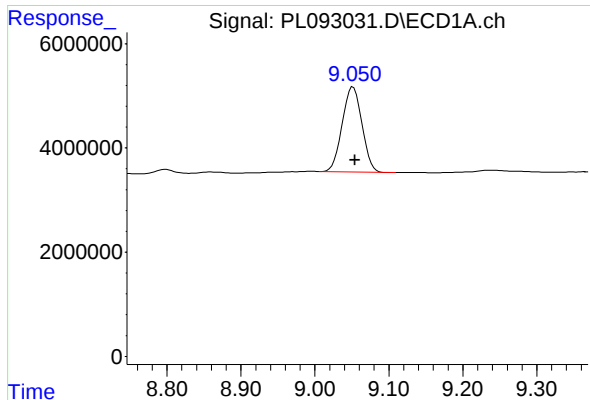
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.002 min
Response: 5532834
Conc: 2.67 ng/ml



#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: -0.009 min
Response: 24110866
Conc: 8.99 ng/ml m



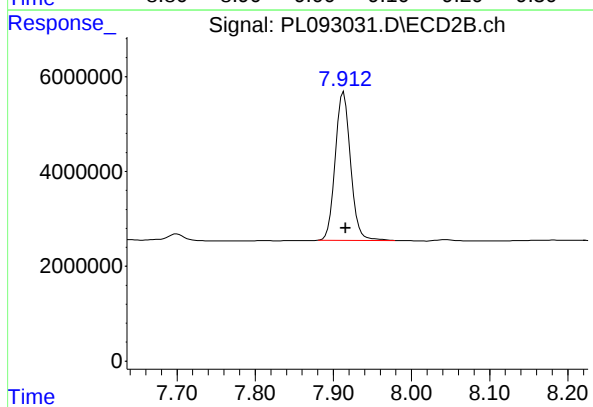
#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.002 min
Response: 30225206
Conc: 15.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: -0.003 min
Response: 42671046
Conc: 15.63 ng/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-3	SDG No.:	P4822
Lab Sample ID:	P4822-06	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.4 Decanted:
Sample Wt/Vol:	30.03 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
PL093032.D	1	11/13/24 08:40	11/13/24 14:24	PB164939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.20	U	0.20	1.90	ug/kg
319-85-7	beta-BHC	0.54	U	0.54	1.90	ug/kg
319-86-8	delta-BHC	0.51	U	0.51	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.21	U	0.21	1.90	ug/kg
76-44-8	Heptachlor	0.19	U	0.19	1.90	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	1.90	ug/kg
959-98-8	Endosulfan I	0.19	U	0.19	1.90	ug/kg
60-57-1	Dieldrin	0.76	JP	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.68	J	0.14	1.90	ug/kg
72-20-8	Endrin	0.40	J	0.17	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.21	U	0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	2.90	P	0.19	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.72	JP	0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.21	U	0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	36.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.2		30 (10) - 150 (148)	61%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.9		30 (10) - 150 (159)	65%	SPK: 20

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-3	SDG No.:	P4822
Lab Sample ID:	P4822-06	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.4 Decanted:
Sample Wt/Vol:	30.03 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
PL093032.D	1	11/13/24 08:40	11/13/24 14:24	PB164939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PL111324\
 Data File : PL093032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 14:24
 Operator : AR\AJ
 Sample : P4822-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 SOIL-3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
 Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 14 00:32:28 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 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	2.775	31653798	34143377	12.919	12.547
28) SA Decachlor...	9.052	7.913	23164091	33237982	12.036	12.178
Target Compounds						
11) B alpha-Chl...	6.021	5.039	5232703	2238922	1.976	0.673m#
12) B 4,4'-DDE	6.189	5.230	4443255	5197144	1.875	1.613m
13) MA Dieldrin	6.336	5.364	1972123	6952759	0.748m	2.081m#
14) MA Endrin	6.571	5.644	2491774	2581100	1.094	0.892m
17) MA 4,4'-DDT	7.021	6.031	5108182	21121787	2.468	7.875m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111324\
Data File : PL093032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 14:24
Operator : AR\AJ
Sample : P4822-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SOIL-3

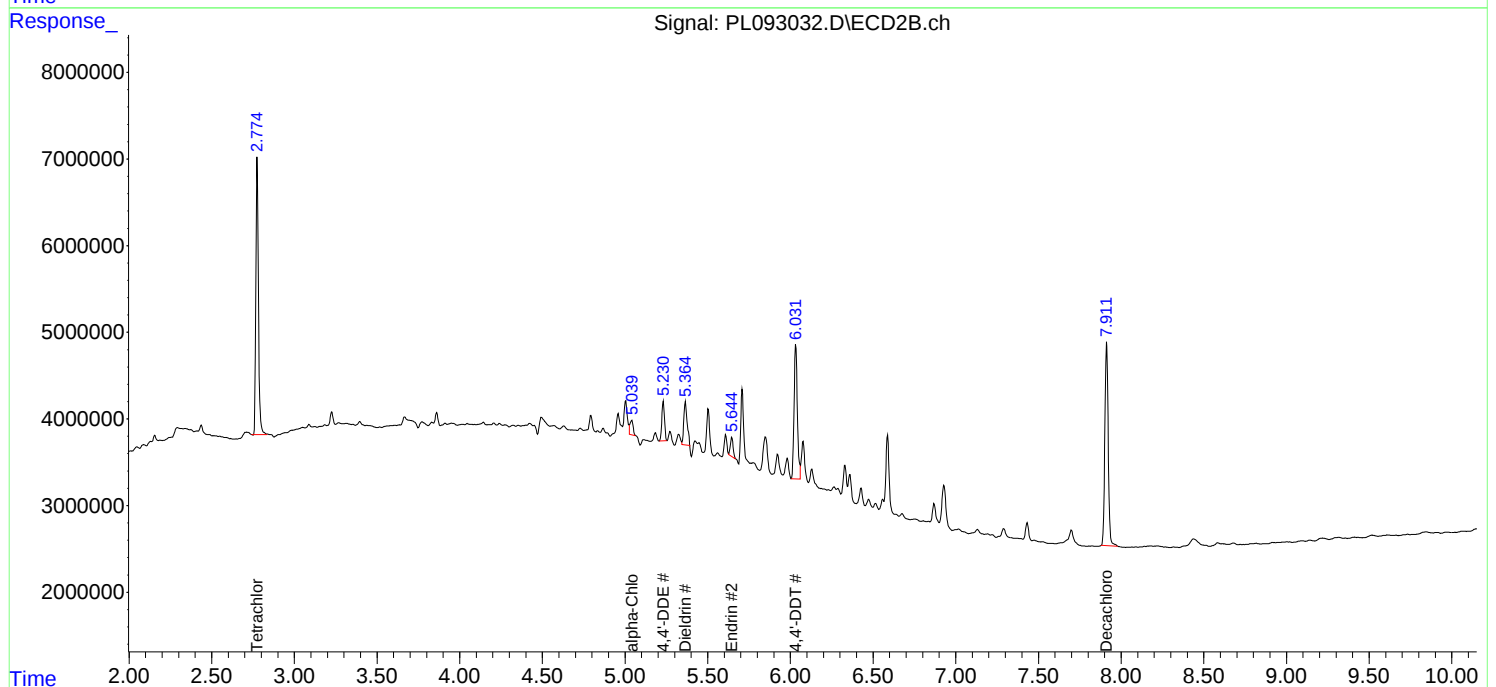
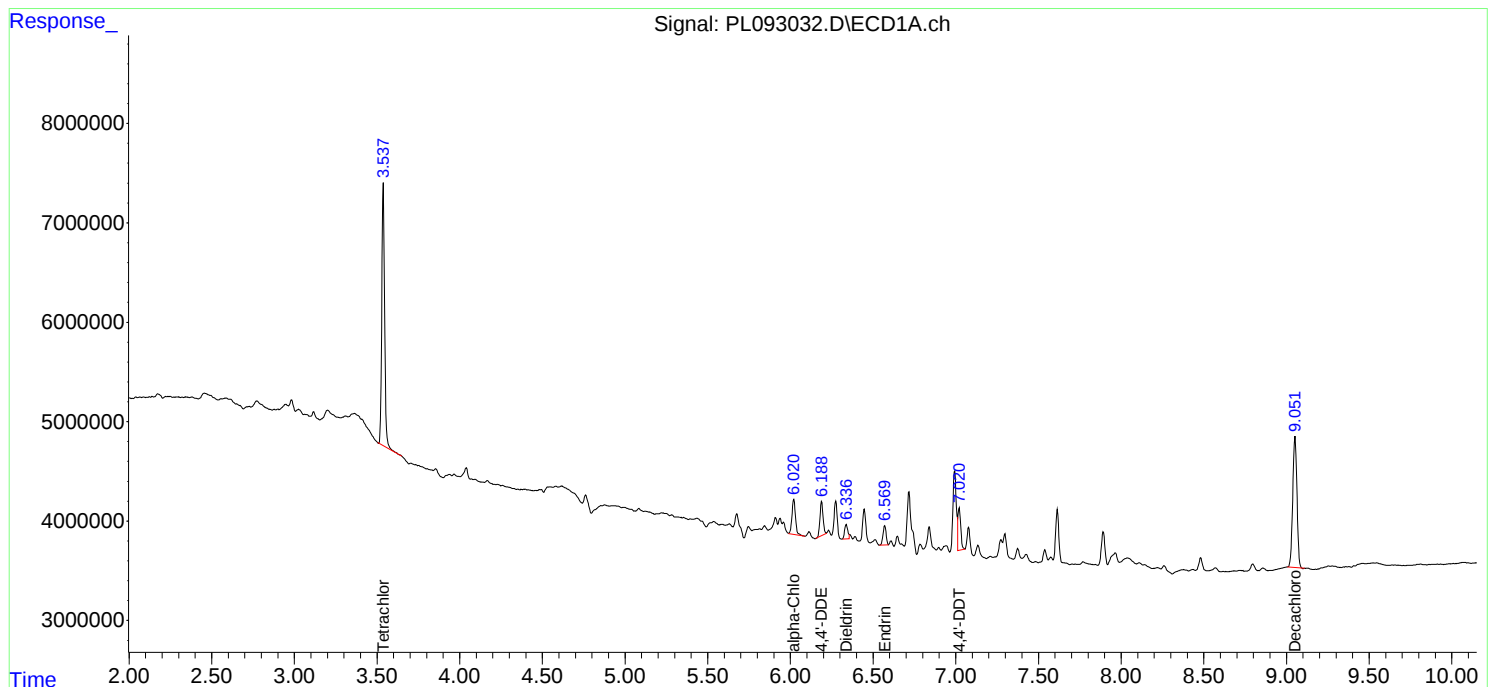
Manual Integrations**APPROVED**

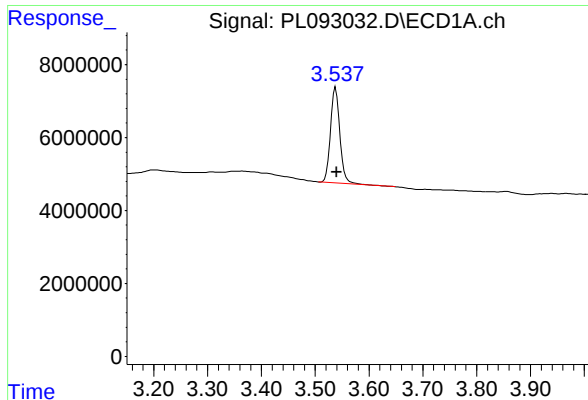
Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 14 00:32:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 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





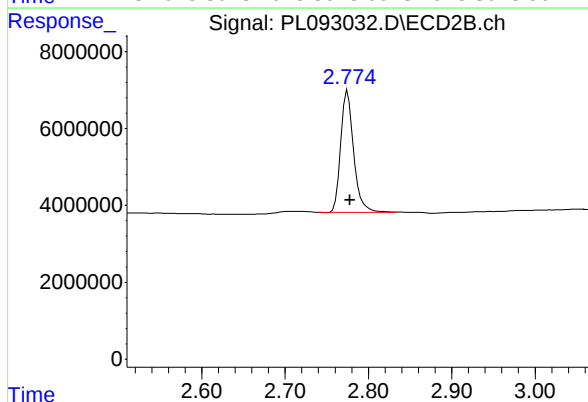
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.002 min
Response: 31653798
Conc: 12.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-3

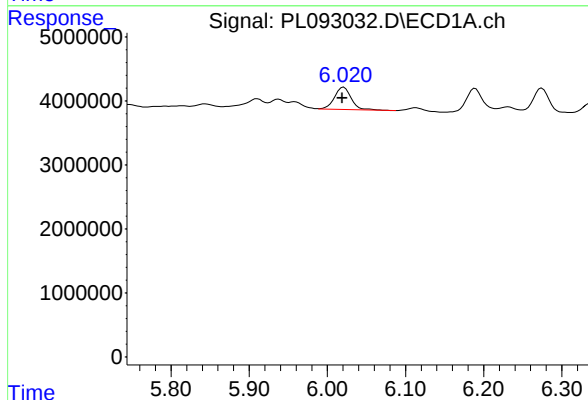
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



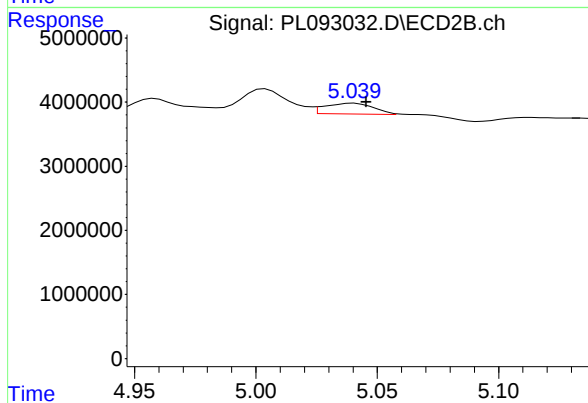
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: -0.003 min
Response: 34143377
Conc: 12.55 ng/ml



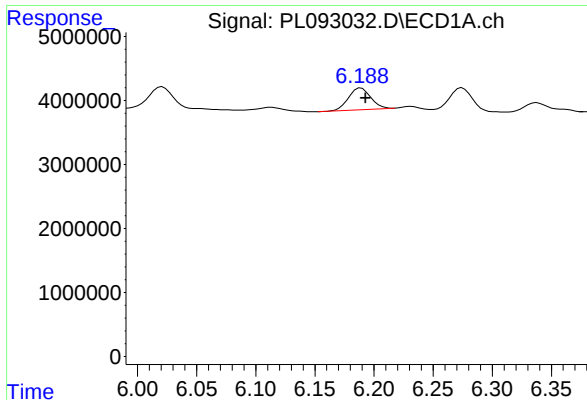
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.002 min
Response: 5232703
Conc: 1.98 ng/ml



#11 alpha-Chlordane

R.T.: 5.039 min
Delta R.T.: -0.006 min
Response: 2238922
Conc: 0.67 ng/ml m



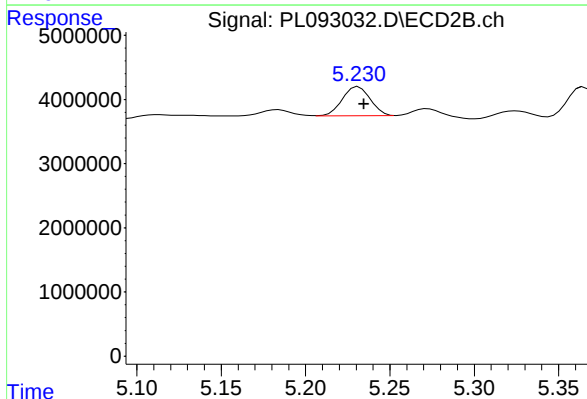
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 4443255
Conc: 1.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-3

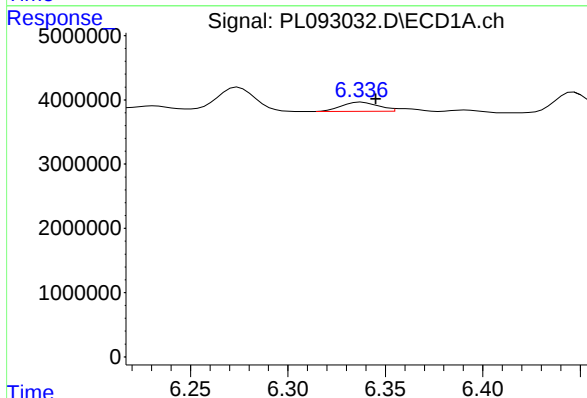
Manual Integrations
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Supervised By :Ankita Jodhani 11/14/2024



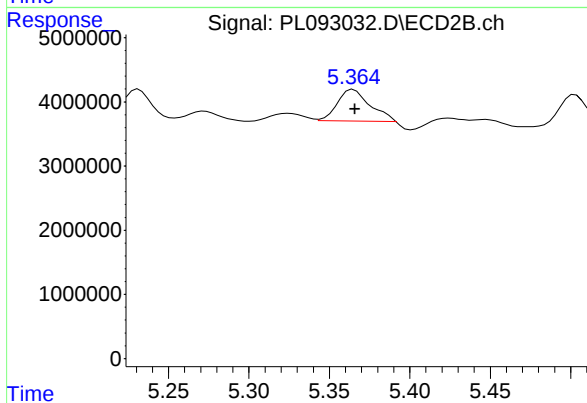
#12 4,4'-DDE

R.T.: 5.230 min
Delta R.T.: -0.005 min
Response: 5197144
Conc: 1.61 ng/ml



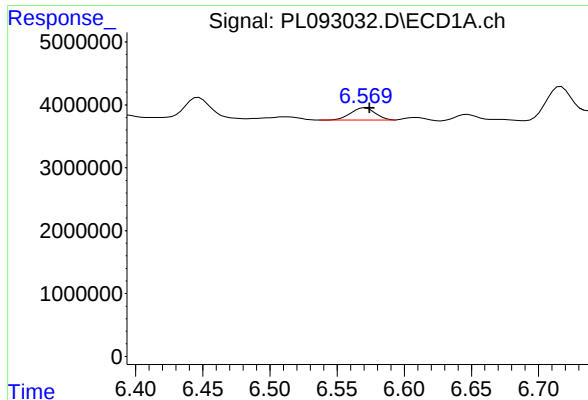
#13 Dieldrin

R.T.: 6.336 min
Delta R.T.: -0.009 min
Response: 1972123
Conc: 0.75 ng/ml



#13 Dieldrin

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 6952759
Conc: 2.08 ng/ml



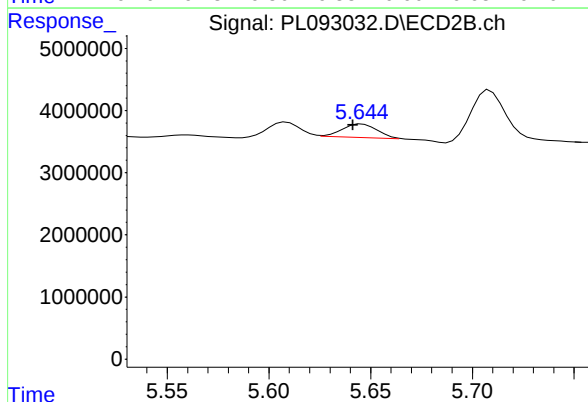
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 2491774
Conc: 1.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-3

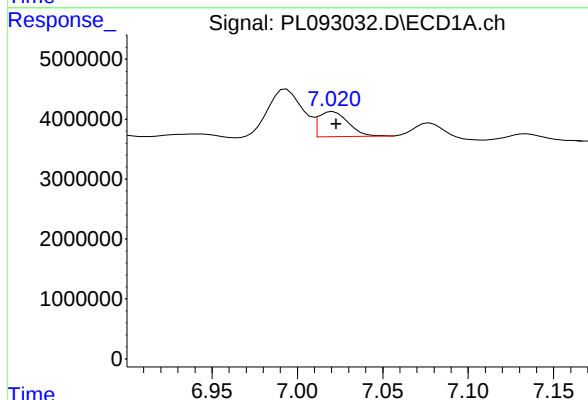
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



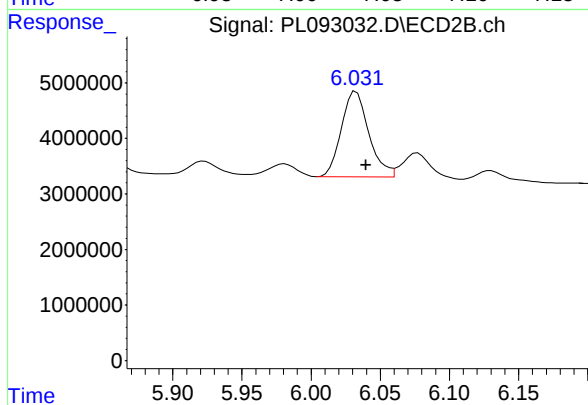
#14 Endrin

R.T.: 5.644 min
Delta R.T.: 0.003 min
Response: 2581100
Conc: 0.89 ng/ml m



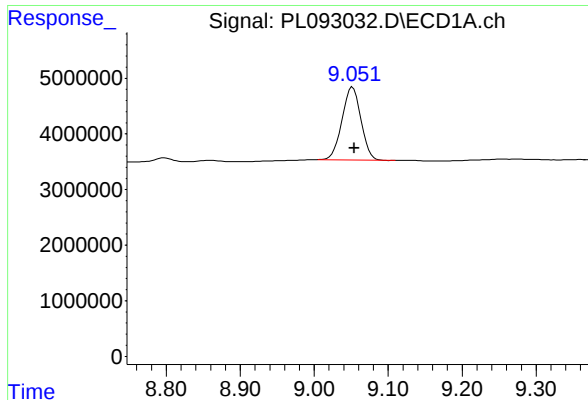
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.002 min
Response: 5108182
Conc: 2.47 ng/ml



#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: -0.009 min
Response: 21121787
Conc: 7.87 ng/ml m



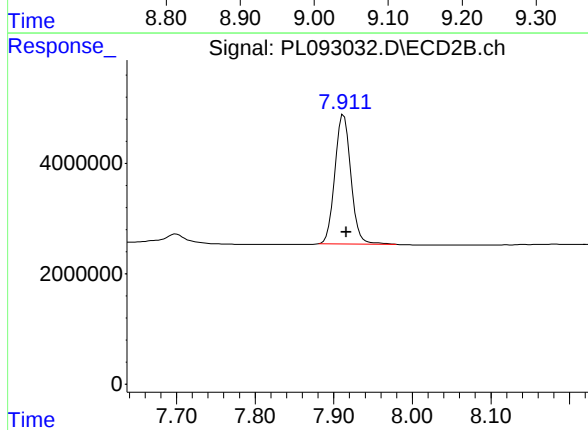
#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.002 min
Response: 23164091
Conc: 12.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: -0.003 min
Response: 33237982
Conc: 12.18 ng/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-4	SDG No.:	P4822
Lab Sample ID:	P4822-08	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.9 Decanted:
Sample Wt/Vol:	30.09 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
PL093033.D	1	11/13/24 08:40	11/13/24 14:37	PB164939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.19	U	0.19	1.80	ug/kg
319-85-7	beta-BHC	0.53	U	0.53	1.80	ug/kg
319-86-8	delta-BHC	0.50	U	0.50	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.20	U	0.20	1.80	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	1.80	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	1.80	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	1.80	ug/kg
60-57-1	Dieldrin	1.40	JP	0.16	1.80	ug/kg
72-55-9	4,4-DDE	1.10	J	0.14	1.80	ug/kg
72-20-8	Endrin	0.74	J	0.17	1.80	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.80	ug/kg
72-54-8	4,4-DDD	0.20	U	0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	4.40	P	0.18	1.80	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.80	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.80	ug/kg
5103-71-9	alpha-Chlordane	1.90	P	0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.20	U	0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.60	U	5.60	35.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.1		30 (10) - 150 (148)	75%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.6		30 (10) - 150 (159)	78%	SPK: 20

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-4	SDG No.:	P4822
Lab Sample ID:	P4822-08	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.9 Decanted:
Sample Wt/Vol:	30.09 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
PL093033.D	1	11/13/24 08:40	11/13/24 14:37	PB164939

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\PL111324\
 Data File : PL093033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 14:37
 Operator : AR\AJ
 Sample : P4822-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SOIL-4

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 14 00:32:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 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	2.776	38326708	41694002	15.642	15.322
28) SA Decachlor...	9.052	7.913	29047050	40652691	15.093	14.895
Target Compounds						
11) B alpha-Chl...	6.021	5.040	14391594	6767292	5.435	2.035m#
12) B 4,4'-DDE	6.188	5.232	7085391	8479656	2.991m	2.632
13) MA Dieldrin	6.336	5.364	3637755	13091012	1.380m	3.919m#
14) MA Endrin	6.570	5.644	4718890	4714181	2.073m	1.630m
17) MA 4,4'-DDT	7.022	6.032	9553280	32987840	4.616	12.299m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111324\
Data File : PL093033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 14:37
Operator : AR\AJ
Sample : P4822-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SOIL-4

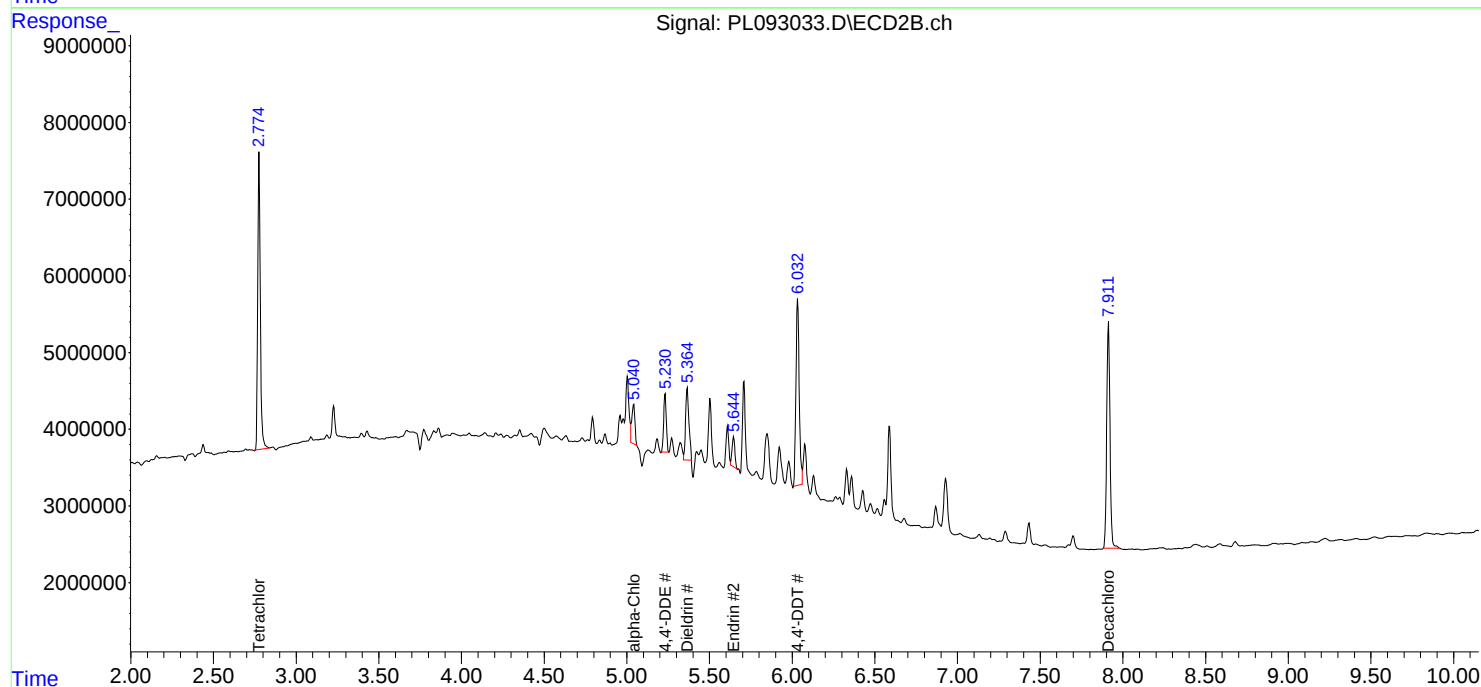
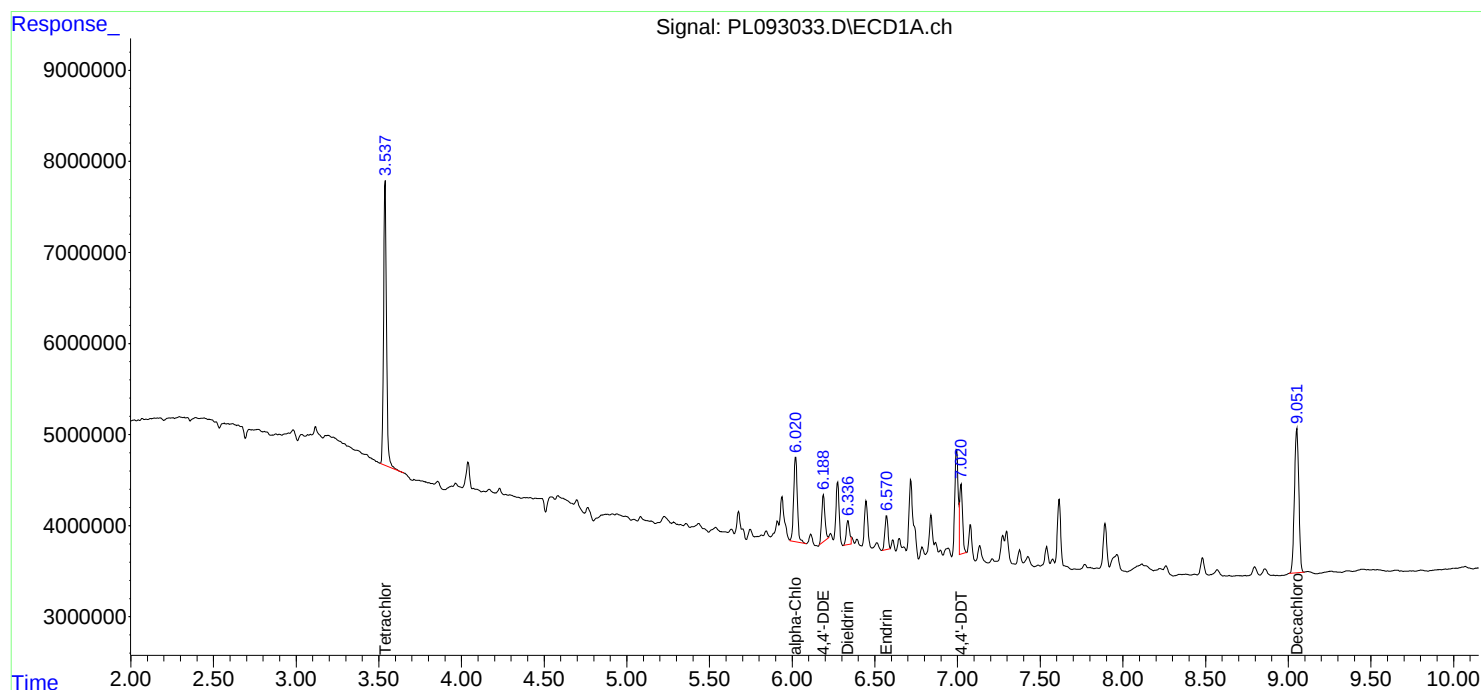
Manual Integrations**APPROVED**

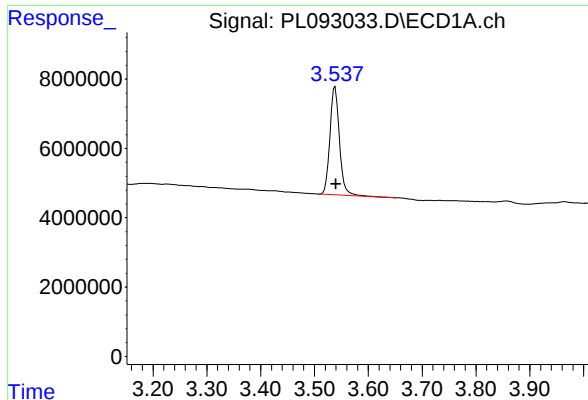
Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 14 00:32:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 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





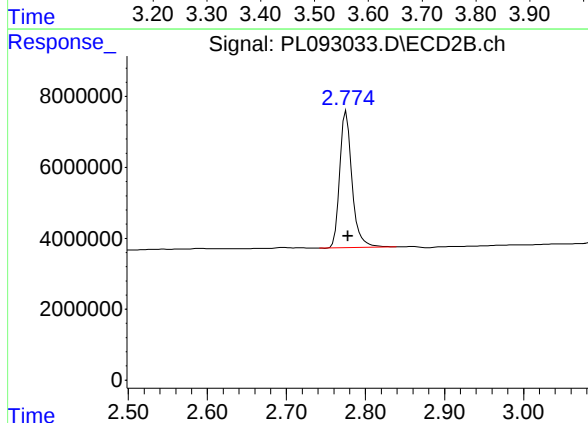
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.002 min
Response: 38326708
Conc: 15.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-4

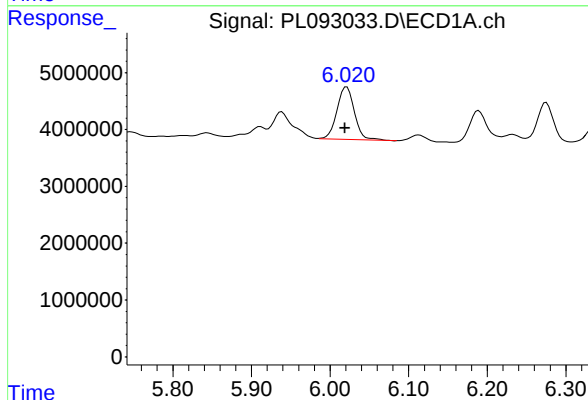
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



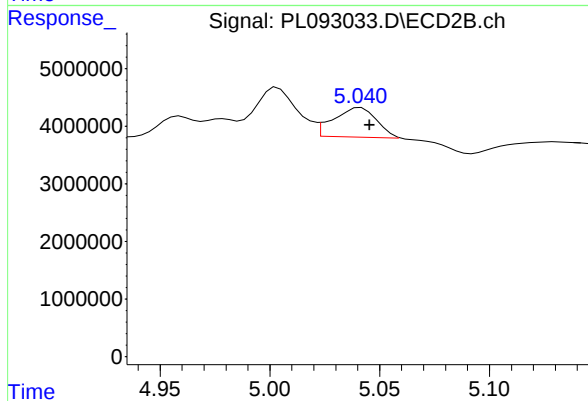
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.002 min
Response: 41694002
Conc: 15.32 ng/ml



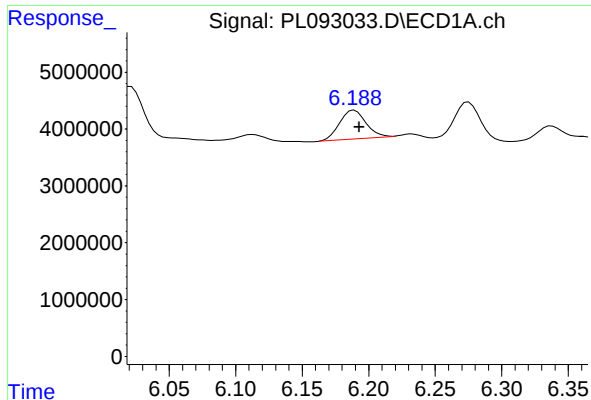
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.002 min
Response: 14391594
Conc: 5.43 ng/ml



#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: -0.005 min
Response: 6767292
Conc: 2.03 ng/ml m



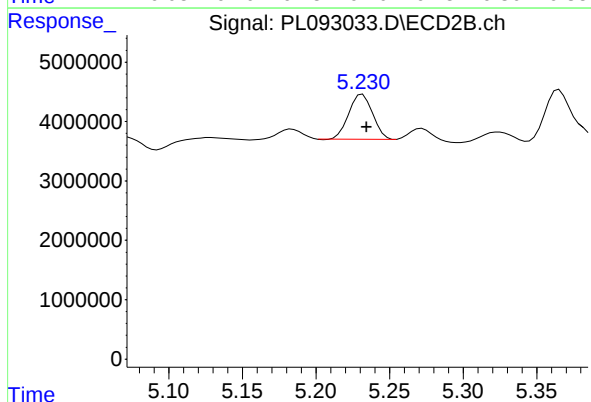
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: -0.005 min
Response: 7085391
Conc: 2.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-4

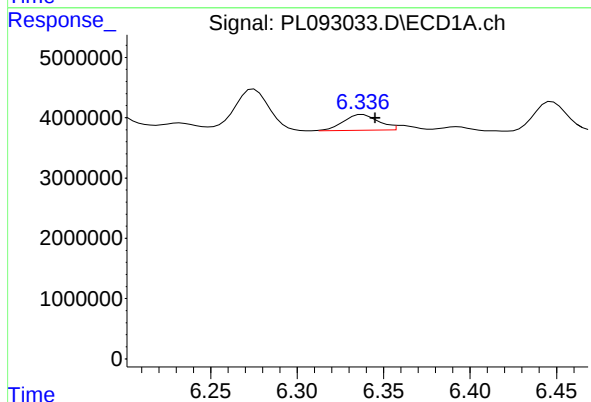
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



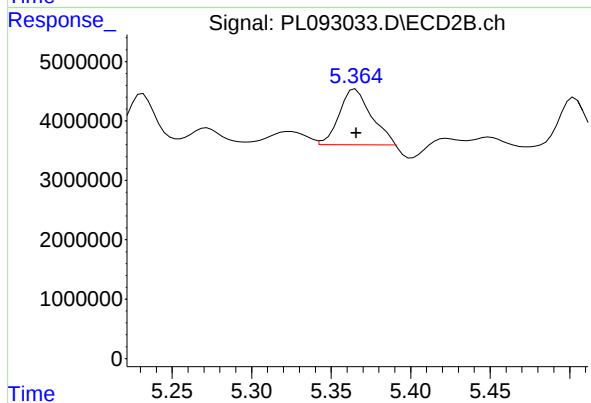
#12 4,4'-DDE

R.T.: 5.232 min
Delta R.T.: -0.003 min
Response: 8479656
Conc: 2.63 ng/ml



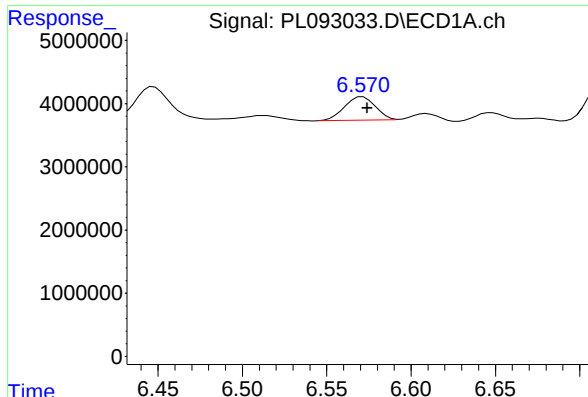
#13 Dieldrin

R.T.: 6.336 min
Delta R.T.: -0.009 min
Response: 3637755
Conc: 1.38 ng/ml m



#13 Dieldrin

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 13091012
Conc: 3.92 ng/ml m



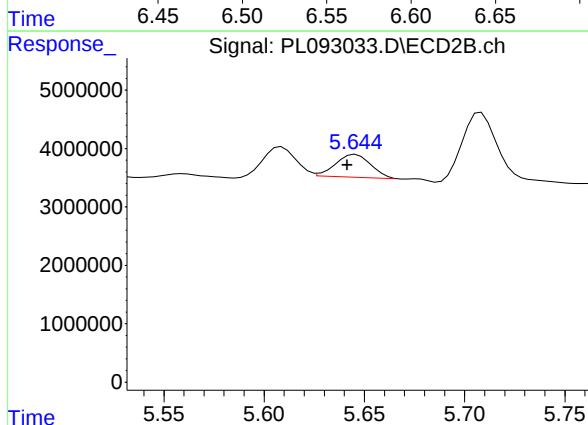
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.004 min
Response: 4718890
Conc: 2.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-4

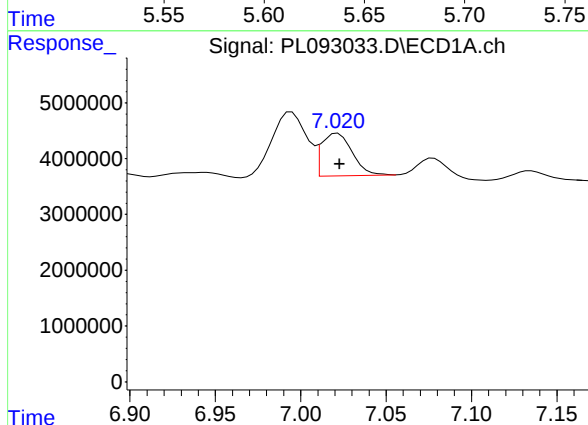
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



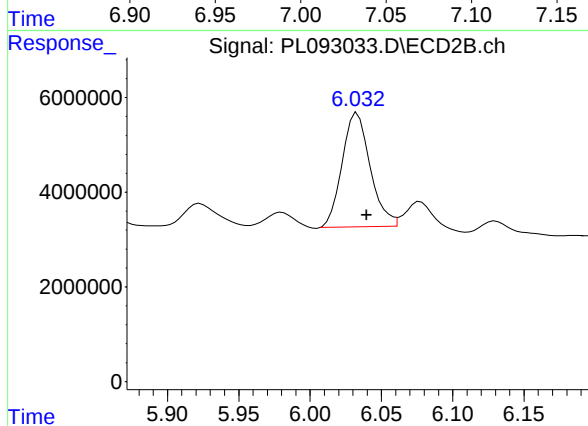
#14 Endrin

R.T.: 5.644 min
Delta R.T.: 0.003 min
Response: 4714181
Conc: 1.63 ng/ml m



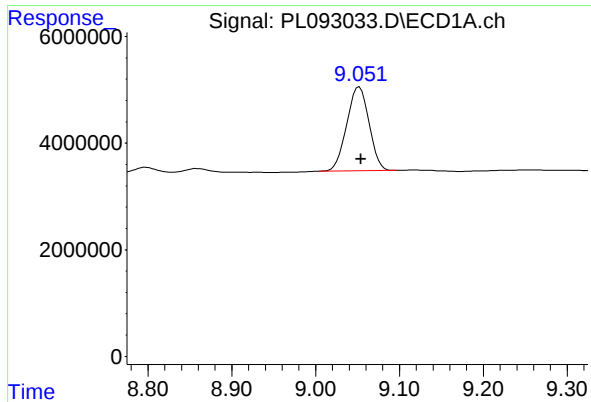
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: -0.001 min
Response: 9553280
Conc: 4.62 ng/ml



#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: -0.008 min
Response: 32987840
Conc: 12.30 ng/ml m



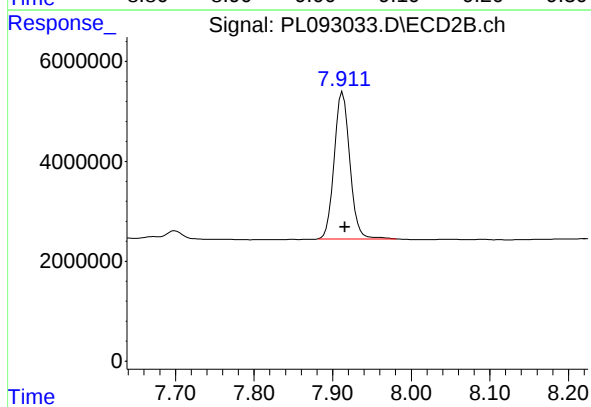
#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.002 min
Response: 29047050
Conc: 15.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: -0.003 min
Response: 40652691
Conc: 14.90 ng/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-5	SDG No.:	P4822
Lab Sample ID:	P4822-10	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.5 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
PL093034.D	1	11/13/24 08:40	11/13/24 14:51	PB164939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.20	U	0.20	1.90	ug/kg
319-85-7	beta-BHC	0.53	U	0.53	1.90	ug/kg
319-86-8	delta-BHC	0.51	U	0.51	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.21	U	0.21	1.90	ug/kg
76-44-8	Heptachlor	0.19	U	0.19	1.90	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	1.90	ug/kg
959-98-8	Endosulfan I	0.19	U	0.19	1.90	ug/kg
60-57-1	Dieldrin	1.30	JP	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.90	ug/kg
72-20-8	Endrin	0.38	J	0.17	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.21	U	0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.57	JP	0.14	1.90	ug/kg
50-29-3	4,4-DDT	2.60	P	0.19	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	1.20	JP	0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	1.90	P	0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	36.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.5		30 (10) - 150 (148)	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		30 (10) - 150 (159)	103%	SPK: 20

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-5	SDG No.:	P4822
Lab Sample ID:	P4822-10	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.5 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
PL093034.D	1	11/13/24 08:40	11/13/24 14:51	PB164939

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\PL111324\
 Data File : PL093034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 14:51
 Operator : AR\AJ
 Sample : P4822-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SOIL-5

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 14 00:33:10 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 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	2.776	47901211	55786177	19.550	20.501
28) SA Decachlor...	9.052	7.913	33759274	47035453	17.541	17.234
Target Compounds						
10) B gamma-Chl...	5.936	4.988	5762095	17576187	2.166m	5.228m#
11) B alpha-Chl...	6.021	5.041	9052451	5084196	3.418	1.529m#
13) MA Dieldrin	6.338	5.366	2784932	11974028	1.057m	3.585 #
14) MA Endrin	6.572	5.645	2390831	2563314	1.050	0.886m
17) MA 4,4'-DDT	7.021	6.032	5220561	19254154	2.522	7.178m#
19) B Endosulfa...	7.163	6.325	3395195	2532963	1.564m	0.939m#
22) Mirex	8.117	7.019	2814803	3865383	1.420	1.482m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111324\
Data File : PL093034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 14:51
Operator : AR\AJ
Sample : P4822-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SOIL-5

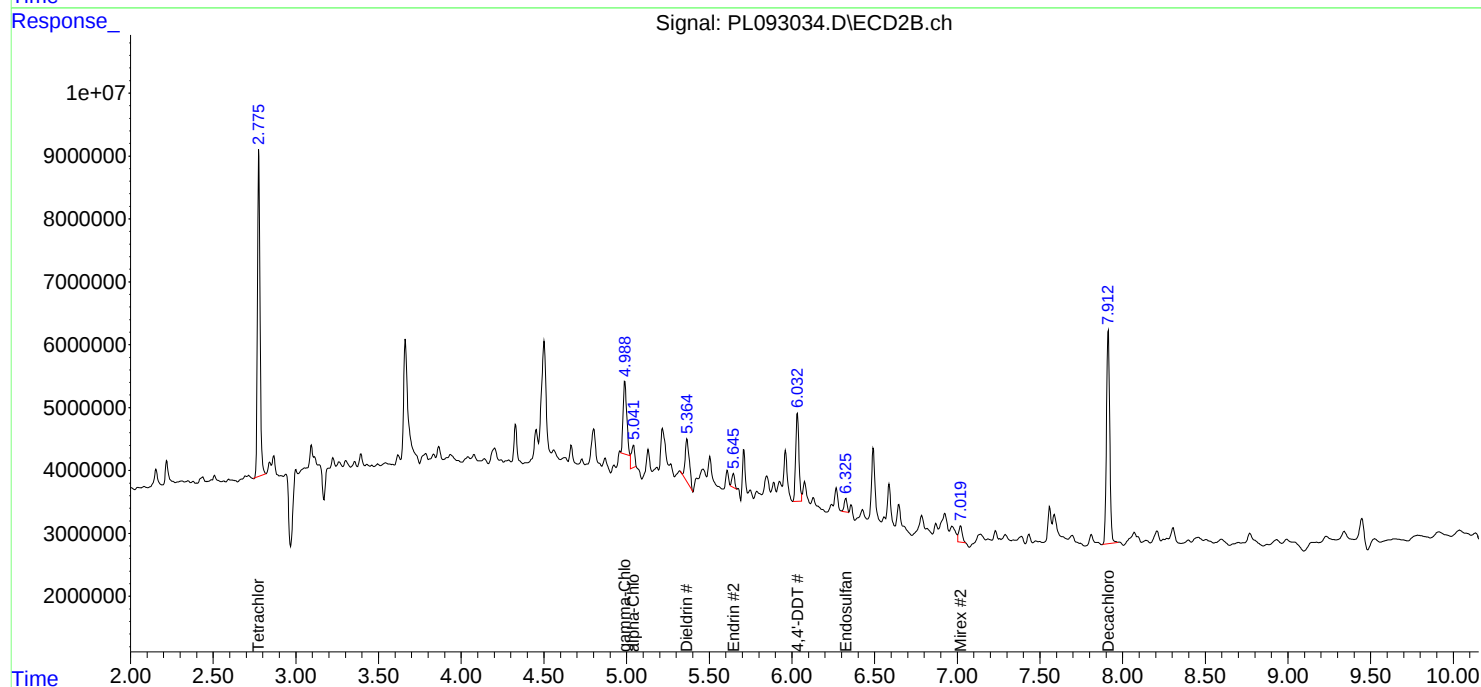
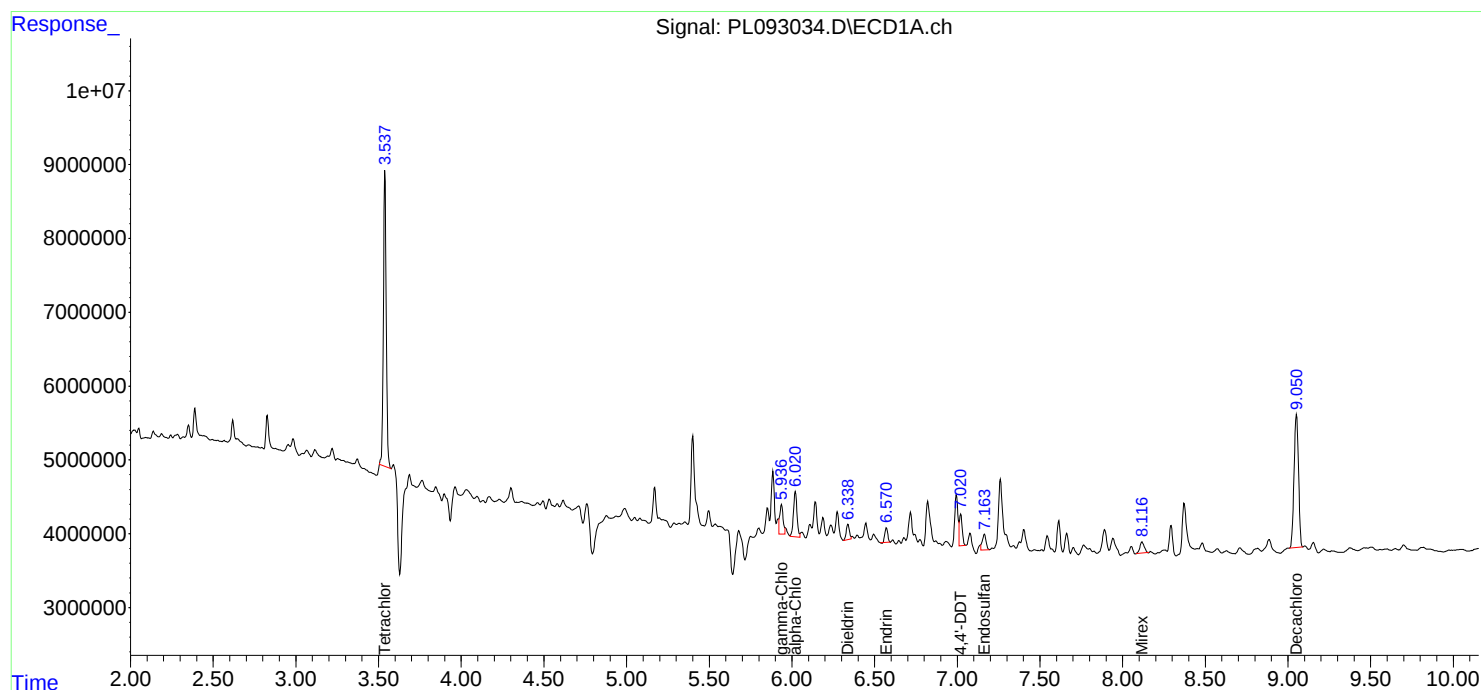
Manual Integrations**APPROVED**

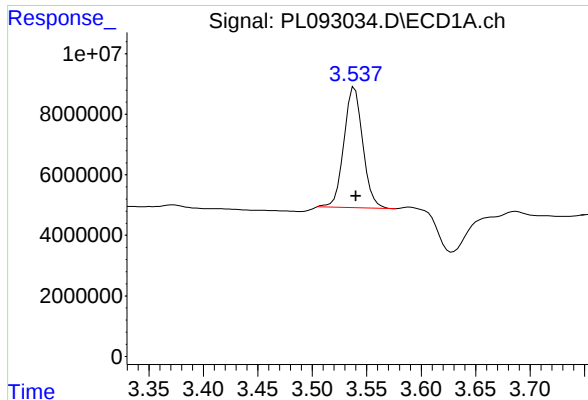
Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 14 00:33:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 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





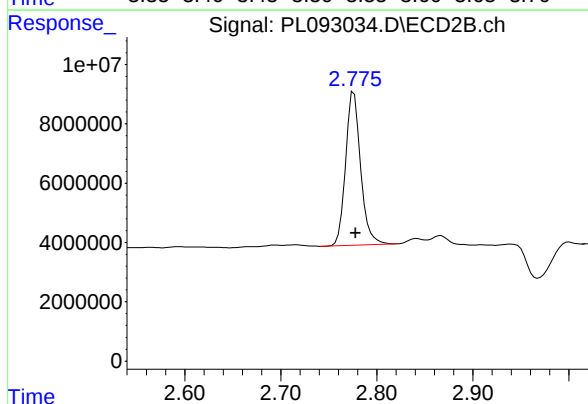
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: -0.001 min
Response: 47901211
Conc: 19.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-5

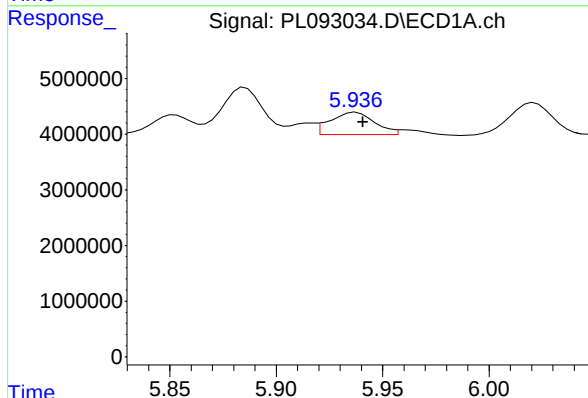
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



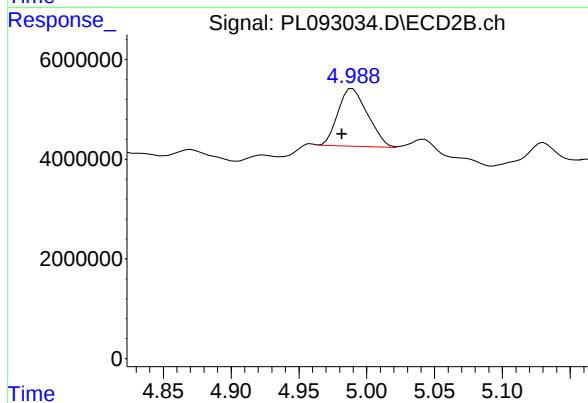
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.002 min
Response: 55786177
Conc: 20.50 ng/ml



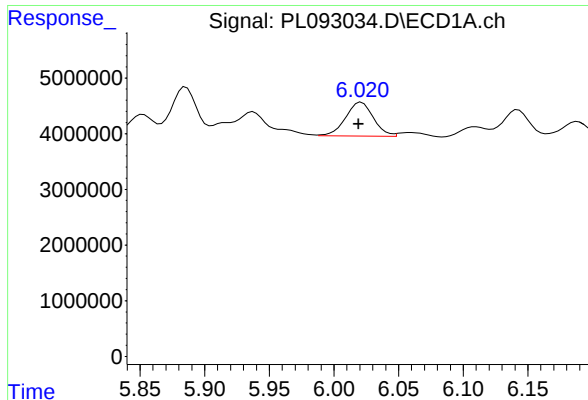
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: -0.005 min
Response: 5762095
Conc: 2.17 ng/ml m



#10 gamma-Chlordane

R.T.: 4.988 min
Delta R.T.: 0.006 min
Response: 17576187
Conc: 5.23 ng/ml m



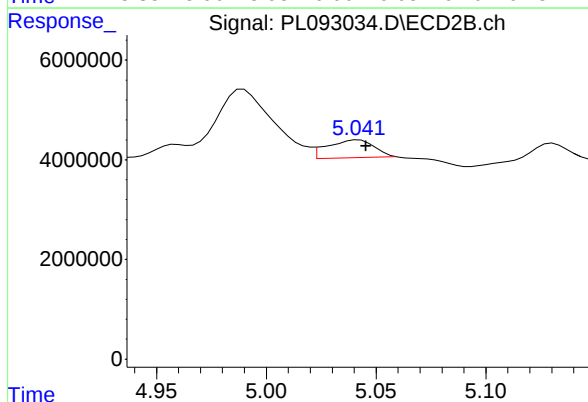
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.002 min
Response: 9052451
Conc: 3.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-5

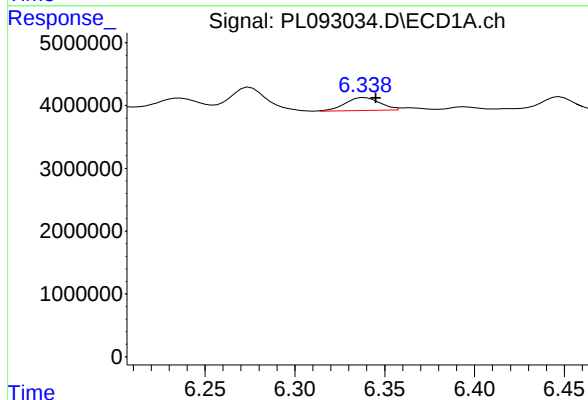
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



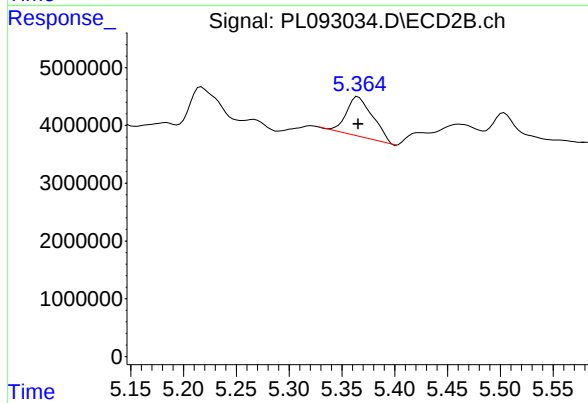
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: -0.005 min
Response: 5084196
Conc: 1.53 ng/ml m



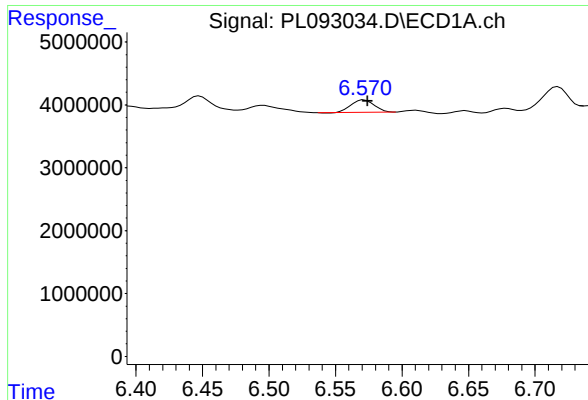
#13 Dieldrin

R.T.: 6.338 min
Delta R.T.: -0.008 min
Response: 2784932
Conc: 1.06 ng/ml m



#13 Dieldrin

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 11974028
Conc: 3.58 ng/ml



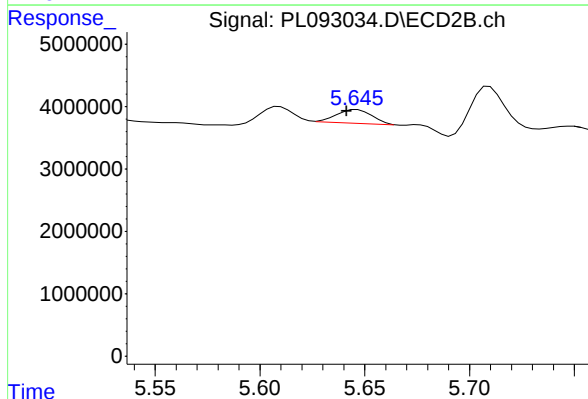
#14 Endrin

R.T.: 6.572 min
Delta R.T.: -0.003 min
Response: 2390831
Conc: 1.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-5

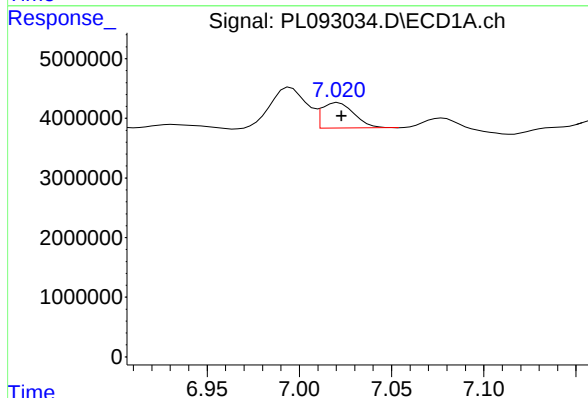
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



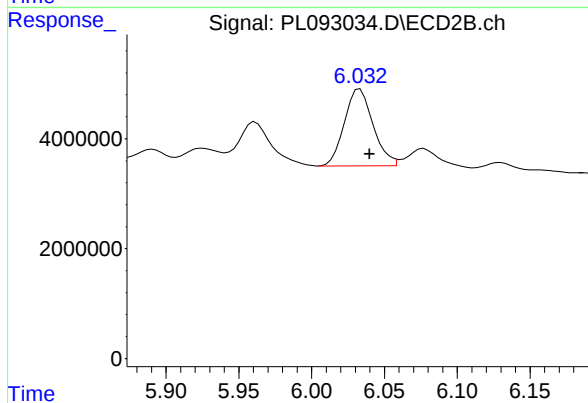
#14 Endrin

R.T.: 5.645 min
Delta R.T.: 0.003 min
Response: 2563314
Conc: 0.89 ng/ml m



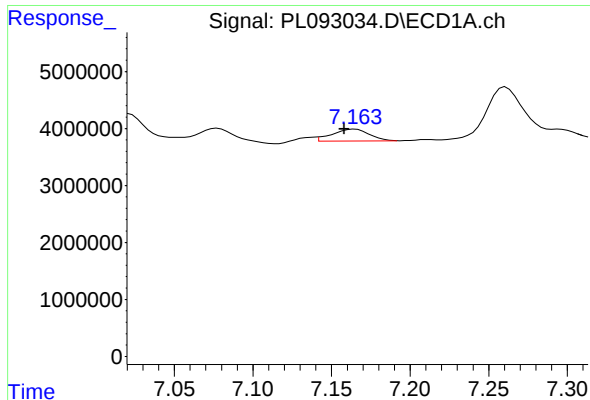
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.002 min
Response: 5220561
Conc: 2.52 ng/ml



#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: -0.008 min
Response: 19254154
Conc: 7.18 ng/ml m



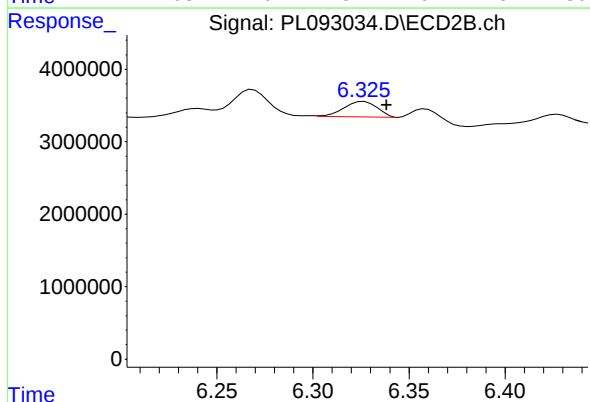
#19 Endosulfan Sulfate

R.T.: 7.163 min
Delta R.T.: 0.005 min
Response: 3395195
Conc: 1.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-5

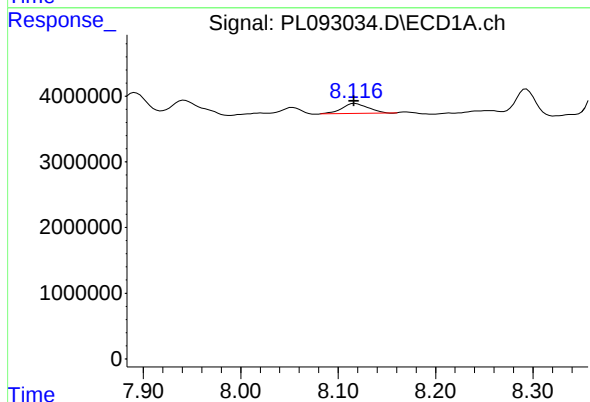
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



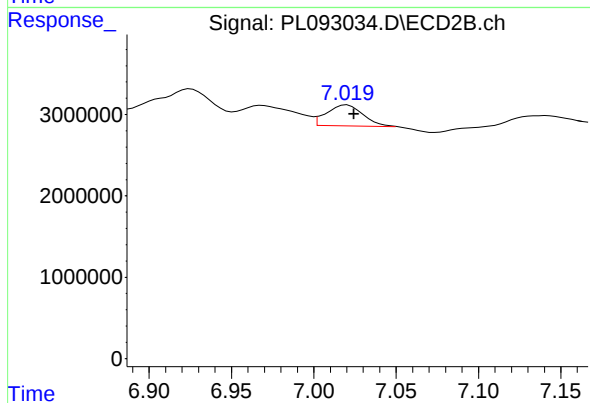
#19 Endosulfan Sulfate

R.T.: 6.325 min
Delta R.T.: -0.013 min
Response: 2532963
Conc: 0.94 ng/ml m



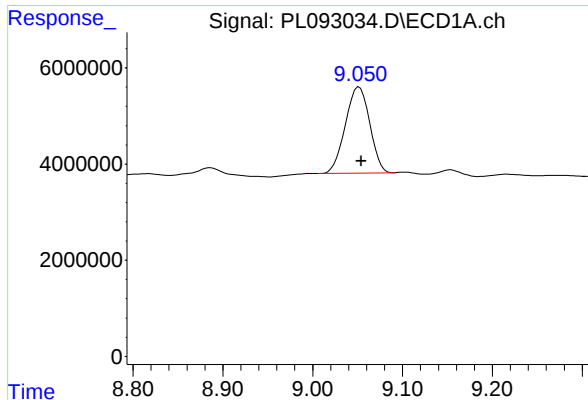
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.001 min
Response: 2814803
Conc: 1.42 ng/ml



#22 Mirex

R.T.: 7.019 min
Delta R.T.: -0.005 min
Response: 3865383
Conc: 1.48 ng/ml m



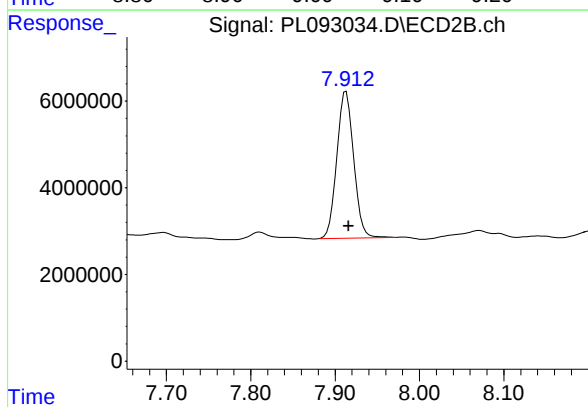
#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.002 min
Response: 33759274
Conc: 17.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: -0.003 min
Response: 47035453
Conc: 17.23 ng/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-6	SDG No.:	P4822
Lab Sample ID:	P4822-12	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.3 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
PL093035.D	1	11/13/24 08:40	11/13/24 15:04	PB164939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.20	U	0.20	1.90	ug/kg
319-85-7	beta-BHC	0.54	U	0.54	1.90	ug/kg
319-86-8	delta-BHC	0.51	U	0.51	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.21	U	0.21	1.90	ug/kg
76-44-8	Heptachlor	0.19	U	0.19	1.90	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	1.90	ug/kg
959-98-8	Endosulfan I	0.19	U	0.19	1.90	ug/kg
60-57-1	Dieldrin	0.49	JP	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.32	J	0.14	1.90	ug/kg
72-20-8	Endrin	0.24	J	0.18	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.21	U	0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	1.60	JP	0.19	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	1.80	JP	0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.87	JP	0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	36.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.9		30 (10) - 150 (148)	75%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.7		30 (10) - 150 (159)	78%	SPK: 20

Report of Analysis

Client:	BAPS North Bergen		Date Collected:	11/12/24	
Project:	BAPS North Bergen		Date Received:	11/12/24	
Client Sample ID:	SOIL-6		SDG No.:	P4822	
Lab Sample ID:	P4822-12		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	91.3	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
PL093035.D	1	11/13/24 08:40	11/13/24 15:04	PB164939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PL111324\
 Data File : PL093035.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 15:04
 Operator : AR\AJ
 Sample : P4822-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SOIL-6

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 14 00:33:33 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 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	2.775	38337409	41439235	15.646	15.228
28) SA Decachlor...	9.052	7.913	28768418	38357561	14.948	14.054
Target Compounds						
10) B gamma-Chl...	5.937	4.978	6371954	3893800	2.395m	1.158m#
11) B alpha-Chl...	6.021	5.041	13355579	7188673	5.043	2.161m#
12) B 4,4'-DDE	6.187	5.230	1983813	2800247	0.837	0.869m
13) MA Dieldrin	6.336	5.364	2361025	4505768	0.896	1.349m#
14) MA Endrin	6.569	5.645	1492945	1525291	0.656m	0.527m
17) MA 4,4'-DDT	7.021	6.032	2685986	11630860	1.298	4.336m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111324\
Data File : PL093035.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 15:04
Operator : AR\AJ
Sample : P4822-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SOIL-6

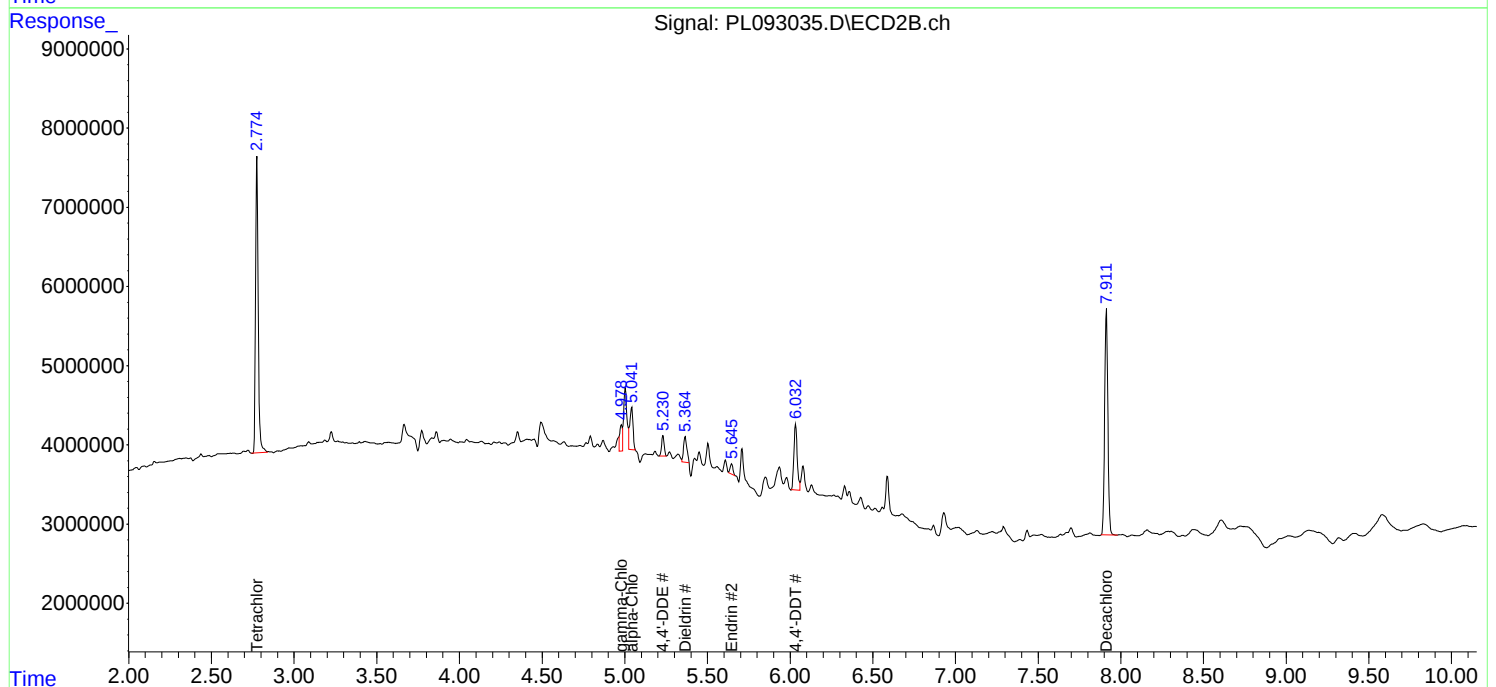
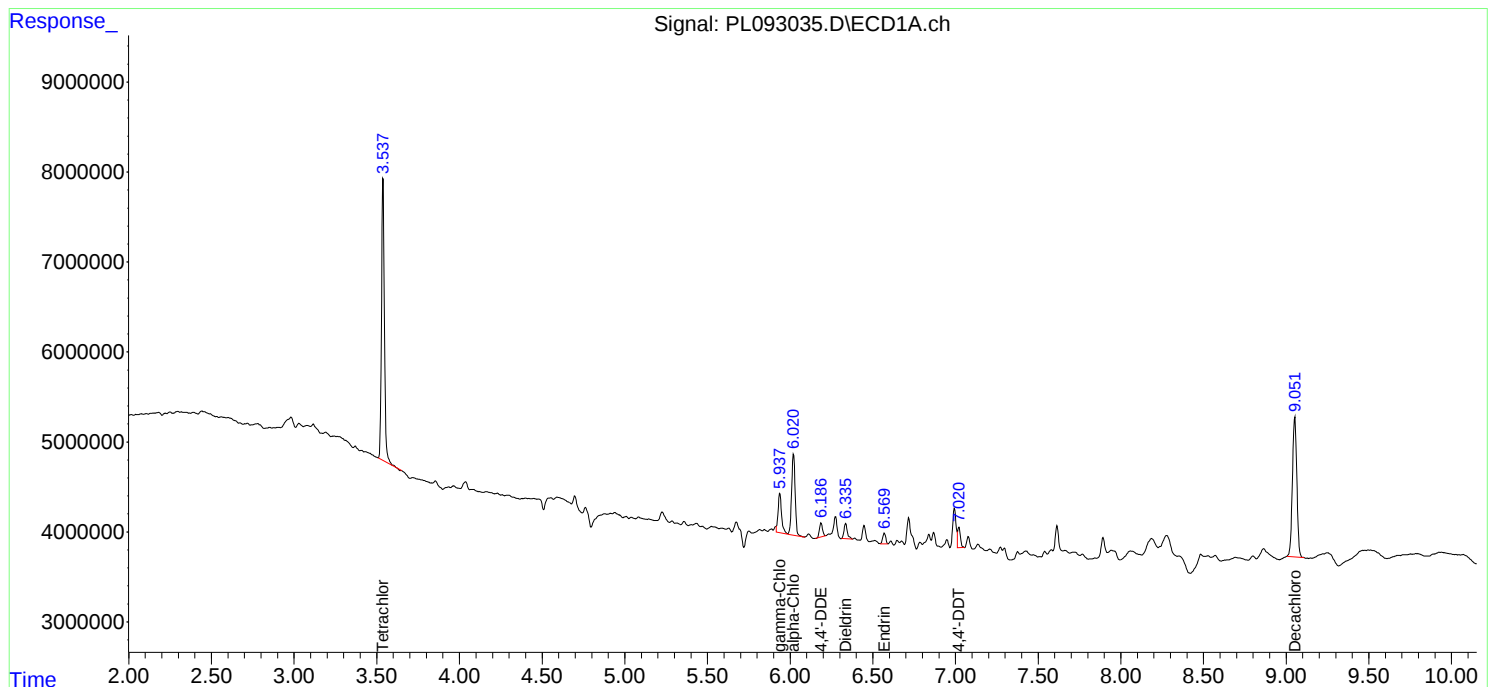
Manual Integrations**APPROVED**

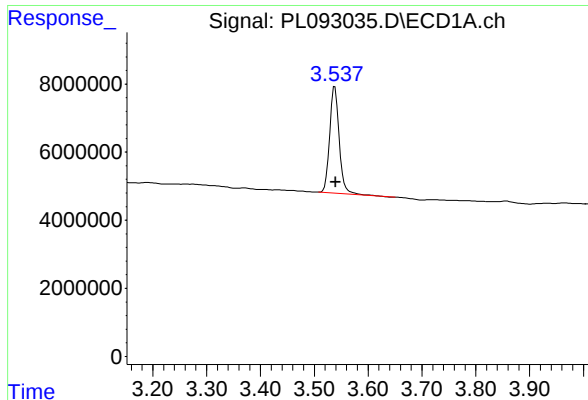
Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 14 00:33:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 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





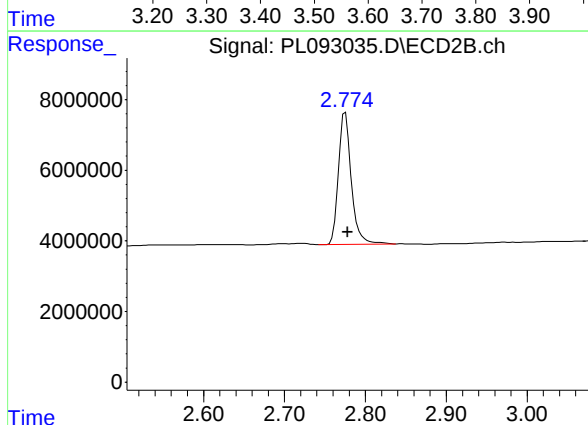
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.002 min
Response: 38337409
Conc: 15.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-6

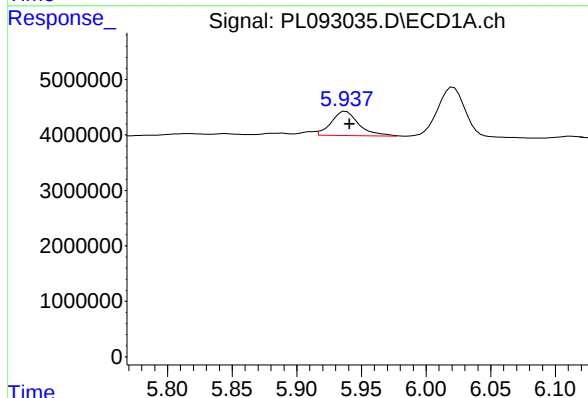
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



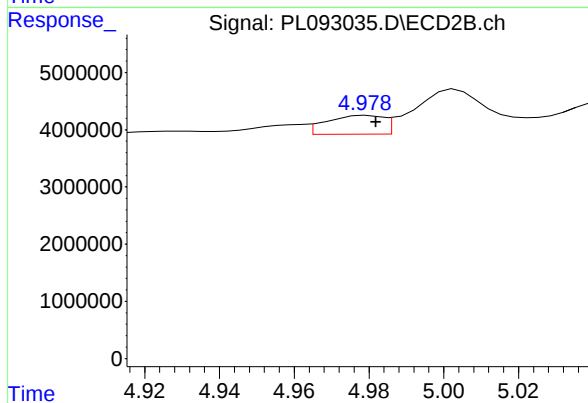
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: -0.003 min
Response: 41439235
Conc: 15.23 ng/ml



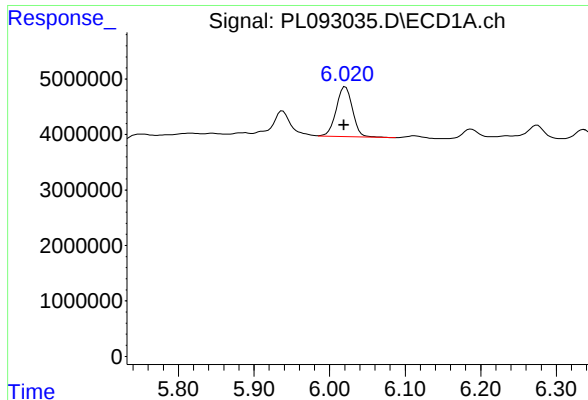
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.004 min
Response: 6371954
Conc: 2.39 ng/ml m



#10 gamma-Chlordane

R.T.: 4.978 min
Delta R.T.: -0.004 min
Response: 3893800
Conc: 1.16 ng/ml m



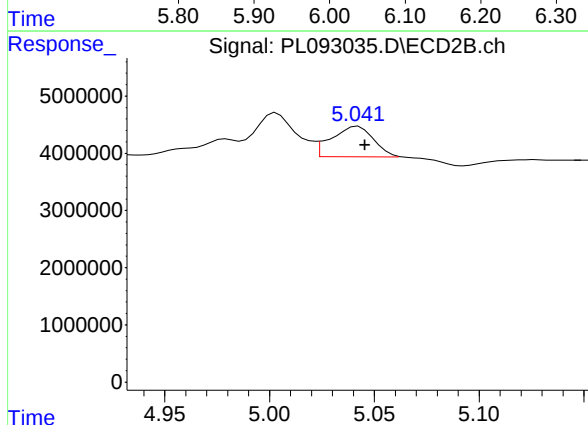
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.002 min
Response: 13355579
Conc: 5.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-6

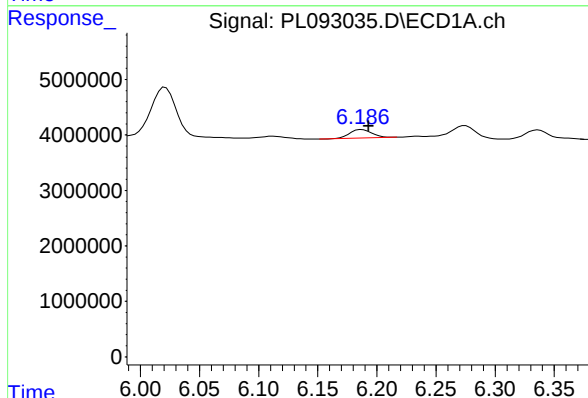
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



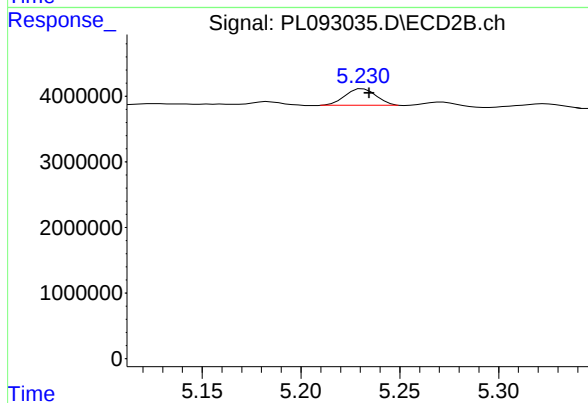
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: -0.005 min
Response: 7188673
Conc: 2.16 ng/ml m



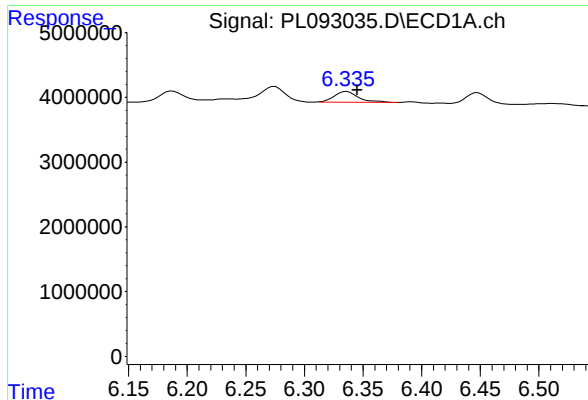
#12 4,4'-DDE

R.T.: 6.187 min
Delta R.T.: -0.006 min
Response: 1983813
Conc: 0.84 ng/ml



#12 4,4'-DDE

R.T.: 5.230 min
Delta R.T.: -0.005 min
Response: 2800247
Conc: 0.87 ng/ml m



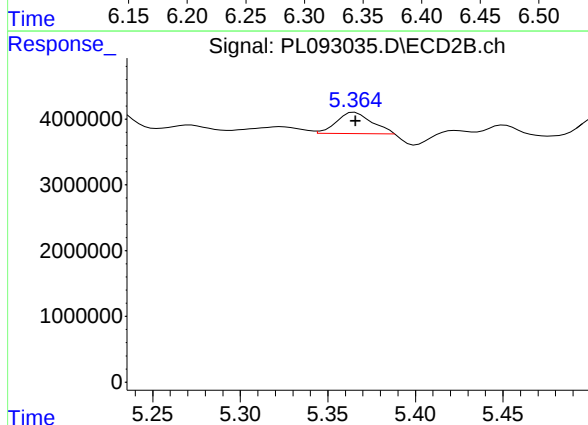
#13 Dieldrin

R.T.: 6.336 min
Delta R.T.: -0.009 min
Response: 2361025
Conc: 0.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-6

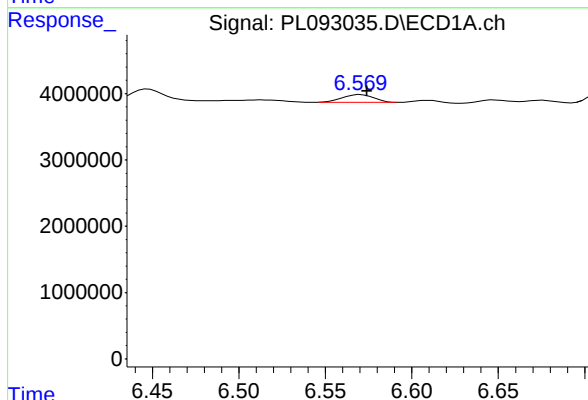
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



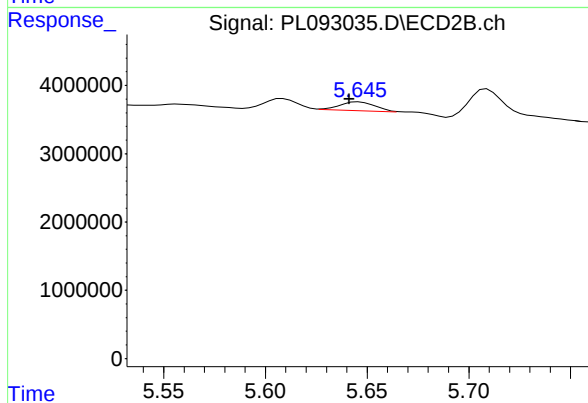
#13 Dieldrin

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 4505768
Conc: 1.35 ng/ml



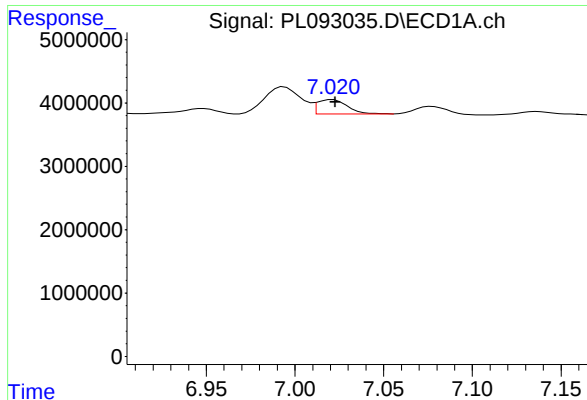
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.005 min
Response: 1492945
Conc: 0.66 ng/ml



#14 Endrin

R.T.: 5.645 min
Delta R.T.: 0.004 min
Response: 1525291
Conc: 0.53 ng/ml



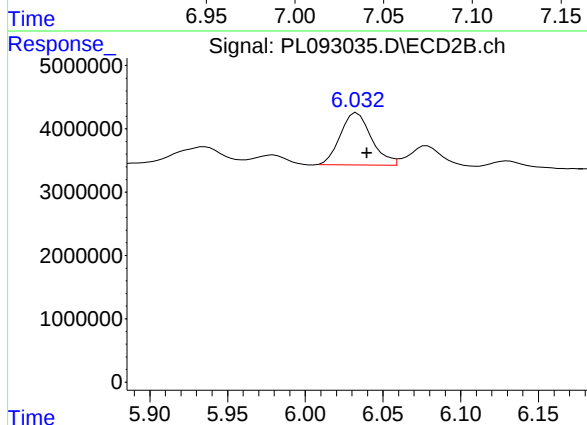
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.002 min
Response: 2685986
Conc: 1.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-6

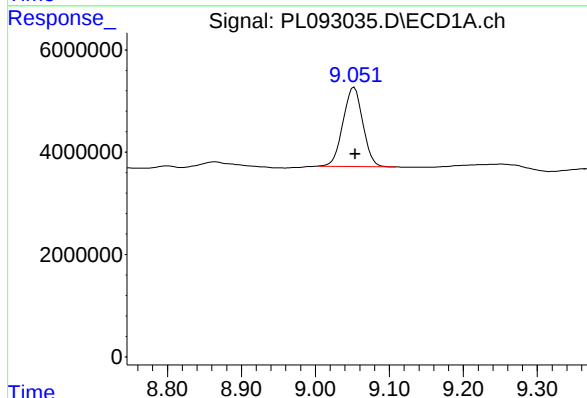
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



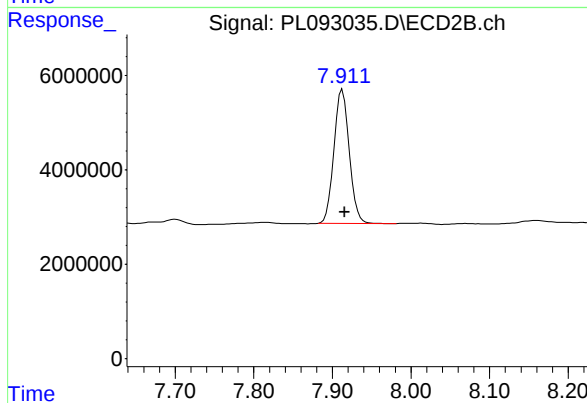
#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: -0.008 min
Response: 11630860
Conc: 4.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.002 min
Response: 28768418
Conc: 14.95 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: -0.003 min
Response: 38357561
Conc: 14.05 ng/ml



CALIBRATION SUMMARY

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

[illegible]

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: BAPS03
Lab Code: CHEM **Case No.:** P4822 **SAS No.:** P4822 **SDG NO.:** P4822
Instrument ID: ECD_L
Calibration Date(s): 10/28/2024 10/28/2024
Calibration Times: 14:43 15:36
GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 = <u>PL092655.D</u>		CF 075 = <u>PL092656.D</u>			
CF 050 = <u>PL092657.D</u>		CF 025 = <u>PL092658.D</u>		CF 005 = <u>PL092659.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1810270000	1801980000	1817980000	1967770000	2199620000	1919520000	9
4,4'-DDE	2254070000	2226390000	2230050000	2402470000	2732960000	2369190000	9
4,4'-DDT	1948940000	1933390000	1940720000	2113460000	2412250000	2069750000	10
Aldrin	2847480000	2802990000	2807290000	3047230000	3502400000	3001480000	10
alpha-BHC	3356530000	3271880000	3230400000	3397090000	3701950000	3391570000	5
alpha-Chlordane	2486640000	2469090000	2489960000	2701720000	3093310000	2648140000	10
beta-BHC	1343260000	1339050000	1368530000	1491800000	1684660000	1445460000	10
Decachlorobiphenyl	1738840000	1756630000	1819720000	1998760000	2308800000	1924550000	12
delta-BHC	3067660000	2980040000	2949010000	3119670000	3533000000	3129870000	8
Dieldrin	2486930000	2456960000	2476030000	2679410000	3078050000	2635480000	10
Endosulfan I	2320690000	2313950000	2348370000	2546170000	2977620000	2501360000	11
Endosulfan II	2159880000	2160930000	2205230000	2449960000	2943170000	2383830000	14
Endosulfan sulfate	1974140000	1979440000	2024740000	2239840000	2633550000	2170340000	13
Endrin	2111540000	2103000000	2121260000	2324460000	2723040000	2276660000	12
Endrin aldehyde	1712300000	1718280000	1758160000	1955910000	2245210000	1877970000	12
Endrin ketone	2253830000	2246660000	2273910000	2471090000	2868570000	2422810000	11
gamma-BHC (Lindane)	3198960000	3133030000	3104430000	3278360000	3583040000	3259560000	6
gamma-Chlordane	2496700000	2477960000	2491940000	2703470000	3133120000	2660640000	11
Heptachlor	2817300000	2795570000	2829220000	3064000000	3509480000	3003110000	10
Heptachlor epoxide	2536240000	2521530000	2566410000	2821600000	3361270000	2761410000	13
Methoxychlor	1040530000	1050870000	1078280000	1189160000	1341160000	1140000000	11
Tetrachloro-m-xylene	2319350000	2304070000	2328420000	2512350000	2786990000	2450240000	8

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: BAPS03
Lab Code: CHEM **Case No.:** P4822 **SAS No.:** P4822 **SDG NO.:** P4822
Instrument ID: ECD_L
Calibration Date(s): 10/28/2024 10/28/2024
Calibration Times: 14:43 15:36

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

LAB FILE ID:		CF 100 = <u>PL092655.D</u>		CF 075 = <u>PL092656.D</u>			
CF 050 = <u>PL092657.D</u>		CF 025 = <u>PL092658.D</u>		CF 005 = <u>PL092659.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2614880000	2506250000	2443430000	2489210000	2396540000	2490060000	3
4,4'-DDE	3334990000	3225880000	3154950000	3209960000	3182260000	3221610000	2
4,4'-DDT	2797500000	2713050000	2637310000	2653690000	2609750000	2682260000	3
Aldrin	3840860000	3705070000	3619180000	3619340000	3516600000	3660210000	3
alpha-BHC	4282500000	4089170000	3973860000	3934480000	3670850000	3990170000	6
alpha-Chlordane	3409310000	3303380000	3254510000	3329310000	3333630000	3326030000	2
beta-BHC	1625150000	1594840000	1591160000	1661990000	1758110000	1646250000	4
Decachlorobiphenyl	2606810000	2575500000	2605540000	2793460000	3064890000	2729240000	8
delta-BHC	4088000000	3924730000	3802680000	3782230000	3618150000	3843150000	5
Dieldrin	3483370000	3364390000	3290100000	3303460000	3260200000	3340300000	3
Endosulfan I	3111480000	3032780000	2993580000	3072340000	3055530000	3053140000	1
Endosulfan II	2881520000	2813750000	2779930000	2861240000	2829950000	2833280000	1
Endosulfan sulfate	2707530000	2646200000	2623690000	2712350000	2794620000	2696880000	2
Endrin	2969490000	2878380000	2828080000	2876210000	2912860000	2893010000	2
Endrin aldehyde	2273700000	2244250000	2230130000	2333460000	2454860000	2307280000	4
Endrin ketone	3089790000	3023040000	3013060000	3097240000	3120850000	3068800000	2
gamma-BHC (Lindane)	4083950000	3934430000	3833920000	3828430000	3616530000	3859450000	4
gamma-Chlordane	3470230000	3355710000	3294030000	3342020000	3346470000	3361690000	2
Heptachlor	3876200000	3766580000	3709120000	3779090000	3738650000	3773930000	2
Heptachlor epoxide	3405420000	3318630000	3272090000	3352830000	3358060000	3341410000	1
Methoxychlor	1400820000	1385450000	1393920000	1470360000	1489590000	1428030000	3
Tetrachloro-m-xylene	2724750000	2661560000	2643180000	2728430000	2847900000	2721160000	3



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

Instrument ID: ECD_L Date(s) Analyzed: 10/28/2024 10/28/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.24	6.14	6.34	23962400
		2	6.44	6.34	6.54	13823600
		3	7.06	6.96	7.16	79159800
		4	7.15	7.05	7.25	59803700
		5	7.93	7.83	8.03	45329200



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

Instrument ID: ECD_L Date(s) Analyzed: 10/28/2024 10/28/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.01	4.91	5.11	19952700
		2	5.33	5.23	5.43	19749600
		3	6.61	6.51	6.71	70222500
		4	6.73	6.63	6.83	98337700
		5	7.05	6.95	7.15	65479700

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
 Data File : PL092655.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 14:43
 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 28 17:08:56 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 17:06:20 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	231.9E6	272.5E6	99.805	101.520
28)	SA Decachlor...	9.054	7.915	173.9E6	260.7E6	97.727	100.024
Target Compounds							
2)	A alpha-BHC	3.996	3.281	335.7E6	428.2E6	101.915	103.738
3)	MA gamma-BHC...	4.328	3.611	319.9E6	408.4E6	101.500	103.158
4)	MA Heptachlor	4.917	3.950	281.7E6	387.6E6	99.789	102.203
5)	MB Aldrin	5.258	4.230	284.7E6	384.1E6	100.711	102.971
6)	B beta-BHC	4.525	3.910	134.3E6	162.5E6	99.068	101.057
7)	B delta-BHC	4.773	4.139	306.8E6	408.8E6	101.972	103.616
8)	B Heptachlo...	5.685	4.732	253.6E6	340.5E6	99.409	101.997
9)	A Endosulfan I	6.070	5.102	232.1E6	311.1E6	99.407	101.931
10)	B gamma-Chl...	5.940	4.982	249.7E6	347.0E6	100.095	102.605
11)	B alpha-Chl...	6.019	5.046	248.7E6	340.9E6	99.933	102.323
12)	B 4,4'-DDE	6.193	5.235	225.4E6	333.5E6	100.536	102.774
13)	MA Dieldrin	6.345	5.366	248.7E6	348.3E6	100.220	102.853
14)	MA Endrin	6.575	5.641	211.2E6	296.9E6	99.771	102.439
15)	B Endosulfa...	6.794	5.936	216.0E6	288.2E6	98.961	101.794
16)	A 4,4'-DDD	6.710	5.789	181.0E6	261.5E6	99.788	103.390
17)	MA 4,4'-DDT	7.024	6.039	194.9E6	279.7E6	100.211	102.948
18)	B Endrin al...	6.924	6.115	171.2E6	227.4E6	98.679	100.967
19)	B Endosulfa...	7.158	6.338	197.4E6	270.8E6	98.735	101.573
20)	A Methoxychlor	7.500	6.614	104.1E6	140.1E6	98.219	100.247
21)	B Endrin ke...	7.643	6.843	225.4E6	309.0E6	99.557	101.257
22)	Mirex	8.117	7.024	176.1E6	246.6E6	97.640	99.464

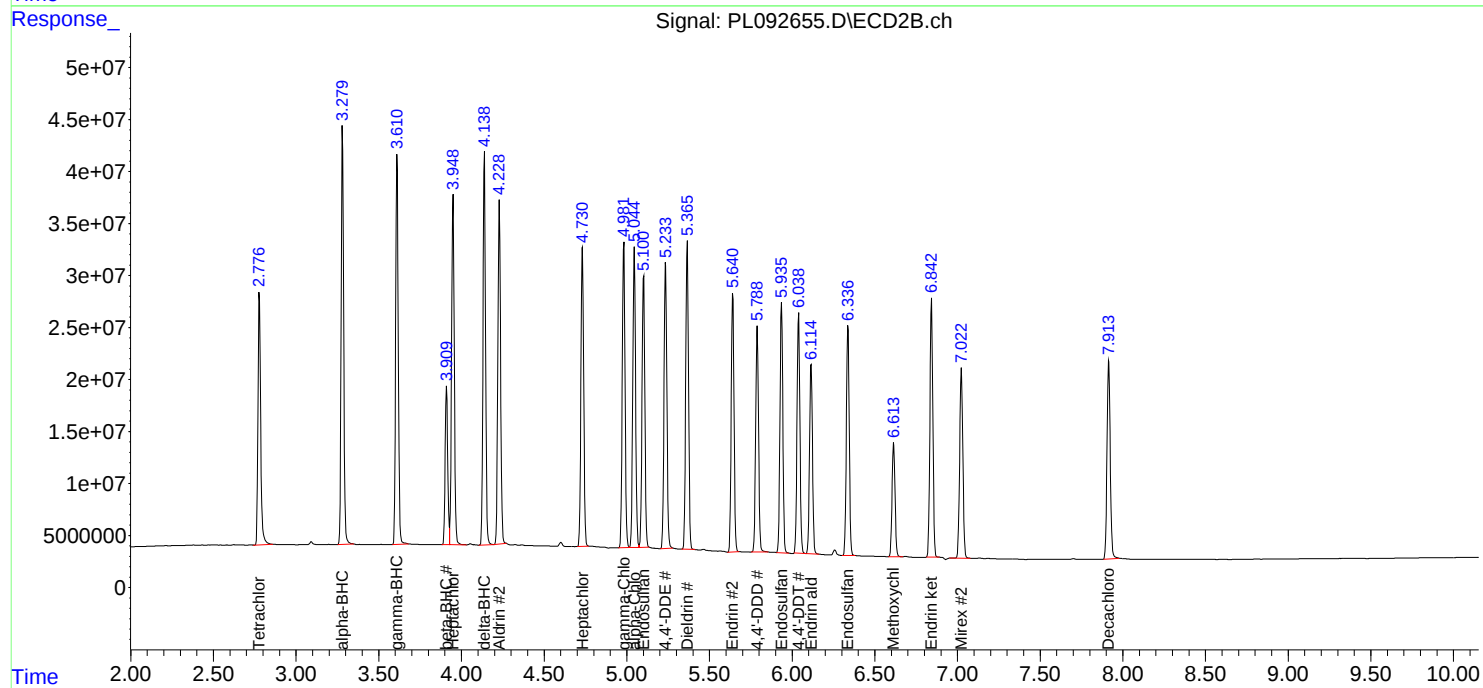
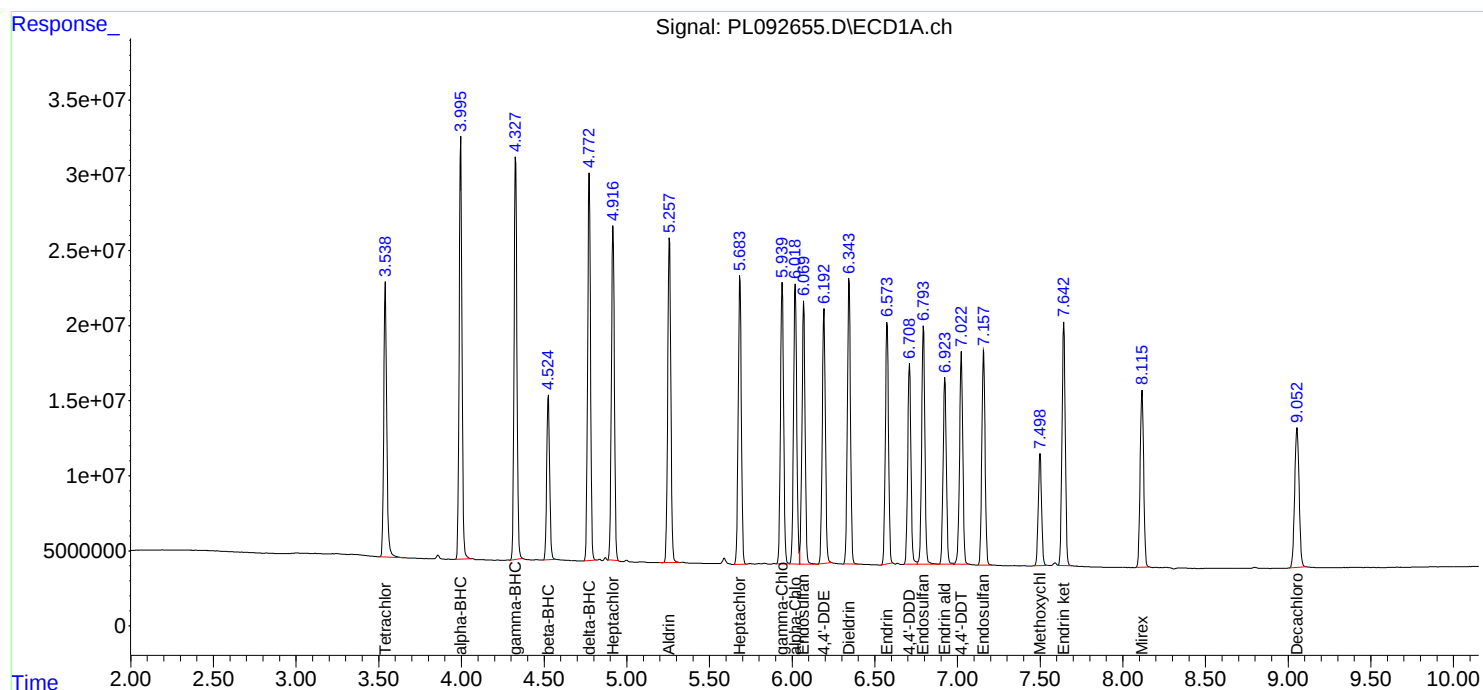
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092655.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:43
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 28 17:08:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:06:20 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
 Data File : PL092656.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 14:56
 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 28 17:11:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 17:10:47 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	172.8E6	199.6E6	74.573	74.581
28)	SA Decachlor...	9.054	7.916	131.7E6	193.2E6	74.361	74.409
Target Compounds							
2)	A alpha-BHC	3.996	3.281	245.4E6	306.7E6	74.672	74.526
3)	MA gamma-BHC...	4.328	3.611	235.0E6	295.1E6	74.703	74.690
4)	MA Heptachlor	4.917	3.950	209.7E6	282.5E6	74.508	74.655
5)	MB Aldrin	5.259	4.230	210.2E6	277.9E6	74.567	74.665
6)	B beta-BHC	4.526	3.911	100.4E6	119.6E6	74.376	74.585
7)	B delta-BHC	4.773	4.140	223.5E6	294.4E6	74.528	74.738
8)	B Heptachlo...	5.685	4.733	189.1E6	248.9E6	74.414	74.698
9)	A Endosulfan I	6.070	5.103	173.5E6	227.5E6	74.558	74.676
10)	B gamma-Chl...	5.941	4.982	185.8E6	251.7E6	74.671	74.608
11)	B alpha-Chl...	6.019	5.047	185.2E6	247.8E6	74.613	74.571
12)	B 4,4'-DDE	6.193	5.235	167.0E6	241.9E6	74.650	74.705
13)	MA Dieldrin	6.345	5.366	184.3E6	252.3E6	74.504	74.669
14)	MA Endrin	6.575	5.642	157.7E6	215.9E6	74.683	74.647
15)	B Endosulfa...	6.794	5.937	162.1E6	211.0E6	74.503	74.700
16)	A 4,4'-DDD	6.710	5.790	135.1E6	188.0E6	74.665	74.546
17)	MA 4,4'-DDT	7.024	6.040	145.0E6	203.5E6	74.705	74.920
18)	B Endrin al...	6.924	6.116	128.9E6	168.3E6	74.510	74.830
19)	B Endosulfa...	7.159	6.339	148.5E6	198.5E6	74.498	74.635
20)	A Methoxychlor	7.500	6.615	78815004	103.9E6	74.596	74.572
21)	B Endrin ke...	7.643	6.844	168.5E6	226.7E6	74.619	74.533
22)	Mirex	8.117	7.024	133.9E6	183.5E6	74.491	74.331

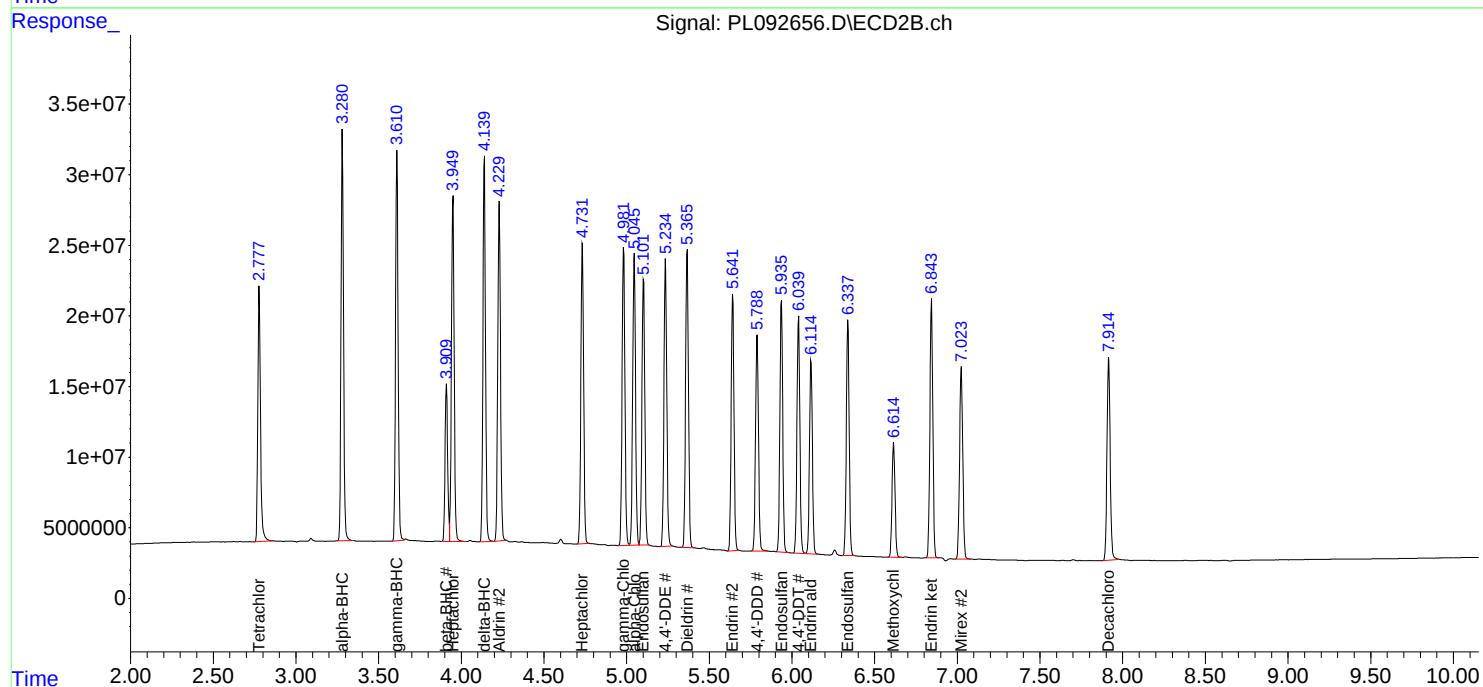
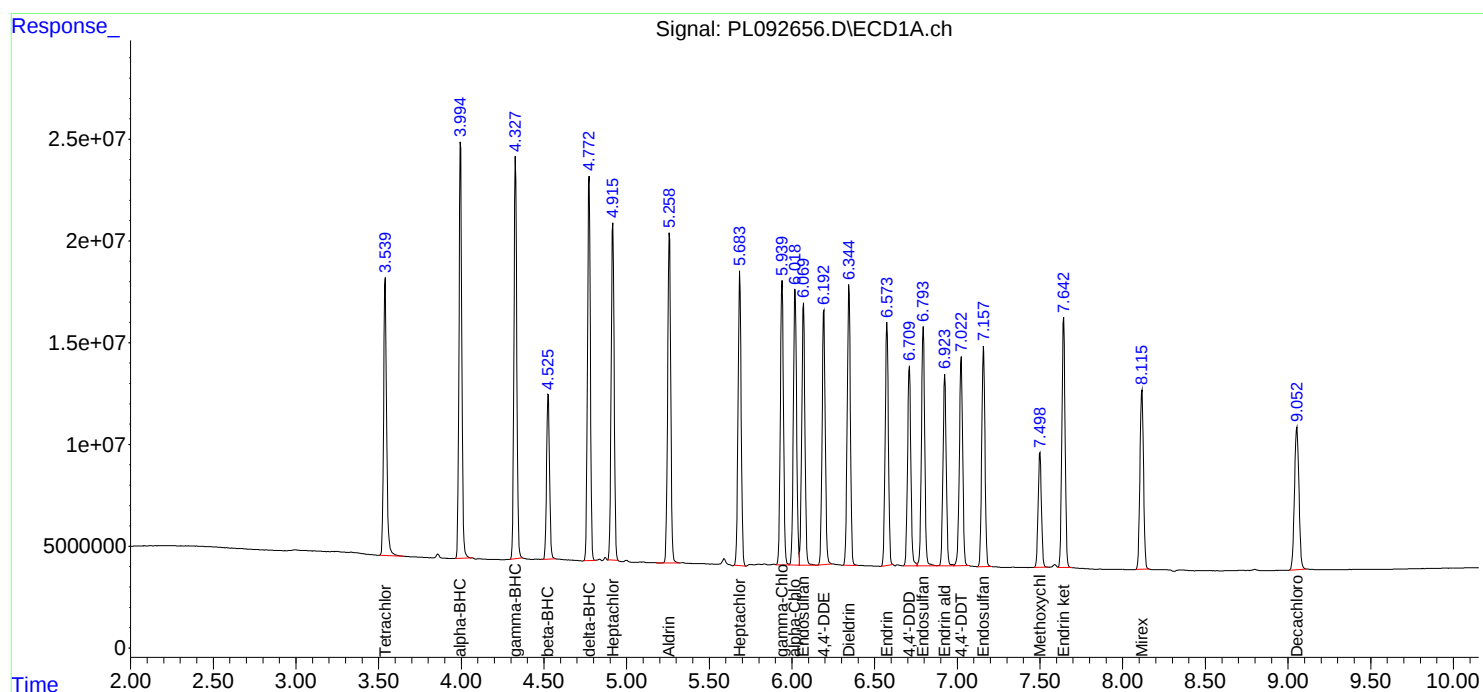
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092656.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:56
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 28 17:11:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
 Data File : PL092657.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 15:09
 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 28 17:06:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 17:06:20 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	116.4E6	132.2E6	50.000	50.000
28)	SA Decachlor...	9.054	7.916	90985898	130.3E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.996	3.281	161.5E6	198.7E6	50.000	50.000
3)	MA gamma-BHC...	4.328	3.611	155.2E6	191.7E6	50.000	50.000
4)	MA Heptachlor	4.917	3.949	141.5E6	185.5E6	50.000	50.000
5)	MB Aldrin	5.258	4.229	140.4E6	181.0E6	50.000	50.000
6)	B beta-BHC	4.525	3.910	68426712	79558092	50.000	50.000
7)	B delta-BHC	4.772	4.139	147.5E6	190.1E6	50.000	50.000
8)	B Heptachlo...	5.684	4.732	128.3E6	163.6E6	50.000	50.000
9)	A Endosulfan I	6.070	5.102	117.4E6	149.7E6	50.000	50.000
10)	B gamma-Chl...	5.941	4.982	124.6E6	164.7E6	50.000	50.000
11)	B alpha-Chl...	6.019	5.045	124.5E6	162.7E6	50.000	50.000
12)	B 4,4'-DDE	6.193	5.235	111.5E6	157.7E6	50.000	50.000
13)	MA Dieldrin	6.345	5.366	123.8E6	164.5E6	50.000	50.000
14)	MA Endrin	6.574	5.641	106.1E6	141.4E6	50.000	50.000
15)	B Endosulfa...	6.794	5.936	110.3E6	139.0E6	50.000	50.000
16)	A 4,4'-DDD	6.710	5.789	90898841	122.2E6	50.000	50.000
17)	MA 4,4'-DDT	7.023	6.040	97035972	131.9E6	50.000	50.000
18)	B Endrin al...	6.924	6.115	87908093	111.5E6	50.000	50.000
19)	B Endosulfa...	7.158	6.338	101.2E6	131.2E6	50.000	50.000
20)	A Methoxychlor	7.499	6.615	53913903	69696231	50.000	50.000
21)	B Endrin ke...	7.643	6.843	113.7E6	150.7E6	50.000	50.000
22)	Mirex	8.116	7.024	92300183	124.6E6	50.000	50.000

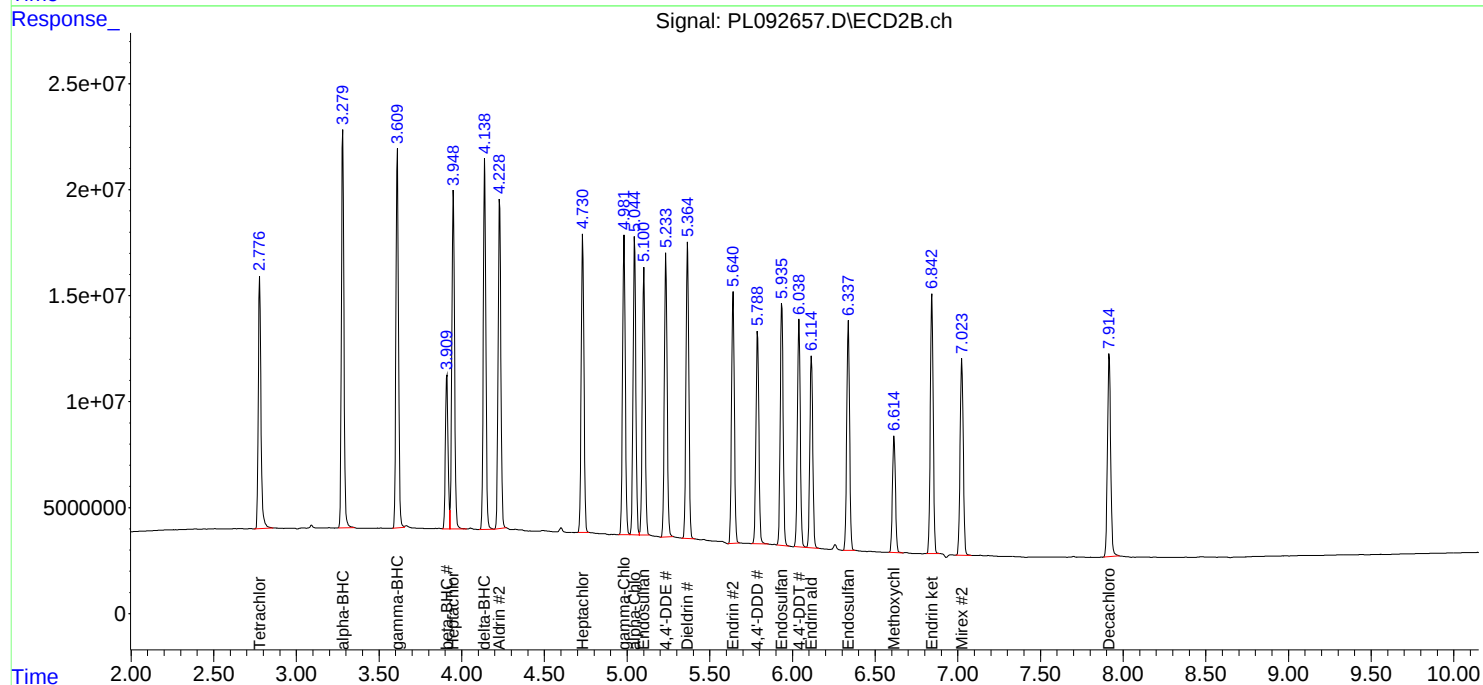
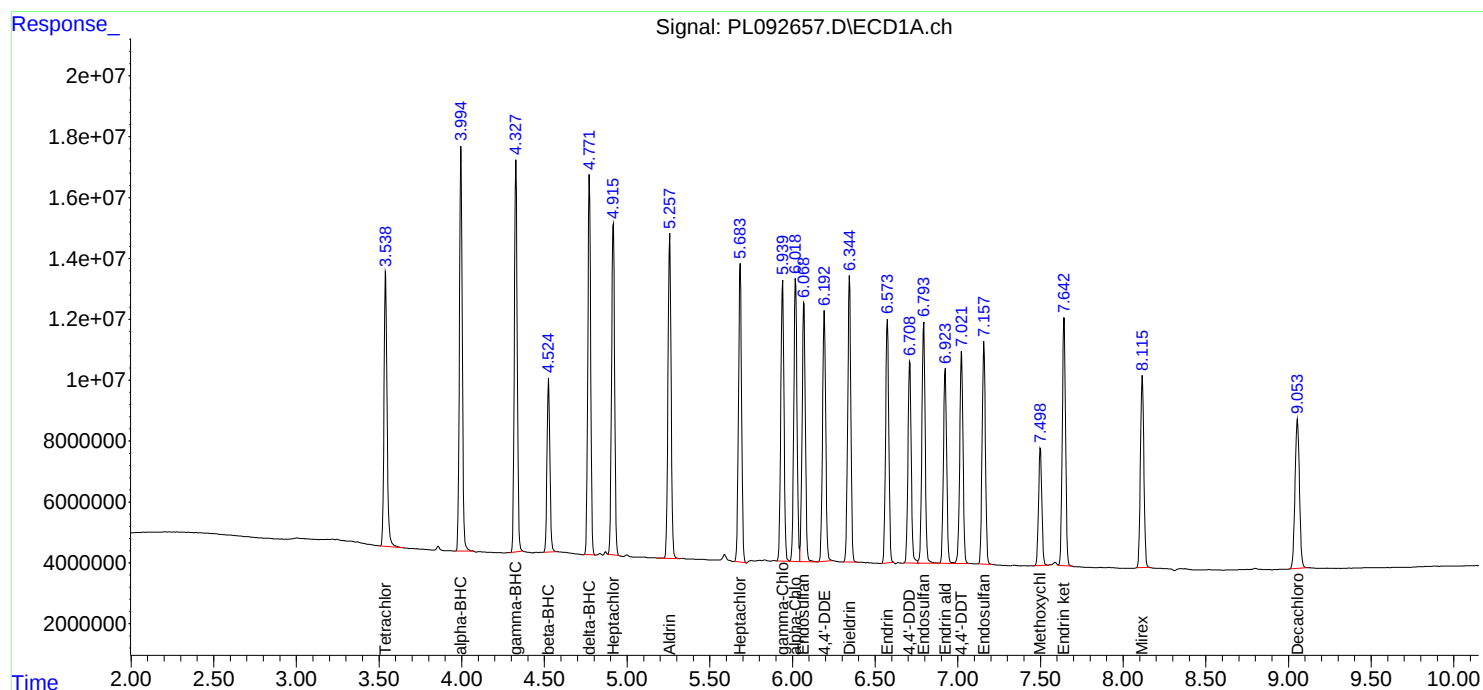
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:09
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 28 17:06:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:06:20 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
 Data File : PL092658.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 15:23
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 17:13:36 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 17:10:47 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	62808688	68210857	26.546	25.362
28) SA Decachlor...	9.054	7.916	49968947	69836578	27.328	26.400
Target Compounds						
2) A alpha-BHC	3.996	3.281	84927238	98362013	25.627	24.168
3) MA gamma-BHC...	4.328	3.611	81958950	95710712	25.784	24.415
4) MA Heptachlor	4.917	3.950	76599935	94477178	26.629	24.976
5) MB Aldrin	5.259	4.230	76180853	90483526	26.486	24.481
6) B beta-BHC	4.526	3.911	37295050	41549746	26.915	25.675
7) B delta-BHC	4.773	4.140	77991786	94555626	25.748	24.249
8) B Heptachlo...	5.685	4.732	70540111	83820686	27.012	25.117
9) A Endosulfan I	6.070	5.102	63654358	76808476	26.720	25.162
10) B gamma-Chl...	5.941	4.982	67586796	83550406	26.583	24.826
11) B alpha-Chl...	6.019	5.046	67542919	83232660	26.625	25.039
12) B 4,4'-DDE	6.193	5.235	60061765	80248978	26.363	24.834
13) MA Dieldrin	6.345	5.366	66985225	82586412	26.531	24.577
14) MA Endrin	6.574	5.642	58111422	71905340	26.841	24.898
15) B Endosulfa...	6.793	5.937	61248899	71530905	27.295	25.239
16) A 4,4'-DDD	6.710	5.790	49194300	62230288	26.599	24.759
17) MA 4,4'-DDT	7.023	6.040	52836397	66342279	26.630	24.568
18) B Endrin al...	6.923	6.116	48897872	58336435	27.376	25.694
19) B Endosulfa...	7.158	6.339	55996056	67808739	27.255	25.373
20) A Methoxychlor	7.499	6.615	29728906	36759011	27.282	26.022
21) B Endrin ke...	7.643	6.844	61777342	77430982	26.728	25.339
22) Mirex	8.116	7.025	51864163	67137696	27.785	26.612

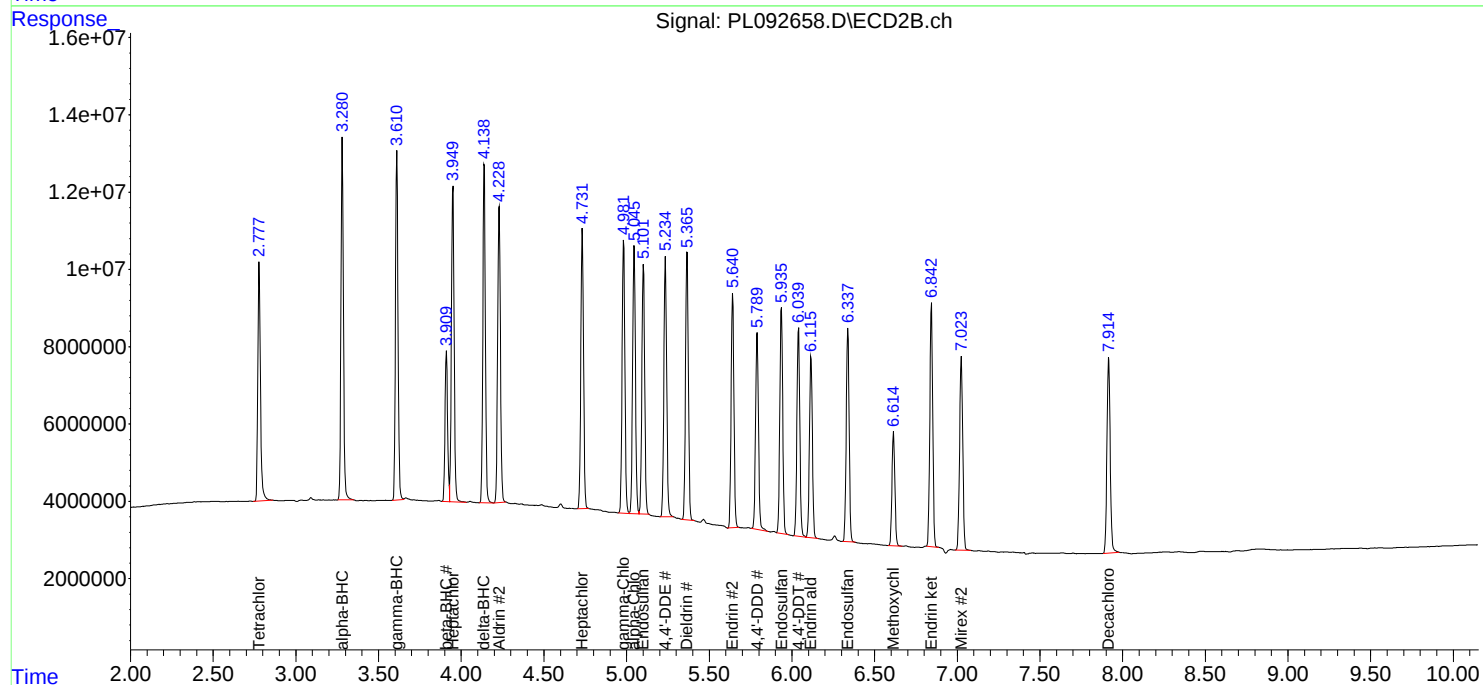
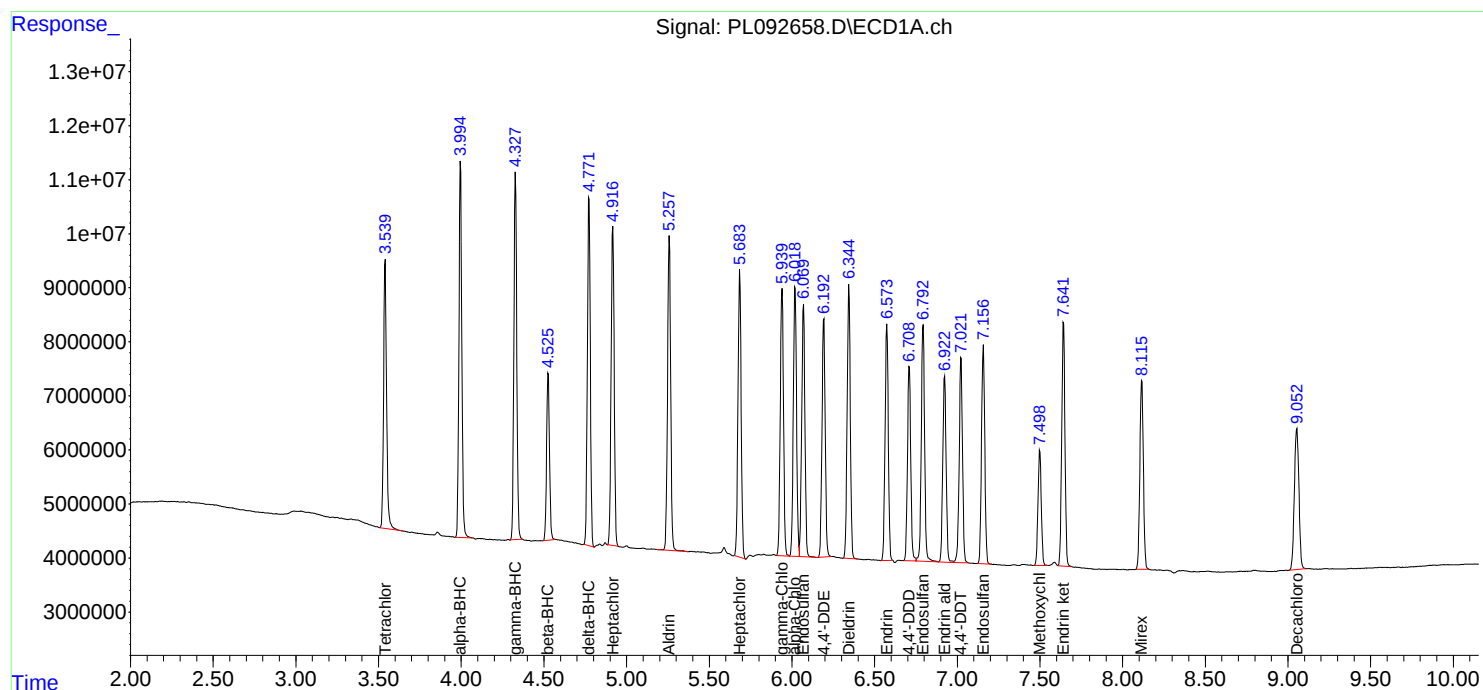
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092658.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:23
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:13:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
 Data File : PL092659.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 15:36
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/29/2024

Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 17:16:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 17:10:47 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	13934946	14239511	5.687	5.233
28) SA Decachlor...	9.053	7.915	11544004	15324471	5.998	5.615
Target Compounds						
2) A alpha-BHC	3.995	3.280	18509728	18354234	5.458	4.600
3) MA gamma-BHC...	4.328	3.611	17915176	18082634	5.496	4.685
4) MA Heptachlor	4.916	3.950	17547418	18693239	5.843	4.953
5) MB Aldrin	5.258	4.229	17512022	17582981	5.834	4.804
6) B beta-BHC	4.526	3.910	8423294	8790546	5.827	5.340
7) B delta-BHC	4.771	4.139	17664985	18090728	5.611m	4.707
8) B Heptachlo...	5.682	4.732	16806367	16790300	6.074m	5.025
9) A Endosulfan I	6.069	5.102	14888105	15277635	5.952	5.004
10) B gamma-Chl...	5.940	4.982	15665588	16732339	5.888	4.977
11) B alpha-Chl...	6.019	5.046	15466528	16668126	5.841	5.011
12) B 4,4'-DDE	6.192	5.235	13664798	15911321	5.768	4.939
13) MA Dieldrin	6.344	5.366	15390264	16300991	5.840	4.880
14) MA Endrin	6.573	5.641	13615222	14564290	5.980	5.034
15) B Endosulfa...	6.793	5.936	14715849	14149758	6.173	4.994
16) A 4,4'-DDD	6.709	5.789	10998106	11982712	5.730	4.812
17) MA 4,4'-DDT	7.023	6.039	12061270	13048754	5.827	4.865
18) B Endrin al...	6.923	6.115	11226054	12274278	5.978	5.320
19) B Endosulfa...	7.157	6.338	13167738	13973088	6.067	5.181
20) A Methoxychlor	7.499	6.614	6705797	7447941	5.882	5.216
21) B Endrin ke...	7.643	6.843	14342863	15604260	5.920	5.085
22) Mirex	8.116	7.024	12209643	14769955	6.161	5.661

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092659.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:36
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

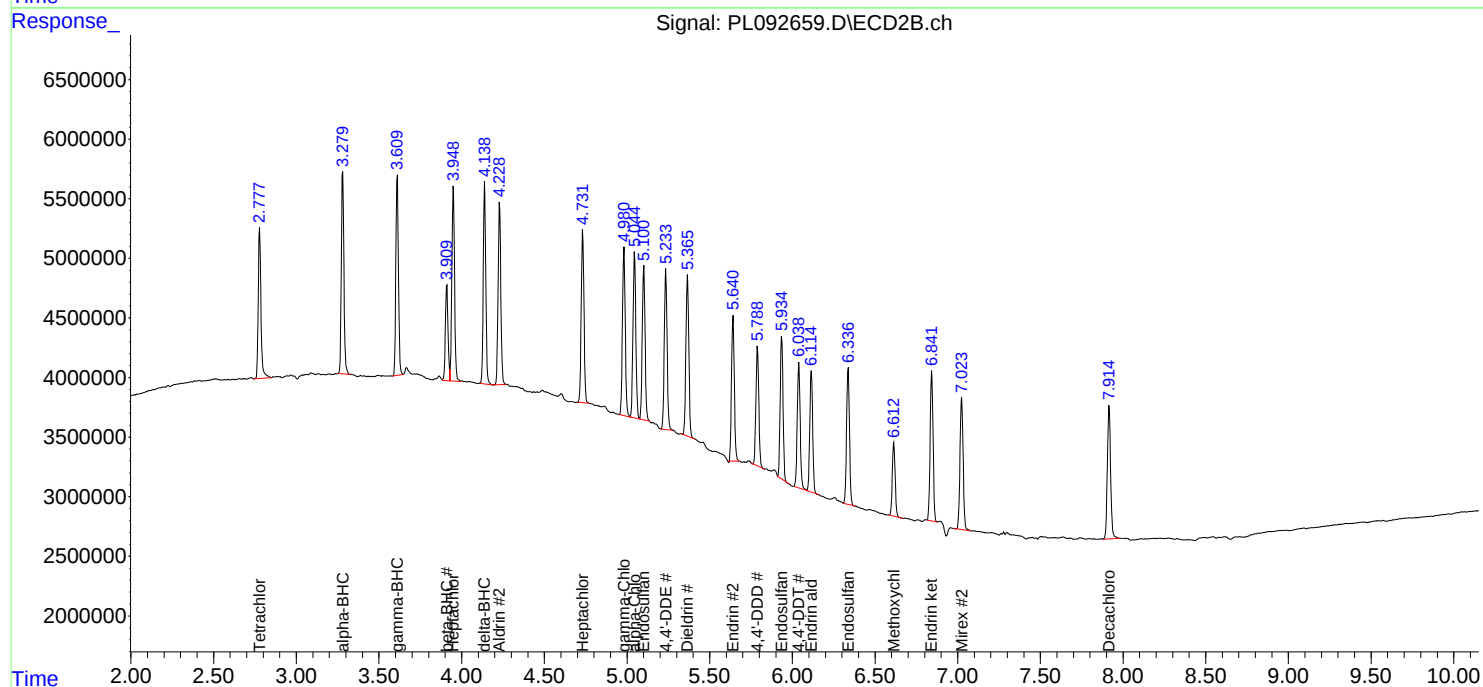
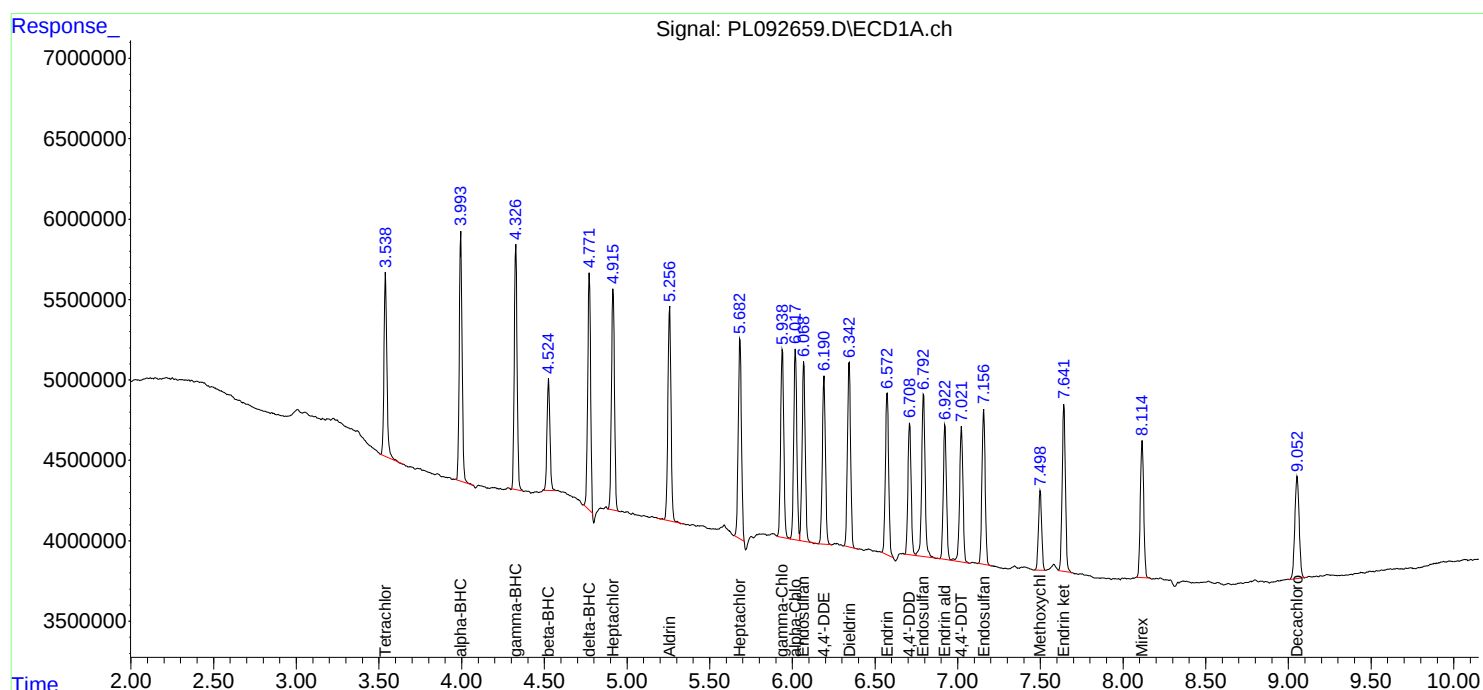
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:16:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
 Data File : PL092662.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 16:16
 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 28 16:53:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 16:53:34 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	2.777	115.3E6	161.4E6	50.000	50.000
28)	SA Decachlor...	9.055	7.916	90689456	133.2E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.702	3.776	53498186	52546046	500.000	500.000
24)	Chlordane-2	5.231	4.352	55198384	60320369	500.000	500.000
25)	Chlordane-3	5.941	4.982	186.2E6	180.5E6	500.000	500.000
26)	Chlordane-4	6.023	5.045	229.2E6	173.4E6	500.000	500.000
27)	Chlordane-5	6.872	5.941	46080525	62029874	500.000	500.000

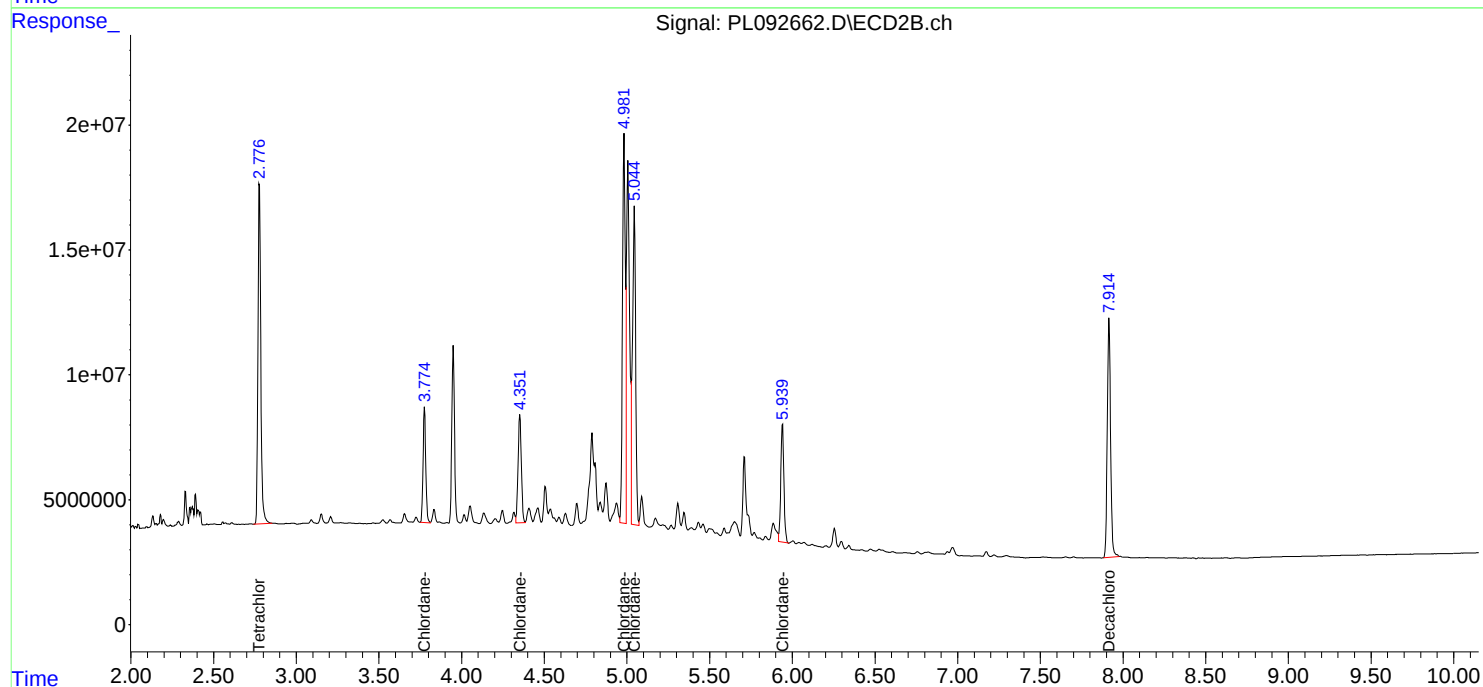
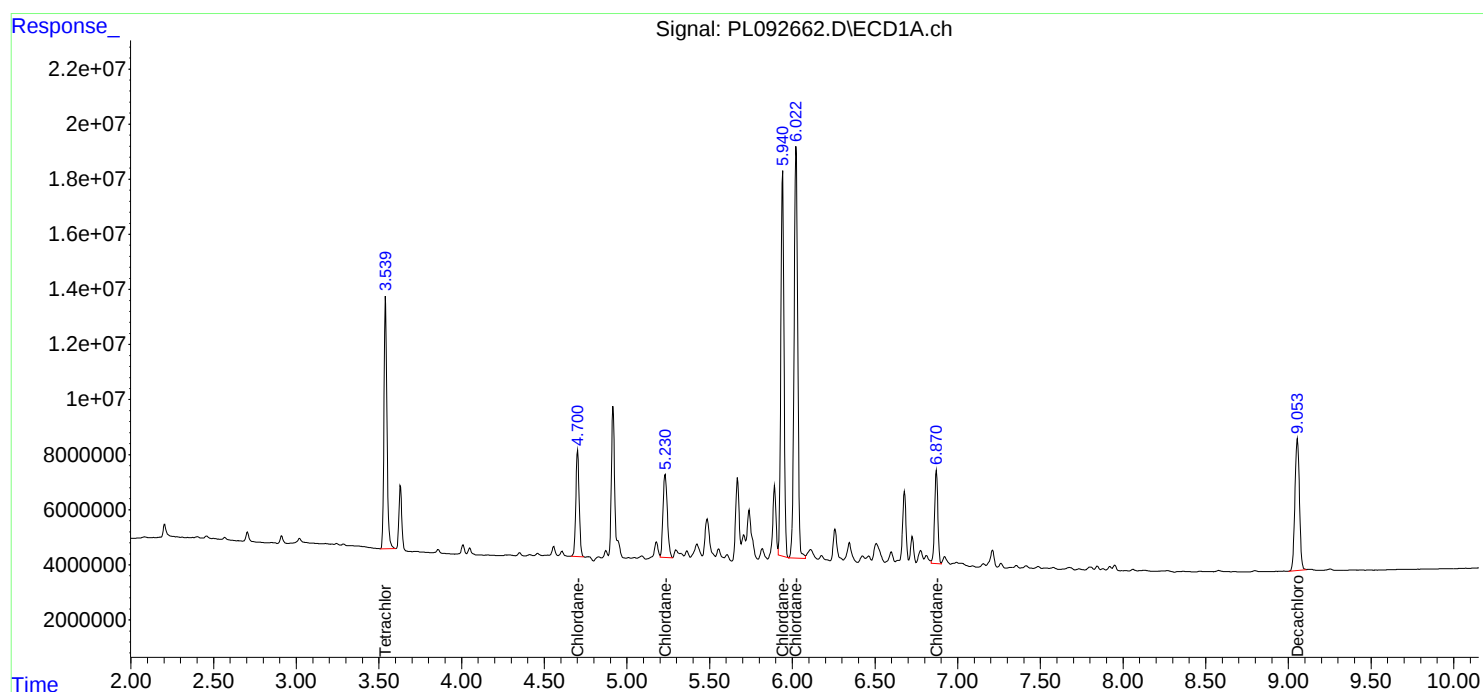
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 16:16
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 28 16:53:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 16:53:34 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
 Data File : PL092667.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 17:23
 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 28 17:35:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 17:35:39 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...	3.540	2.778	120.2E6	137.2E6	50.000	50.000
7) SA Decachlor...	9.054	7.916	94872630	139.2E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.237	5.007	11981208	9976373	500.000	500.000
3) Toxaphene-2	6.441	5.332	6911814	9874812	500.000	500.000
4) Toxaphene-3	7.058	6.605	39579915	35111261	500.000	500.000
5) Toxaphene-4	7.149	6.733	29901849	49168858	500.000	500.000
6) Toxaphene-5	7.934	7.045	22664593	32739853	500.000	500.000

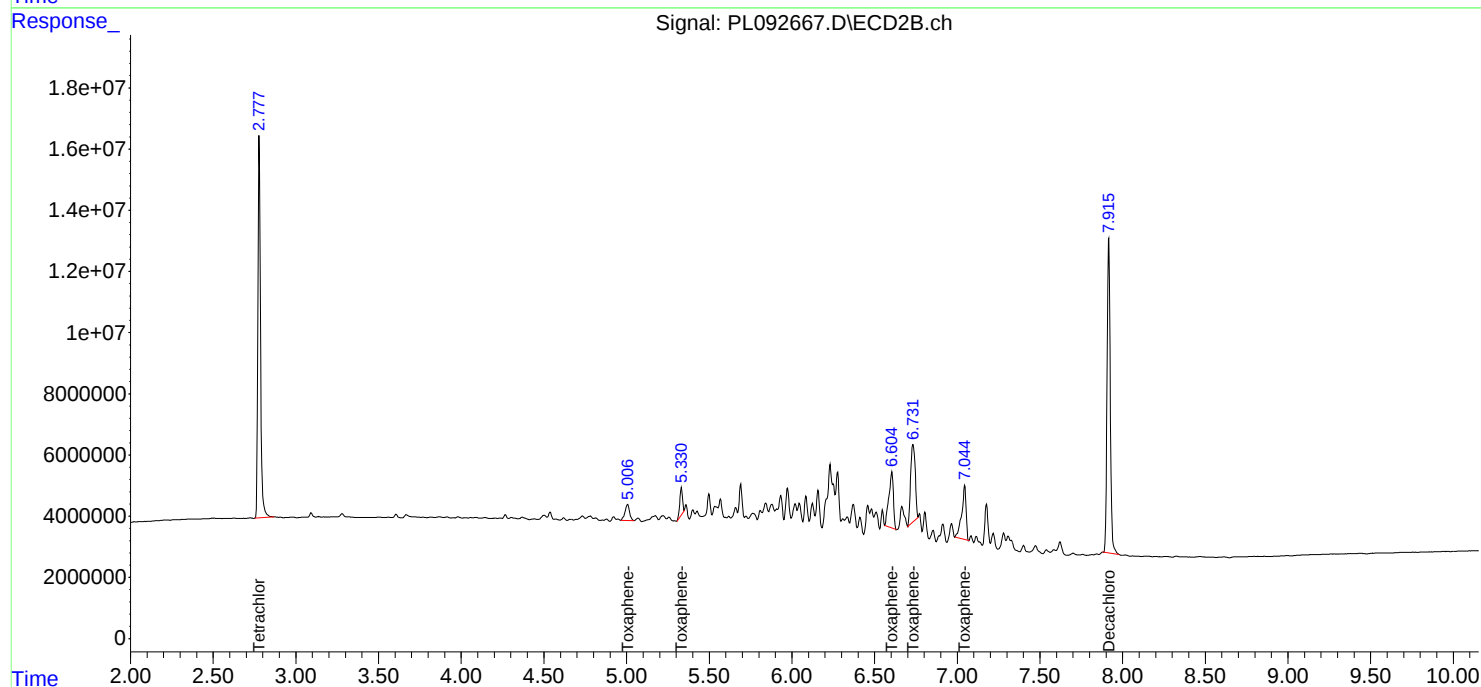
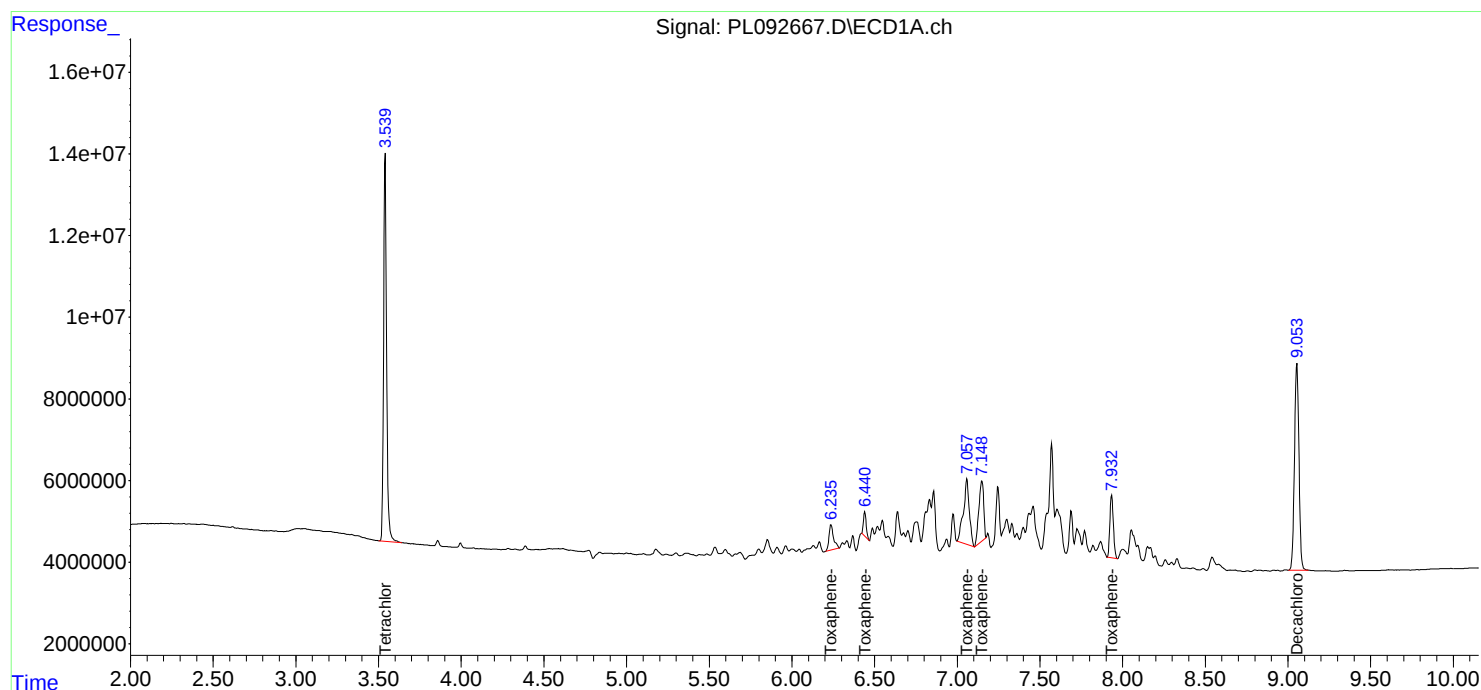
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092667.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 17:23
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 28 17:35:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:35:39 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 x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
 Data File : PL092670.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 18:03
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL102824

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 18:20:57 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 17:19:58 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	119.9E6	136.6E6	48.932	50.204
28)	SA Decachlor...	9.054	7.916	94182239	139.9E6	48.937	51.259
Target Compounds							
2)	A alpha-BHC	3.996	3.281	167.5E6	204.0E6	49.379	51.127
3)	MA gamma-BHC...	4.328	3.611	160.1E6	197.4E6	49.125	51.136
4)	MA Heptachlor	4.916	3.950	147.0E6	192.1E6	48.942	50.906
5)	MB Aldrin	5.258	4.230	145.8E6	187.4E6	48.580	51.194
6)	B beta-BHC	4.526	3.911	70600682	82244973	48.843	49.959
7)	B delta-BHC	4.773	4.140	153.4E6	196.7E6	49.025	51.190
8)	B Heptachlo...	5.684	4.732	133.1E6	169.7E6	48.213	50.772
9)	A Endosulfan I	6.069	5.102	121.8E6	154.2E6	48.702	50.518
10)	B gamma-Chl...	5.941	4.982	129.8E6	169.3E6	48.769	50.359
11)	B alpha-Chl...	6.019	5.046	129.4E6	167.6E6	48.847	50.380
12)	B 4,4'-DDE	6.193	5.235	116.5E6	164.4E6	49.166	51.019
13)	MA Dieldrin	6.345	5.366	129.0E6	171.0E6	48.947	51.185
14)	MA Endrin	6.575	5.642	110.2E6	147.7E6	48.393	51.063
15)	B Endosulfa...	6.794	5.937	115.4E6	145.0E6	48.417	51.175
16)	A 4,4'-DDD	6.710	5.790	95447383	127.7E6	49.724	51.292
17)	MA 4,4'-DDT	7.024	6.040	102.8E6	137.5E6	49.676	51.253
18)	B Endrin al...	6.924	6.116	91870810	116.2E6	48.920	50.348
19)	B Endosulfa...	7.159	6.339	106.0E6	136.5E6	48.859	50.601
20)	A Methoxychlor	7.500	6.615	57010538	73335025	50.009	51.354
21)	B Endrin ke...	7.644	6.844	118.9E6	157.6E6	49.074	51.358
22)	Mirex	8.117	7.025	96541027	131.1E6	48.716	50.260

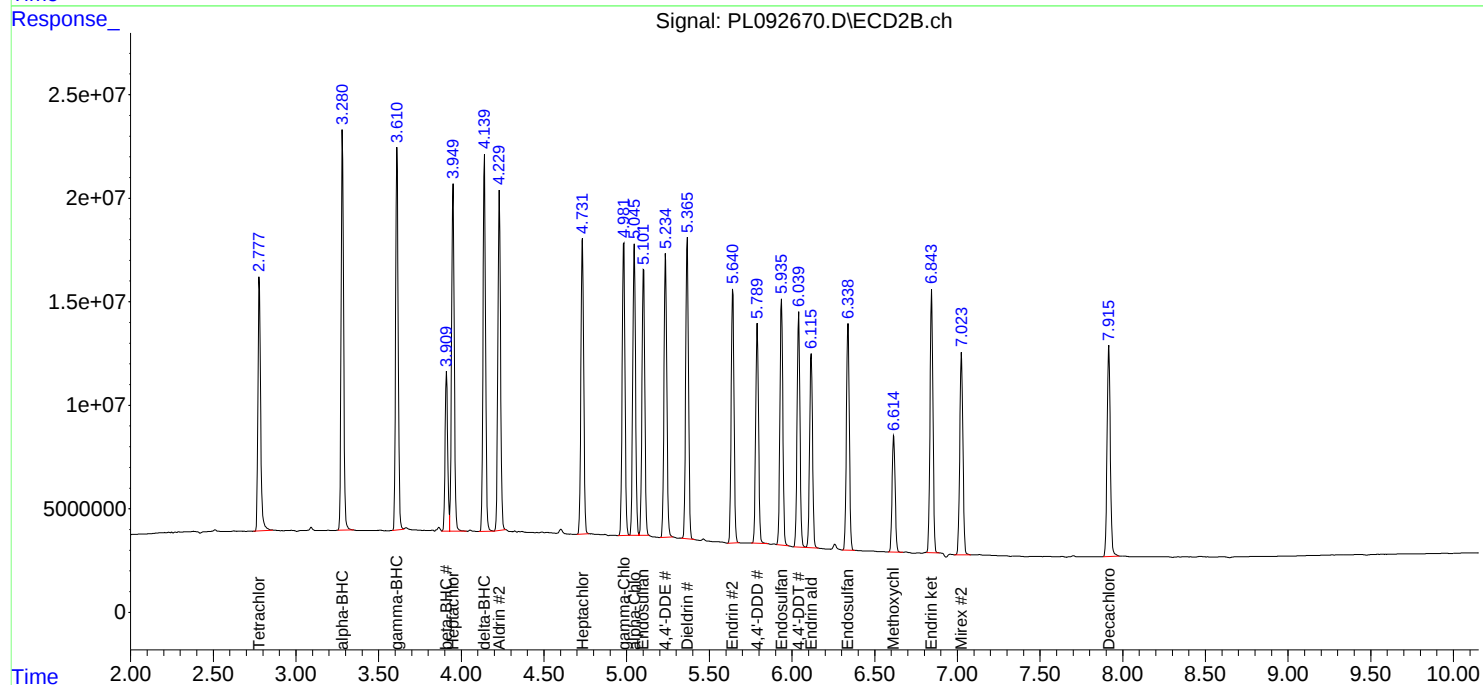
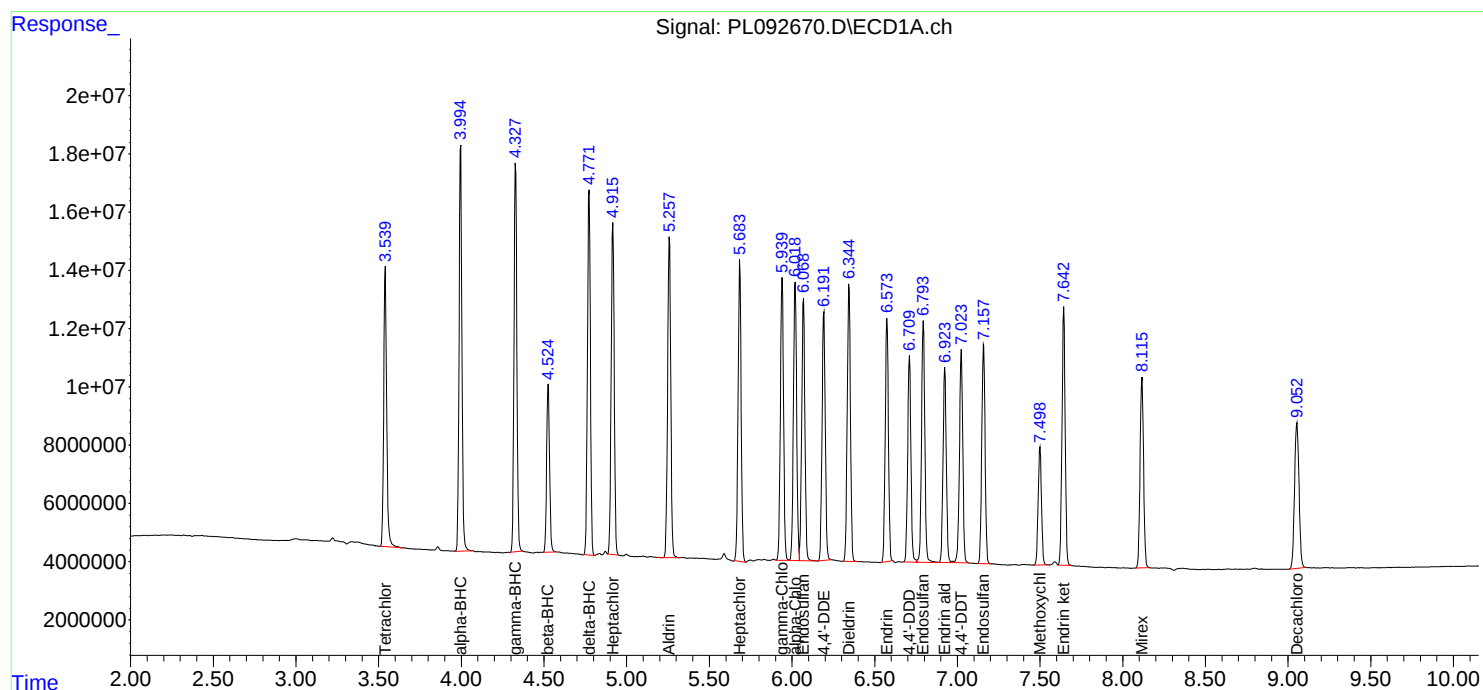
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092670.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:03
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL102824

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 18:20:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
 Data File : PL092671.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 18:30
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL102824CHLOR

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 18:55:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:55:22 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	2.777	116.2E6	162.6E6	48.370	49.862
28) SA Decachlor...	9.053	7.915	91212958	135.8E6	48.151	49.359
Target Compounds						
23) Chlordane-1	4.701	3.775	53586597	53029458	487.196	499.551
24) Chlordane-2	5.231	4.352	54950332	60704270	479.439	490.132
25) Chlordane-3	5.941	4.982	186.4E6	180.0E6	477.568	496.319
26) Chlordane-4	6.022	5.045	229.4E6	173.9E6	479.933	497.043
27) Chlordane-5	6.872	5.940	46544927	61748302	491.706	486.943

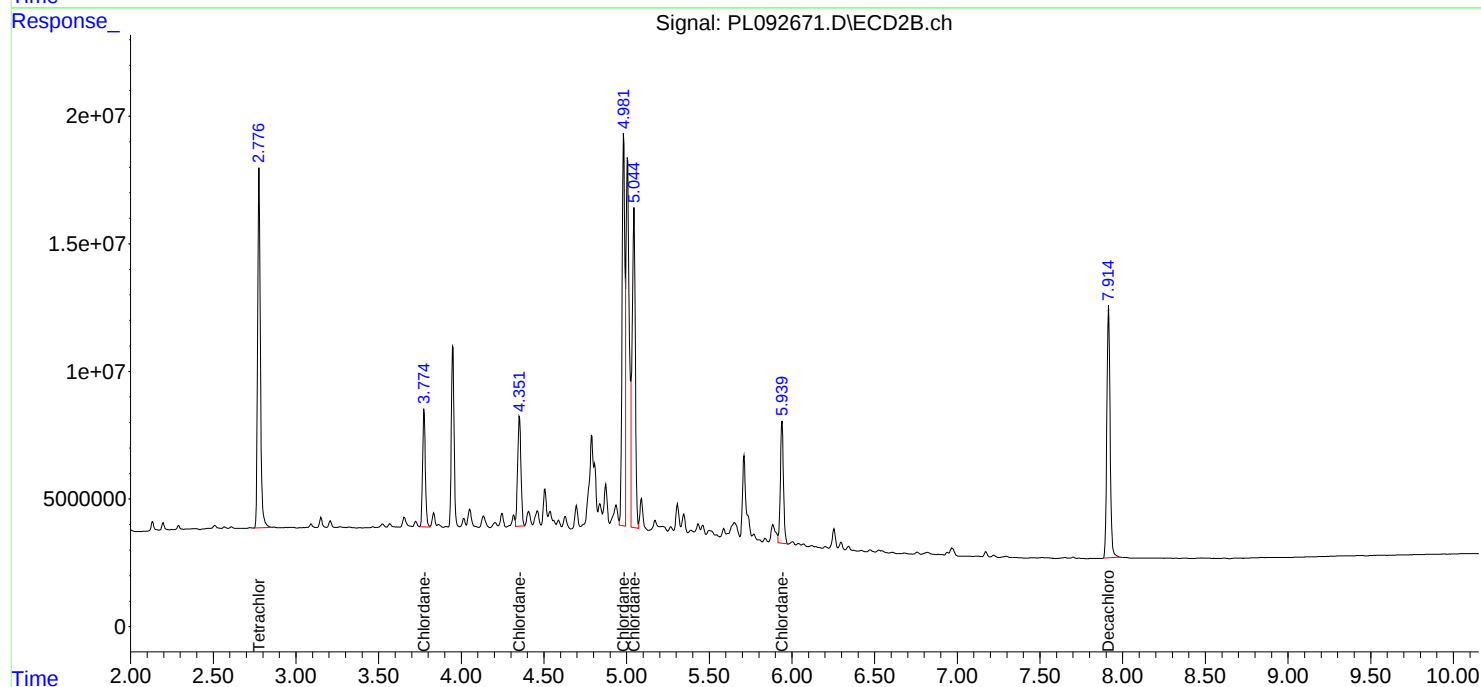
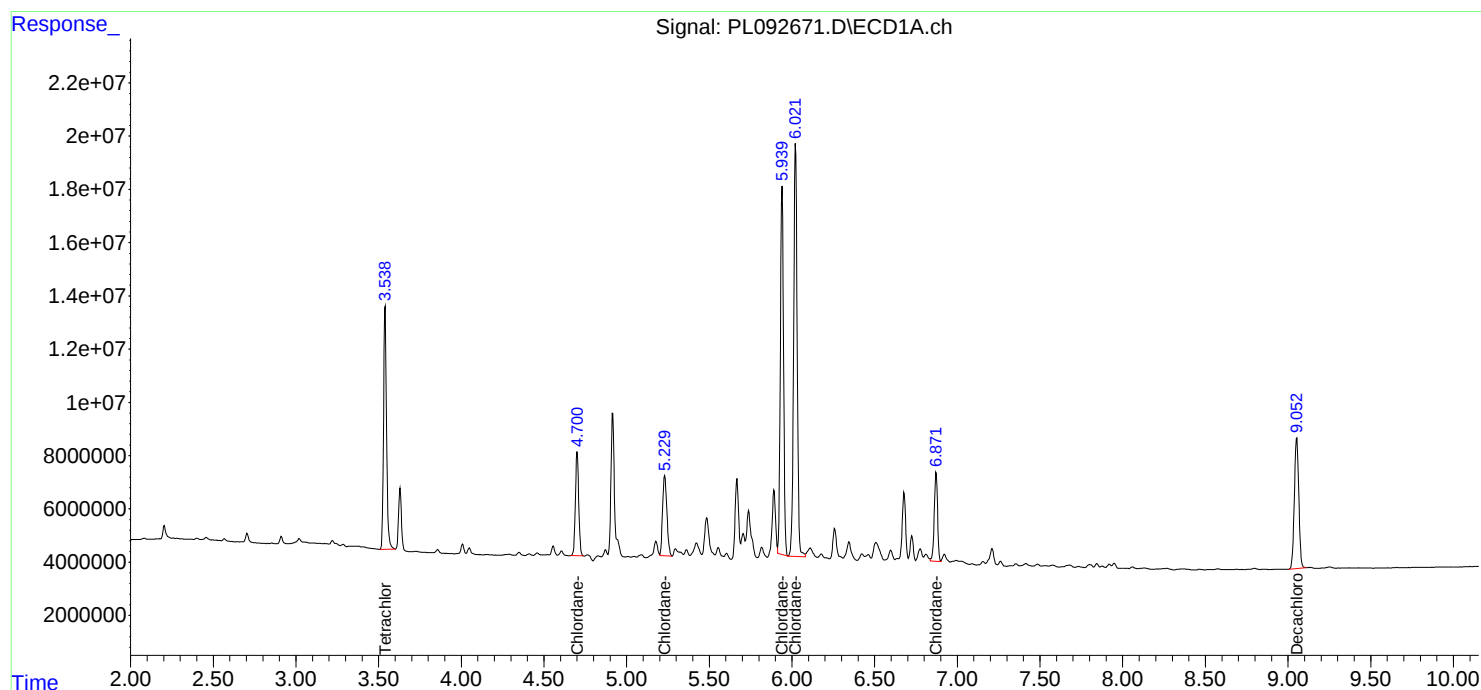
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092671.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:30
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL102824CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 18:55:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:55:22 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
 Data File : PL092672.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 18:57
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL102824TOX

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 19:11:19 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:04:49 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...	3.540	2.778	120.8E6	137.1E6	50.385	51.035
7) SA Decachlor...	9.053	7.916	95483844	139.1E6	50.356	50.519
Target Compounds						
2) Toxaphene-1	6.237	5.006	12257412	10058947	555.039	528.973
3) Toxaphene-2	6.441	5.331	6863785	9788249	506.186	497.458
4) Toxaphene-3	7.058	6.604	39909041	34565997	513.663	508.031
5) Toxaphene-4	7.149	6.732	29767251	48553437	501.141	526.978
6) Toxaphene-5	7.933	7.046	22590334	32781409	503.299	499.967

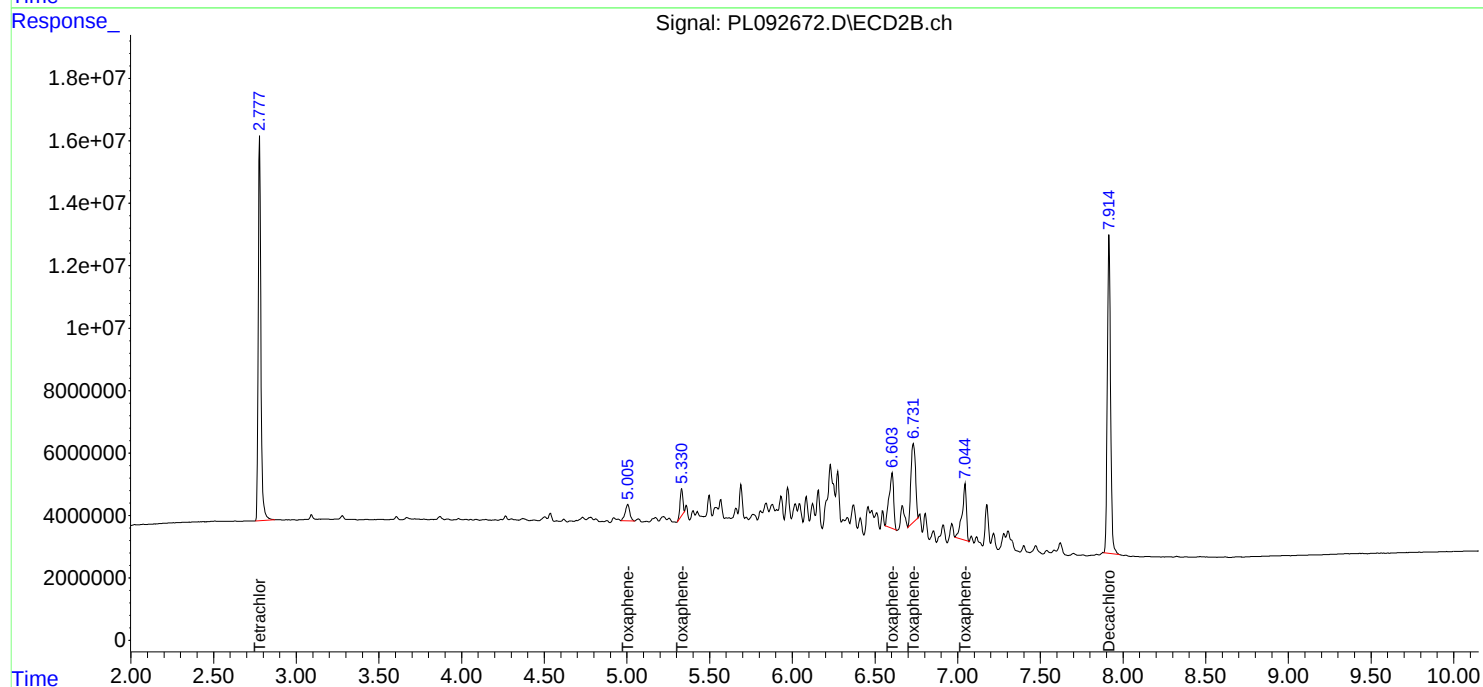
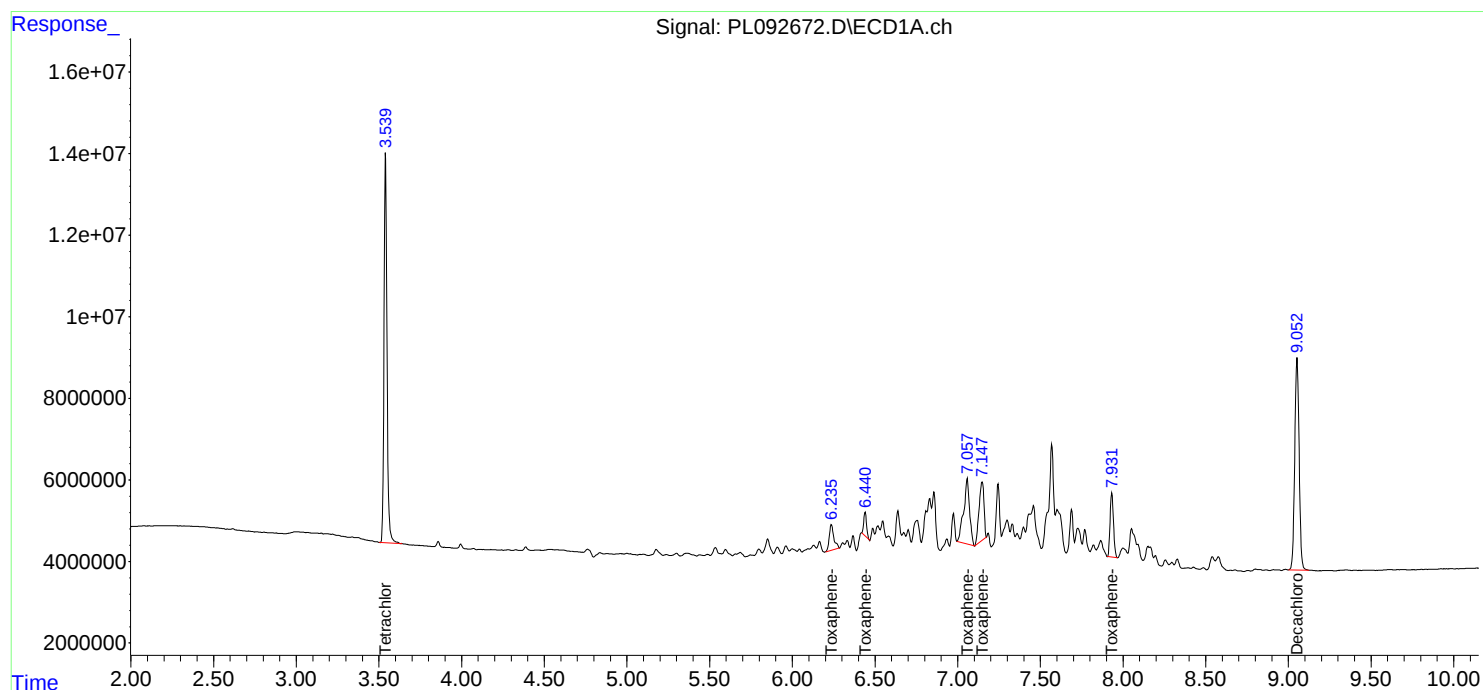
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092672.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:57
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL102824TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 19:11:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:04:49 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 x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm





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

CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

Continuing Calib Date: 11/13/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 09:06 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
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	0.00
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	-0.01
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	0.00
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



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

CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

Continuing Calib Date: 11/13/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 09:06 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM 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	5.24	5.14	5.34	0.00
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	0.01
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



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CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL01 Date Analyzed: 11/13/2024

Lab Sample No.: PSTDCCC050 Data File : PL093019.D Time Analyzed: 09:06

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.712	6.610	6.810	46.590	50.000	-6.8
4,4'-DDE	6.195	6.093	6.293	46.170	50.000	-7.7
4,4'-DDT	7.025	6.923	7.123	45.880	50.000	-8.2
Aldrin	5.260	5.158	5.358	46.340	50.000	-7.3
alpha-BHC	3.998	3.896	4.096	47.960	50.000	-4.1
alpha-Chlordane	6.022	5.919	6.119	45.810	50.000	-8.4
beta-BHC	4.528	4.425	4.625	47.740	50.000	-4.5
Decachlorobiphenyl	9.056	8.954	9.154	44.410	50.000	-11.2
delta-BHC	4.775	4.672	4.872	47.660	50.000	-4.7
Dieldrin	6.347	6.245	6.445	45.310	50.000	-9.4
Endosulfan I	6.072	5.970	6.170	45.430	50.000	-9.1
Endosulfan II	6.796	6.694	6.894	43.220	50.000	-13.6
Endosulfan sulfate	7.161	7.058	7.258	44.520	50.000	-11.0
Endrin	6.576	6.474	6.674	44.400	50.000	-11.2
Endrin aldehyde	6.927	6.824	7.024	45.060	50.000	-9.9
Endrin ketone	7.645	7.543	7.743	44.210	50.000	-11.6
gamma-BHC (Lindane)	4.331	4.228	4.428	47.750	50.000	-4.5
gamma-Chlordane	5.943	5.841	6.041	45.840	50.000	-8.3
Heptachlor	4.919	4.817	5.017	47.040	50.000	-5.9
Heptachlor epoxide	5.685	5.584	5.784	46.570	50.000	-6.9
Methoxychlor	7.501	7.399	7.599	45.940	50.000	-8.1
Tetrachloro-m-xylene	3.542	3.440	3.640	48.480	50.000	-3.0



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CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL01 Date Analyzed: 11/13/2024

Lab Sample No.: PSTDCCC050 Data File : PL093019.D Time Analyzed: 09:06

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.790	5.689	5.889	56.030	50.000	12.1
4,4'-DDE	5.235	5.135	5.335	55.160	50.000	10.3
4,4'-DDT	6.040	5.940	6.140	53.440	50.000	6.9
Aldrin	4.230	4.129	4.329	54.550	50.000	9.1
alpha-BHC	3.281	3.181	3.381	53.950	50.000	7.9
alpha-Chlordane	5.046	4.945	5.145	53.820	50.000	7.6
beta-BHC	3.911	3.810	4.010	53.600	50.000	7.2
Decachlorobiphenyl	7.916	7.816	8.016	47.790	50.000	-4.4
delta-BHC	4.140	4.039	4.239	54.990	50.000	10.0
Dieldrin	5.366	5.266	5.466	54.290	50.000	8.6
Endosulfan I	5.102	5.002	5.202	46.890	50.000	-6.2
Endosulfan II	5.936	5.836	6.036	53.540	50.000	7.1
Endosulfan sulfate	6.339	6.238	6.438	52.300	50.000	4.6
Endrin	5.642	5.541	5.741	54.810	50.000	9.6
Endrin aldehyde	6.116	6.015	6.215	51.910	50.000	3.8
Endrin ketone	6.844	6.743	6.943	50.710	50.000	1.4
gamma-BHC (Lindane)	3.611	3.511	3.711	54.010	50.000	8.0
gamma-Chlordane	4.982	4.882	5.082	54.110	50.000	8.2
Heptachlor	3.950	3.849	4.049	54.150	50.000	8.3
Heptachlor epoxide	4.732	4.632	4.832	53.790	50.000	7.6
Methoxychlor	6.615	6.515	6.715	52.250	50.000	4.5
Tetrachloro-m-xylene	2.779	2.678	2.878	52.110	50.000	4.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111324\
 Data File : PL093019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 09:06
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 12:15:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 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	2.779	118.8E6	141.8E6	48.476	52.114
28)	SA Decachlor...	9.056	7.916	85475342	130.4E6	44.413	47.791
Target Compounds							
2)	A alpha-BHC	3.998	3.281	162.7E6	215.3E6	47.960	53.953
3)	MA gamma-BHC...	4.331	3.611	155.6E6	208.5E6	47.746	54.012
4)	MA Heptachlor	4.919	3.950	141.3E6	204.3E6	47.039	54.146
5)	MB Aldrin	5.260	4.230	139.1E6	199.7E6	46.337	54.550
6)	B beta-BHC	4.528	3.911	69001654	88241167	47.737	53.601
7)	B delta-BHC	4.775	4.140	149.2E6	211.3E6	47.661	54.987
8)	B Heptachlo...	5.685	4.732	128.6E6	179.7E6	46.569m	53.787
9)	A Endosulfan I	6.072	5.102	113.6E6	143.2E6	45.434	46.893
10)	B gamma-Chl...	5.943	4.982	122.0E6	181.9E6	45.843	54.109
11)	B alpha-Chl...	6.022	5.046	121.3E6	179.0E6	45.805	53.823
12)	B 4,4'-DDE	6.195	5.235	109.4E6	177.7E6	46.166	55.160
13)	MA Dieldrin	6.347	5.366	119.4E6	181.3E6	45.306	54.289
14)	MA Endrin	6.576	5.642	101.1E6	158.6E6	44.398	54.805
15)	B Endosulfa...	6.796	5.936	103.0E6	151.7E6	43.221	53.540
16)	A 4,4'-DDD	6.712	5.790	89436921	139.5E6	46.593	56.030
17)	MA 4,4'-DDT	7.025	6.040	94953193	143.3E6	45.877	53.443
18)	B Endrin al...	6.927	6.116	84612754	119.8E6	45.055	51.912
19)	B Endosulfa...	7.161	6.339	96625898	141.0E6	44.521	52.295
20)	A Methoxychlor	7.501	6.615	52368395	74616907	45.937	52.252
21)	B Endrin ke...	7.645	6.844	107.1E6	155.6E6	44.214	50.713
22)	Mirex	8.118	7.025	86871109	129.1E6	43.837	49.471

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111324\
Data File : PL093019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 09:06
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

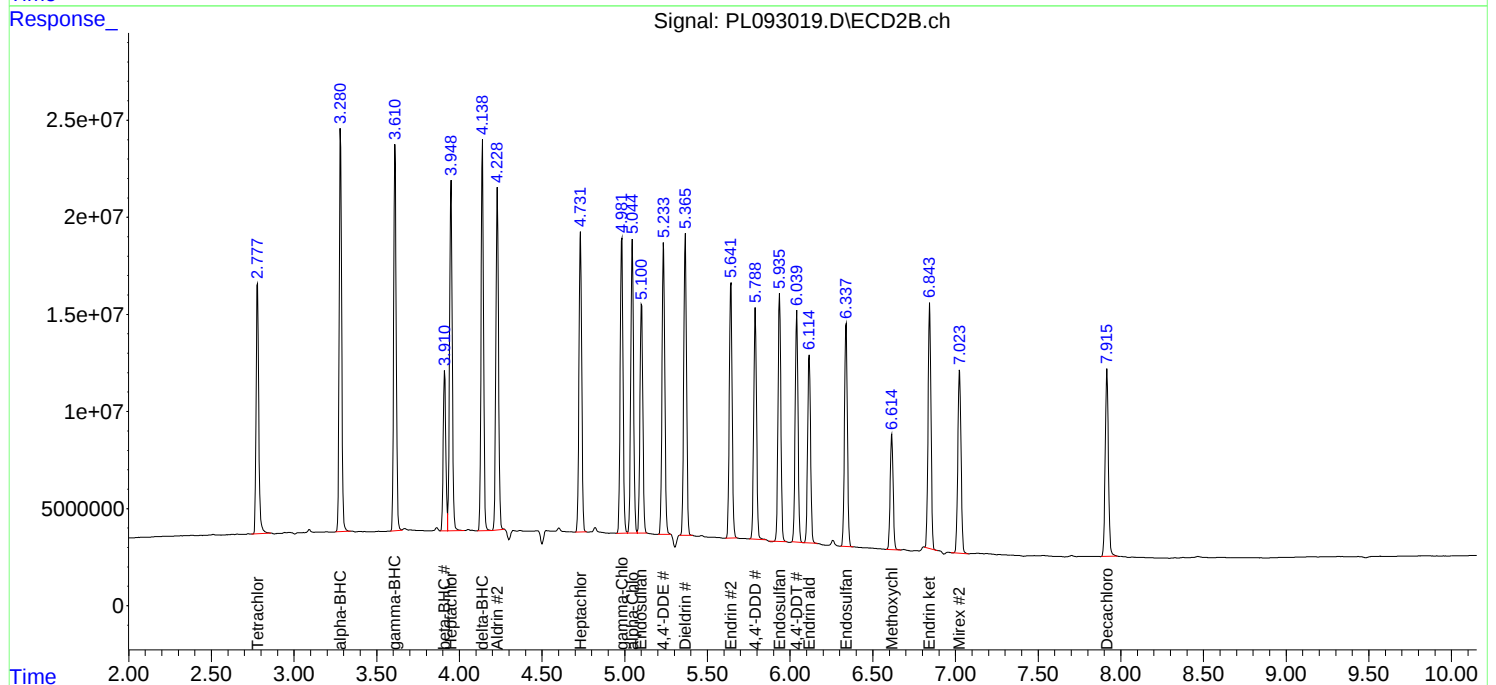
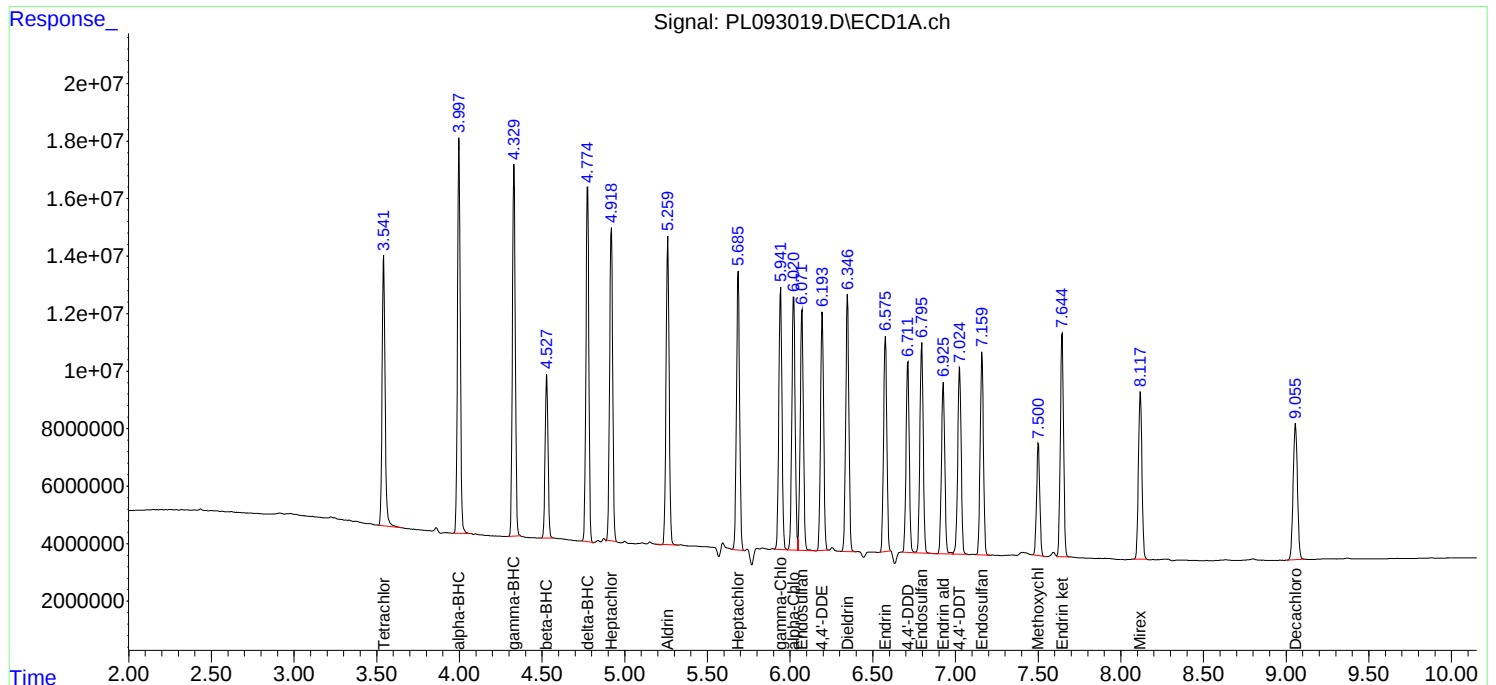
APPROVED

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 12:15:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 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





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

CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

Continuing Calib Date: 11/13/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 15:59 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	4.00	3.90	4.10	0.01
beta-BHC	4.52	4.53	4.43	4.63	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	0.01
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	6.34	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
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	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

Continuing Calib Date: 11/13/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 15:59 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.91	7.92	7.82	8.02	0.01
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	5.36	5.37	5.27	5.47	0.01
4,4'-DDE	5.23	5.24	5.14	5.34	0.01
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.93	5.94	5.84	6.04	0.01
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	6.61	6.62	6.52	6.72	0.01
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.12	6.02	6.22	0.01
alpha-Chlordane	5.04	5.05	4.95	5.15	0.01
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL02 Date Analyzed: 11/13/2024

Lab Sample No.: PSTDCCC050 Data File : PL093039.D Time Analyzed: 15:59

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.708	6.610	6.810	48.710	50.000	-2.6
4,4'-DDE	6.191	6.093	6.293	47.130	50.000	-5.7
4,4'-DDT	7.023	6.923	7.123	43.940	50.000	-12.1
Aldrin	5.257	5.158	5.358	46.740	50.000	-6.5
alpha-BHC	3.994	3.896	4.096	48.840	50.000	-2.3
alpha-Chlordane	6.018	5.919	6.119	46.030	50.000	-7.9
beta-BHC	4.524	4.425	4.625	48.290	50.000	-3.4
Decachlorobiphenyl	9.052	8.954	9.154	44.920	50.000	-10.2
delta-BHC	4.772	4.672	4.872	48.250	50.000	-3.5
Dieldrin	6.343	6.245	6.445	45.840	50.000	-8.3
Endosulfan I	6.068	5.970	6.170	45.860	50.000	-8.3
Endosulfan II	6.793	6.694	6.894	44.940	50.000	-10.1
Endosulfan sulfate	7.157	7.058	7.258	45.200	50.000	-9.6
Endrin	6.574	6.474	6.674	43.880	50.000	-12.2
Endrin aldehyde	6.923	6.824	7.024	45.670	50.000	-8.7
Endrin ketone	7.642	7.543	7.743	45.510	50.000	-9.0
gamma-BHC (Lindane)	4.326	4.228	4.428	48.610	50.000	-2.8
gamma-Chlordane	5.939	5.841	6.041	46.060	50.000	-7.9
Heptachlor	4.915	4.817	5.017	46.490	50.000	-7.0
Heptachlor epoxide	5.682	5.584	5.784	47.320	50.000	-5.4
Methoxychlor	7.498	7.399	7.599	44.300	50.000	-11.4
Tetrachloro-m-xylene	3.538	3.440	3.640	49.310	50.000	-1.4



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

CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL02 Date Analyzed: 11/13/2024

Lab Sample No.: PSTDCCC050 Data File : PL093039.D Time Analyzed: 15:59

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.787	5.689	5.889	55.650	50.000	11.3
4,4'-DDE	5.232	5.135	5.335	54.000	50.000	8.0
4,4'-DDT	6.037	5.940	6.140	48.980	50.000	-2.0
Aldrin	4.227	4.129	4.329	53.380	50.000	6.8
alpha-BHC	3.278	3.181	3.381	53.270	50.000	6.5
alpha-Chlordane	5.043	4.945	5.145	52.380	50.000	4.8
beta-BHC	3.908	3.810	4.010	52.980	50.000	6.0
Decachlorobiphenyl	7.913	7.816	8.016	47.140	50.000	-5.7
delta-BHC	4.137	4.039	4.239	55.100	50.000	10.2
Dieldrin	5.364	5.266	5.466	52.500	50.000	5.0
Endosulfan I	5.099	5.002	5.202	46.180	50.000	-7.6
Endosulfan II	5.932	5.836	6.036	52.970	50.000	5.9
Endosulfan sulfate	6.336	6.238	6.438	52.350	50.000	4.7
Endrin	5.638	5.541	5.741	51.820	50.000	3.6
Endrin aldehyde	6.113	6.015	6.215	50.890	50.000	1.8
Endrin ketone	6.840	6.743	6.943	52.320	50.000	4.6
gamma-BHC (Lindane)	3.608	3.511	3.711	52.820	50.000	5.6
gamma-Chlordane	4.980	4.882	5.082	52.630	50.000	5.3
Heptachlor	3.947	3.849	4.049	51.830	50.000	3.7
Heptachlor epoxide	4.728	4.632	4.832	52.680	50.000	5.4
Methoxychlor	6.612	6.515	6.715	49.140	50.000	-1.7
Tetrachloro-m-xylene	2.775	2.678	2.878	51.640	50.000	3.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111324\
 Data File : PL093039.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 15:59
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 14 00:34:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 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	2.775	120.8E6	140.5E6	49.312	51.639
28)	SA Decachlor...	9.052	7.913	86459587	128.7E6	44.925	47.141
Target Compounds							
2)	A alpha-BHC	3.994	3.278	165.7E6	212.5E6	48.844	53.266
3)	MA gamma-BHC...	4.326	3.608	158.4E6	203.9E6	48.610	52.820
4)	MA Heptachlor	4.915	3.947	139.6E6	195.6E6	46.493	51.827
5)	MB Aldrin	5.257	4.227	140.3E6	195.4E6	46.742	53.377
6)	B beta-BHC	4.524	3.908	69805840	87210585	48.293	52.975
7)	B delta-BHC	4.772	4.137	151.0E6	211.8E6	48.254	55.104
8)	B Heptachlo...	5.682	4.728	130.7E6	176.0E6	47.319m	52.679m
9)	A Endosulfan I	6.068	5.099	114.7E6	141.0E6	45.862	46.183
10)	B gamma-Chl...	5.939	4.980	122.6E6	176.9E6	46.062	52.630
11)	B alpha-Chl...	6.018	5.043	121.9E6	174.2E6	46.033	52.379
12)	B 4,4'-DDE	6.191	5.232	111.7E6	174.0E6	47.131	53.999
13)	MA Dieldrin	6.343	5.364	120.8E6	175.4E6	45.844	52.496
14)	MA Endrin	6.574	5.638	99897113	149.9E6	43.879	51.821
15)	B Endosulfa...	6.793	5.932	107.1E6	150.1E6	44.935	52.967m
16)	A 4,4'-DDD	6.708	5.787	93509204	138.6E6	48.715	55.649
17)	MA 4,4'-DDT	7.023	6.037	90938696	131.4E6	43.937	48.985
18)	B Endrin al...	6.923	6.113	85764582	117.4E6	45.669	50.888
19)	B Endosulfa...	7.157	6.336	98107285	141.2E6	45.204	52.347
20)	A Methoxychlor	7.498	6.612	50499468	70169643	44.298	49.137
21)	B Endrin ke...	7.642	6.840	110.3E6	160.6E6	45.508	52.318m
22)	Mirex	8.115	7.020	86015796	123.4E6	43.405	47.300m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111324\
Data File : PL093039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 15:59
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

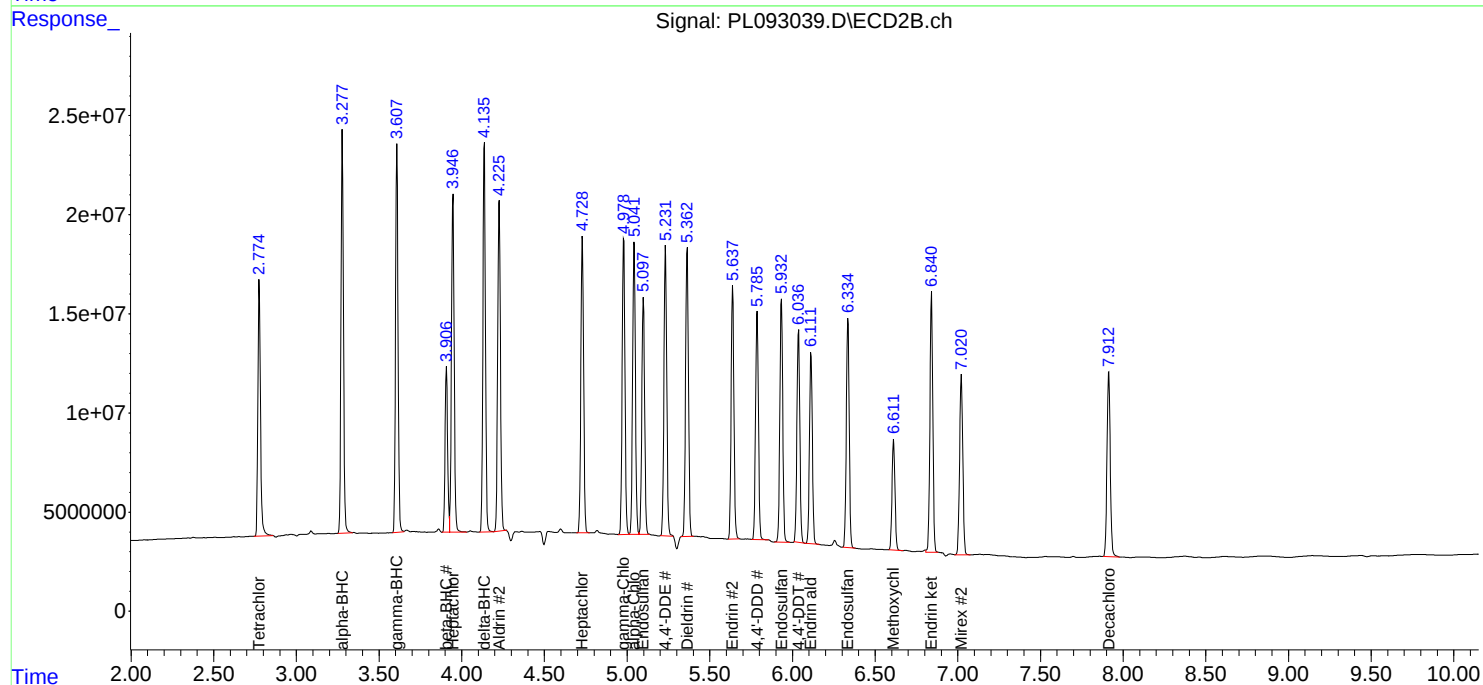
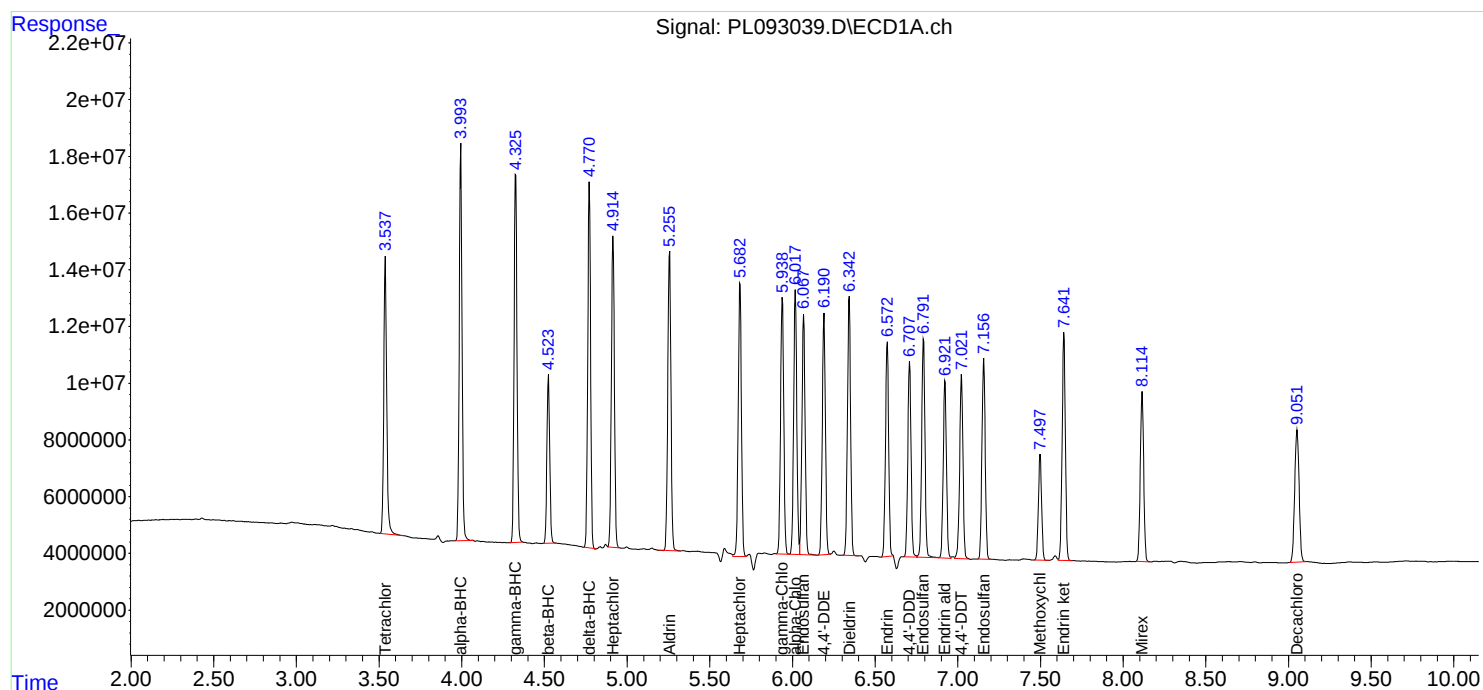
Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 14 00:34:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 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



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D Date Analyzed: 10/28/2024

Lab Sample No.(PEM): PEM Time Analyzed: 14:16

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.059	8.960	9.160	19.970	20.000	-0.2
Tetrachloro-m-xylene	3.546	3.500	3.600	19.290	20.000	-3.6
alpha-BHC	4.001	3.950	4.050	9.920	10.000	-0.8
beta-BHC	4.531	4.480	4.580	10.060	10.000	0.6
gamma-BHC (Lindane)	4.334	4.280	4.380	9.660	10.000	-3.4
Endrin	6.580	6.510	6.650	41.060	50.000	-17.9
4,4'-DDT	7.030	6.960	7.100	88.060	100.000	-11.9
Methoxychlor	7.505	7.430	7.580	204.090	250.000	-18.4

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D Date Analyzed: 10/28/2024

Lab Sample No.(PEM): PEM Time Analyzed: 14:16

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.918	7.820	8.020	19.080	20.000	-4.6
Tetrachloro-m-xylene	2.778	2.730	2.830	18.500	20.000	-7.5
alpha-BHC	3.281	3.230	3.330	8.630	10.000	-13.7
beta-BHC	3.911	3.860	3.960	9.760	10.000	-2.4
gamma-BHC (Lindane)	3.611	3.560	3.660	8.390	10.000	-16.1
Endrin	5.643	5.570	5.710	44.130	50.000	-11.7
4,4'-DDT	6.042	5.970	6.110	98.070	100.000	-1.9
Methoxychlor	6.616	6.550	6.690	225.800	250.000	-9.7

PEM
Data File: PL092653.D Date Acquired 10/28/2024 14:16
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.58	93472858.4	100627495.1	7154636.74	7.11
Endrin aldehyde	6.93	2255618.869			
Endrin ketone	7.65	4899017.868			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	127670048.1	136276212.4	8606164.28	6.32
Endrin aldehyde #2	6.12	3697589.438			
Endrin ketone #2	6.84	4908574.846			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	182263263.3	183689930.4	1426667.08	0.78
4,4'-DDE	0.00	0			
4,4'-DDD	6.72	1426667.076			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.04	263061944.1	264286032.2	1224088.02	0.46
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.79	1224088.016			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
 Data File : PL092653.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 14:16
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/29/2024
 Supervised By : Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 17:21:12 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 17:19:58 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...	3.546	2.778	47253047	50346316	19.285	18.502
28)	SA Decachlor...	9.059	7.918	38436874	52072459	19.972	19.079
Target Compounds							
2)	A alpha-BHC	4.001	3.281	33636067	34444224	9.918	8.632
3)	MA gamma-BHC...	4.334	3.611	31492360	32364466	9.662	8.386
6)	B beta-BHC	4.531	3.911	14540729	16063325	10.060	9.758
14)	MA Endrin	6.580	5.643	93472858	127.7E6	41.057	44.131
16)	A 4,4'-DDD	6.718	5.791	1426667	1224088	0.743m	0.492m#
17)	MA 4,4'-DDT	7.030	6.042	182.3E6	263.1E6	88.060	98.075
18)	B Endrin al...	6.930	6.117	2255619	3697589	1.201	1.603 #
20)	A Methoxychlor	7.505	6.616	232.7E6	322.5E6	204.088	225.801
21)	B Endrin ke...	7.648	6.845	4899018	4908575	2.022	1.600

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092653.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:16
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

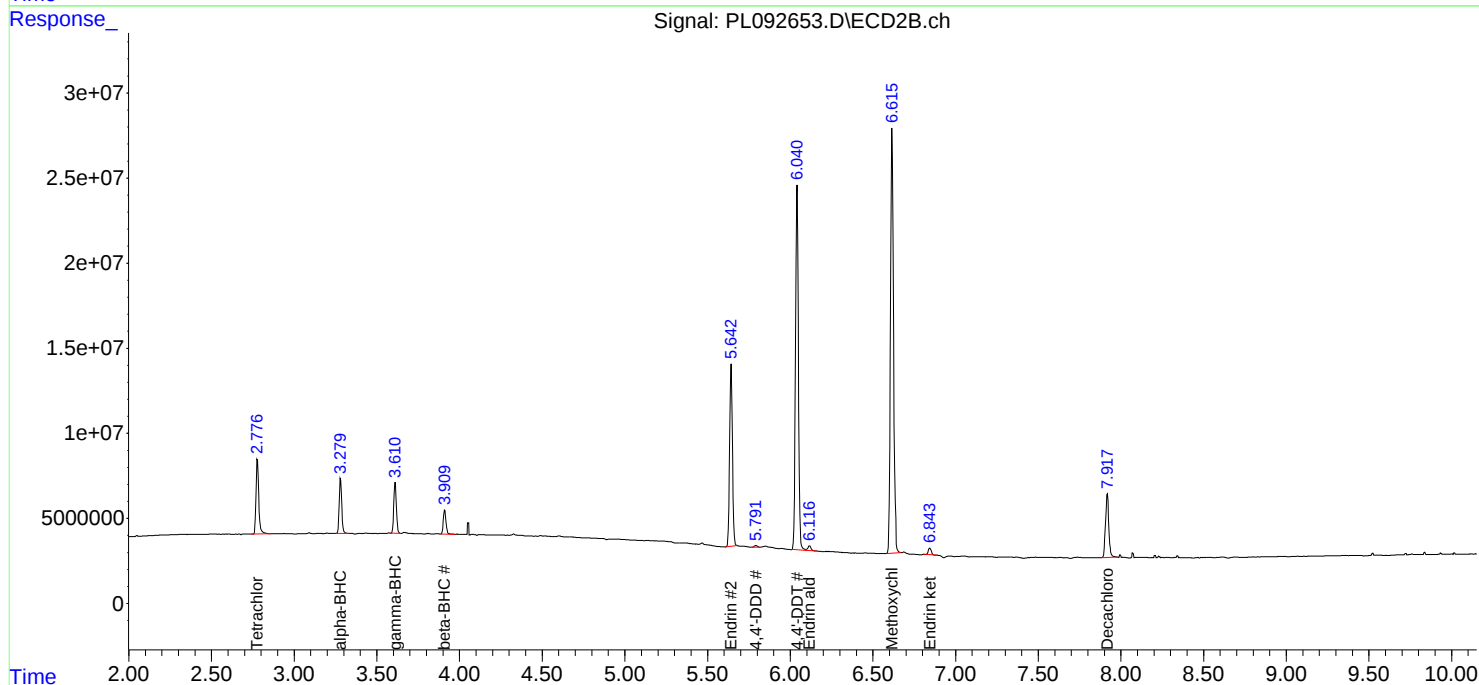
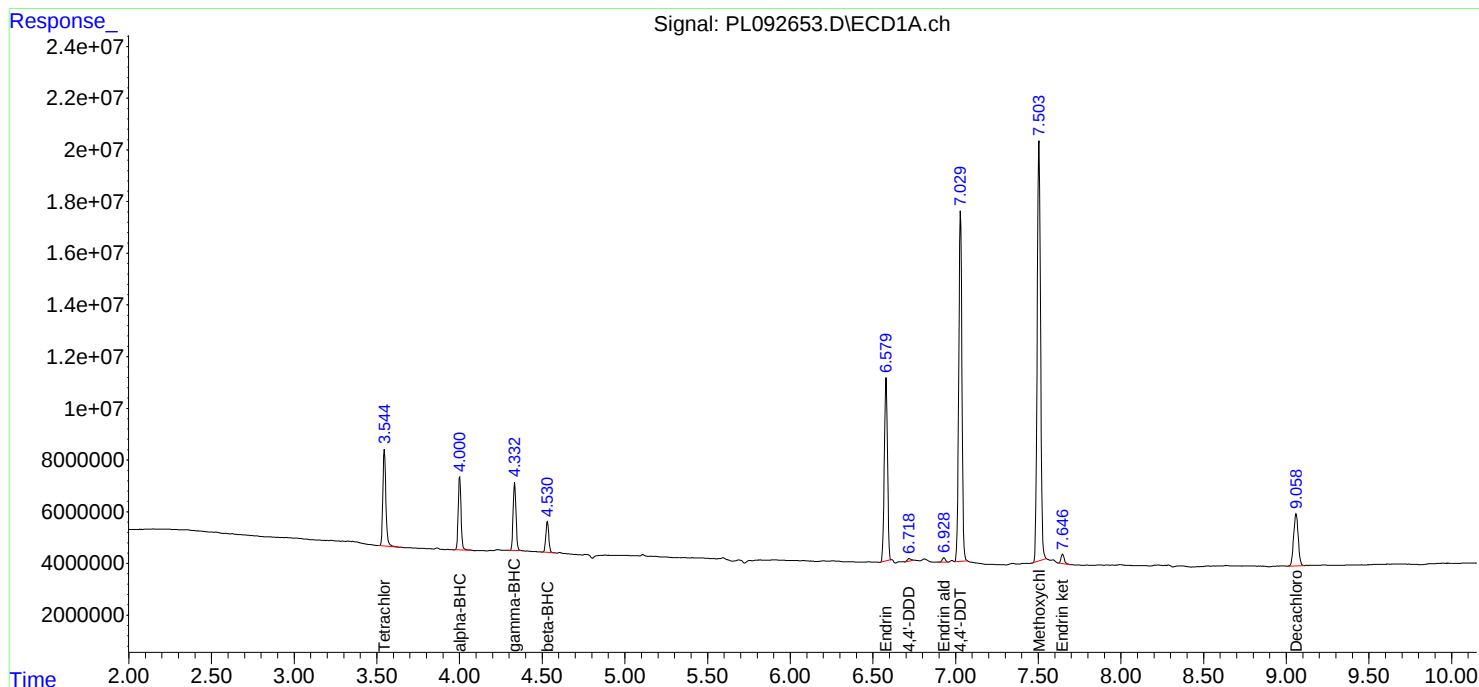
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:21:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 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



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **BAPS03**

Lab Code: **CHEM** Case No.: **P4822** SAS No.: **P4822** SDG NO.: **P4822**

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **10/28/2024** **10/28/2024**

Client Sample No. (PEM): **PEM - PL093018.D** Date Analyzed: **11/13/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **08:52**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.057	8.960	9.160	21.880	20.000	9.4
Tetrachloro-m-xylene	3.542	3.490	3.590	23.350	20.000	16.8
alpha-BHC	3.998	3.950	4.050	11.890	10.000	18.9
beta-BHC	4.528	4.480	4.580	12.410	10.000	24.1
gamma-BHC (Lindane)	4.331	4.280	4.380	11.780	10.000	17.8
Endrin	6.576	6.510	6.650	45.930	50.000	-8.1
4,4'-DDT	7.027	6.960	7.100	97.080	100.000	-2.9
Methoxychlor	7.503	7.430	7.570	225.720	250.000	-9.7

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **10/28/2024** **10/28/2024**

Client Sample No. (PEM): **PEM - PL093018.D** Date Analyzed: **11/13/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **08:52**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.916	7.820	8.020	22.340	20.000	11.7
Tetrachloro-m-xylene	2.779	2.730	2.830	23.950	20.000	19.8
alpha-BHC	3.281	3.230	3.330	11.420	10.000	14.2
beta-BHC	3.911	3.860	3.960	13.080	10.000	30.8
gamma-BHC (Lindane)	3.611	3.560	3.660	11.170	10.000	11.7
Endrin	5.642	5.570	5.710	58.920	50.000	17.8
4,4'-DDT	6.040	5.970	6.110	127.270	100.000	27.3
Methoxychlor	6.615	6.540	6.690	280.830	250.000	12.3

PEM
Data File: PL093018.D Date Acquired 11/13/2024 8:52
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.58	104555768.5	114632464.5	10076696	8.79
Endrin aldehyde	6.93	3886994.27			
Endrin ketone	7.64	6189701.711			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	170447574.9	182275879.5	11828304.5	6.49
Endrin aldehyde #2	6.12	4443182.743			
Endrin ketone #2	6.84	7385121.777			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	200940897.3	203687232.8	2746335.46	1.35
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	2746335.461			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.04	341374225	344578502	3204276.96	0.93
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.79	3204276.959			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111324\
 Data File : PL093018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 08:52
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/14/2024
 Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 12:14:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 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	2.779	57209165	65165006	23.348	23.947
28)	SA Decachlor...	9.057	7.916	42101099	60960942	21.876	22.336
Target Compounds							
2)	A alpha-BHC	3.998	3.281	40309120	45575386	11.885	11.422
3)	MA gamma-BHC...	4.331	3.611	38404812	43121070	11.782	11.173
6)	B beta-BHC	4.528	3.911	17941285	21528686	12.412	13.077
14)	MA Endrin	6.576	5.642	104.6E6	170.4E6	45.925	58.917 #
16)	A 4,4'-DDD	6.710	5.789	2746335	3204277	1.431m	1.287
17)	MA 4,4'-DDT	7.027	6.040	200.9E6	341.4E6	97.085	127.271 #
18)	B Endrin al...	6.927	6.116	3886994	4443183	2.070	1.926
20)	A Methoxychlor	7.503	6.615	257.3E6	401.0E6	225.720	280.827
21)	B Endrin ke...	7.645	6.842	6189702	7385122	2.555	2.407m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111324\
Data File : PL093018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 08:52
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

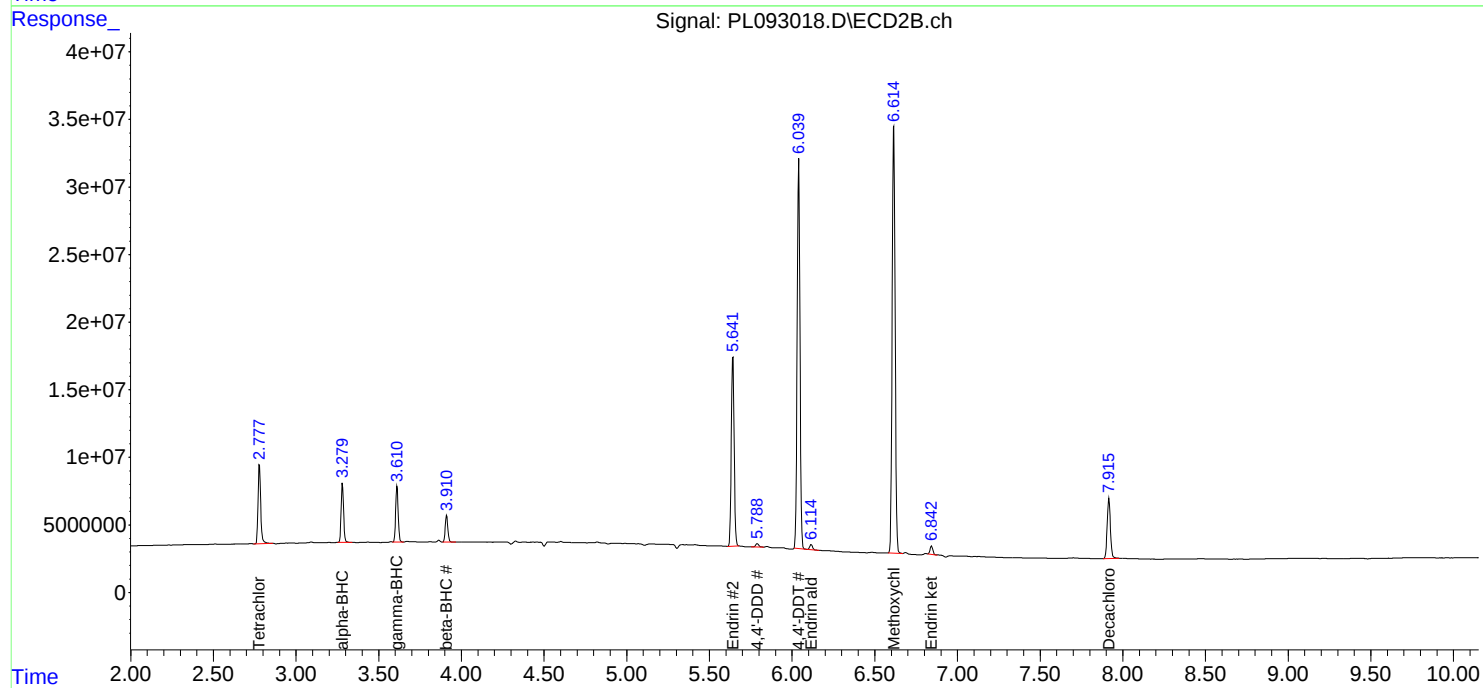
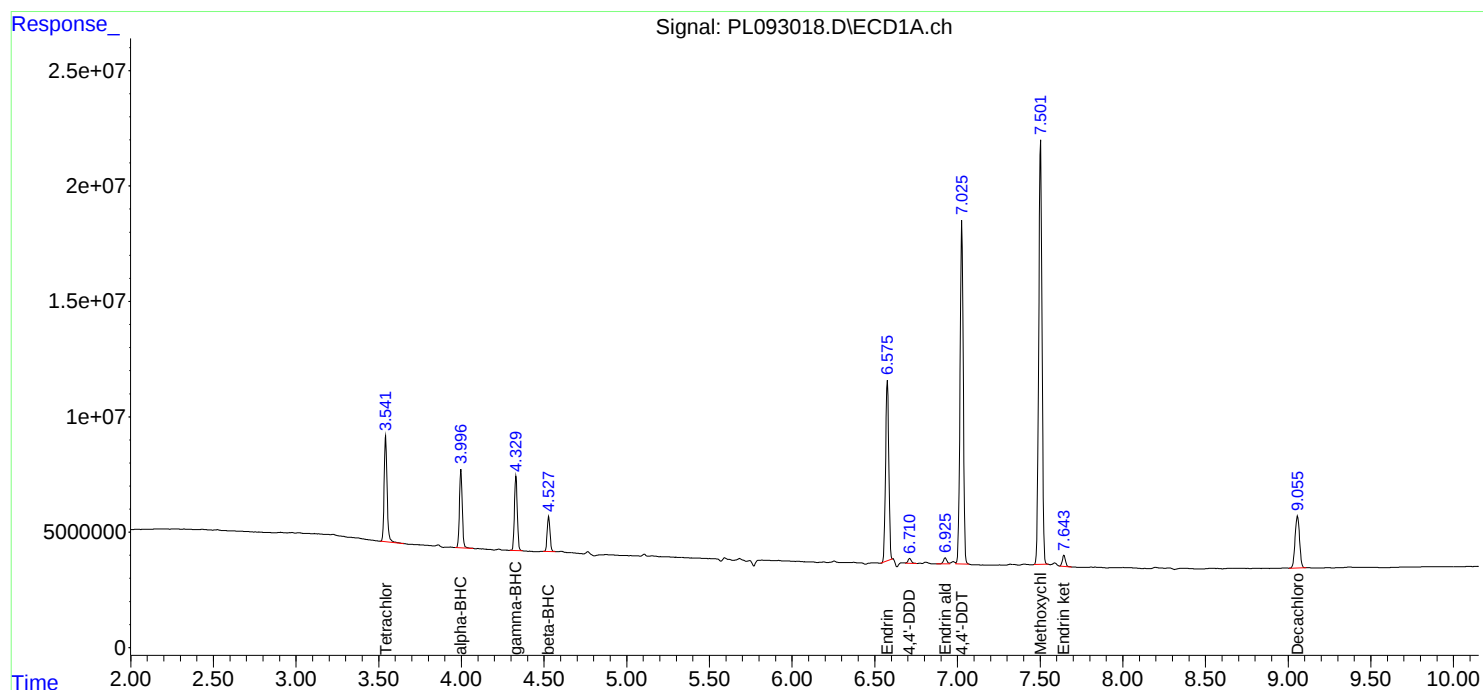
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 12:14:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092654.D
Acq On : 28 Oct 2024 14:29
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Title : GC Extractables
Last Update : Mon Oct 28 18:58:23 2024
Integrator: ChemStation

RT#1	RT#2	Resolution
3.540	5.940	100.00%
5.940	6.070	100.00%
6.070	6.193	100.00%
6.193	6.345	100.00%
6.345	7.158	100.00%
7.158	7.499	100.00%
7.499	7.643	100.00%
7.643	9.054	100.00%

Signal #2

2.778	4.982	100.00%
4.982	5.102	100.00%
5.102	5.235	100.00%
5.235	5.366	100.00%
5.366	6.338	100.00%
6.338	6.615	100.00%
6.615	6.844	100.00%
6.844	7.916	100.00%

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
 Data File : PL092654.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 14:29
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 17:21:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 17:19:58 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	48587926	52085719	19.830	19.141
28)	SA Decachlor...	9.054	7.916	38629596	53476121	20.072	19.594
Target Compounds							
9)	A Endosulfan I	6.070	5.102	26602716	28047383	10.635	9.186
10)	B gamma-Chl...	5.940	4.982	28607831	32626788	10.752	9.705
12)	B 4,4'-DDE	6.193	5.235	47717989	61582025	20.141	19.115
13)	MA Dieldrin	6.345	5.366	51856039	61668549	19.676	18.462
19)	B Endosulfa...	7.158	6.338	40592527	50485467	18.703	18.720
20)	A Methoxychlor	7.499	6.615	100.3E6	134.2E6	87.976	93.949
21)	B Endrin ke...	7.643	6.844	47240044	57600618	19.498	18.770

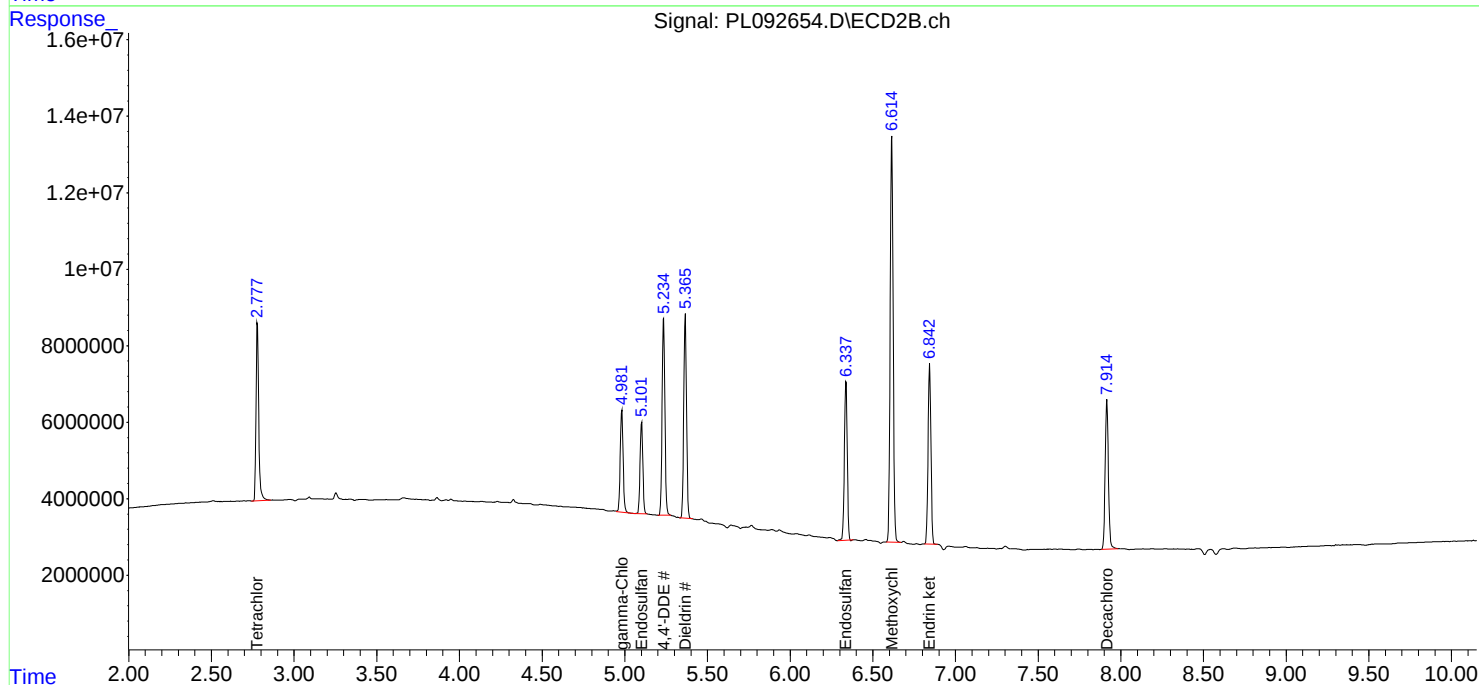
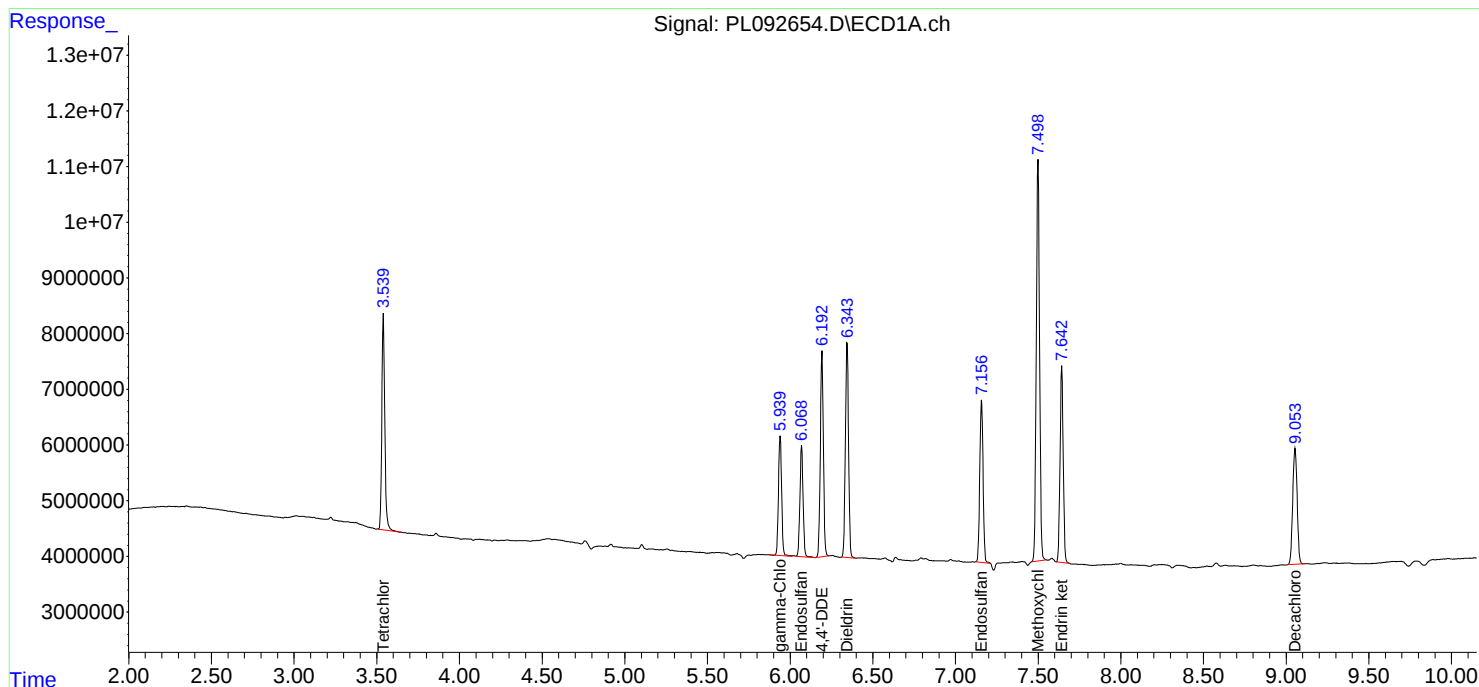
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092654.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:29
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:21:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 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



Analytical Sequence

Client: BAPS North Bergen	SDG No.: P4822
Project: BAPS North Bergen	Instrument ID: ECD_L
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/28/2024 10/28/2024

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 #
IBLK	IBLK	10/28/2024	13:55	PL092652.D	9.05	3.54
PEM	PEM	10/28/2024	14:16	PL092653.D	9.06	3.55
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	9.05	3.54
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	9.05	3.54
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	9.05	3.54
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	9.05	3.54
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	9.05	3.54
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	9.05	3.54
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	9.06	3.54
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	9.05	3.54
IBLK	IBLK	11/13/2024	08:39	PL093017.D	9.06	3.54
PEM	PEM	11/13/2024	08:52	PL093018.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/13/2024	09:06	PL093019.D	9.06	3.54
PB164939BL	PB164939BL	11/13/2024	12:22	PL093024.D	9.06	3.54
PB164939BS	PB164939BS	11/13/2024	12:49	PL093025.D	9.05	3.54
BP-F-2MS	P4821-05MS	11/13/2024	13:30	PL093028.D	9.05	3.54
BP-F-2MSD	P4821-05MSD	11/13/2024	13:43	PL093029.D	9.05	3.54
SOIL-1	P4822-02	11/13/2024	13:57	PL093030.D	9.05	3.54
SOIL-2	P4822-04	11/13/2024	14:10	PL093031.D	9.05	3.54
SOIL-3	P4822-06	11/13/2024	14:24	PL093032.D	9.05	3.54
SOIL-4	P4822-08	11/13/2024	14:37	PL093033.D	9.05	3.54
SOIL-5	P4822-10	11/13/2024	14:51	PL093034.D	9.05	3.54
SOIL-6	P4822-12	11/13/2024	15:04	PL093035.D	9.05	3.54
IBLK	IBLK	11/13/2024	15:45	PL093038.D	9.05	3.54
PSTDCCC050	PSTDCCC050	11/13/2024	15:59	PL093039.D	9.05	3.54

Analytical Sequence

Client: BAPS North Bergen	SDG No.: P4822
Project: BAPS North Bergen	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/28/2024 10/28/2024

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 #
IBLK	IBLK	10/28/2024	13:55	PL092652.D	7.92	2.78
PEM	PEM	10/28/2024	14:16	PL092653.D	7.92	2.78
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	7.92	2.78
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	7.92	2.78
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	7.92	2.78
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	7.92	2.78
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	7.92	2.78
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	7.92	2.78
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	7.92	2.78
IBLK	IBLK	11/13/2024	08:39	PL093017.D	7.92	2.78
PEM	PEM	11/13/2024	08:52	PL093018.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/13/2024	09:06	PL093019.D	7.92	2.78
PB164939BL	PB164939BL	11/13/2024	12:22	PL093024.D	7.92	2.78
PB164939BS	PB164939BS	11/13/2024	12:49	PL093025.D	7.91	2.78
BP-F-2MS	P4821-05MS	11/13/2024	13:30	PL093028.D	7.91	2.78
BP-F-2MSD	P4821-05MSD	11/13/2024	13:43	PL093029.D	7.91	2.78
SOIL-1	P4822-02	11/13/2024	13:57	PL093030.D	7.91	2.78
SOIL-2	P4822-04	11/13/2024	14:10	PL093031.D	7.91	2.78
SOIL-3	P4822-06	11/13/2024	14:24	PL093032.D	7.91	2.78
SOIL-4	P4822-08	11/13/2024	14:37	PL093033.D	7.91	2.78
SOIL-5	P4822-10	11/13/2024	14:51	PL093034.D	7.91	2.78
SOIL-6	P4822-12	11/13/2024	15:04	PL093035.D	7.91	2.78
IBLK	IBLK	11/13/2024	15:45	PL093038.D	7.91	2.78
PSTDCCC050	PSTDCCC050	11/13/2024	15:59	PL093039.D	7.91	2.78

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-2MS

Contract: BAPS03

Lab Code: CHEM

Case No.: P4822

SAS No.: P4822

SDG NO.: P4822

Lab Sample ID: P4821-05MS

Date(s) Analyzed: 11/13/2024

11/13/2024

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	19.2	11.8
	2	5.79	5.74	5.84	21.6	
4,4'-DDT	1	7.02	6.97	7.07	19.1	13.7
	2	6.04	5.99	6.09	21.9	
alpha-BHC	1	4.00	3.95	4.05	18.5	6.8
	2	3.28	3.23	3.33	19.8	
Aldrin	1	5.26	5.21	5.31	17.9	13.1
	2	4.23	4.18	4.28	20.4	
beta-BHC	1	4.53	4.48	4.58	19.3	7
	2	3.91	3.86	3.96	20.7	
delta-BHC	1	4.77	4.72	4.82	15.2	9.4
	2	4.14	4.09	4.19	16.7	
alpha-Chlordane	1	6.02	5.97	6.07	18.6	14.9
	2	5.04	4.99	5.09	21.6	
4,4'-DDE	1	6.19	6.14	6.24	19.2	13.1
	2	5.23	5.18	5.28	21.9	
Dieldrin	1	6.34	6.29	6.39	18.5	12.7
	2	5.36	5.31	5.41	21.0	
Endosulfan II	1	6.79	6.74	6.84	18.8	13.9
	2	5.93	5.88	5.98	21.6	
Endrin aldehyde	1	6.92	6.87	6.97	18.0	12
	2	6.11	6.06	6.16	20.3	
Endosulfan sulfate	1	7.16	7.11	7.21	17.9	13.5
	2	6.34	6.29	6.39	20.5	
Methoxychlor	1	7.50	7.45	7.55	19.2	10.8
	2	6.61	6.56	6.66	21.4	
Endrin ketone	1	7.64	7.59	7.69	18.5	9.3
	2	6.84	6.79	6.89	20.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-2MS

Contract: BAPS03

Lab Code: CHEM Case No.: P4822

SAS No.: P4822 SDG NO.: P4822

Lab Sample ID: P4821-05MS

Date(s) Analyzed: 11/13/2024 11/13/2024

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		CONCENTRATION	%RPD
			FROM	TO		
gamma-BHC (Lindane)	1	4.33	4.28	4.38	18.4	5.8
	2	3.61	3.56	3.66	19.5	
Heptachlor	1	4.92	4.87	4.97	19.1	9.5
	2	3.95	3.90	4.00	21.0	
Heptachlor epoxide	1	5.68	5.63	5.73	18.1	12.9
	2	4.73	4.68	4.78	20.6	
Endosulfan I	1	6.07	6.02	6.12	18.4	14.1
	2	5.10	5.05	5.15	21.2	
gamma-Chlordane	1	5.94	5.89	5.99	18.3	15.2
	2	4.98	4.93	5.03	21.3	
Endrin	1	6.57	6.52	6.62	18.2	20.2
	2	5.64	5.59	5.69	22.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-2MSD

Contract: BAPS03

Lab Code: CHEM

Case No.: P4822

SAS No.: P4822

SDG NO.: P4822

Lab Sample ID: P4821-05MSD

Date(s) Analyzed: 11/13/2024

11/13/2024

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		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	18.4	16.9
	2	5.93	5.88	5.98	21.8	
4,4'-DDD	1	6.71	6.66	6.76	19.9	10
	2	5.79	5.74	5.84	22.0	
4,4'-DDT	1	7.02	6.97	7.07	19.5	12.5
	2	6.04	5.99	6.09	22.1	
Endrin aldehyde	1	6.92	6.87	6.97	18.3	11.8
	2	6.11	6.06	6.16	20.6	
Endosulfan sulfate	1	7.16	7.11	7.21	18.0	14
	2	6.34	6.29	6.39	20.7	
Methoxychlor	1	7.50	7.45	7.55	19.1	11.8
	2	6.61	6.56	6.66	21.5	
Endrin ketone	1	7.64	7.59	7.69	18.6	11.6
	2	6.84	6.79	6.89	20.9	
alpha-BHC	1	3.99	3.94	4.04	18.7	7.2
	2	3.28	3.23	3.33	20.1	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	18.5	6.8
	2	3.61	3.56	3.66	19.8	
Heptachlor	1	4.92	4.87	4.97	19.2	9.4
	2	3.95	3.90	4.00	21.1	
Aldrin	1	5.26	5.21	5.31	18.0	13.5
	2	4.23	4.18	4.28	20.6	
beta-BHC	1	4.52	4.47	4.57	19.4	7.4
	2	3.91	3.86	3.96	20.9	
delta-BHC	1	4.77	4.72	4.82	15.3	9.9
	2	4.14	4.09	4.19	16.9	
Heptachlor epoxide	1	5.68	5.63	5.73	18.3	12.8
	2	4.73	4.68	4.78	20.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-2MSD

Contract: BAPS03

Lab Code: CHEM Case No.: P4822

SAS No.: P4822

SDG NO.: P4822

Lab Sample ID: P4821-05MSD

Date(s) Analyzed: 11/13/2024 11/13/2024

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		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	18.7	13
	2	5.10	5.05	5.15	21.3	
gamma-Chlordane	1	5.94	5.89	5.99	18.5	15
	2	4.98	4.93	5.03	21.5	
alpha-Chlordane	1	6.02	5.97	6.07	18.9	14.3
	2	5.04	4.99	5.09	21.8	
4,4'-DDE	1	6.19	6.14	6.24	19.3	13.5
	2	5.23	5.18	5.28	22.1	
Dieldrin	1	6.34	6.29	6.39	18.7	13
	2	5.36	5.31	5.41	21.3	
Endrin	1	6.57	6.52	6.62	18.2	21.1
	2	5.64	5.59	5.69	22.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164939BS

Contract: BAPS03

Lab Code: CHEM

Case No.: P4822

SAS No.: P4822

SDG NO.: P4822

Lab Sample ID: PB164939BS

Date(s) Analyzed: 11/13/2024

11/13/2024

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		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	15.1	19.7
	2	5.93	5.88	5.98	18.4	
4,4'-DDD	1	6.71	6.66	6.76	16.3	13.7
	2	5.79	5.74	5.84	18.7	
4,4'-DDT	1	7.02	6.97	7.07	16.2	13.3
	2	6.04	5.99	6.09	18.5	
Endrin aldehyde	1	6.92	6.87	6.97	15.0	13.7
	2	6.11	6.06	6.16	17.2	
Endosulfan sulfate	1	7.16	7.11	7.21	15.1	16.4
	2	6.34	6.29	6.39	17.8	
Methoxychlor	1	7.50	7.45	7.55	15.9	11.8
	2	6.61	6.56	6.66	17.9	
Endrin ketone	1	7.64	7.59	7.69	15.0	14.2
	2	6.84	6.79	6.89	17.3	
alpha-BHC	1	4.00	3.95	4.05	15.6	9.8
	2	3.28	3.23	3.33	17.2	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.4	8.7
	2	3.61	3.56	3.66	16.8	
Heptachlor	1	4.92	4.87	4.97	16.0	11.2
	2	3.95	3.90	4.00	17.9	
Aldrin	1	5.26	5.21	5.31	15.0	13.7
	2	4.23	4.18	4.28	17.2	
beta-BHC	1	4.53	4.48	4.58	15.9	10.1
	2	3.91	3.86	3.96	17.6	
delta-BHC	1	4.77	4.72	4.82	13.5	11.8
	2	4.14	4.09	4.19	15.2	
Heptachlor epoxide	1	5.68	5.63	5.73	15.2	14.6
	2	4.73	4.68	4.78	17.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164939BS

Contract: BAPS03

Lab Code: CHEM

Case No.: P4822

SAS No.: P4822

SDG NO.: P4822

Lab Sample ID: PB164939BS

Date(s) Analyzed: 11/13/2024

11/13/2024

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		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	15.5	14.9
	2	5.10	5.05	5.15	18.0	
gamma-Chlordane	1	5.94	5.89	5.99	15.5	17.1
	2	4.98	4.93	5.03	18.4	
alpha-Chlordane	1	6.02	5.97	6.07	15.6	15.4
	2	5.04	4.99	5.09	18.2	
4,4'-DDE	1	6.19	6.14	6.24	15.9	15.1
	2	5.23	5.18	5.28	18.5	
Dieldrin	1	6.35	6.30	6.40	15.4	16.1
	2	5.36	5.31	5.41	18.1	
Endrin	1	6.57	6.52	6.62	15.1	22.4
	2	5.64	5.59	5.69	18.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-1

Contract: BAPS03

Lab Code: CHEM **Case No.:** P4822

SAS No.: P4822 **SDG NO.:** P4822

Lab Sample ID: P4822-02

Date(s) Analyzed: 11/13/2024 11/13/2024

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	7.02	6.97	7.07	1.10	77.8
	2	6.03	5.98	6.08	2.50	
alpha-Chlordane	1	6.02	5.97	6.07	1.30	82.1
	2	5.04	4.99	5.09	0.54	
4,4'-DDE	1	6.19	6.14	6.24	0.41	2.6
	2	5.23	5.18	5.28	0.42	
Dieldrin	1	6.34	6.29	6.39	0.35	42.9
	2	5.36	5.31	5.41	0.54	
Endrin	1	6.57	6.52	6.62	0.33	1.1
	2	5.65	5.60	5.70	0.33	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-2

Contract: BAPS03

Lab Code: CHEM **Case No.:** P4822

SAS No.: P4822 **SDG NO.:** P4822

Lab Sample ID: P4822-04

Date(s) Analyzed: 11/13/2024 11/13/2024

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	7.02	6.97	7.07	0.99	107.7
	2	6.03	5.98	6.08	3.30	
alpha-Chlordane	1	6.02	5.97	6.07	0.85	103.3
	2	5.04	4.99	5.09	0.27	
4,4'-DDE	1	6.19	6.14	6.24	0.78	19.2
	2	5.23	5.18	5.28	0.65	
Dieldrin	1	6.34	6.29	6.39	0.29	107.7
	2	5.36	5.31	5.41	0.96	
Endrin	1	6.57	6.52	6.62	0.49	28.6
	2	5.64	5.59	5.69	0.37	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-3

Contract: BAPS03

Lab Code: CHEM Case No.: P4822

SAS No.: P4822 SDG NO.: P4822

Lab Sample ID: P4822-06

Date(s) Analyzed: 11/13/2024 11/13/2024

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		CONCENTRATION	%RPD
			FROM	TO		
Endrin	1	6.57	6.52	6.62	0.40	20.2
	2	5.64	5.59	5.69	0.32	
4,4'-DDT	1	7.02	6.97	7.07	0.90	105.3
	2	6.03	5.98	6.08	2.90	
alpha-Chlordane	1	6.02	5.97	6.07	0.72	98.9
	2	5.04	4.99	5.09	0.24	
4,4'-DDE	1	6.19	6.14	6.24	0.68	15.5
	2	5.23	5.18	5.28	0.59	
Dieldrin	1	6.34	6.29	6.39	0.27	94
	2	5.36	5.31	5.41	0.76	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-4

Contract: BAPS03

Lab Code: CHEM Case No.: P4822

SAS No.: P4822 SDG NO.: P4822

Lab Sample ID: P4822-08

Date(s) Analyzed: 11/13/2024 11/13/2024

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	7.02	6.97	7.07	1.70	88.5
	2	6.03	5.98	6.08	4.40	
alpha-Chlordane	1	6.02	5.97	6.07	1.90	89.4
	2	5.04	4.99	5.09	0.73	
4,4'-DDE	1	6.19	6.14	6.24	1.10	15.6
	2	5.23	5.18	5.28	0.94	
Dieldrin	1	6.34	6.29	6.39	0.49	95.7
	2	5.36	5.31	5.41	1.40	
Endrin	1	6.57	6.52	6.62	0.74	23.8
	2	5.64	5.59	5.69	0.58	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-5

Contract: BAPS03

Lab Code: CHEM

Case No.: P4822

SAS No.: P4822

SDG NO.: P4822

Lab Sample ID: P4822-10

Date(s) Analyzed: 11/13/2024

11/13/2024

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	7.02	6.97	7.07	0.92	95.7
	2	6.03	5.98	6.08	2.60	
Endosulfan sulfate	1	7.16	7.11	7.21	0.57	49.6
	2	6.33	6.28	6.38	0.34	
alpha-Chlordane	1	6.02	5.97	6.07	1.20	73.3
	2	5.04	4.99	5.09	0.56	
Dieldrin	1	6.34	6.29	6.39	0.39	108.5
	2	5.37	5.32	5.42	1.30	
Endrin	1	6.57	6.52	6.62	0.38	16.5
	2	5.65	5.60	5.70	0.32	
gamma-Chlordane	1	5.94	5.89	5.99	0.79	82.6
	2	4.99	4.94	5.04	1.90	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-6

Contract: BAPS03

Lab Code: CHEM

Case No.: P4822

SAS No.: P4822

SDG NO.: P4822

Lab Sample ID: P4822-12

Date(s) Analyzed: 11/13/2024

11/13/2024

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	7.02	6.97	7.07	0.47	108.6
	2	6.03	5.98	6.08	1.60	
gamma-Chlordane	1	5.94	5.89	5.99	0.87	69.3
	2	4.98	4.93	5.03	0.42	
alpha-Chlordane	1	6.02	5.97	6.07	1.80	78.3
	2	5.04	4.99	5.09	0.79	
4,4'-DDE	1	6.19	6.14	6.24	0.31	3.5
	2	5.23	5.18	5.28	0.32	
Dieldrin	1	6.34	6.29	6.39	0.33	40
	2	5.36	5.31	5.41	0.49	
Endrin	1	6.57	6.52	6.62	0.24	21.9
	2	5.65	5.60	5.70	0.19	



QC SAMPLE DATA

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	
Project:	BAPS North Bergen	Date Received:	
Client Sample ID:	PB164939BL	SDG No.:	P4822
Lab Sample ID:	PB164939BL	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
PL093024.D	1	11/13/24 08:40	11/13/24 12:22	PB164939

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	19.7		30 (10) - 150 (148)	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.6		30 (10) - 150 (159)	98%	SPK: 20

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	
Project:	BAPS North Bergen	Date Received:	
Client Sample ID:	PB164939BL	SDG No.:	P4822
Lab Sample ID:	PB164939BL	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
PL093024.D	1	11/13/24 08:40	11/13/24 12:22	PB164939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PL111324\
 Data File : PL093024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 12:22
 Operator : AR\AJ
 Sample : PB164939BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB164939BL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
 Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 14 00:29:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 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	48101797	50566983	19.631m	18.583
28) SA Decachlor...	9.055	7.915	37426230	53669702	19.447	19.665

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111324\
Data File : PL093024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 12:22
Operator : AR\AJ
Sample : PB164939BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

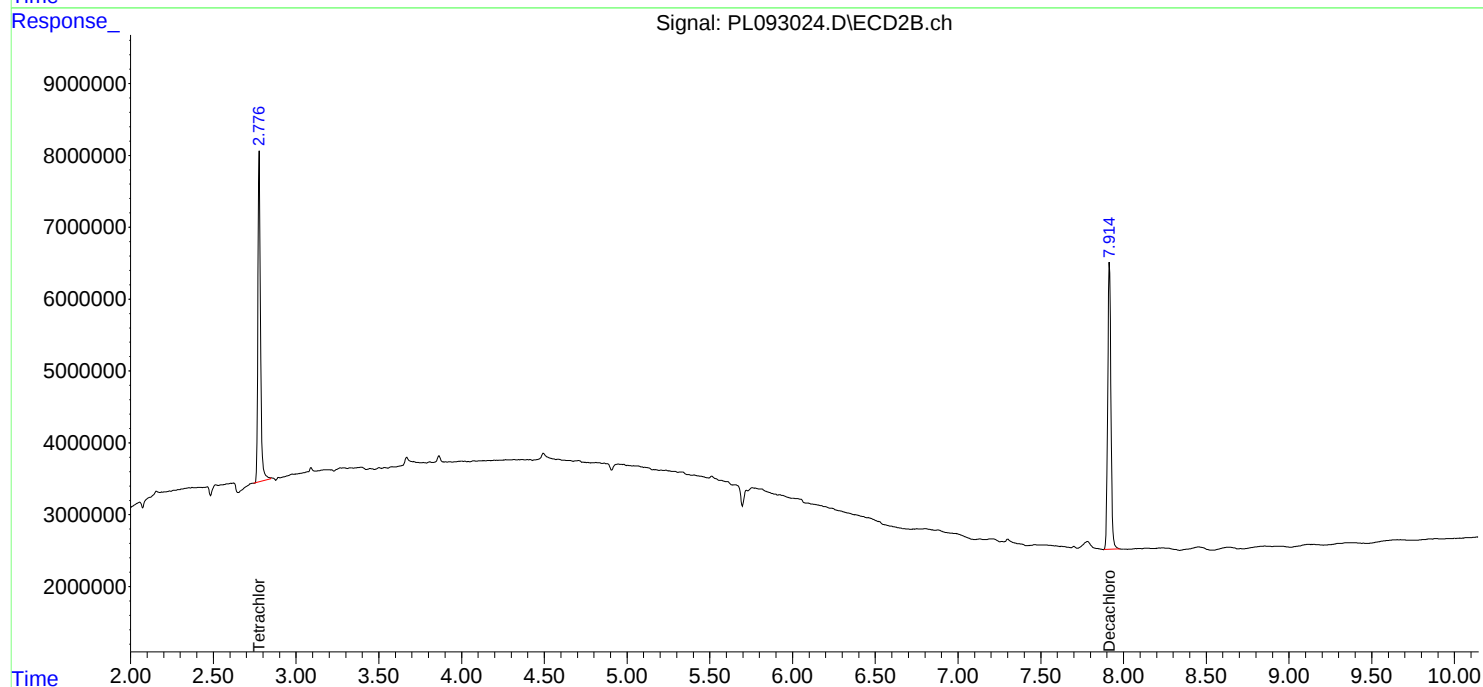
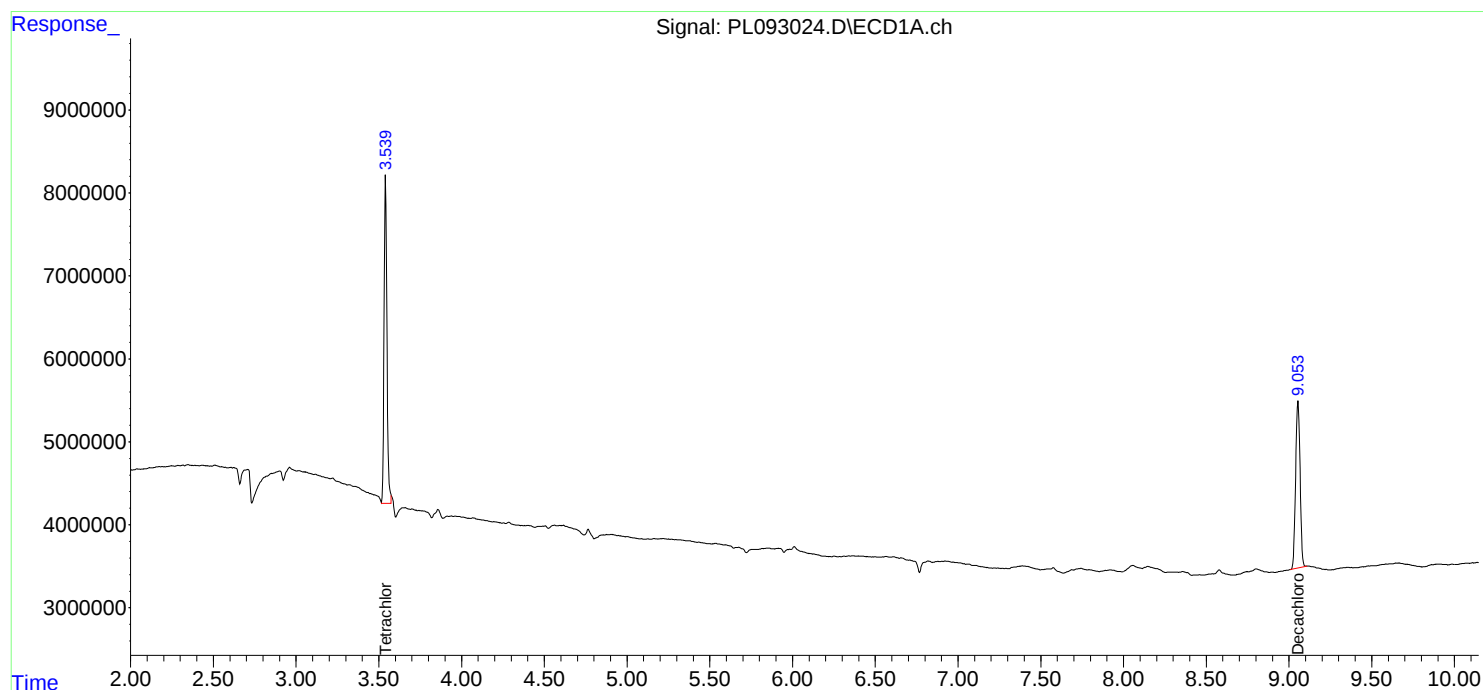
Instrument :
ECD_L
ClientSampleId :
PB164939BL

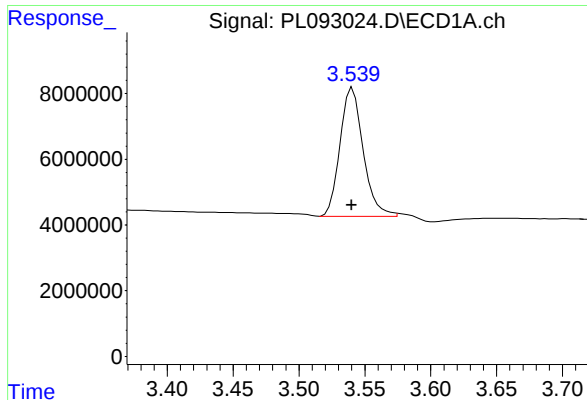
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 14 00:29:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 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





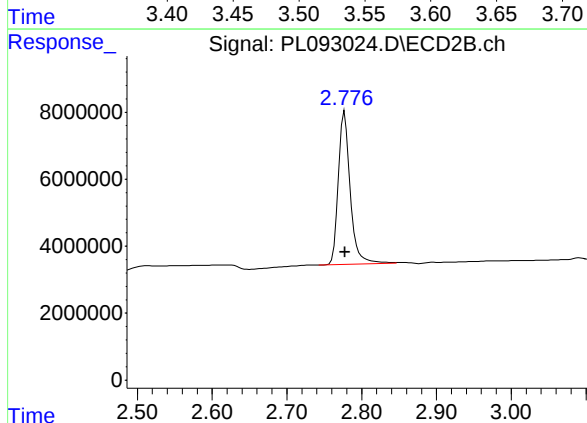
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 48101797
Conc: 19.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164939BL

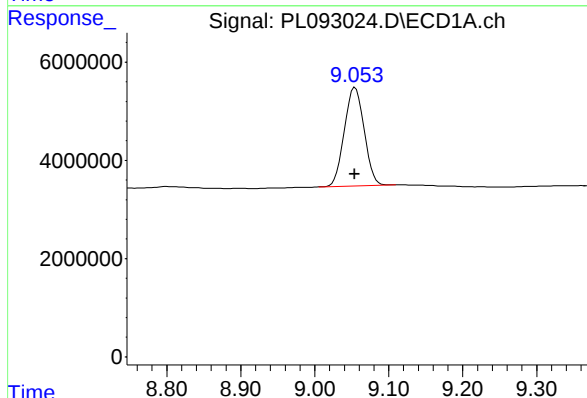
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :Ankita Jodhani 11/14/2024



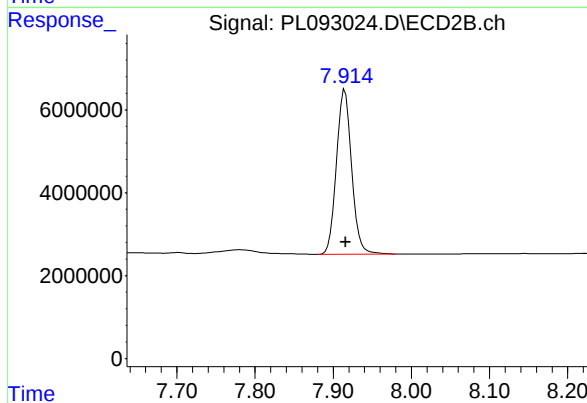
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 50566983
Conc: 18.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 37426230
Conc: 19.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: 0.000 min
Response: 53669702
Conc: 19.66 ng/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	10/28/24
Project:	BAPS North Bergen	Date Received:	10/28/24
Client Sample ID:	PIBLK-PL092652.D	SDG No.:	P4822
Lab Sample ID:	I.BLK-PL092652.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
PL092652.D	1		10/28/24	PL102824

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	22.7		30 (43) - 150 (140)	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		30 (77) - 150 (126)	108%	SPK: 20

Report of Analysis

Client:	BAPS North Bergen		Date Collected:	10/28/24	
Project:	BAPS North Bergen		Date Received:	10/28/24	
Client Sample ID:	PIBLK-PL092652.D		SDG No.:	P4822	
Lab Sample ID:	I.BLK-PL092652.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
PL092652.D	1		10/28/24	PL102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PL102824\
 Data File : PL092652.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 13:55
 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 28 17:20:49 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 17:19:58 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	52846066	55504223	21.568	20.397
28) SA Decachlor...	9.052	7.915	43705517	59287776	22.709	21.723

Target Compounds

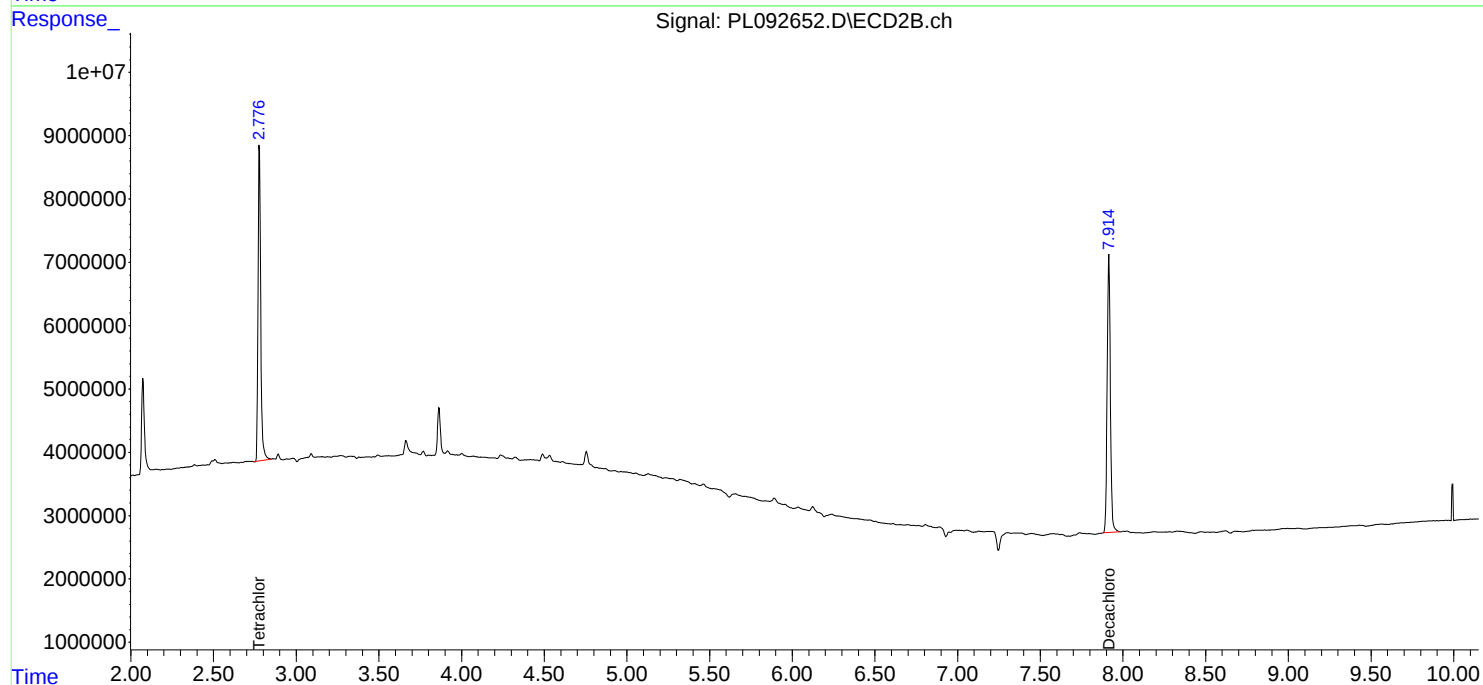
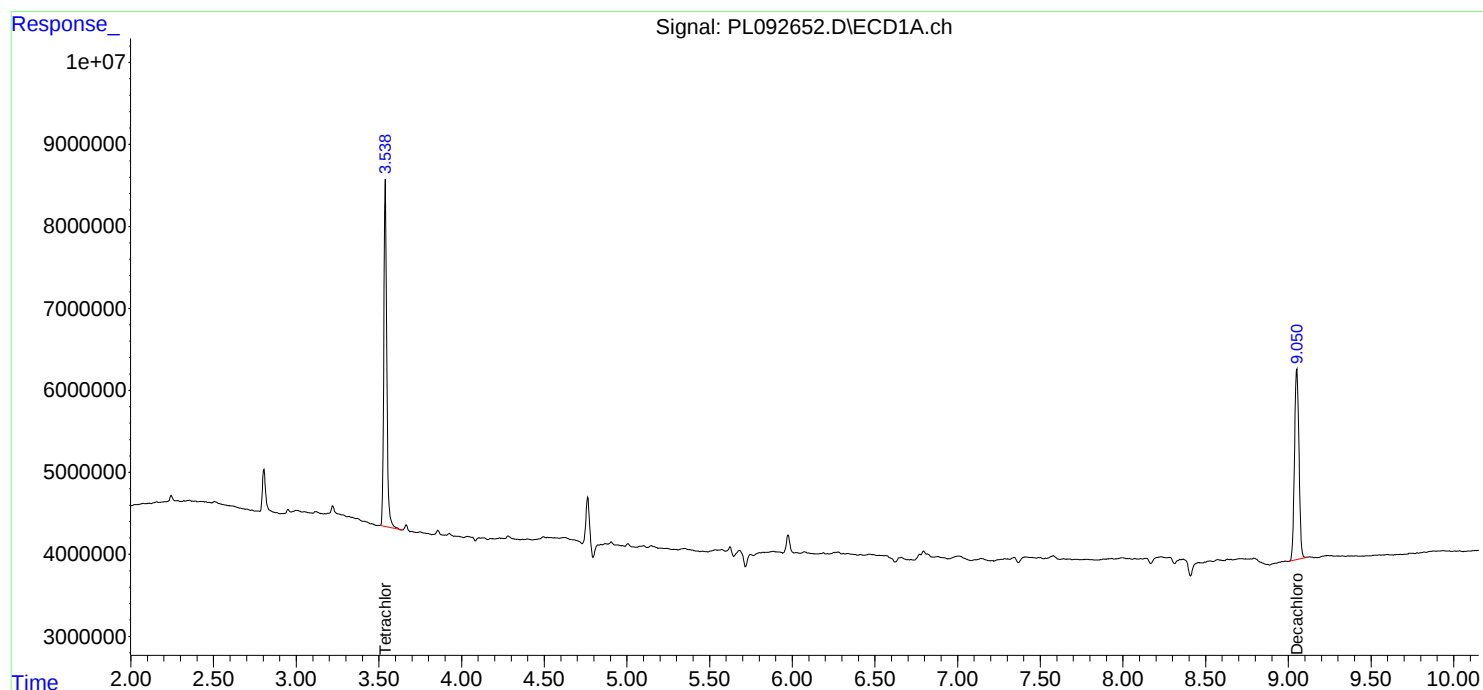
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

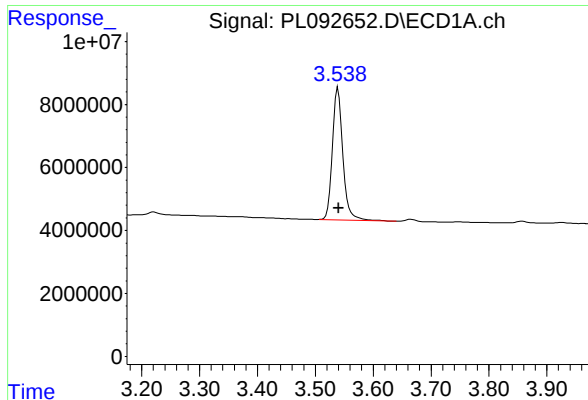
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092652.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 13:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:20:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 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

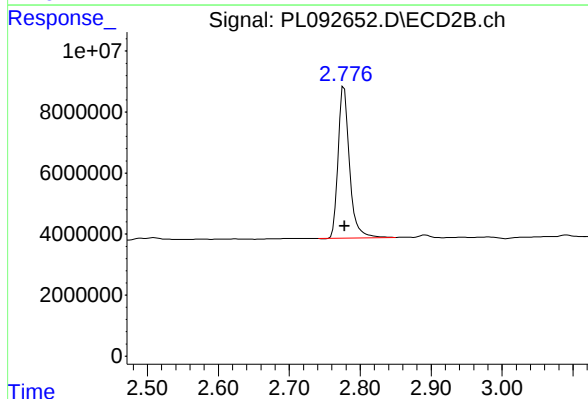




#1 Tetrachloro-m-xylene

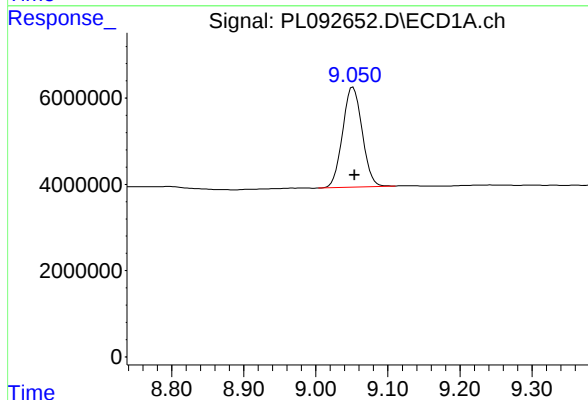
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 52846066
Conc: 21.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



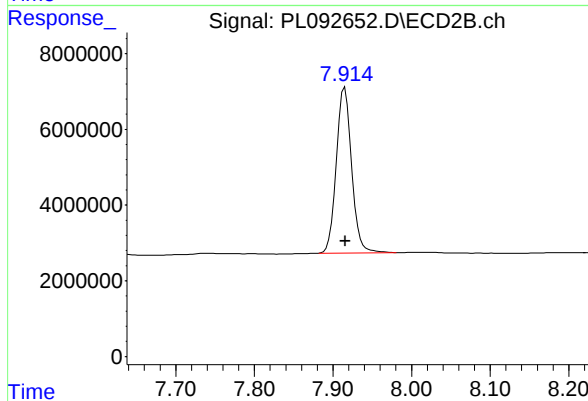
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 55504223
Conc: 20.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.002 min
Response: 43705517
Conc: 22.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: 0.000 min
Response: 59287776
Conc: 21.72 ng/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/13/24
Project:	BAPS North Bergen	Date Received:	11/13/24
Client Sample ID:	PIBLK-PL093017.D	SDG No.:	P4822
Lab Sample ID:	I.BLK-PL093017.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
PL093017.D	1		11/13/24	PL111324

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	23.6		30 (77) - 150 (126)	118%	SPK: 20

Report of Analysis

Client:	BAPS North Bergen		Date Collected:	11/13/24	
Project:	BAPS North Bergen		Date Received:	11/13/24	
Client Sample ID:	PIBLK-PL093017.D		SDG No.:	P4822	
Lab Sample ID:	I.BLK-PL093017.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
PL093017.D	1		11/13/24	PL111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PL111324\
Data File : PL093017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 08:39
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: Nov 13 12:14:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 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	2.778	57294680	64115267	23.383	23.562
28) SA Decachlor...	9.058	7.916	43918801	63835462	22.820	23.389

Target Compounds

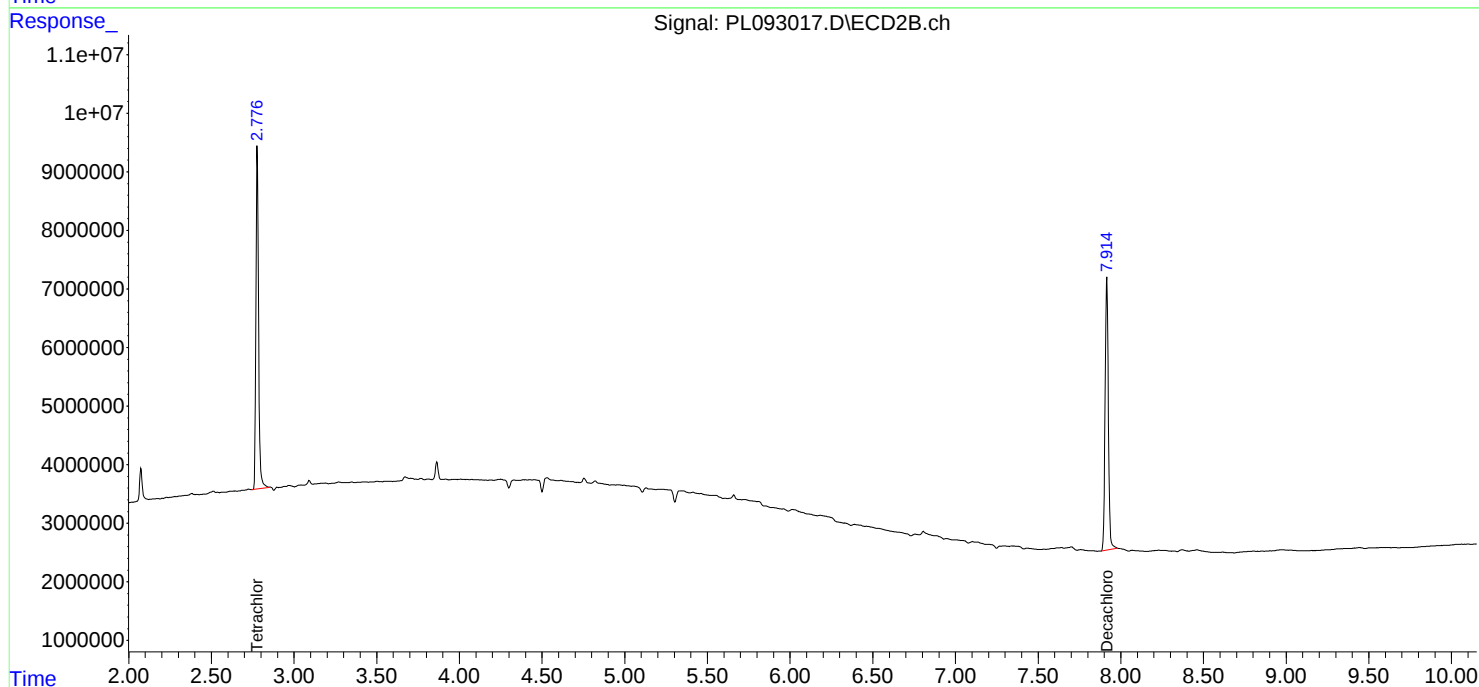
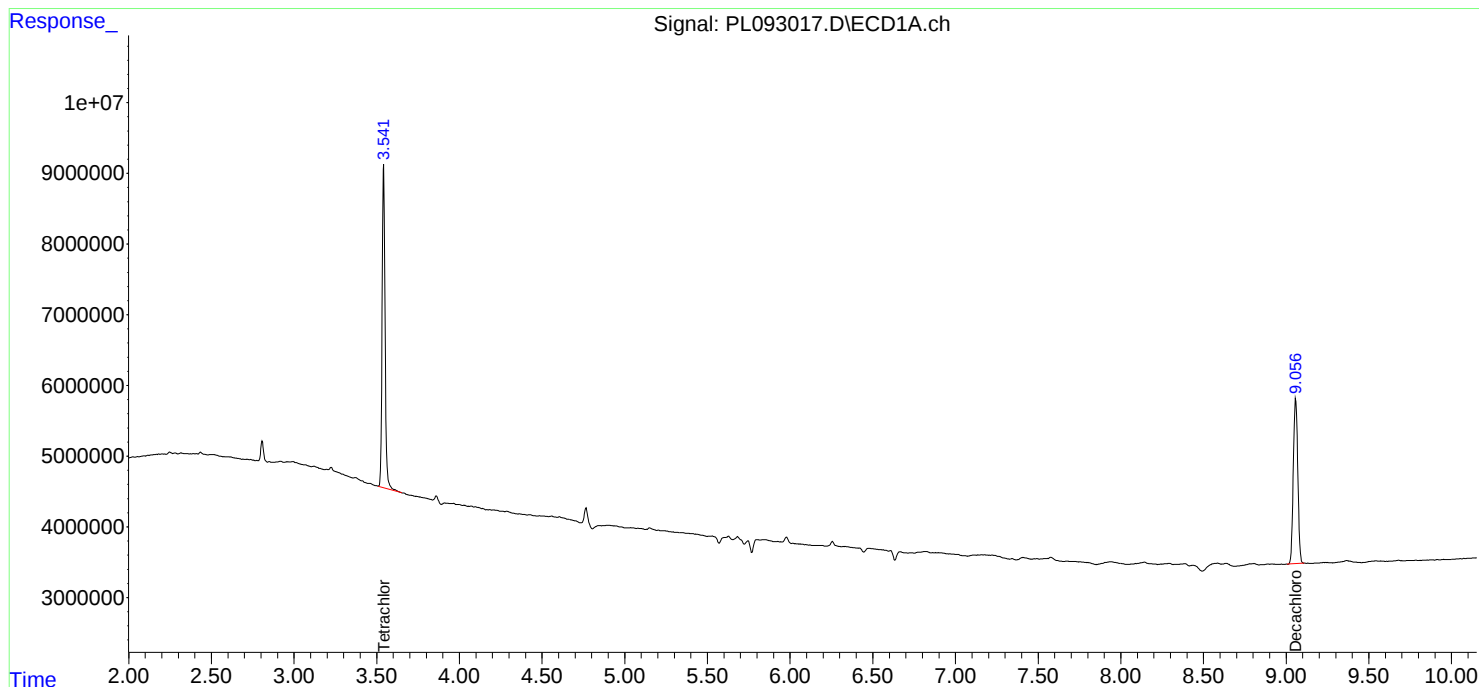
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

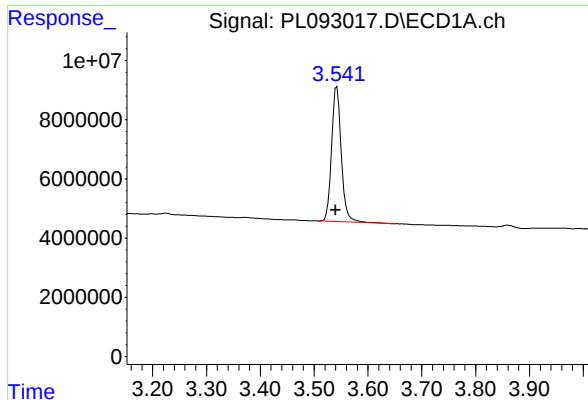
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111324\
Data File : PL093017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 08:39
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 12:14:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 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

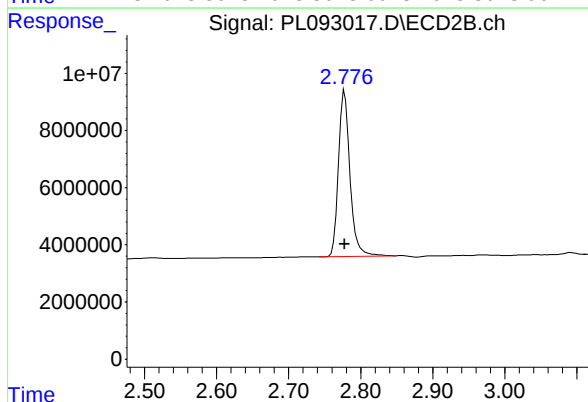




#1 Tetrachloro-m-xylene

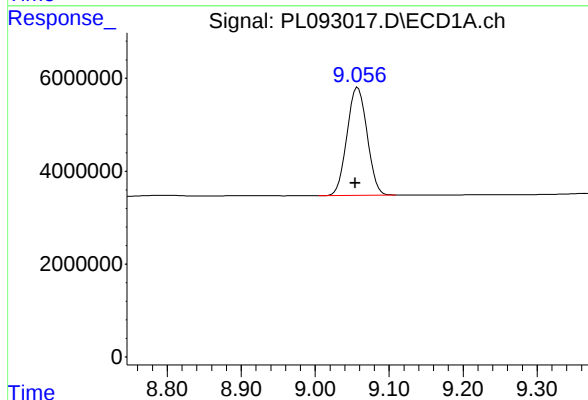
R.T.: 3.542 min
Delta R.T.: 0.002 min
Response: 57294680
Conc: 23.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



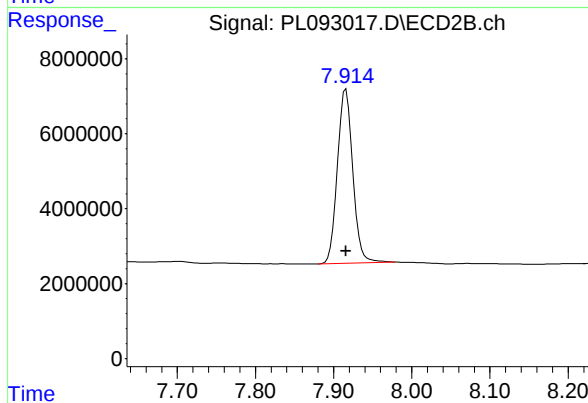
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 64115267
Conc: 23.56 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.004 min
Response: 43918801
Conc: 22.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.916 min
Delta R.T.: 0.000 min
Response: 63835462
Conc: 23.39 ng/ml

Report of Analysis

Client:	BAPS North Bergen		Date Collected:	11/13/24	
Project:	BAPS North Bergen		Date Received:	11/13/24	
Client Sample ID:	PIBLK-PL093038.D		SDG No.:	P4822	
Lab Sample ID:	I.BLK-PL093038.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
PL093038.D	1		11/13/24	PL111324

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	23.5		30 (77) - 150 (126)	118%	SPK: 20

Report of Analysis

Client:	BAPS North Bergen		Date Collected:	11/13/24	
Project:	BAPS North Bergen		Date Received:	11/13/24	
Client Sample ID:	PIBLK-PL093038.D		SDG No.:	P4822	
Lab Sample ID:	I.BLK-PL093038.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
PL093038.D	1		11/13/24	PL111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PL111324\
Data File : PL093038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 15:45
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: Nov 14 00:34:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 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	2.775	57250423	63975477	23.365	23.510
28) SA Decachlor...	9.052	7.913	43191503	61581456	22.442	22.564

Target Compounds

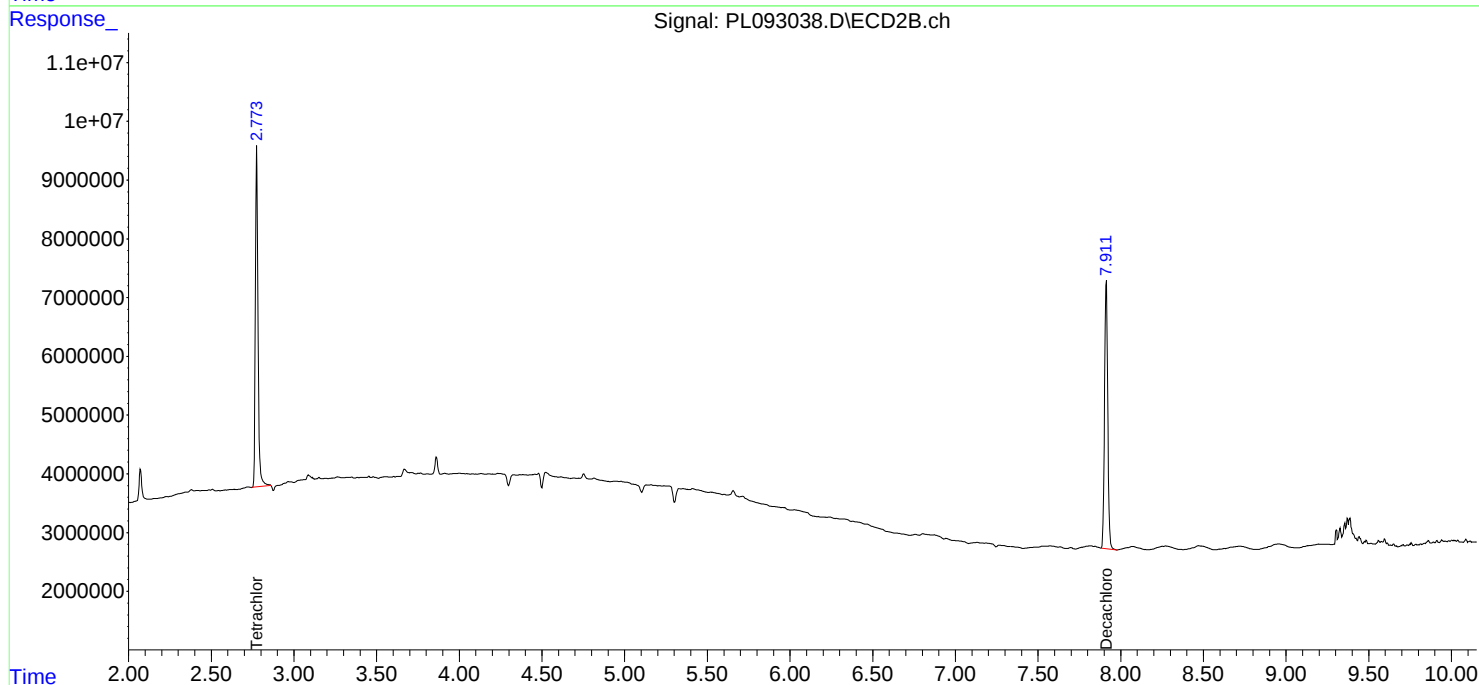
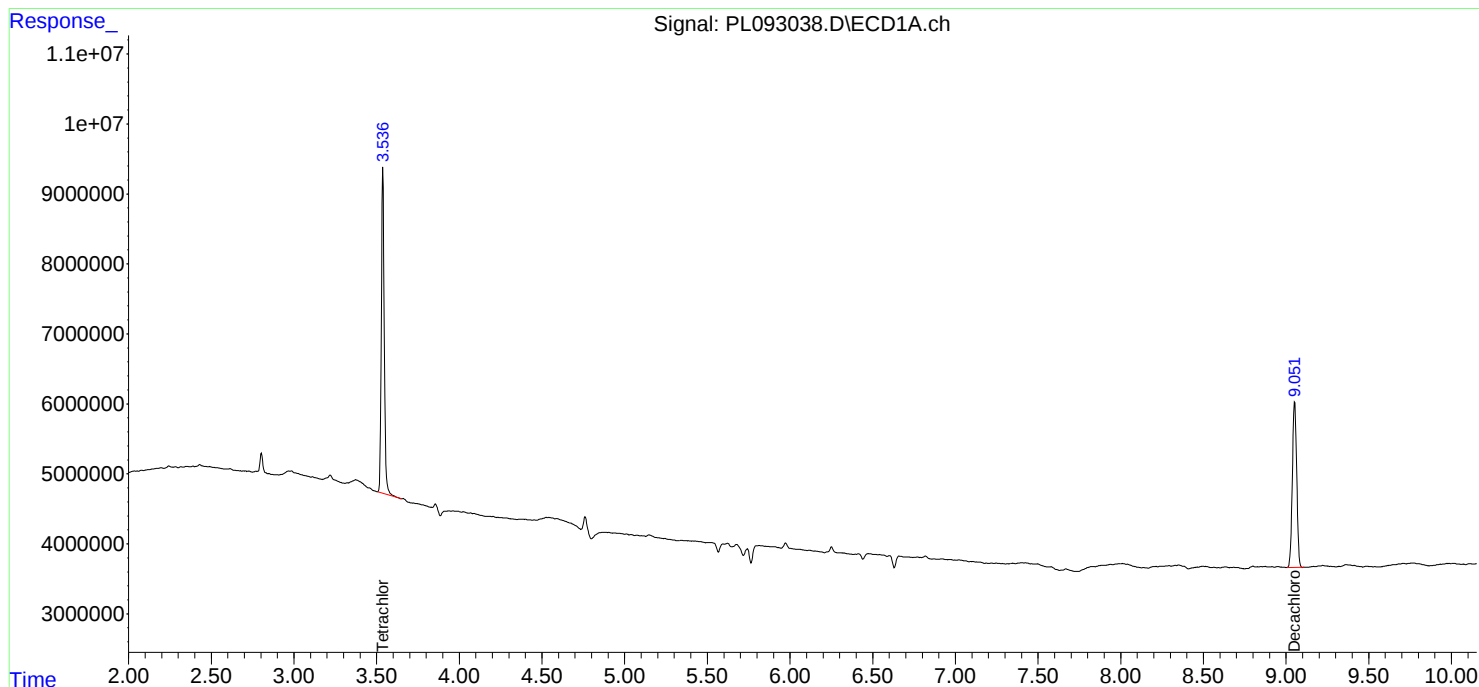
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

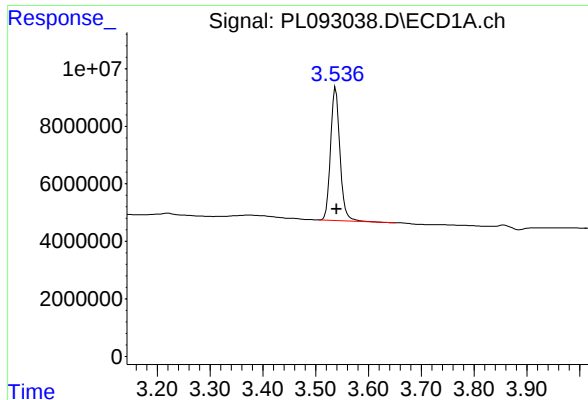
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111324\
Data File : PL093038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 15:45
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 14 00:34:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 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

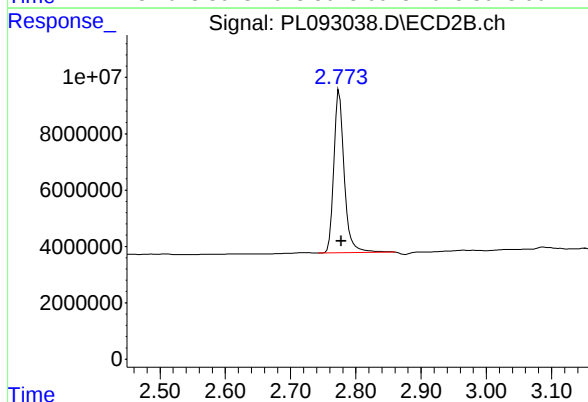




#1 Tetrachloro-m-xylene

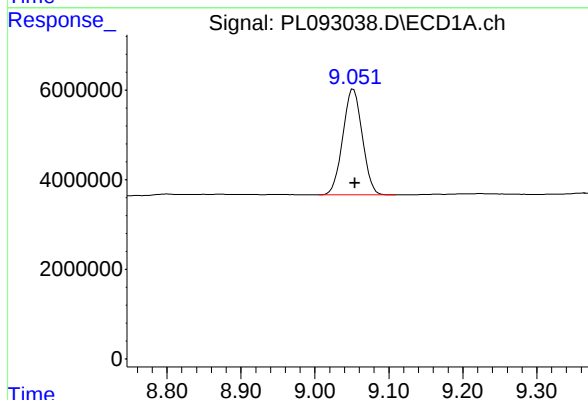
R.T.: 3.538 min
Delta R.T.: -0.002 min
Response: 57250423
Conc: 23.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



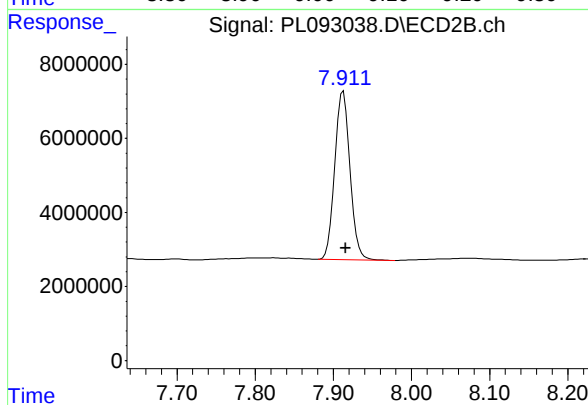
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: -0.003 min
Response: 63975477
Conc: 23.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.002 min
Response: 43191503
Conc: 22.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: -0.003 min
Response: 61581456
Conc: 22.56 ng/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	
Project:	BAPS North Bergen	Date Received:	
Client Sample ID:	PB164939BS	SDG No.:	P4822
Lab Sample ID:	PB164939BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 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
PL093025.D	1	11/13/24 08:40	11/13/24 12:49	PB164939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.2		0.18	1.70	ug/kg
319-85-7	beta-BHC	17.6		0.49	1.70	ug/kg
319-86-8	delta-BHC	15.2		0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.8		0.19	1.70	ug/kg
76-44-8	Heptachlor	17.9		0.17	1.70	ug/kg
309-00-2	Aldrin	17.2		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	17.6		0.23	1.70	ug/kg
959-98-8	Endosulfan I	18.0		0.17	1.70	ug/kg
60-57-1	Dieldrin	18.1		0.15	1.70	ug/kg
72-55-9	4,4-DDE	18.5		0.13	1.70	ug/kg
72-20-8	Endrin	18.9		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	18.4		0.30	1.70	ug/kg
72-54-8	4,4-DDD	18.7		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	17.8		0.13	1.70	ug/kg
50-29-3	4,4-DDT	18.5		0.17	1.70	ug/kg
72-43-5	Methoxychlor	17.9		0.38	1.70	ug/kg
53494-70-5	Endrin ketone	17.3		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	17.2		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	18.2		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.4		0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.8		30 (10) - 150 (148)	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		30 (10) - 150 (159)	96%	SPK: 20

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	
Project:	BAPS North Bergen	Date Received:	
Client Sample ID:	PB164939BS	SDG No.:	P4822
Lab Sample ID:	PB164939BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 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
PL093025.D	1	11/13/24 08:40	11/13/24 12:49	PB164939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PL111324\
 Data File : PL093025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 12:49
 Operator : AR\AJ
 Sample : PB164939BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB164939BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 14 00:30:04 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 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	2.776	46875071	47115536	19.131	17.314
28) SA Decachlor...	9.053	7.914	35533960	51309908	18.464	18.800
Target Compounds						
2) A alpha-BHC	3.995	3.279	158.8E6	205.5E6	46.825	51.508
3) MA gamma-BHC...	4.327	3.609	150.9E6	194.3E6	46.306	50.342
4) MA Heptachlor	4.916	3.948	144.1E6	202.7E6	47.982	53.703
5) MB Aldrin	5.257	4.228	135.0E6	189.1E6	44.972	51.654
6) B beta-BHC	4.525	3.909	69159757	86969858	47.846	52.829
7) B delta-BHC	4.773	4.138	127.0E6	175.7E6	40.576	45.730
8) B Heptachlo...	5.683	4.730	125.9E6	177.0E6	45.582	52.968
9) A Endosulfan I	6.069	5.100	116.1E6	165.0E6	46.415	54.029
10) B gamma-Chl...	5.940	4.981	123.9E6	186.2E6	46.557	55.383
11) B alpha-Chl...	6.018	5.044	124.3E6	181.9E6	46.948	54.677
12) B 4,4'-DDE	6.192	5.233	113.5E6	179.3E6	47.887	55.670
13) MA Dieldrin	6.345	5.364	122.3E6	181.2E6	46.395	54.256
14) MA Endrin	6.574	5.640	103.5E6	164.5E6	45.470	56.870 #
15) B Endosulfa...	6.793	5.934	108.1E6	156.4E6	45.341	55.212
16) A 4,4'-DDD	6.709	5.788	93861457	140.1E6	48.898	56.263
17) MA 4,4'-DDT	7.023	6.038	100.9E6	148.7E6	48.729	55.455
18) B Endrin al...	6.923	6.113	84378079	119.4E6	44.930	51.770
19) B Endosulfa...	7.158	6.337	98200384	144.4E6	45.247	53.554
20) A Methoxychlor	7.499	6.613	54372574	76810420	47.695	53.788
21) B Endrin ke...	7.643	6.842	109.0E6	159.0E6	44.988	51.807
22) Mirex	8.116	7.023	78846652	114.6E6	39.787	43.906

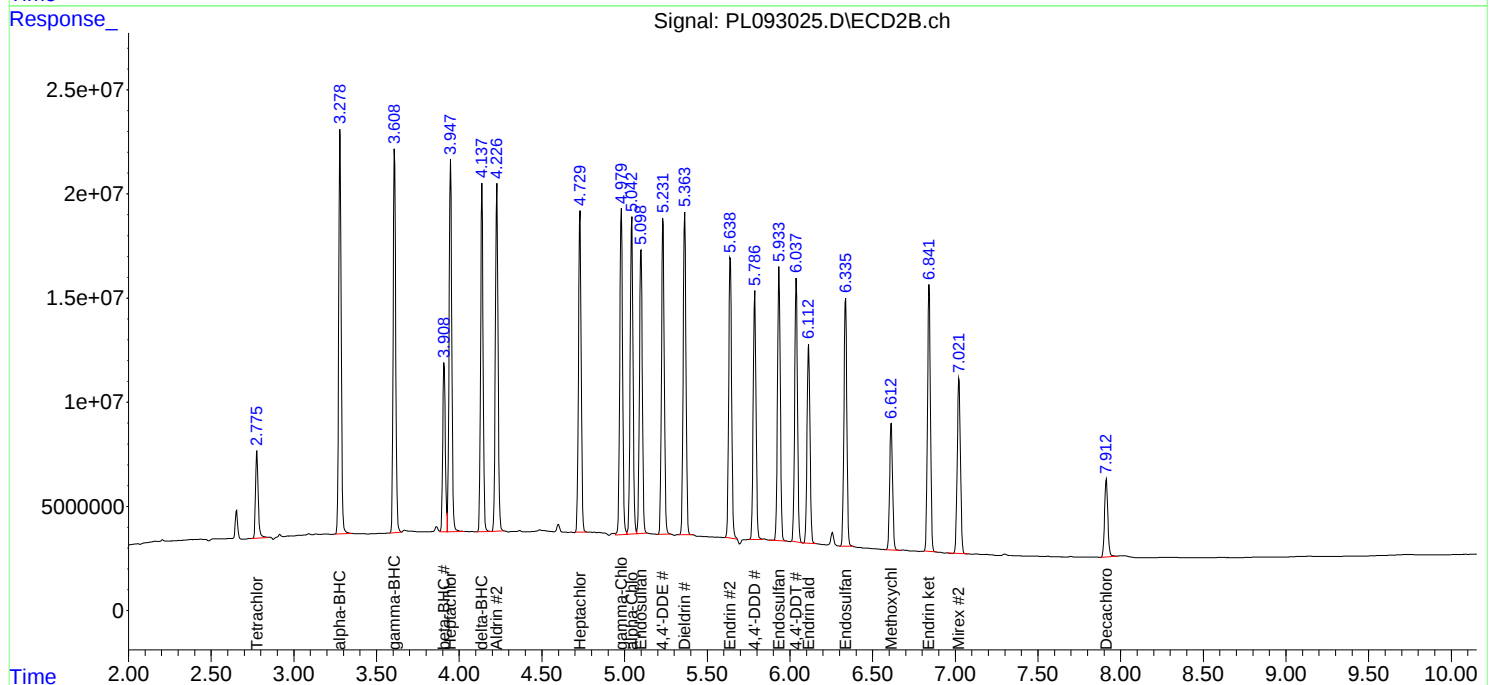
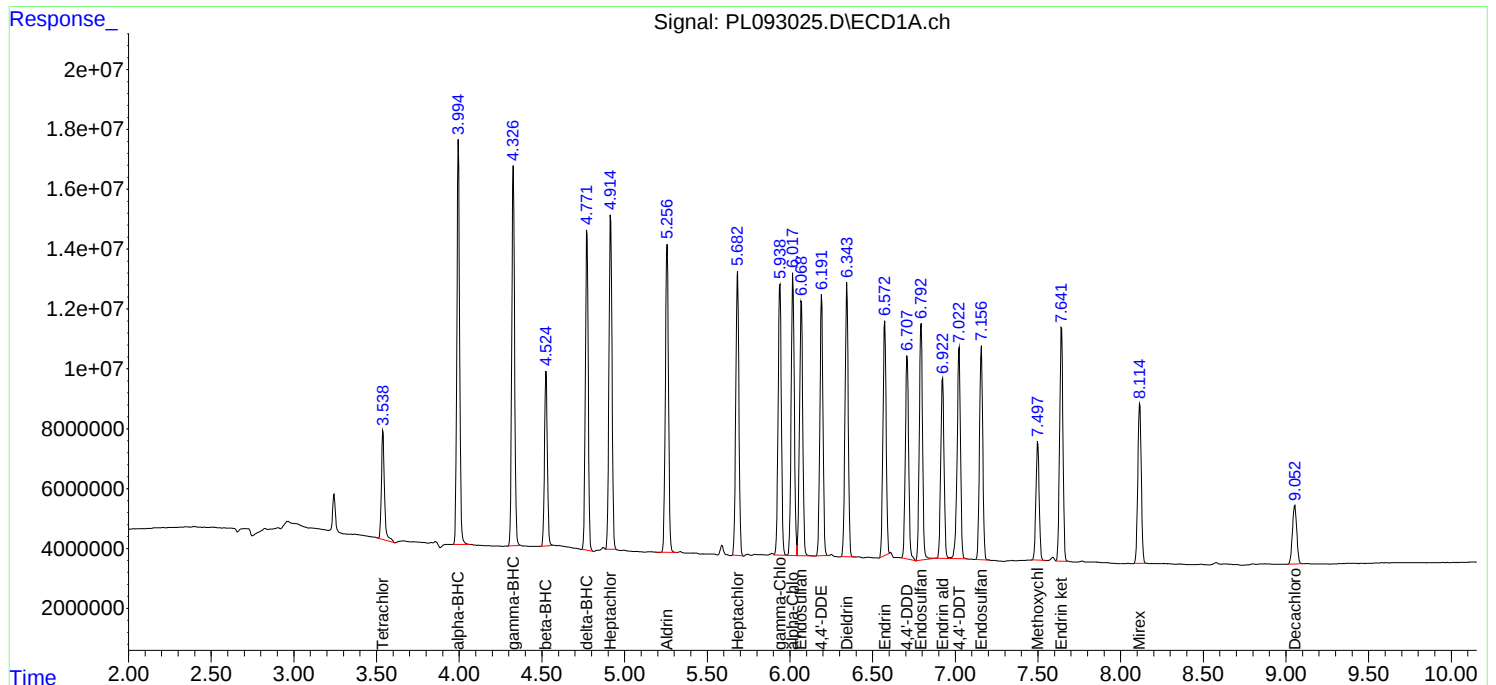
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111324\
Data File : PL093025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 12:49
Operator : AR\AJ
Sample : PB164939BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164939BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 14 00:30:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 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



Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	BP-F-2MS	SDG No.:	P4822
Lab Sample ID:	P4821-05MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	88.6 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
PL093028.D	1	11/13/24 08:40	11/13/24 13:30	PB164939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	19.8		0.20	1.90	ug/kg
319-85-7	beta-BHC	20.7		0.55	1.90	ug/kg
319-86-8	delta-BHC	16.7		0.53	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	19.5		0.21	1.90	ug/kg
76-44-8	Heptachlor	21.0		0.19	1.90	ug/kg
309-00-2	Aldrin	20.4		0.16	1.90	ug/kg
1024-57-3	Heptachlor epoxide	20.6		0.26	1.90	ug/kg
959-98-8	Endosulfan I	21.2		0.19	1.90	ug/kg
60-57-1	Dieldrin	21.0		0.17	1.90	ug/kg
72-55-9	4,4-DDE	21.9		0.15	1.90	ug/kg
72-20-8	Endrin	22.3		0.18	1.90	ug/kg
33213-65-9	Endosulfan II	21.6		0.34	1.90	ug/kg
72-54-8	4,4-DDD	21.6		0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	20.5		0.15	1.90	ug/kg
50-29-3	4,4-DDT	21.9		0.19	1.90	ug/kg
72-43-5	Methoxychlor	21.4		0.43	1.90	ug/kg
53494-70-5	Endrin ketone	20.3		0.25	1.90	ug/kg
7421-93-4	Endrin aldehyde	20.3		0.44	1.90	ug/kg
5103-71-9	alpha-Chlordane	21.6		0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	21.3		0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	37.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.6		30 (10) - 150 (148)	83%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		30 (10) - 150 (159)	86%	SPK: 20

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	BP-F-2MS	SDG No.:	P4822
Lab Sample ID:	P4821-05MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	88.6 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
PL093028.D	1	11/13/24 08:40	11/13/24 13:30	PB164939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PL111324\
 Data File : PL093028.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 13:30
 Operator : AR\AJ
 Sample : P4821-05MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

BP-F-2MS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 14 00:31:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 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...	3.537	2.776	42283222	44356174	17.257m	16.300
28)	SA Decachlor...	9.052	7.913	31942634	44619749	16.597	16.349
Target Compounds							
2)	A alpha-BHC	3.995	3.279	167.2E6	210.6E6	49.301	52.778
3)	MA gamma-BHC...	4.327	3.608	159.2E6	200.0E6	48.856	51.819
4)	MA Heptachlor	4.915	3.947	152.3E6	210.7E6	50.707	55.834
5)	MB Aldrin	5.257	4.227	142.8E6	198.3E6	47.593	54.171
6)	B beta-BHC	4.525	3.908	74230386	90788463	51.354	55.149
7)	B delta-BHC	4.772	4.137	126.3E6	171.1E6	40.357	44.516
8)	B Heptachlo...	5.683	4.730	132.9E6	183.2E6	48.134	54.825
9)	A Endosulfan I	6.068	5.099	122.5E6	172.1E6	48.965	56.359
10)	B gamma-Chl...	5.939	4.978	129.4E6	190.3E6	48.622	56.604m
11)	B alpha-Chl...	6.017	5.043	131.2E6	191.2E6	49.539	57.478
12)	B 4,4'-DDE	6.191	5.232	120.9E6	187.5E6	51.024	58.187
13)	MA Dieldrin	6.343	5.363	129.6E6	186.4E6	49.176	55.812
14)	MA Endrin	6.573	5.639	110.2E6	171.9E6	48.422	59.405
15)	B Endosulfa...	6.793	5.934	119.5E6	162.9E6	50.121	57.495
16)	A 4,4'-DDD	6.707	5.787	97877411	143.0E6	50.990m	57.441
17)	MA 4,4'-DDT	7.020	6.036	105.1E6	156.2E6	50.797m	58.249m
18)	B Endrin al...	6.922	6.112	89773566	124.4E6	47.803m	53.906
19)	B Endosulfa...	7.157	6.335	103.3E6	146.9E6	47.574	54.465
20)	A Methoxychlor	7.498	6.612	58253121	81154257	51.099	56.830
21)	B Endrin ke...	7.642	6.841	119.1E6	166.0E6	49.158	54.080
22)	Mirex	8.115	7.021	88954206	128.7E6	44.888	49.328

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111324\
Data File : PL093028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 13:30
Operator : AR\AJ
Sample : P4821-05MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

BP-F-2MS

Manual Integrations

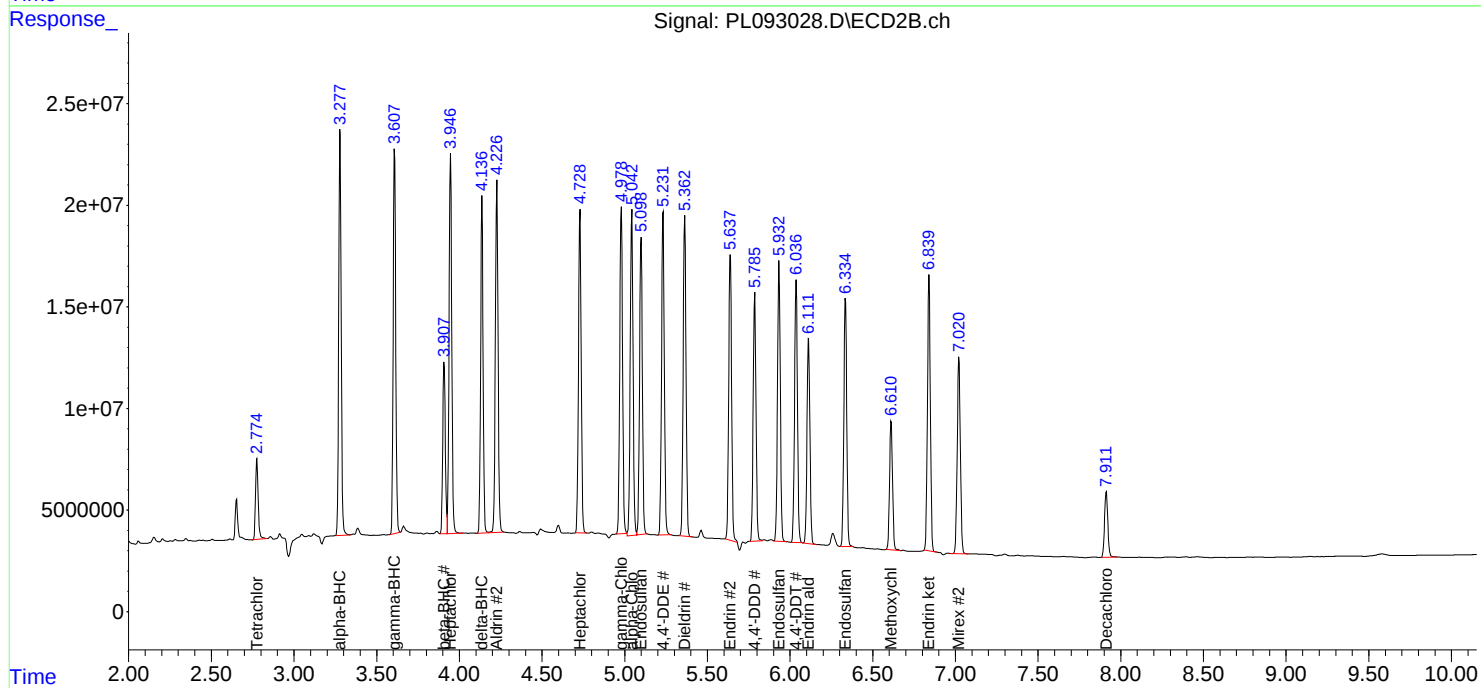
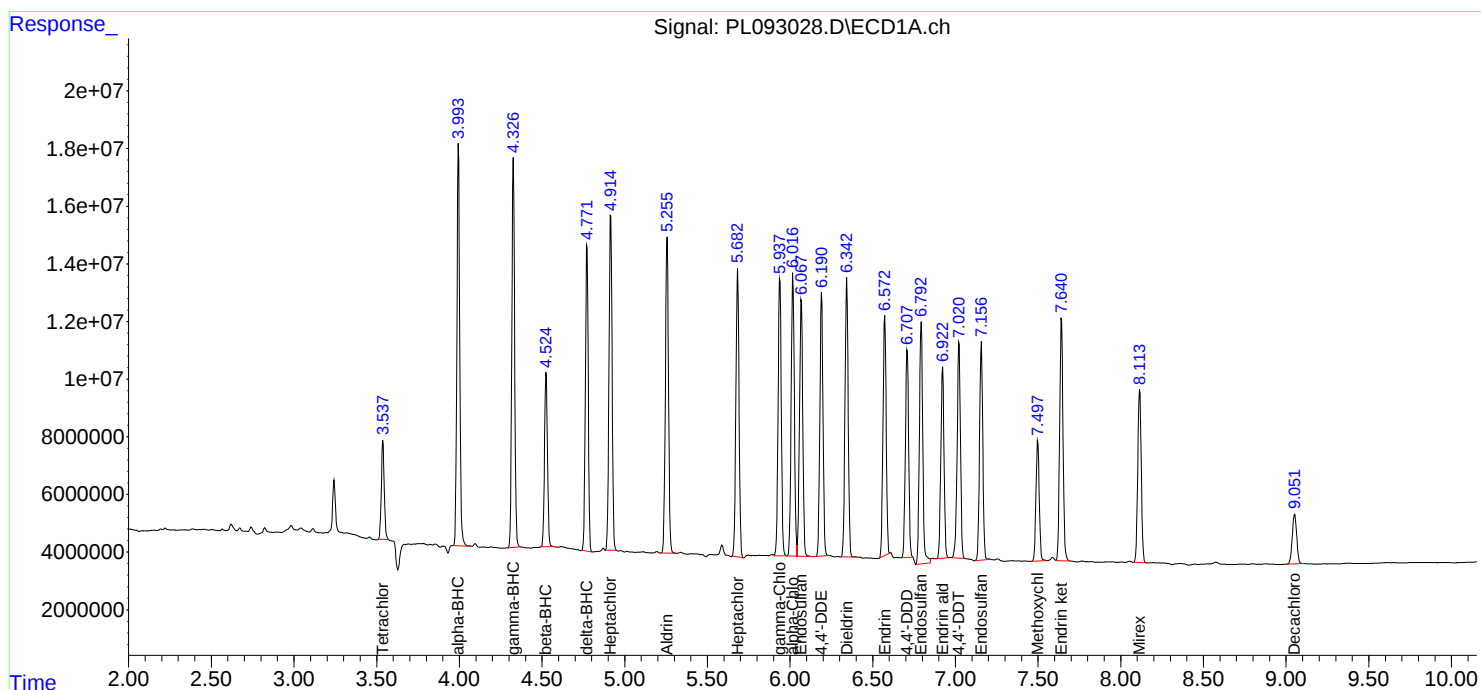
APPROVED

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 14 00:31:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 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



Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	BP-F-2MSD	SDG No.:	P4822
Lab Sample ID:	P4821-05MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	88.6 Decanted:
Sample Wt/Vol:	30.03 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
PL093029.D	1	11/13/24 08:40	11/13/24 13:43	PB164939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	20.1		0.20	1.90	ug/kg
319-85-7	beta-BHC	20.9		0.55	1.90	ug/kg
319-86-8	delta-BHC	16.9		0.53	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	19.8		0.21	1.90	ug/kg
76-44-8	Heptachlor	21.1		0.19	1.90	ug/kg
309-00-2	Aldrin	20.6		0.16	1.90	ug/kg
1024-57-3	Heptachlor epoxide	20.8		0.26	1.90	ug/kg
959-98-8	Endosulfan I	21.3		0.19	1.90	ug/kg
60-57-1	Dieldrin	21.3		0.17	1.90	ug/kg
72-55-9	4,4-DDE	22.1		0.15	1.90	ug/kg
72-20-8	Endrin	22.5		0.18	1.90	ug/kg
33213-65-9	Endosulfan II	21.8		0.34	1.90	ug/kg
72-54-8	4,4-DDD	22.0		0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	20.7		0.15	1.90	ug/kg
50-29-3	4,4-DDT	22.1		0.19	1.90	ug/kg
72-43-5	Methoxychlor	21.5		0.43	1.90	ug/kg
53494-70-5	Endrin ketone	20.9		0.25	1.90	ug/kg
7421-93-4	Endrin aldehyde	20.6		0.44	1.90	ug/kg
5103-71-9	alpha-Chlordane	21.8		0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	21.5		0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	37.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.5		30 (10) - 150 (148)	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.8		30 (10) - 150 (159)	89%	SPK: 20

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	BP-F-2MSD	SDG No.:	P4822
Lab Sample ID:	P4821-05MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	88.6 Decanted:
Sample Wt/Vol:	30.03 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
PL093029.D	1	11/13/24 08:40	11/13/24 13:43	PB164939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PL111324\
 Data File : PL093029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2024 13:43
 Operator : AR\AJ
 Sample : P4821-05MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 BP-F-2MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
 Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 14 00:31:25 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 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...	3.537	2.776	43528119	44784934	17.765m	16.458
28) SA Decachlor...	9.052	7.913	31590377	44919142	16.414	16.458
Target Compounds						
2) A alpha-BHC	3.994	3.278	168.4E6	213.2E6	49.654	53.419
3) MA gamma-BHC...	4.326	3.608	160.2E6	202.9E6	49.159	52.581
4) MA Heptachlor	4.915	3.947	153.4E6	212.2E6	51.084	56.239
5) MB Aldrin	5.256	4.227	144.0E6	201.0E6	47.972	54.901
6) B beta-BHC	4.524	3.908	74554958	91636200	51.579	55.664
7) B delta-BHC	4.771	4.137	127.1E6	172.9E6	40.614	44.992
8) B Heptachlo...	5.682	4.729	134.2E6	185.3E6	48.582	55.444
9) A Endosulfan I	6.067	5.099	124.2E6	173.3E6	49.673	56.777
10) B gamma-Chl...	5.938	4.978	130.9E6	192.7E6	49.201	57.323m
11) B alpha-Chl...	6.017	5.043	133.0E6	193.0E6	50.223	58.040
12) B 4,4'-DDE	6.190	5.232	121.7E6	189.4E6	51.383	58.788
13) MA Dieldrin	6.343	5.363	130.8E6	189.0E6	49.639	56.569
14) MA Endrin	6.572	5.638	110.4E6	173.0E6	48.492	59.810
15) B Endosulfa...	6.792	5.933	116.6E6	164.7E6	48.902	58.134
16) A 4,4'-DDD	6.706	5.786	101.4E6	145.6E6	52.825m	58.465
17) MA 4,4'-DDT	7.022	6.035	107.4E6	157.5E6	51.884	58.718m
18) B Endrin al...	6.922	6.112	91199080	126.2E6	48.562	54.688
19) B Endosulfa...	7.156	6.335	104.2E6	148.8E6	47.989	55.184
20) A Methoxychlor	7.498	6.611	58060724	81517016	50.931	57.084
21) B Endrin ke...	7.641	6.838	120.1E6	170.5E6	49.580	55.571m
22) Mirex	8.114	7.021	88983573	130.1E6	44.903	49.878

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111324\
Data File : PL093029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2024 13:43
Operator : AR\AJ
Sample : P4821-05MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

BP-F-2MSD

Manual Integrations

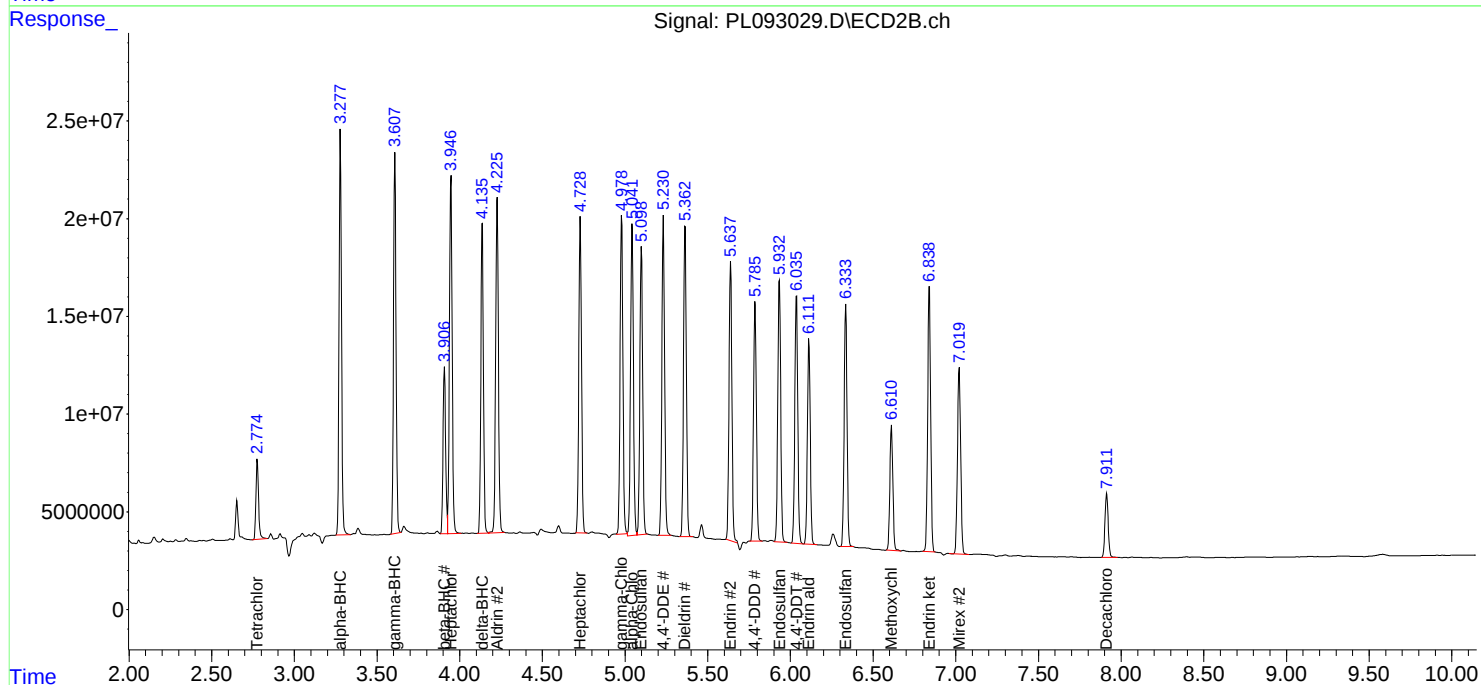
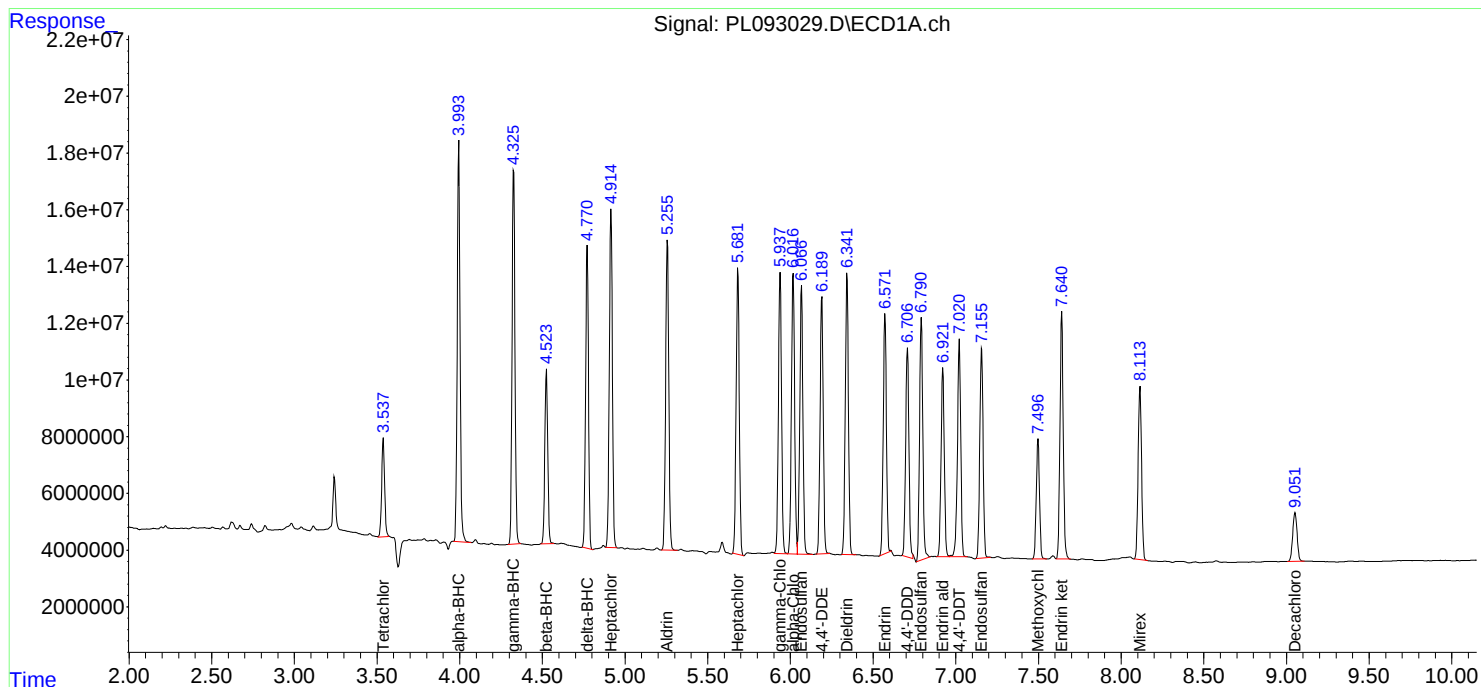
APPROVED

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 14 00:31:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 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



Manual Integration Report

Sequence:	PL102824	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL092653.D	4,4"-DDD	Abdul	10/29/2024 9:08:09 AM	Ankita	10/29/2024 10:01:26	Peak Integrated by Software
PEM	PL092653.D	4,4"-DDD #2	Abdul	10/29/2024 9:08:09 AM	Ankita	10/29/2024 10:01:26	Peak Integrated by Software
PSTDICC005	PL092659.D	delta-BHC	Abdul	10/29/2024 9:08:13 AM	Ankita	10/29/2024 10:01:28	Peak Integrated by Software
PSTDICC005	PL092659.D	Heptachlor epoxide	Abdul	10/29/2024 9:08:13 AM	Ankita	10/29/2024 10:01:28	Peak Integrated by Software
PEM	PL092674.D	4,4"-DDD #2	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PEM	PL092674.D	4,4"-DDE	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PEM	PL092674.D	4,4"-DDE #2	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PEM	PL092674.D	Endrin ketone #2	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PSTDCCC050	PL092675.D	Aldrin	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
PSTDCCC050	PL092675.D	Dieldrin #2	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
PSTDCCC050	PL092675.D	gamma-BHC (Lindane)	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
PSTDCCC050	PL092675.D	Tetrachloro-m-xylene #2	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
I.BLK	PL092690.D	Tetrachloro-m-xylene #2	Abdul	10/29/2024 9:09:28 AM	Ankita	10/29/2024 10:02:09	Peak Integrated by Software

Manual Integration Report

Sequence:	PL102824	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL092691.D	Endosulfan II #2	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software
PSTDCCC050	PL092691.D	gamma-Chlordane	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software
PSTDCCC050	PL092691.D	Heptachlor epoxide	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software
PSTDCCC050	PL092691.D	Mirex #2	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software

Manual Integration Report

Sequence:	PL111324	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093018.D	4,4"-DDD	yogesh	11/14/2024 8:47:08 AM	Ankita	11/14/2024 11:04:44	Peak Integrated by Software
PEM	PL093018.D	Endrin ketone #2	yogesh	11/14/2024 8:47:08 AM	Ankita	11/14/2024 11:04:44	Peak Integrated by Software
PSTDCCC050	PL093019.D	Heptachlor epoxide	yogesh	11/14/2024 8:47:10 AM	Ankita	11/14/2024 11:04:53	Peak Integrated by Software
PB164939BL	PL093024.D	Tetrachloro-m-xylene	yogesh	11/14/2024 8:47:19 AM	Ankita	11/14/2024 11:05:01	Peak Integrated by Software
P4821-05MS	PL093028.D	4,4"-DDD	yogesh	11/14/2024 11:06:37 AM	Ankita	11/14/2024 11:33:11	Peak Integrated by Software
P4821-05MS	PL093028.D	4,4"-DDT	yogesh	11/14/2024 11:06:37 AM	Ankita	11/14/2024 11:33:11	Peak Integrated by Software
P4821-05MS	PL093028.D	4,4"-DDT #2	yogesh	11/14/2024 11:06:37 AM	Ankita	11/14/2024 11:33:11	Peak Integrated by Software
P4821-05MS	PL093028.D	Endrin aldehyde	yogesh	11/14/2024 11:06:37 AM	Ankita	11/14/2024 11:33:11	Peak Integrated by Software
P4821-05MS	PL093028.D	gamma-Chlordane #2	yogesh	11/14/2024 11:06:37 AM	Ankita	11/14/2024 11:33:11	Peak Integrated by Software
P4821-05MS	PL093028.D	Tetrachloro-m-xylene	yogesh	11/14/2024 11:06:37 AM	Ankita	11/14/2024 11:33:11	Peak Integrated by Software
P4821-05MSD	PL093029.D	4,4"-DDD	yogesh	11/14/2024 11:06:38 AM	Ankita	11/14/2024 11:33:12	Peak Integrated by Software
P4821-05MSD	PL093029.D	4,4"-DDT #2	yogesh	11/14/2024 11:06:38 AM	Ankita	11/14/2024 11:33:12	Peak Integrated by Software
P4821-05MSD	PL093029.D	Endrin ketone #2	yogesh	11/14/2024 11:06:38 AM	Ankita	11/14/2024 11:33:12	Peak Integrated by Software

Manual Integration Report

Sequence:

PL111324

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4821-05MSD	PL093029.D	gamma-Chlordane #2	yogesh	11/14/2024 11:06:38 AM	Ankita	11/14/2024 11:33:12	Peak Integrated by Software
P4821-05MSD	PL093029.D	Tetrachloro-m-xylene	yogesh	11/14/2024 11:06:38 AM	Ankita	11/14/2024 11:33:12	Peak Integrated by Software
P4822-02	PL093030.D	4,4"-DDT #2	yogesh	11/14/2024 8:47:26 AM	Ankita	11/14/2024 11:05:06	Peak Integrated by Software
P4822-02	PL093030.D	alpha-Chlordane #2	yogesh	11/14/2024 8:47:26 AM	Ankita	11/14/2024 11:05:06	Peak Integrated by Software
P4822-02	PL093030.D	Dieldrin #2	yogesh	11/14/2024 8:47:26 AM	Ankita	11/14/2024 11:05:06	Peak Integrated by Software
P4822-02	PL093030.D	Endrin	yogesh	11/14/2024 8:47:26 AM	Ankita	11/14/2024 11:05:06	Peak Integrated by Software
P4822-02	PL093030.D	Endrin #2	yogesh	11/14/2024 8:47:26 AM	Ankita	11/14/2024 11:05:06	Peak Integrated by Software
P4822-04	PL093031.D	4,4"-DDT #2	yogesh	11/14/2024 11:06:41 AM	Ankita	11/14/2024 11:33:14	Peak Integrated by Software
P4822-04	PL093031.D	alpha-Chlordane #2	yogesh	11/14/2024 11:06:41 AM	Ankita	11/14/2024 11:33:14	Peak Integrated by Software
P4822-04	PL093031.D	Dieldrin	yogesh	11/14/2024 11:06:41 AM	Ankita	11/14/2024 11:33:14	Peak Integrated by Software
P4822-04	PL093031.D	Dieldrin #2	yogesh	11/14/2024 11:06:41 AM	Ankita	11/14/2024 11:33:14	Peak Integrated by Software
P4822-04	PL093031.D	Endrin #2	yogesh	11/14/2024 11:06:41 AM	Ankita	11/14/2024 11:33:14	Peak Integrated by Software
P4822-06	PL093032.D	4,4"-DDE #2	yogesh	11/14/2024 11:06:44 AM	Ankita	11/14/2024 11:33:15	Peak Integrated by Software

Manual Integration Report

Sequence:	PL111324	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4822-06	PL093032.D	4,4"-DDT #2	yogesh	11/14/2024 11:06:44 AM	Ankita	11/14/2024 11:33:15	Peak Integrated by Software
P4822-06	PL093032.D	alpha-Chlordane #2	yogesh	11/14/2024 11:06:44 AM	Ankita	11/14/2024 11:33:15	Peak Integrated by Software
P4822-06	PL093032.D	Dieldrin	yogesh	11/14/2024 11:06:44 AM	Ankita	11/14/2024 11:33:15	Peak Integrated by Software
P4822-06	PL093032.D	Dieldrin #2	yogesh	11/14/2024 11:06:44 AM	Ankita	11/14/2024 11:33:15	Peak Integrated by Software
P4822-06	PL093032.D	Endrin #2	yogesh	11/14/2024 11:06:44 AM	Ankita	11/14/2024 11:33:15	Peak Integrated by Software
P4822-08	PL093033.D	4,4"-DDE	yogesh	11/14/2024 11:06:43 AM	Ankita	11/14/2024 11:33:16	Peak Integrated by Software
P4822-08	PL093033.D	4,4"-DDT #2	yogesh	11/14/2024 11:06:43 AM	Ankita	11/14/2024 11:33:16	Peak Integrated by Software
P4822-08	PL093033.D	alpha-Chlordane #2	yogesh	11/14/2024 11:06:43 AM	Ankita	11/14/2024 11:33:16	Peak Integrated by Software
P4822-08	PL093033.D	Dieldrin	yogesh	11/14/2024 11:06:43 AM	Ankita	11/14/2024 11:33:16	Peak Integrated by Software
P4822-08	PL093033.D	Dieldrin #2	yogesh	11/14/2024 11:06:43 AM	Ankita	11/14/2024 11:33:16	Peak Integrated by Software
P4822-08	PL093033.D	Endrin	yogesh	11/14/2024 11:06:43 AM	Ankita	11/14/2024 11:33:16	Peak Integrated by Software
P4822-08	PL093033.D	Endrin #2	yogesh	11/14/2024 11:06:43 AM	Ankita	11/14/2024 11:33:16	Peak Integrated by Software
P4822-10	PL093034.D	4,4"-DDT #2	yogesh	11/14/2024 11:06:44 AM	Ankita	11/14/2024 11:33:18	Peak Integrated by Software

Manual Integration Report

Sequence:

PL111324

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4822-10	PL093034.D	alpha-Chlordane #2	yogesh	11/14/2024 11:06:44 AM	Ankita	11/14/2024 11:33:18	Peak Integrated by Software
P4822-10	PL093034.D	Dieldrin	yogesh	11/14/2024 11:06:44 AM	Ankita	11/14/2024 11:33:18	Peak Integrated by Software
P4822-10	PL093034.D	Endosulfan Sulfate	yogesh	11/14/2024 11:06:44 AM	Ankita	11/14/2024 11:33:18	Peak Integrated by Software
P4822-10	PL093034.D	Endosulfan Sulfate #2	yogesh	11/14/2024 11:06:44 AM	Ankita	11/14/2024 11:33:18	Peak Integrated by Software
P4822-10	PL093034.D	Endrin #2	yogesh	11/14/2024 11:06:44 AM	Ankita	11/14/2024 11:33:18	Peak Integrated by Software
P4822-10	PL093034.D	gamma-Chlordane	yogesh	11/14/2024 11:06:44 AM	Ankita	11/14/2024 11:33:18	Peak Integrated by Software
P4822-10	PL093034.D	gamma-Chlordane #2	yogesh	11/14/2024 11:06:44 AM	Ankita	11/14/2024 11:33:18	Peak Integrated by Software
P4822-10	PL093034.D	Mirex #2	yogesh	11/14/2024 11:06:44 AM	Ankita	11/14/2024 11:33:18	Peak Integrated by Software
P4822-12	PL093035.D	4,4"-DDE #2	yogesh	11/14/2024 11:06:46 AM	Ankita	11/14/2024 11:33:20	Peak Integrated by Software
P4822-12	PL093035.D	4,4"-DDT #2	yogesh	11/14/2024 11:06:46 AM	Ankita	11/14/2024 11:33:20	Peak Integrated by Software
P4822-12	PL093035.D	alpha-Chlordane #2	yogesh	11/14/2024 11:06:46 AM	Ankita	11/14/2024 11:33:20	Peak Integrated by Software
P4822-12	PL093035.D	Dieldrin #2	yogesh	11/14/2024 11:06:46 AM	Ankita	11/14/2024 11:33:20	Peak Integrated by Software
P4822-12	PL093035.D	Endrin	yogesh	11/14/2024 11:06:46 AM	Ankita	11/14/2024 11:33:20	Peak Integrated by Software

Manual Integration Report

Sequence:	PL111324	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4822-12	PL093035.D	Endrin #2	yogesh	11/14/2024 11:06:46 AM	Ankita	11/14/2024 11:33:20	Peak Integrated by Software
P4822-12	PL093035.D	gamma-Chlordane	yogesh	11/14/2024 11:06:46 AM	Ankita	11/14/2024 11:33:20	Peak Integrated by Software
P4822-12	PL093035.D	gamma-Chlordane #2	yogesh	11/14/2024 11:06:46 AM	Ankita	11/14/2024 11:33:20	Peak Integrated by Software
PSTDCCC050	PL093039.D	Endosulfan II #2	yogesh	11/14/2024 8:47:40 AM	Ankita	11/14/2024 11:05:11	Peak Integrated by Software
PSTDCCC050	PL093039.D	Endrin ketone #2	yogesh	11/14/2024 8:47:40 AM	Ankita	11/14/2024 11:05:11	Peak Integrated by Software
PSTDCCC050	PL093039.D	Heptachlor epoxide	yogesh	11/14/2024 8:47:40 AM	Ankita	11/14/2024 11:05:11	Peak Integrated by Software
PSTDCCC050	PL093039.D	Heptachlor epoxide #2	yogesh	11/14/2024 8:47:40 AM	Ankita	11/14/2024 11:05:11	Peak Integrated by Software
PSTDCCC050	PL093039.D	Mirex #2	yogesh	11/14/2024 8:47:40 AM	Ankita	11/14/2024 11:05:11	Peak Integrated by Software
PSTDCCC050	PL093051.D	4,4"-DDT #2	yogesh	11/14/2024 8:47:59 AM	Ankita	11/14/2024 11:05:43	Peak Integrated by Software
PSTDCCC050	PL093051.D	Decachlorobiphenyl #2	yogesh	11/14/2024 8:47:59 AM	Ankita	11/14/2024 11:05:43	Peak Integrated by Software
PSTDCCC050	PL093051.D	Endosulfan II #2	yogesh	11/14/2024 8:47:59 AM	Ankita	11/14/2024 11:05:43	Peak Integrated by Software
PSTDCCC050	PL093051.D	gamma-Chlordane	yogesh	11/14/2024 8:47:59 AM	Ankita	11/14/2024 11:05:43	Peak Integrated by Software
PSTDCCC050	PL093051.D	Heptachlor epoxide	yogesh	11/14/2024 8:47:59 AM	Ankita	11/14/2024 11:05:43	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PL111324

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL093051.D	Heptachlor epoxide #2	yogesh	11/14/2024 8:47:59 AM	Ankita	11/14/2024 11:05:43	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM
SubDirectory	PL102824	HP Acquire Method	HP Processing Method pl102824 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	PL092651.D	28 Oct 2024 13:41	AR\AJ	Ok
2	I.BLK	PL092652.D	28 Oct 2024 13:55	AR\AJ	Ok
3	PEM	PL092653.D	28 Oct 2024 14:16	AR\AJ	Ok,M
4	RESCHK	PL092654.D	28 Oct 2024 14:29	AR\AJ	Ok
5	PSTDICC100	PL092655.D	28 Oct 2024 14:43	AR\AJ	Ok
6	PSTDICC075	PL092656.D	28 Oct 2024 14:56	AR\AJ	Ok
7	PSTDICC050	PL092657.D	28 Oct 2024 15:09	AR\AJ	Ok
8	PSTDICC025	PL092658.D	28 Oct 2024 15:23	AR\AJ	Ok
9	PSTDICC005	PL092659.D	28 Oct 2024 15:36	AR\AJ	Ok,M
10	PCHLORICC1000	PL092660.D	28 Oct 2024 15:49	AR\AJ	Ok
11	PCHLORICC750	PL092661.D	28 Oct 2024 16:03	AR\AJ	Ok
12	PCHLORICC500	PL092662.D	28 Oct 2024 16:16	AR\AJ	Ok
13	PCHLORICC250	PL092663.D	28 Oct 2024 16:30	AR\AJ	Ok
14	PCHLORICC050	PL092664.D	28 Oct 2024 16:43	AR\AJ	Ok
15	PTOXICC1000	PL092665.D	28 Oct 2024 16:56	AR\AJ	Ok
16	PTOXICC750	PL092666.D	28 Oct 2024 17:10	AR\AJ	Ok
17	PTOXICC500	PL092667.D	28 Oct 2024 17:23	AR\AJ	Ok
18	PTOXICC250	PL092668.D	28 Oct 2024 17:37	AR\AJ	Ok
19	PTOXICC100	PL092669.D	28 Oct 2024 17:50	AR\AJ	Ok,M
20	PSTDICV050	PL092670.D	28 Oct 2024 18:03	AR\AJ	Ok
21	PCHLORICV500	PL092671.D	28 Oct 2024 18:30	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM
SubDirectory	PL102824	HP Acquire Method	HP Processing Method pl102824 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	PTOXICV500	PL092672.D	28 Oct 2024 18:57	AR\AJ	Ok
23	I.BLK	PL092673.D	28 Oct 2024 19:24	AR\AJ	Ok
24	PEM	PL092674.D	28 Oct 2024 19:37	AR\AJ	Ok,M
25	PSTDCCC050	PL092675.D	28 Oct 2024 19:51	AR\AJ	Ok,M
26	PB164460BL	PL092676.D	28 Oct 2024 20:04	AR\AJ	Ok,M
27	PB164460BS	PL092677.D	28 Oct 2024 20:17	AR\AJ	Ok,M
28	P4575-01	PL092678.D	28 Oct 2024 20:31	AR\AJ	Ok,M
29	P4566-01	PL092679.D	28 Oct 2024 20:44	AR\AJ	Ok,M
30	P4567-01	PL092680.D	28 Oct 2024 20:57	AR\AJ	Ok,M
31	P4567-05	PL092681.D	28 Oct 2024 21:11	AR\AJ	Ok
32	P4567-09	PL092682.D	28 Oct 2024 21:24	AR\AJ	Ok,M
33	P4574-01	PL092683.D	28 Oct 2024 21:38	AR\AJ	Ok,M
34	P4574-04	PL092684.D	28 Oct 2024 21:51	AR\AJ	Ok,M
35	P4577-01	PL092685.D	28 Oct 2024 22:04	AR\AJ	Ok,M
36	P4561-01	PL092686.D	28 Oct 2024 22:18	AR\AJ	Ok,M
37	P4561-01MS	PL092687.D	28 Oct 2024 22:31	AR\AJ	Ok,M
38	P4561-01MSD	PL092688.D	28 Oct 2024 22:44	AR\AJ	Ok,M
39	P4561-05	PL092689.D	28 Oct 2024 22:58	AR\AJ	Ok,M
40	I.BLK	PL092690.D	28 Oct 2024 23:11	AR\AJ	Ok,M
41	PSTDCCC050	PL092691.D	29 Oct 2024 00:32	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL111324

Review By	yogesh	Review On	11/14/2024 11:07:04 AM
Supervise By	Ankita	Supervise On	11/14/2024 11:33:26 AM
SubDirectory	PL111324	HP Acquire Method	HP Processing Method PL102824
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	PL093016.D	13 Nov 2024 08:25	AR\AJ	Ok
2	I.BLK	PL093017.D	13 Nov 2024 08:39	AR\AJ	Ok
3	PEM	PL093018.D	13 Nov 2024 08:52	AR\AJ	Ok,M
4	PSTDCCC050	PL093019.D	13 Nov 2024 09:06	AR\AJ	Ok,M
5	P4791-02RE	PL093020.D	13 Nov 2024 11:13	AR\AJ	Confirms
6	P4793-01	PL093021.D	13 Nov 2024 11:27	AR\AJ	Ok,M
7	P4807-05	PL093022.D	13 Nov 2024 11:40	AR\AJ	Ok,M
8	P4811-01	PL093023.D	13 Nov 2024 11:54	AR\AJ	Ok,M
9	PB164939BL	PL093024.D	13 Nov 2024 12:22	AR\AJ	Ok,M
10	PB164939BS	PL093025.D	13 Nov 2024 12:49	AR\AJ	Ok
11	P4821-01	PL093026.D	13 Nov 2024 13:02	AR\AJ	Ok,M
12	P4821-05	PL093027.D	13 Nov 2024 13:16	AR\AJ	Ok,M
13	P4821-05MS	PL093028.D	13 Nov 2024 13:30	AR\AJ	Ok,M
14	P4821-05MSD	PL093029.D	13 Nov 2024 13:43	AR\AJ	Ok,M
15	P4822-02	PL093030.D	13 Nov 2024 13:57	AR\AJ	Ok,M
16	P4822-04	PL093031.D	13 Nov 2024 14:10	AR\AJ	Ok,M
17	P4822-06	PL093032.D	13 Nov 2024 14:24	AR\AJ	Ok,M
18	P4822-08	PL093033.D	13 Nov 2024 14:37	AR\AJ	Ok,M
19	P4822-10	PL093034.D	13 Nov 2024 14:51	AR\AJ	Ok,M
20	P4822-12	PL093035.D	13 Nov 2024 15:04	AR\AJ	Ok,M
21	P4823-01	PL093036.D	13 Nov 2024 15:18	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL111324

Review By	yogesh	Review On	11/14/2024 11:07:04 AM
Supervise By	Ankita	Supervise On	11/14/2024 11:33:26 AM
SubDirectory	PL111324	HP Acquire Method	HP Processing Method PL102824
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	PB164939BS	PL093037.D	13 Nov 2024 15:32	AR\AJ	Not Ok
23	I.BLK	PL093038.D	13 Nov 2024 15:45	AR\AJ	Ok
24	PSTDCCC050	PL093039.D	13 Nov 2024 15:59	AR\AJ	Ok,M
25	PB164960BL	PL093040.D	13 Nov 2024 17:01	AR\AJ	Ok
26	PB164960BS	PL093041.D	13 Nov 2024 17:15	AR\AJ	Ok,M
27	PB164880TB	PL093042.D	13 Nov 2024 17:28	AR\AJ	Ok
28	P4799-03	PL093043.D	13 Nov 2024 17:42	AR\AJ	Ok,M
29	P4799-03MS	PL093044.D	13 Nov 2024 17:56	AR\AJ	Ok,M
30	P4799-03MSD	PL093045.D	13 Nov 2024 18:09	AR\AJ	Ok,M
31	P4799-07	PL093046.D	13 Nov 2024 18:23	AR\AJ	Ok,M
32	P4799-11	PL093047.D	13 Nov 2024 18:36	AR\AJ	Ok,M
33	P4799-15	PL093048.D	13 Nov 2024 18:50	AR\AJ	Ok,M
34	P4799-19	PL093049.D	13 Nov 2024 19:03	AR\AJ	Ok,M
35	I.BLK	PL093050.D	13 Nov 2024 19:17	AR\AJ	Ok
36	PSTDCCC050	PL093051.D	13 Nov 2024 19:30	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM
SubDirectory	PL102824	HP Acquire Method	HP Processing Method pl102824 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#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092651.D	28 Oct 2024 13:41		AR\AJ	Ok
2	I.BLK	I.BLK	PL092652.D	28 Oct 2024 13:55		AR\AJ	Ok
3	PEM	PEM	PL092653.D	28 Oct 2024 14:16		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL092654.D	28 Oct 2024 14:29		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL092655.D	28 Oct 2024 14:43		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL092656.D	28 Oct 2024 14:56		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL092657.D	28 Oct 2024 15:09		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL092658.D	28 Oct 2024 15:23		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL092659.D	28 Oct 2024 15:36		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL092660.D	28 Oct 2024 15:49		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL092661.D	28 Oct 2024 16:03		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL092662.D	28 Oct 2024 16:16		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL092663.D	28 Oct 2024 16:30		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL092664.D	28 Oct 2024 16:43		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL092665.D	28 Oct 2024 16:56		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL092666.D	28 Oct 2024 17:10		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL092667.D	28 Oct 2024 17:23		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL092668.D	28 Oct 2024 17:37		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM
SubDirectory	PL102824	HP Acquire Method	HP Processing Method
			pl102824 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	PTOXICC100	PTOXICC100	PL092669.D	28 Oct 2024 17:50		AR\AJ	Ok,M
20	PSTDICV050	ICVPL102824	PL092670.D	28 Oct 2024 18:03		AR\AJ	Ok
21	PCHLORICV500	ICVPL102824CHLOR	PL092671.D	28 Oct 2024 18:30		AR\AJ	Ok
22	PTOXICV500	ICVPL102824TOX	PL092672.D	28 Oct 2024 18:57		AR\AJ	Ok
23	I.BLK	I.BLK	PL092673.D	28 Oct 2024 19:24		AR\AJ	Ok
24	PEM	PEM	PL092674.D	28 Oct 2024 19:37		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL092675.D	28 Oct 2024 19:51		AR\AJ	Ok,M
26	PB164460BL	PB164460BL	PL092676.D	28 Oct 2024 20:04		AR\AJ	Ok,M
27	PB164460BS	PB164460BS	PL092677.D	28 Oct 2024 20:17		AR\AJ	Ok,M
28	P4575-01	PL-02-102424	PL092678.D	28 Oct 2024 20:31		AR\AJ	Ok,M
29	P4566-01	HD-01-102524	PL092679.D	28 Oct 2024 20:44		AR\AJ	Ok,M
30	P4567-01	WC-1	PL092680.D	28 Oct 2024 20:57		AR\AJ	Ok,M
31	P4567-05	WC-2	PL092681.D	28 Oct 2024 21:11		AR\AJ	Ok
32	P4567-09	WC-3	PL092682.D	28 Oct 2024 21:24		AR\AJ	Ok,M
33	P4574-01	GRAVEL-1	PL092683.D	28 Oct 2024 21:38		AR\AJ	Ok,M
34	P4574-04	GRAVEL-2	PL092684.D	28 Oct 2024 21:51		AR\AJ	Ok,M
35	P4577-01	TR-05-102524	PL092685.D	28 Oct 2024 22:04		AR\AJ	Ok,M
36	P4561-01	BP-F-19	PL092686.D	28 Oct 2024 22:18		AR\AJ	Ok,M
37	P4561-01MS	BP-F-19MS	PL092687.D	28 Oct 2024 22:31		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM
SubDirectory	PL102824	HP Acquire Method	HP Processing Method pl102824 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	P4561-01MSD	BP-F-19MSD	PL092688.D	28 Oct 2024 22:44		AR\AJ	Ok,M
39	P4561-05	BP-F-18	PL092689.D	28 Oct 2024 22:58		AR\AJ	Ok,M
40	I.BLK	I.BLK	PL092690.D	28 Oct 2024 23:11		AR\AJ	Ok,M
41	PSTDCCC050	PSTDCCC050	PL092691.D	29 Oct 2024 00:32		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL111324

Review By	yogesh	Review On	11/14/2024 11:07:04 AM
Supervise By	Ankita	Supervise On	11/14/2024 11:33:26 AM
SubDirectory	PL111324	HP Acquire Method	HP Processing Method PL102824
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	PL093016.D	13 Nov 2024 08:25		AR\AJ	Ok
2	I.BLK	I.BLK	PL093017.D	13 Nov 2024 08:39		AR\AJ	Ok
3	PEM	PEM	PL093018.D	13 Nov 2024 08:52		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL093019.D	13 Nov 2024 09:06		AR\AJ	Ok,M
5	P4791-02RE	HINCHMAN-OILY-WAT	PL093020.D	13 Nov 2024 11:13	TCMZ fail both column	AR\AJ	Confirms
6	P4793-01	M00-24-00345	PL093021.D	13 Nov 2024 11:27	F flag is coming in surrogate	AR\AJ	Ok,M
7	P4807-05	BF-F14	PL093022.D	13 Nov 2024 11:40		AR\AJ	Ok,M
8	P4811-01	RB24008	PL093023.D	13 Nov 2024 11:54		AR\AJ	Ok,M
9	PB164939BL	PB164939BL	PL093024.D	13 Nov 2024 12:22		AR\AJ	Ok,M
10	PB164939BS	PB164939BS	PL093025.D	13 Nov 2024 12:49		AR\AJ	Ok
11	P4821-01	BP-F-24	PL093026.D	13 Nov 2024 13:02		AR\AJ	Ok,M
12	P4821-05	BP-F-2	PL093027.D	13 Nov 2024 13:16		AR\AJ	Ok,M
13	P4821-05MS	BP-F-2MS	PL093028.D	13 Nov 2024 13:30		AR\AJ	Ok,M
14	P4821-05MSD	BP-F-2MSD	PL093029.D	13 Nov 2024 13:43		AR\AJ	Ok,M
15	P4822-02	SOIL-1	PL093030.D	13 Nov 2024 13:57		AR\AJ	Ok,M
16	P4822-04	SOIL-2	PL093031.D	13 Nov 2024 14:10		AR\AJ	Ok,M
17	P4822-06	SOIL-3	PL093032.D	13 Nov 2024 14:24		AR\AJ	Ok,M
18	P4822-08	SOIL-4	PL093033.D	13 Nov 2024 14:37		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL111324

Review By	yogesh	Review On	11/14/2024 11:07:04 AM
Supervise By	Ankita	Supervise On	11/14/2024 11:33:26 AM
SubDirectory	PL111324	HP Acquire Method	HP Processing Method PL102824
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	P4822-10	SOIL-5	PL093034.D	13 Nov 2024 14:51		AR\AJ	Ok,M
20	P4822-12	SOIL-6	PL093035.D	13 Nov 2024 15:04		AR\AJ	Ok,M
21	P4823-01	MH-4	PL093036.D	13 Nov 2024 15:18		AR\AJ	Ok,M
22	PB164939BS	PB164939BS	PL093037.D	13 Nov 2024 15:32	already analyzed	AR\AJ	Not Ok
23	I.BLK	I.BLK	PL093038.D	13 Nov 2024 15:45		AR\AJ	Ok
24	PSTDCCC050	PSTDCCC050	PL093039.D	13 Nov 2024 15:59		AR\AJ	Ok,M
25	PB164960BL	PB164960BL	PL093040.D	13 Nov 2024 17:01		AR\AJ	Ok
26	PB164960BS	PB164960BS	PL093041.D	13 Nov 2024 17:15	Methoxychlor recovery high	AR\AJ	Ok,M
27	PB164880TB	PB164880TB	PL093042.D	13 Nov 2024 17:28		AR\AJ	Ok
28	P4799-03	WC-TA2-02-C	PL093043.D	13 Nov 2024 17:42		AR\AJ	Ok,M
29	P4799-03MS	WC-TA2-02-CMS	PL093044.D	13 Nov 2024 17:56	recovery fail in Heptachlor-I	AR\AJ	Ok,M
30	P4799-03MSD	WC-TA2-02-CMSD	PL093045.D	13 Nov 2024 18:09	recovery fail in Heptachlor-I	AR\AJ	Ok,M
31	P4799-07	WC-TA2-03-C	PL093046.D	13 Nov 2024 18:23		AR\AJ	Ok,M
32	P4799-11	WC-TA1-01-C	PL093047.D	13 Nov 2024 18:36		AR\AJ	Ok,M
33	P4799-15	WC-TA1-02-C	PL093048.D	13 Nov 2024 18:50		AR\AJ	Ok,M
34	P4799-19	WC-TA1-03-C	PL093049.D	13 Nov 2024 19:03		AR\AJ	Ok,M
35	I.BLK	I.BLK	PL093050.D	13 Nov 2024 19:17		AR\AJ	Ok
36	PSTDCCC050	PSTDCCC050	PL093051.D	13 Nov 2024 19:30		AR\AJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/13/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:45
In Date: 11/12/2024
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: 11/13/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133408

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
P4810-01	WASTE	1	1.15	8.80	9.95	8.23	80.5	
P4810-02	VOC	2	1.15	8.82	9.97	8.65	85.0	
P4810-03	1	3	1.15	8.43	9.58	7.84	79.4	
P4810-04	2	4	1.16	8.80	9.96	8.41	82.4	
P4810-05	3	5	1.16	8.51	9.67	8.17	82.4	
P4810-06	4	6	1.15	8.82	9.97	8.46	82.9	
P4810-07	5	7	1.16	8.45	9.61	8.2	83.3	
P4820-01	CO-SIAC-20	8	1.18	8.42	9.6	9.41	97.7	
P4821-01	BP-F-24	9	1.19	8.57	9.76	8.77	88.4	
P4821-02	BP-F-24-EPH	10	1.15	8.52	9.67	8.62	87.7	
P4821-03	BP-F-24-VOC	11	1.12	8.76	9.88	8.83	88.0	
P4821-05	BP-F-2	12	1.16	8.51	9.67	8.7	88.6	
P4821-06	BP-F-2-EPH	13	1.15	8.81	9.96	9.28	92.3	
P4821-07	BP-F-2-VOC	14	1.12	8.75	9.87	8.77	87.4	
P4822-01	SOIL-1	18	1.16	8.48	9.64	9.14	94.1	
P4822-02	SOIL-1	19	1.15	8.50	9.65	9.00	92.4	
P4822-03	SOIL-2	20	1.18	8.57	9.75	9.05	91.8	
P4822-04	SOIL-2	21	1.15	8.74	9.89	8.99	89.7	
P4822-05	SOIL-3	22	1.13	8.39	9.52	8.89	92.5	
P4822-06	SOIL-3	23	1.16	8.69	9.85	9.1	91.4	
P4822-07	SOIL-4	24	1.17	8.50	9.67	9.12	93.5	
P4822-08	SOIL-4	25	1.14	8.62	9.76	9.15	92.9	
P4822-09	SOIL-5	26	1.11	8.77	9.88	8.91	88.9	
P4822-10	SOIL-5	27	1.16	8.63	9.79	9.06	91.5	
P4822-11	SOIL-6	28	1.17	8.60	9.77	8.71	87.7	
P4822-12	SOIL-6	29	1.13	8.70	9.83	9.07	91.3	
P4823-01	MH-4	15	1.15	8.64	9.79	8.86	89.2	
P4823-02	MH-4-EPH	16	1.17	8.54	9.71	8.88	90.3	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/13/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:45
In Date: 11/12/2024
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: 11/13/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133408

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
P4823-03	MH-4-VOC	17	1.17	8.58	9.75	8.72	88.0	

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

WORKLIST(Hardcopy Internal Chain)

JB133408

WorkList Name : %1-111224

WorkList ID : 185348

Department : Wet-Chemistry

Date : 11-12-2024 08:02:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4810-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4820-01	CO-SIAC-20	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4821-01	BP-F-24	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/12/2024	Chemtech -SO
P4821-02	BP-F-24-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4821-03	BP-F-24-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4821-05	BP-F-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4821-06	BP-F-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4821-07	BP-F-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4822-01	SOIL-1	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-02	SOIL-1	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-03	SOIL-2	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-04	SOIL-2	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-05	SOIL-3	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-06	SOIL-3	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-07	SOIL-4	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO

Date/Time 11-12-24 15:35

Raw Sample Received by: JB WLC

Raw Sample Relinquished by: JB WLC

Date/Time 11-12-24

Raw Sample Received by: JB WLC

Raw Sample Relinquished by: JB WLC

WORKLIST(Hardcopy Internal Chain)

1333408

WorkList Name : %1-111224

WorkList ID : 185348

Department : Wet-Chemistry

Date : 11-12-2024 08:02:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4822-08	SOIL-4	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-09	SOIL-5	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-10	SOIL-5	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-11	SOIL-6	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-12	SOIL-6	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4823-01	MH-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/12/2024	Chemtech -SO
P4823-02	MH-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/12/2024	Chemtech -SO
P4823-03	MH-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/12/2024	Chemtech -SO

Date/Time 11-12-24 15:35
Raw Sample Received by: SS WOL
Raw Sample Relinquished by: BS CETA- (CCH)

Date/Time 11-12-24 17:00
Raw Sample Received by: BS CETA- (CCH)
Raw Sample Relinquished by: SS WOL

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil

Matrix: Solid

Welgh By: RJ

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 11/13/2024

Extraction Start Time: 08:40

Extraction End Date: 11/13/2024

Extraction End Time: 11:40

Concentration By: EH

Supervisor By: rajesh

Extraction Method: ☐ Seperatory Funnel

☐ Continious Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP23928
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	EP2557
Sand	N/A	E2865
Hexane	N/A	E3826
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/13/24	RP (Set Lab)	AJL/EST PCA Lab
11:45	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/13/2024

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164939BL	PBLK939	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U7-1
PB164939BS	PLCS939	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
P4821-01	BP-F-24	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	D		3
P4821-05	BP-F-2	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	D		4
P4821-05MS	BP-F-2MS	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	D		5
P4821-05MS D	BP-F-2MSD	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	D		6
P4822-02	SOIL-1	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	D		U5-1
P4822-04	SOIL-2	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		2
P4822-06	SOIL-3	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	D		3
P4822-08	SOIL-4	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	D		4
P4822-10	SOIL-5	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		5
P4822-12	SOIL-6	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	D		6
P4823-01	MH-4	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	D		U6-1

* Extracts relinquished on the same date as received.

2
11/13/24

164936
p-u-3

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p4822

WorkList ID : 185383

Department : Extraction

Date : 11-13-2024 08:28:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4821-01	BP-F-24	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	11/12/2024	8081B
P4821-05	BP-F-2	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	11/12/2024	8081B
P4822-02	SOIL-1	Solid	Pesticide-TCL	Cool 4 deg C	BAPS03	L21	11/12/2024	8081B
P4822-04	SOIL-2	Solid	Pesticide-TCL	Cool 4 deg C	BAPS03	L21	11/12/2024	8081B
P4822-06	SOIL-3	Solid	Pesticide-TCL	Cool 4 deg C	BAPS03	L21	11/12/2024	8081B
P4822-08	SOIL-4	Solid	Pesticide-TCL	Cool 4 deg C	BAPS03	L21	11/12/2024	8081B
P4822-10	SOIL-5	Solid	Pesticide-TCL	Cool 4 deg C	BAPS03	L21	11/12/2024	8081B
P4822-12	SOIL-6	Solid	Pesticide-TCL	Cool 4 deg C	BAPS03	L21	11/12/2024	8081B
P4823-01	MH-4	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L21	11/12/2024	8081B

Date/Time 11/13/24 8:37
Raw Sample Received by: RST (as)
Raw Sample Relinquished by: OP San

Date/Time 11/13/24
Raw Sample Received by: OP San
Raw Sample Relinquished by: RST (as)

Prep Standard - Chemical Standard Summary

Order ID : P4822

Test : Pesticide-TCL

Prepbatch ID : PB164939,

Sequence ID/Qc Batch ID: PL111324,

Standard ID :

EP2539,EP2557,PP23517,PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683,PP23686,PP23687,PP23690,PP23693,PP23695,PP23698,PP23733,PP23793,PP23858,PP23928,

Chemical ID :

E2865,E3551,E3770,E3792,E3793,E3805,E3806,E3815,E3818,E3826,P11146,P11896,P13036,P13039,P13244,P13349,P13350,P13351,P13359,P13402,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2557	11/10/2024	01/03/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Rajesh Parikh 11/10/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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



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

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Fax : 908 789 8922



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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
<u>FROM</u> 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23674 + 0.50000ml of PP23676 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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
<u>FROM</u> 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23675 + 0.50000ml of PP23677 = Final Quantity: 100.000 ml								

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	PP23928	10/30/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/30/2024

FROM 95.00000ml of E3818 + 2.50000ml of PP23675 + 2.50000ml of PP23677 = Final Quantity: 100.000 ml

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	05/09/2025	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-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3792

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

CHEMICAL RECEIPT LOG BOOK

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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/23/2025	10/23/2024 / Rajesh	10/09/2024 / Rajesh	E3818

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	05/09/2025	11/09/2024 / Rajesh	11/07/2024 / Rajesh	E3826

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

CHEMICAL RECEIPT LOG BOOK

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

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

CHEMICAL RECEIPT LOG BOOK

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



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

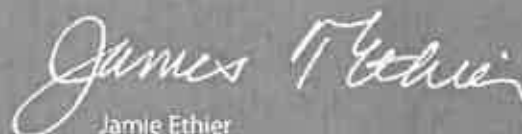
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	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


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 ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO 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 foreign 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.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

avantor™



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) ₂ CO) (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
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 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

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

Avantor™



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 ₂ SO 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 3192

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
CMOS

avantor™



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) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	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



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



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

Test	Specification	Result
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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™



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 ₂ SO 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

E 3805

Jamie Croak
Director Quality Operations, Bioscience Production

Cleanert Florisil

1g/6ml 30/pkg

固相萃取产品

LOT#: M06518

MFG#: F04074



Made in China

CAT# FS0006

 Agela Technologies

E 3806



Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



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) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
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: 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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor



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) ₂ CO) (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
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 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

Recd. by RP on 10/9/24

E 3818

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

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



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)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 0.01 %

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

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

E 3826

Rec'd by RP on 11/7/24

Jamie Croak
Director Quality Operations, Bioscience Production



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

Certificate of Analysis



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%

Tech Tips:

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

P 11892
↓
P 11896
5

06/17/2022

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

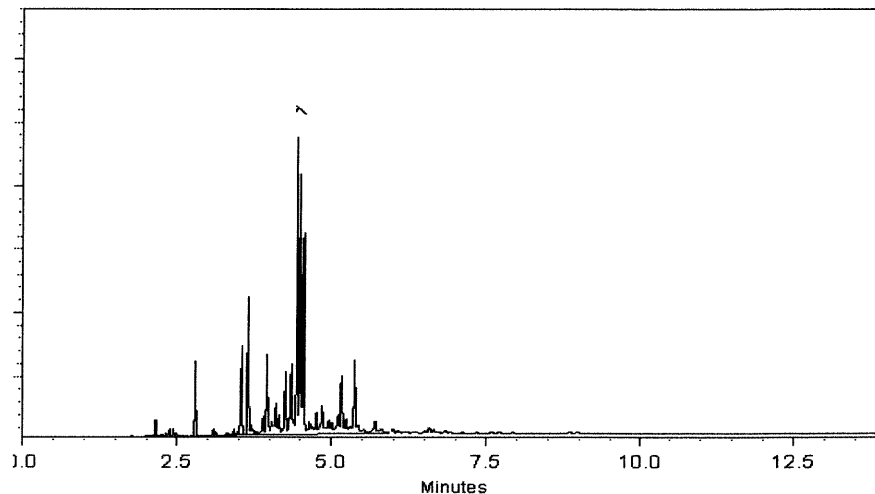
Carrier Gas:
helium-constant pressure 20 psi.

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

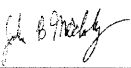
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

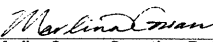


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Josh McCloskey - Operations Technician I

Date Mixed: 11-Feb-2022

Balance: B442140311


Marlene 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



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



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. : 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

P130397 5
↓
P13043 1
✓
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%

P13039
 ↓
 P13043
 5
 1
 JAW
 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.)

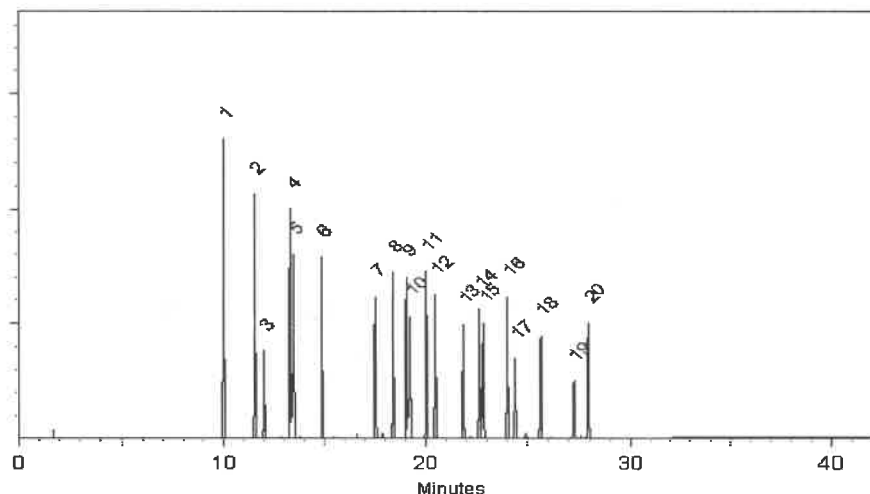
Inj. Temp:
 200°C

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
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

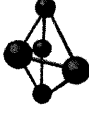
Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

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



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

79136
102821
Mirex

Solvent(s):
Lot#
Acetone **81025**

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

102826
Refrigerate (4 °C)
1000
6UTB

5E-05 **Balance Uncertainty**
0.006 **Flask Uncertainty**

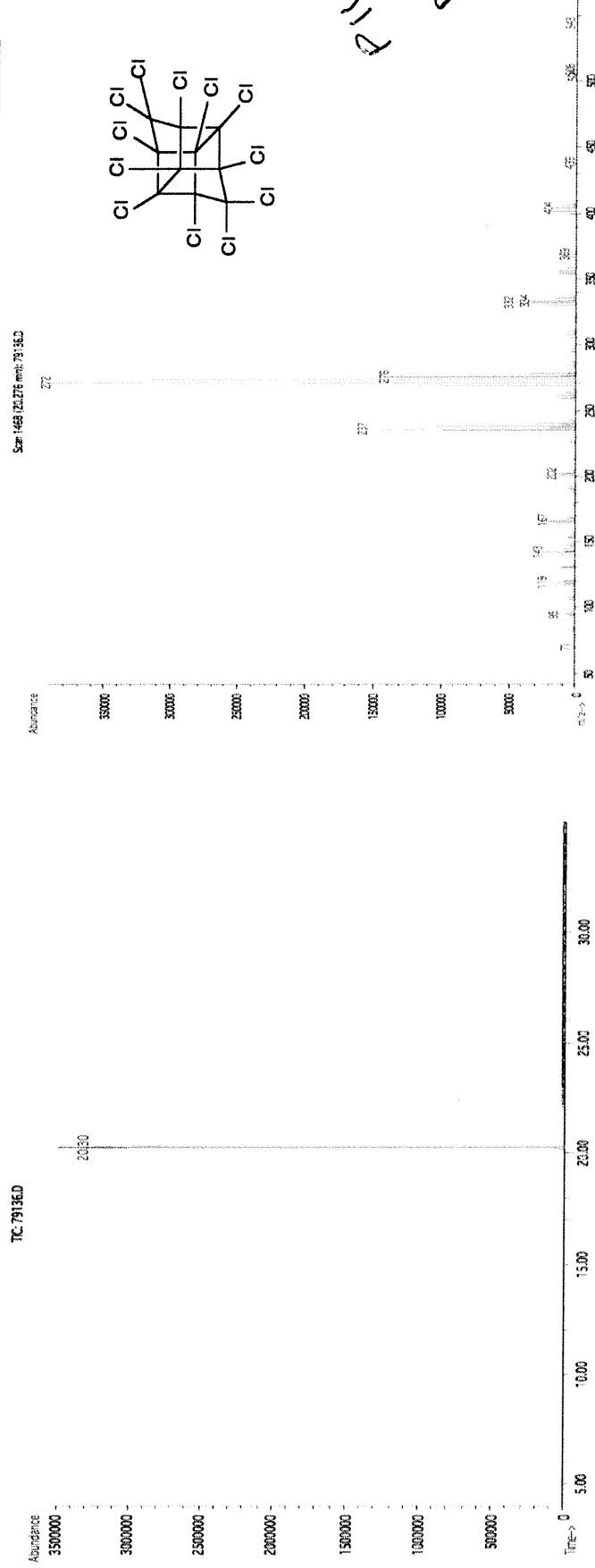
Weight(s) shown below were combined and diluted to (mL):

50.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded SDS Information		
									Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	(SHA 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.



- 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).



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



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. : 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

P 13034
↓
P 13038
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%	200.5 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
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
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.)

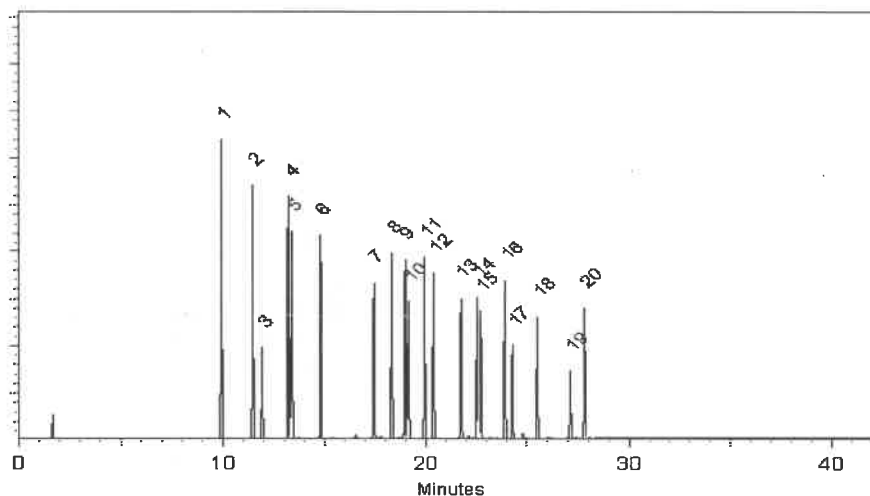
Inj. Temp:
200°C

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
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
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



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

19161
013124
CLP Pesticides & PCBs Resolution Check Standard

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):

9 components
013129
Refrigerate (4 °C)

Solvent(s):
Hexane
Toluene
273615
28508
(50%)
(50%)

NIST Test ID#:

6UTB

5E-05
Balance Uncertainty
Pipet Uncertainty

Volume(s) shown below were combined and diluted to (mL):

100.0

0.021

Balance Uncertainty
Pipet Uncertainty

Formulated By: <i>Lawrence Barry</i>		013124
Reviewed By: <i>Pedro L. Rentes</i>		013124
DATE		DATE

Compound

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty (mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (±) µg/mL	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)	or-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)	or-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	or-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)	or-rat 36300µg/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	or-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	or-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

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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



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

P13348
↓
P13357
10
DAUF
04/25/2024

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:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

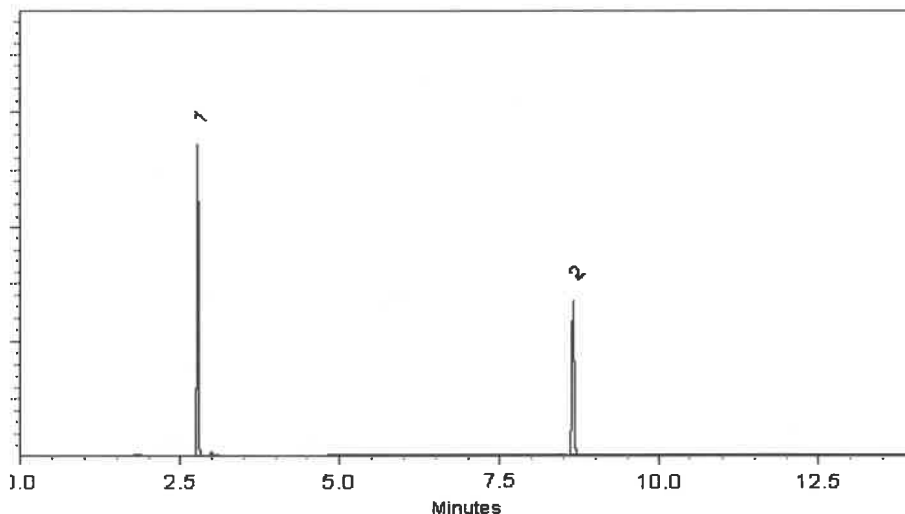
ECD

Split Vent:

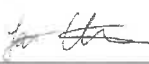
10 ml/min.

Inj. Vol

1µl

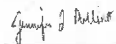


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

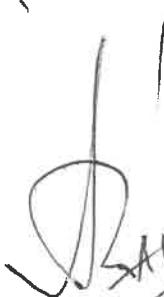
Balance Serial # 1128360905


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

P 13348
↓
P 13357
10


SAUF
04/25/2025



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



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

P13348
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DAUF
04/25/2024

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:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

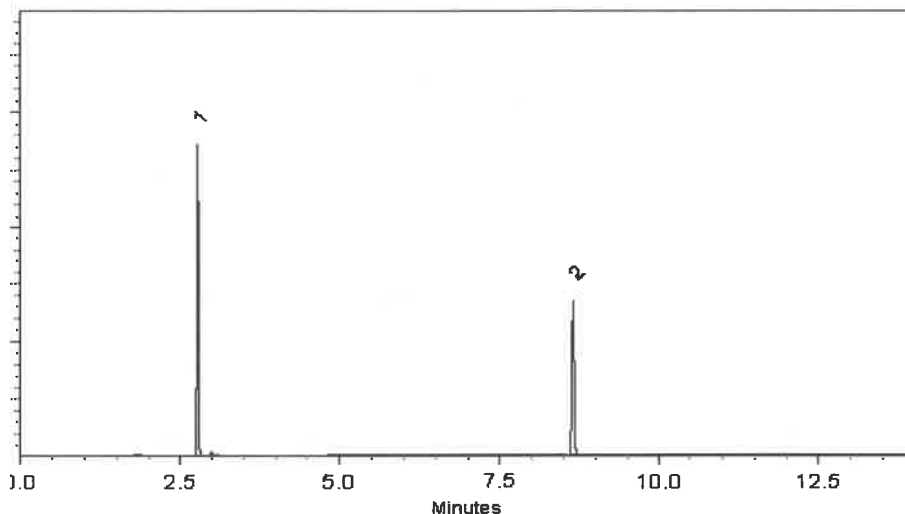
ECD

Split Vent:

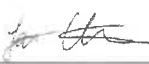
10 ml/min.

Inj. Vol

1µl

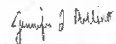


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

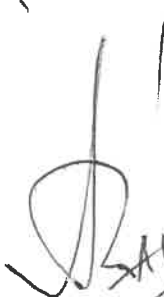
Balance Serial # 1128360905


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

P 13348
↓
P 13357
10


SAUF
04/25/2025



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



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

P13348
↓
P13357
10
DAUF
04/25/2024

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:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

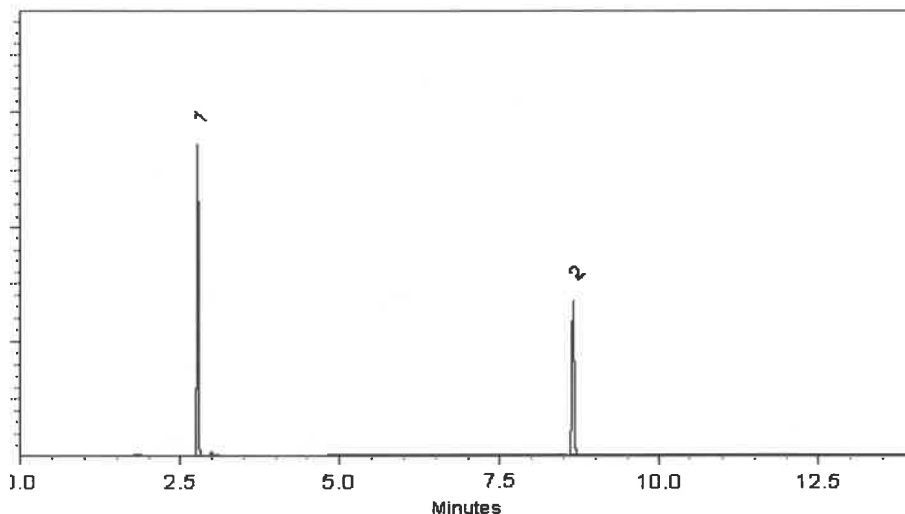
ECD

Split Vent:

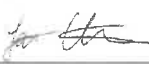
10 ml/min.

Inj. Vol

1µl

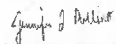


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

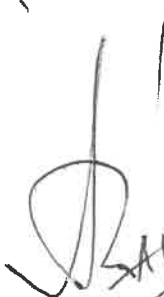
Balance Serial # 1128360905


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

P 13348
↓
P 13357
10


SAUF
04/25/2025



110 Benner Circle
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Tel: 1-814-353-1300
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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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%

P 13358
↓
P 13369
(12)

✓
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:

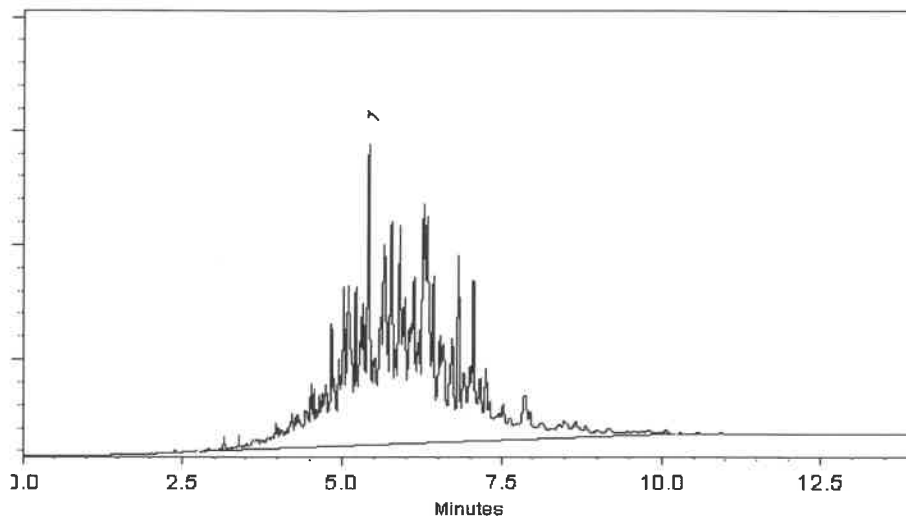
ECD

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



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



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. : 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

P13402
P13406
5/22/2024

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:

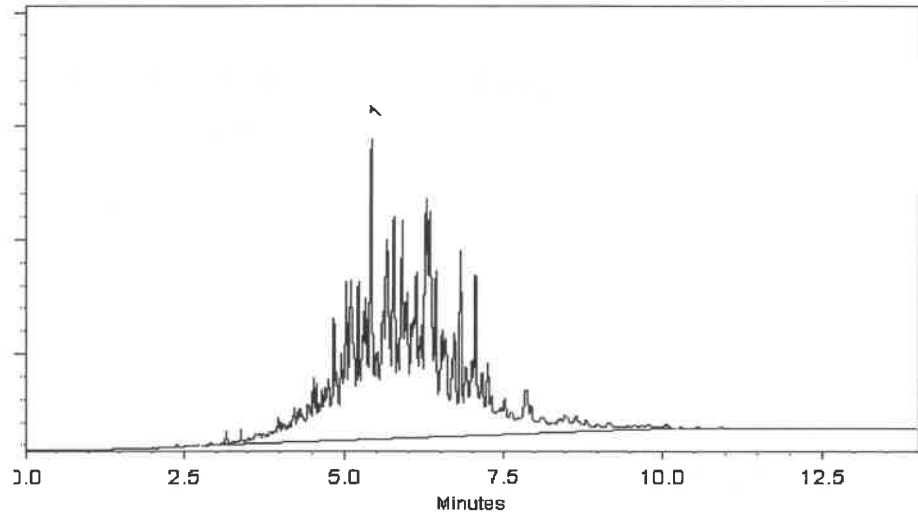
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

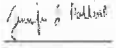


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. **P4822**
QUOTE NO.
COC Number **2040631**

CLIENT INFORMATION

COMPANY: **BAPS** REPORT TO BE SENT TO:
ADDRESS: **2000 Tonnelle Ave**
CITY **North Bergen** STATE: **NJ** ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **BAPS Tonnelle Ave**
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

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

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

VOC-TCL vol-10
EPH
TCL+30/TAL

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E/P	E	E							← Specify Preservatives	
1.	Soil-1	9011		X	11-24	1112	5	X	X								A-HCl	D-NaOH
2.	Soil-1		X			1120	4				X						B-HNO3	E-ICE
3.	Soil-2			X		1134	5	X	X								C-H2SO4	F-OTHER
4.	Soil-2		X			1141	4				X							
5.	Soil-3			X		1151	5	X	X									
6.	Soil-3		X			1159	4				X							
7.	Soil-4			X		1210	5	X	X									
8.	Soil-4		X			1218	4				X							
9.	Soil-5			X		1230	5	X	X									
10.	Soil-5		X			1238	4				X							

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

RELINQUISHED BY SAMPLER: 1. JT	DATE/TIME: 11-12-24	RECEIVED BY: 1.	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.8 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3. JT	DATE/TIME: 11-12-24	RECEIVED BY: 3.	Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling
Shipment Complete
☐ YES ☐ NO

CHEMTECH

CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number 2040632

P4822

CLIENT INFORMATION

COMPANY: BAPS REPORT TO BE SENT TO:

ADDRESS: 2000 Tonnelle Ave

CITY North Bergen STATE: NJ ZIP:

ATTENTION:

PHONE:

FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: BAPS Tonnelle Ave

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE:

FAX:

CLIENT BILLING INFORMATION

BILL TO:

PO#:

ADDRESS:

CITY

STATE:

ZIP:

ATTENTION:

PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*

HARDCOPY (DATA PACKAGE): _____ DAYS*

EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

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

1 VOC-TCL VOA-10
2 EPH
3 TCL+30/TAL
4
5
6
7
8
9

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	Soil-6	Soil		X	11/24	1245	5	X	X								
2.	Soil-6	I	X		11/24	1253	4			X							
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. <u>IT</u>	DATE/TIME: <u>1310</u> <u>11.12.24</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.8</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY: 2. <u>[Signature]</u>	Comments:
RELINQUISHED BY SAMPLER: 3. <u>IT</u>	DATE/TIME: <u>1420</u> <u>11.12.24</u>	RECEIVED BY: 3. <u>[Signature]</u>	Page <u>2</u> of <u>2</u> CLIENT: ☐ Hand Delivered ☐ Other _____ CHEMTECH: ☐ Picked Up ☐ Field Sampling Shipment Complete ☐ YES ☐ NO

Environmental Laboratory

Project Name: BAPS Tonnelle
Ave
 Service Order #: _____
 Work Order #: _____
 Labor WBS #: _____
 Facility/Site: _____
 Site Address: 2000 Tonnelle
Ave, North Bergen NJ
 Chemtech Order ID: _____
 Sampler Name: IT
 Client Project Coordinator & Phone: Prish
 Page #: 1 of 1
 Date: 11.12.24
 Arrive Time: 1030
 Depart Time: 1310

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

Dimensions/cy: $154 \times (\sim 50) \times (\sim 15)$

PID Readings (range):

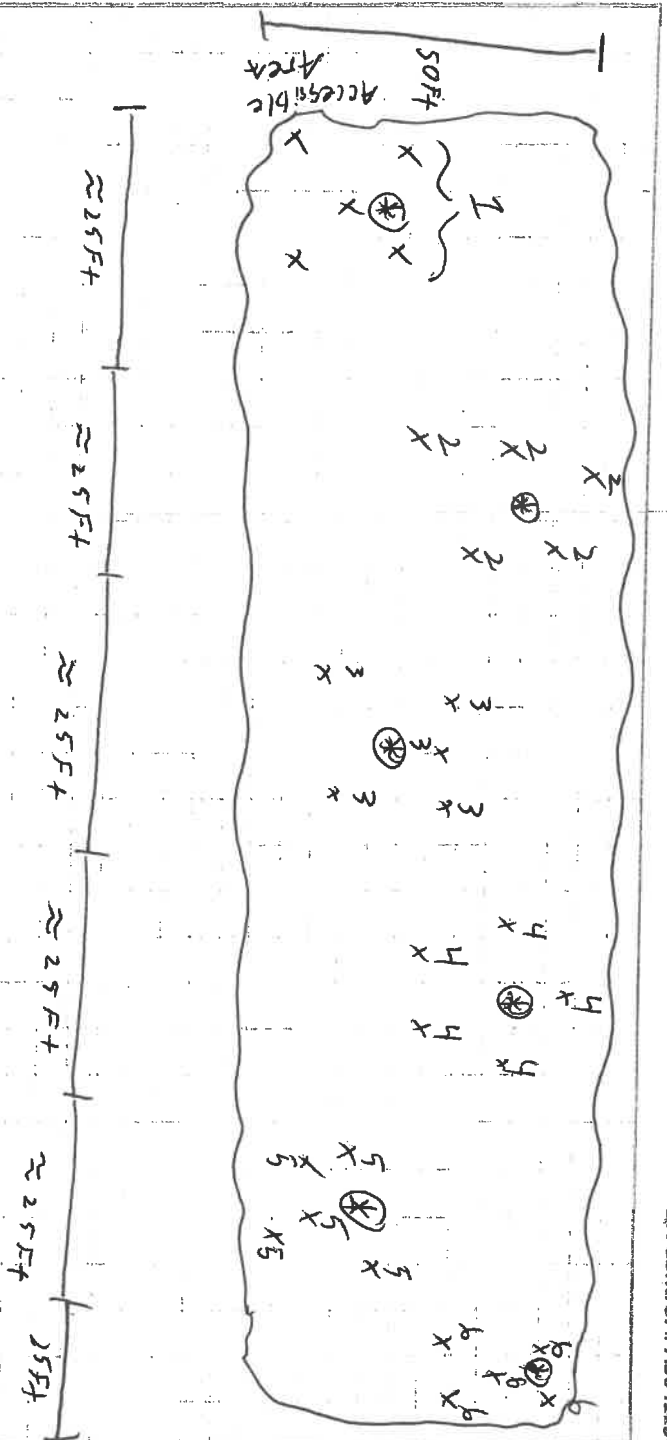
Odor: Y / N

Color: Y / N

Sandy Rocky soil, woodchips present

Large hill back of parking lot

QA Control # A3041134



Solar Panels

Basket
Ball court

Sampler Signature: ST

Supervisor Review/Date:

Client Signature: _____

Notes/Times Assigned as 1-1-1.



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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4822	BAPS03	Order Date : 11/12/2024 1:54:09 PM	Project Mgr :
Client Name : BAPS North Bergen		Project Name : BAPS North Bergen	Report Type : Level 1
Client Contact : Rakesh Patel		Receive DateTime : 11/12/2024 2:20:00 PM	EDD Type : EXCEL NJCLEANUP
Invoice Name : BAPS North Bergen		Purchase Order :	Hard Copy Date :
Invoice Contact : Rakesh Patel			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4822-01	SOIL-1	Solid	11/12/2024	11:12					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-03	SOIL-2	Solid	11/12/2024	11:34					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-05	SOIL-3	Solid	11/12/2024	11:51					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-07	SOIL-4	Solid	11/12/2024	12:10					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-09	SOIL-5	Solid	11/12/2024	12:30					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-11	SOIL-6	Solid	11/12/2024	12:45					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4822 BAPS03

Order Date : 11/12/2024 1:54:09 PM

Project Mgr :

Client Name : BAPS North Bergen

Project Name : BAPS North Bergen

Report Type : Level 1

Client Contact : Rakesh Patel

Receive DateTime : 11/12/2024 2:20:00 PM

EDD Type : EXCEL NJCLEANUP

Invoice Name : BAPS North Bergen

Purchase Order :

Hard Copy Date :

Invoice Contact : Rakesh Patel

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
--------	-----------	--------	----------------	----------------	------	------------	--------	----------	--------------

Relinquished By : IT

Date / Time :

11.12.24/1440

Received By : [Signature]

Date / Time :

11/12/24

3:00 PM

Storage Area : VOA Refridgerator Room