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

Cover Page

Order ID : P4258

Project ID : Perth Amboy

Client : Roman E&G Corp

Lab Sample Number	Client Sample Number
P4258-01	Chamberlain Ave
P4258-02	Chamberlain Ave
P4258-03	Chamberlain Ave
P4258-04	Chamberlain Ave

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

Signature : _____

Date: 10/16/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4258**

	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: **JATIN SATHVARA** **Date:** **10/16/2024**

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LAB CHRONICLE

OrderID:	P4258	**OrderDate:**	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	**Project:**	Perth Amboy
Contact:	Mark Mattheiss	**Location:**	H11,H51,K11,K21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-03	**Chamberlain Ave**	**SOIL**			**10/01/24**			**10/01/24**
			Herbicide	8151A		10/11/24	10/11/24	
			PCB	8082A		10/02/24	10/02/24	
			Pesticide-TCL	8081B		10/11/24	10/11/24	
P4258-04	**Chamberlain Ave**	**TCLP**			**10/01/24**			**10/01/24**
			TCLP Herbicide	8151A		10/03/24	10/04/24	
			TCLP Pesticide	8081B		10/03/24	10/03/24	

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Hit Summary Sheet
SW-846

SDG No.: P4258 **Order ID:** P4258

Client: Roman E&G Corp **Project ID:** Perth Amboy

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : Chamberlain Ave								
P4258-03	Chamberlain Ave	SOIL	4,4-DDE	0.31	J	0.15	2.00	ug/kg
P4258-03	Chamberlain Ave	SOIL	4,4-DDD	0.27	J	0.22	2.00	ug/kg
P4258-03	Chamberlain Ave	SOIL	4,4-DDT	0.54	JP	0.20	2.00	ug/kg
P4258-03	Chamberlain Ave	SOIL	alpha-Chlordane	0.80	JP	0.20	2.00	ug/kg
P4258-03	Chamberlain Ave	SOIL	gamma-Chlordane	0.42	J	0.22	2.00	ug/kg
			Total Concentration:	**2.340**				

QC SUMMARY

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Surrogate Summary

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL091953.D	PIBLK-PL091953.D	Decachlorobiphenyl	1	20	19.6	98		43	140
		Tetrachloro-m-xylene	1	20	19.0	95		77	126
		Decachlorobiphenyl	2	20	18.7	94		43	140
		Tetrachloro-m-xylene	2	20	18.3	92		77	126
I.BLK-PL092329.D	PIBLK-PL092329.D	Decachlorobiphenyl	1	20	23.8	119		43	140
		Tetrachloro-m-xylene	1	20	21.3	107		77	126
		Decachlorobiphenyl	2	20	22.1	110		43	140
		Tetrachloro-m-xylene	2	20	20.6	103		77	126
PB164067BL	PB164067BL	Decachlorobiphenyl	1	20	19.6	98		10	148
		Tetrachloro-m-xylene	1	20	19.0	95		10	159
		Decachlorobiphenyl	2	20	19.6	98		10	148
		Tetrachloro-m-xylene	2	20	18.1	90		10	159
PB164067BS	PB164067BS	Decachlorobiphenyl	1	20	22.0	110		10	148
		Tetrachloro-m-xylene	1	20	20.7	103		10	159
		Decachlorobiphenyl	2	20	21.3	106		10	148
		Tetrachloro-m-xylene	2	20	19.9	100		10	159
P4258-03	Chamberlain Ave	Decachlorobiphenyl	1	20	19.7	98		10	148
		Tetrachloro-m-xylene	1	20	19.9	99		10	159
		Decachlorobiphenyl	2	20	18.7	93		10	148
		Tetrachloro-m-xylene	2	20	19.4	97		10	159
P4385-04MS	SP-2MS	Decachlorobiphenyl	1	20	16.9	85		10	148
		Tetrachloro-m-xylene	1	20	16.4	82		10	159
		Decachlorobiphenyl	2	20	15.7	78		10	148
		Tetrachloro-m-xylene	2	20	16.3	81		10	159
P4385-04MSD	SP-2MSD	Decachlorobiphenyl	1	20	16.8	84		10	148
		Tetrachloro-m-xylene	1	20	16.6	83		10	159
		Decachlorobiphenyl	2	20	15.6	78		10	148
		Tetrachloro-m-xylene	2	20	15.9	79		10	159
I.BLK-PL092346.D	PIBLK-PL092346.D	Decachlorobiphenyl	1	20	21.1	105		43	140
		Tetrachloro-m-xylene	1	20	21.4	107		77	126
		Decachlorobiphenyl	2	20	19.7	99		43	140
		Tetrachloro-m-xylene	2	20	21.2	106		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8081B **DataFile :** PL092336.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**SP-2MS**											
P4385-04MS	alpha-BHC	17.5	0	15.6	ug/kg	89				60	144	
	beta-BHC	17.5	0	16.0	ug/kg	91				54	143	
	delta-BHC	17.5	0	14.7	ug/kg	84				47	144	
	gamma-BHC (Lindane)	17.5	0	15.2	ug/kg	87				61	140	
	Heptachlor	17.5	0	16.0	ug/kg	91				63	135	
	Aldrin	17.5	0	15.3	ug/kg	87				49	139	
	Heptachlor epoxide	17.5	0	15.5	ug/kg	89				32	180	
	Endosulfan I	17.5	0	15.6	ug/kg	89				56	142	
	Dieldrin	17.5	0.94	16.7	ug/kg	90				47	161	
	4,4'-DDE	17.5	30.6	43.0	ug/kg	71				55	136	
	Endrin	17.5	0	16.9	ug/kg	97				57	139	
	Endosulfan II	17.5	0	16.0	ug/kg	91				40	163	
	4,4'-DDD	17.5	4	19.2	ug/kg	87				37	192	
	Endosulfan sulfate	17.5	0	16.1	ug/kg	92				62	139	
	4,4'-DDT	17.5	26	39.9	ug/kg	79				51	146	
	Methoxychlor	17.5	0	16.3	ug/kg	93				54	136	
	Endrin ketone	17.5	0	21.2	ug/kg	121				60	129	
	Endrin aldehyde	17.5	0	16.3	ug/kg	93				59	132	
	alpha-Chlordane	17.5	0	15.9	ug/kg	91				30	192	
	gamma-Chlordane	17.5	0	16.4	ug/kg	94				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8081B **DataFile :** PL092337.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**SP-2MSD**											
P4385-04MSD	alpha-BHC	17.51	0	15.5	ug/kg	89		0		60	144	20
	beta-BHC	17.51	0	15.8	ug/kg	90		1		54	143	20
	delta-BHC	17.51	0	14.6	ug/kg	83		1		47	144	20
	gamma-BHC (Lindane)	17.51	0	15.1	ug/kg	86		1		61	140	20
	Heptachlor	17.51	0	15.9	ug/kg	91		0		63	135	20
	Aldrin	17.51	0	15.2	ug/kg	87		0		49	139	20
	Heptachlor epoxide	17.51	0	15.5	ug/kg	89		0		32	180	20
	Endosulfan I	17.51	0	15.5	ug/kg	89		0		56	142	20
	Dieldrin	17.51	0.94	16.6	ug/kg	89		1		47	161	20
	4,4'-DDE	17.51	30.6	43.3	ug/kg	73		3		55	136	20
	Endrin	17.51	0	16.8	ug/kg	96		1		57	139	20
	Endosulfan II	17.51	0	16.0	ug/kg	91		0		40	163	20
	4,4'-DDD	17.51	4	18.9	ug/kg	85		2		37	192	20
	Endosulfan sulfate	17.51	0	16.1	ug/kg	92		0		62	139	20
	4,4'-DDT	17.51	26	39.7	ug/kg	78		1		51	146	20
	Methoxychlor	17.51	0	16.2	ug/kg	93		0		54	136	20
	Endrin ketone	17.51	0	22.6	ug/kg	129		6		60	129	20
	Endrin aldehyde	17.51	0	16.2	ug/kg	93		0		59	132	20
	alpha-Chlordane	17.51	0	15.9	ug/kg	91		0		30	192	20
	gamma-Chlordane	17.51	0	16.2	ug/kg	93		1		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8081B **Datafile :** PL092332.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164067BS	alpha-BHC	16.66	16.8	ug/kg	101				84	123	
	beta-BHC	16.66	16.8	ug/kg	101				82	123	
	delta-BHC	16.66	16.4	ug/kg	98				83	126	
	gamma-BHC (Lindane)	16.66	16.2	ug/kg	97				83	125	
	Heptachlor	16.66	16.7	ug/kg	100				83	122	
	Aldrin	16.66	16.2	ug/kg	97				82	124	
	Heptachlor epoxide	16.66	17.3	ug/kg	104				83	120	
	Endosulfan I	16.66	17.2	ug/kg	103				81	124	
	Dieldrin	16.66	17.3	ug/kg	104				85	121	
	4,4'-DDE	16.66	17.6	ug/kg	106				81	123	
	Endrin	16.66	16.3	ug/kg	98				76	130	
	Endosulfan II	16.66	17.5	ug/kg	105				80	125	
	4,4'-DDD	16.66	18.9	ug/kg	113				80	131	
	Endosulfan sulfate	16.66	17.1	ug/kg	103				81	122	
	4,4'-DDT	16.66	16.2	ug/kg	97				70	129	
	Methoxychlor	16.66	16.3	ug/kg	98				60	119	
	Endrin ketone	16.66	17.4	ug/kg	104				77	132	
	Endrin aldehyde	16.66	16.6	ug/kg	100				79	124	
	alpha-Chlordane	16.66	17.2	ug/kg	103				84	120	
	gamma-Chlordane	16.66	17.4	ug/kg	104				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164067BL

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab Sample ID: PB164067BL Lab File ID: PL092331.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 10/11/2024

Date Analyzed (1): 10/11/2024 Date Analyzed (2): 10/11/2024

Time Analyzed (1): 13:24 Time Analyzed (2): 13:24

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
PB164067BS	PB164067BS	PL092332.D	10/11/2024	10/11/2024
Chamberlain Ave	P4258-03	PL092333.D	10/11/2024	10/11/2024
SP-2MS	P4385-04MS	PL092336.D	10/11/2024	10/11/2024
SP-2MSD	P4385-04MSD	PL092337.D	10/11/2024	10/11/2024

COMMENTS:

SAMPLE DATA

Raw Data: **PL092333.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	86 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
PL092333.D	1	10/11/24 09:00	10/11/24 13:51	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.21	U	0.21	2.00	ug/kg
319-85-7	beta-BHC	0.57	U	0.57	2.00	ug/kg
319-86-8	delta-BHC	0.55	U	0.55	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.22	U	0.22	2.00	ug/kg
76-44-8	Heptachlor	0.20	U	0.20	2.00	ug/kg
309-00-2	Aldrin	0.16	U	0.16	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.27	U	0.27	2.00	ug/kg
959-98-8	Endosulfan I	0.20	U	0.20	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.31	J	0.15	2.00	ug/kg
72-20-8	Endrin	0.19	U	0.19	2.00	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.00	ug/kg
72-54-8	4,4-DDD	0.27	J	0.22	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.54	JP	0.20	2.00	ug/kg
72-43-5	Methoxychlor	0.44	U	0.44	2.00	ug/kg
53494-70-5	Endrin ketone	0.26	U	0.26	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.45	U	0.45	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.80	JP	0.20	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.42	J	0.22	2.00	ug/kg
8001-35-2	Toxaphene	6.10	U	6.10	38.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.7		10 - 148	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.9		10 - 159	99%	SPK: 20

Raw Data: **PL092333.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	86 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
PL092333.D	1	10/11/24 09:00	10/11/24 13:51	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Sample Results: **PL092333.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 13:51
Operator : AR\AJ
Sample : P4258-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
Chamberlain Ave

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:33:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 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	2.778	44192412	48788821	19.865m	19.453
28)	SA Decachlor...	9.058	7.918	32236668	46689302	19.678m	18.661m
	Target Compounds						
6)	B beta-BHC	4.534	3.915	776216	825125	0.585m	0.549
10)	B gamma-Chl...	5.941	4.982	2690620	1143067	1.089m	0.380m#
11)	B alpha-Chl...	6.023	5.045	5068894	2046576	2.058m	0.684m#
12)	B 4,4'-DDE	6.193	5.236	1519937	2218167	0.702	0.798
16)	A 4,4'-DDD	6.715	5.792	821457	1523305	0.457m	0.713m#
17)	MA 4,4'-DDT	7.023	6.040	1170083	3219483	0.635m	1.392 #

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

Sample Results: **PL092333.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 13:51
Operator : AR\AJ
Sample : P4258-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

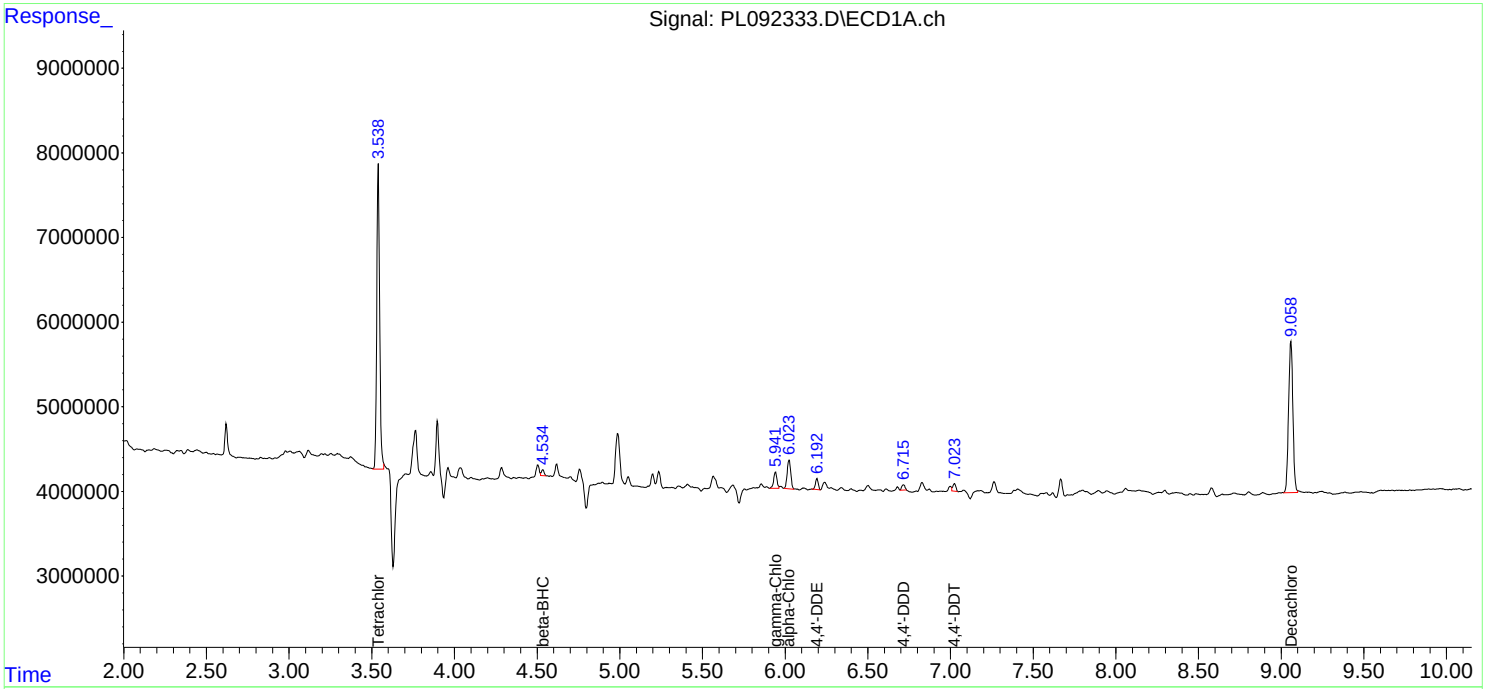
Instrument :
ECD_L
ClientSampleId :
Chamberlain Ave

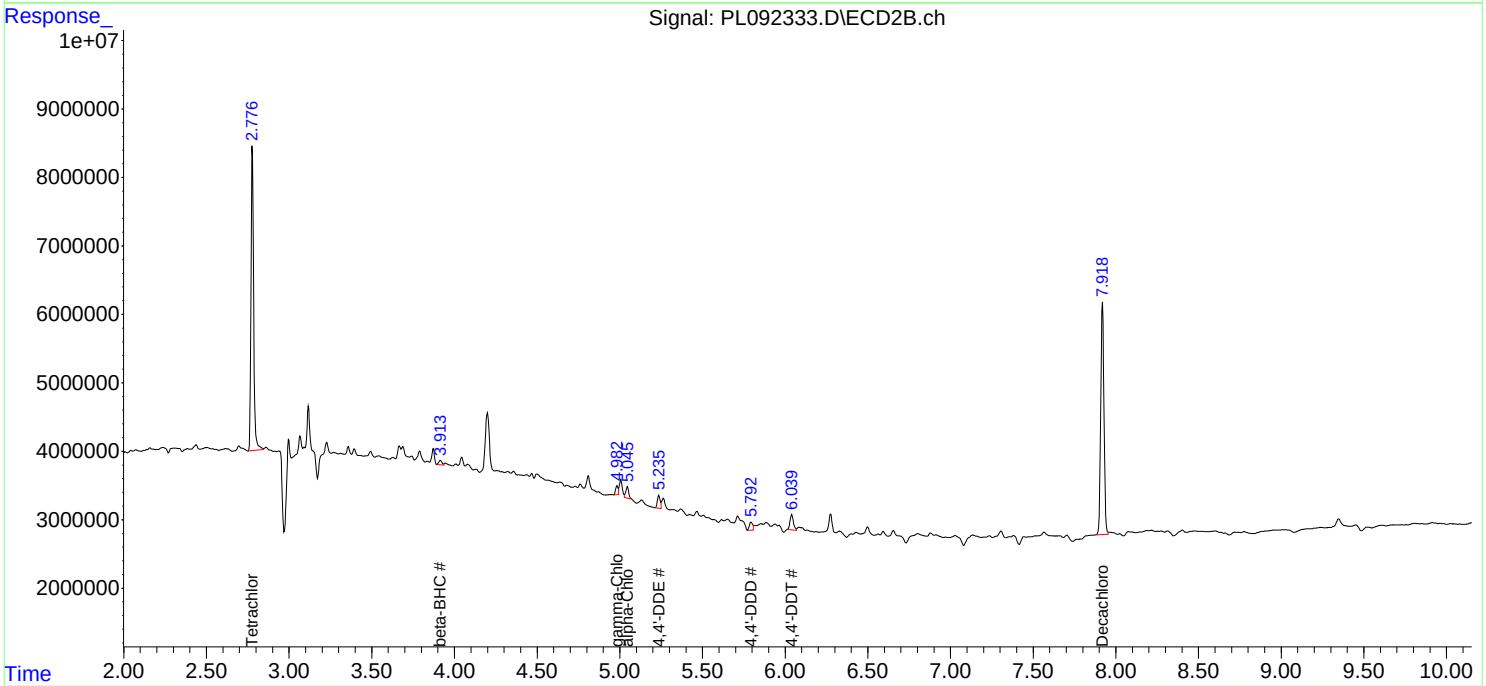
Manual Integrations APPROVED

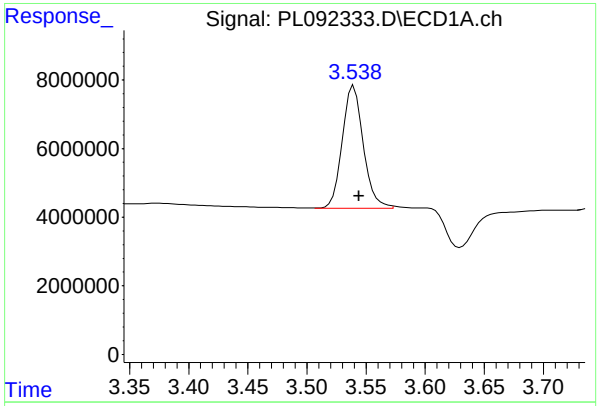
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:33:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 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







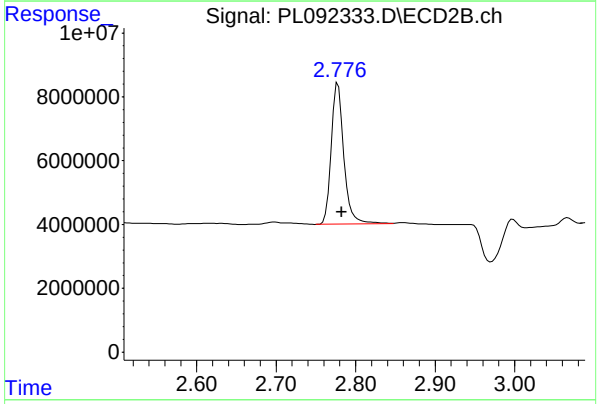
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.006 mi
Response: 44192412
Conc: 19.86 ng/m

Instrument :
ECD_L
ClientSampleId :
Chamberlain Ave

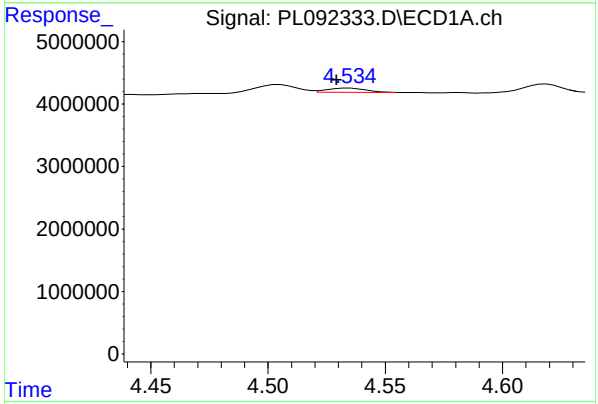
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024



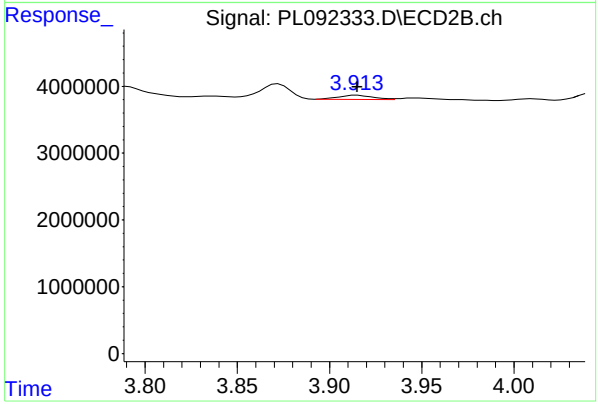
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: -0.004 min
Response: 48788821
Conc: 19.45 ng/ml



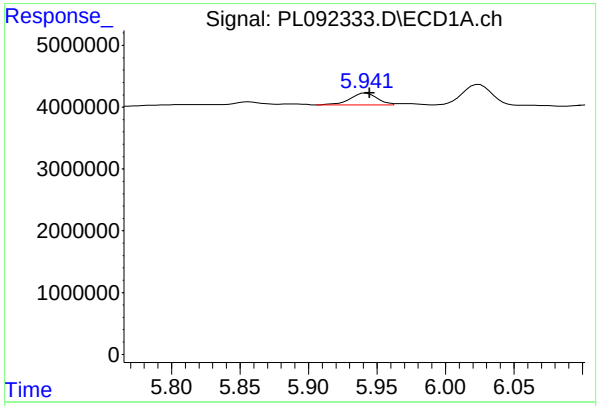
#6 beta-BHC

R.T.: 4.534 min
Delta R.T.: 0.004 min
Response: 776216
Conc: 0.59 ng/ml m



#6 beta-BHC

R.T.: 3.915 min
Delta R.T.: 0.000 min
Response: 825125
Conc: 0.55 ng/ml



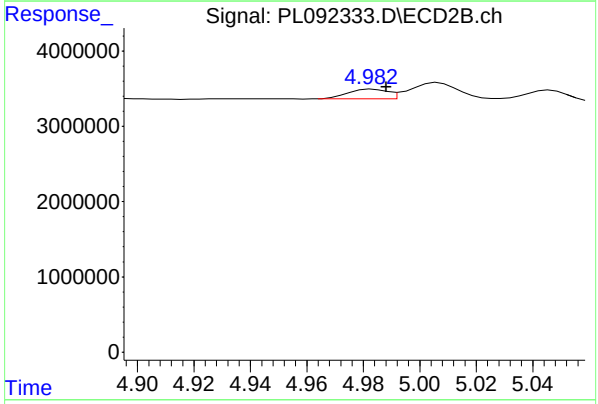
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: -0.004 mi
Response: 2690620
Conc: 1.09 ng/m

Instrument :
ECD_L
ClientSampleId :
Chamberlain Ave

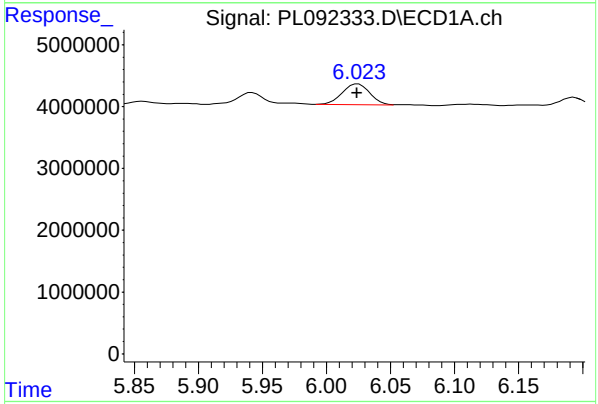
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024



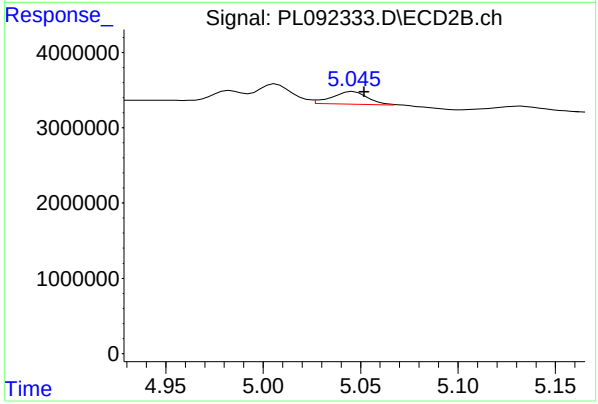
#10 gamma-Chlordane

R.T.: 4.982 min
Delta R.T.: -0.006 min
Response: 1143067
Conc: 0.38 ng/ml m



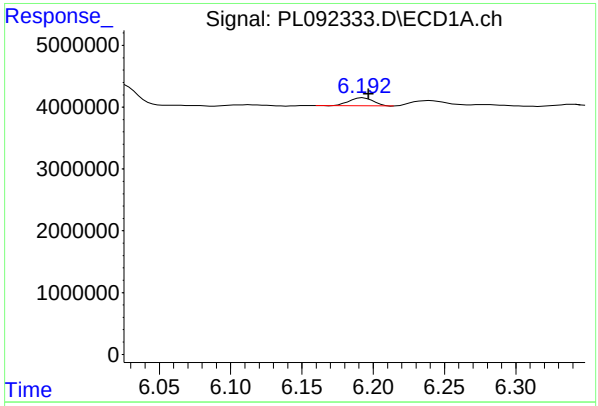
#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 5068894
Conc: 2.06 ng/ml m



#11 alpha-Chlordane

R.T.: 5.045 min
Delta R.T.: -0.007 min
Response: 2046576
Conc: 0.68 ng/ml m



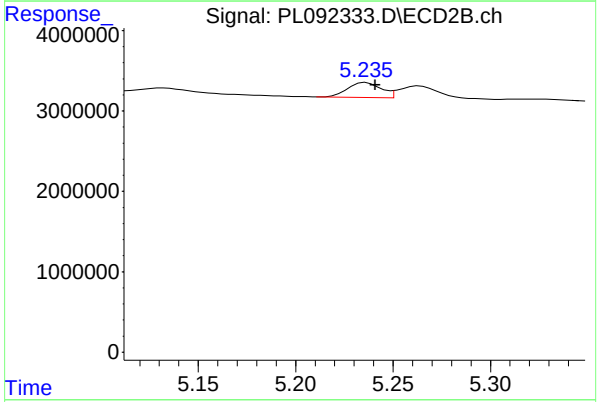
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: -0.004 min
Response: 1519937
Conc: 0.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
Chamberlain Ave

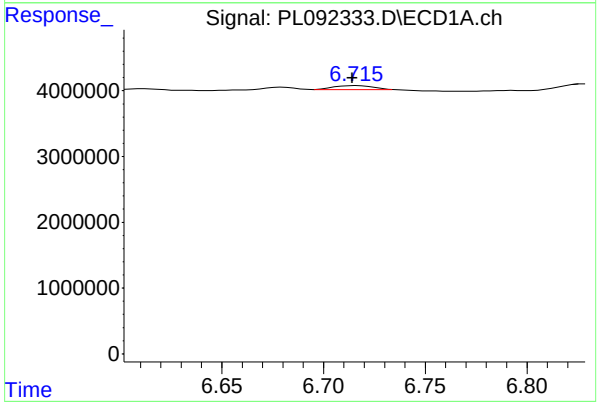
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024



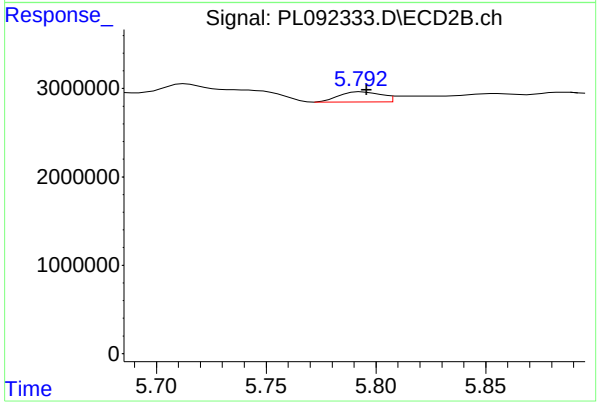
#12 4,4'-DDE

R.T.: 5.236 min
Delta R.T.: -0.005 min
Response: 2218167
Conc: 0.80 ng/ml



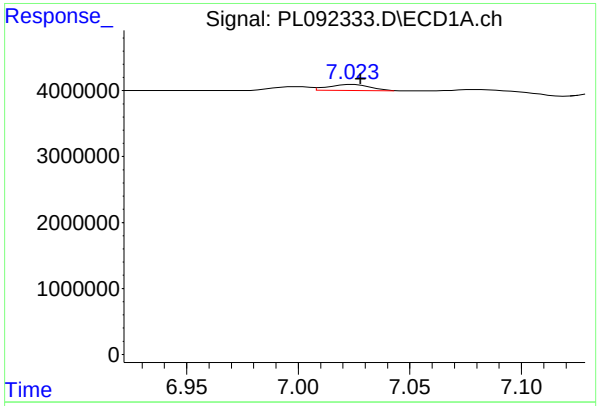
#16 4,4'-DDD

R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 821457
Conc: 0.46 ng/ml m



#16 4,4'-DDD

R.T.: 5.792 min
Delta R.T.: -0.004 min
Response: 1523305
Conc: 0.71 ng/ml m



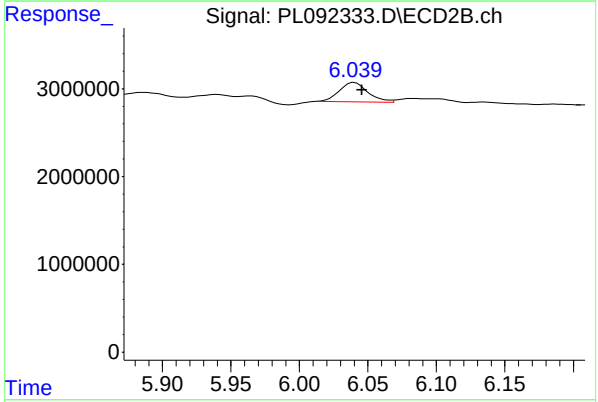
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: -0.005 mi
Response: 1170083
Conc: 0.64 ng/m

Instrument :
ECD_L
ClientSampleId :
Chamberlain Ave

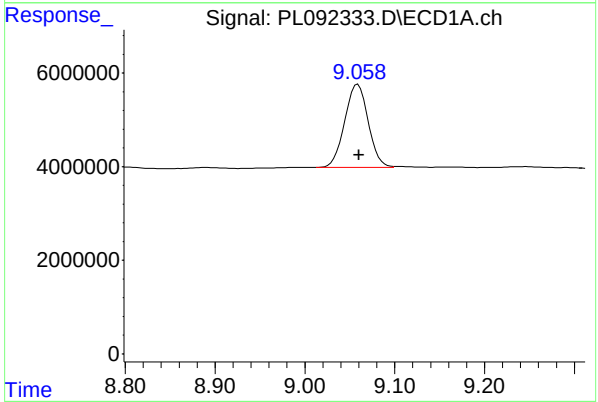
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024



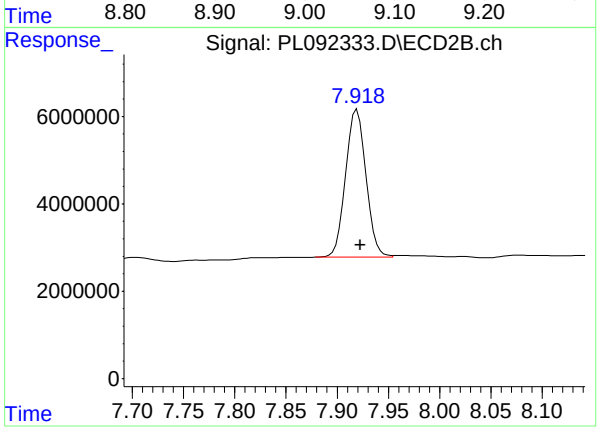
#17 4,4'-DDT

R.T.: 6.040 min
Delta R.T.: -0.005 min
Response: 3219483
Conc: 1.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: -0.003 min
Response: 32236668
Conc: 19.68 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: -0.005 min
Response: 46689302
Conc: 18.66 ng/ml m

CALIBRATION SUMMARY

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024

Calibration Times: 11:32 12:26

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

LAB FILE ID: RT 100 = PL091956.D RT 075 = PL091957.D

RT 050 = PL091958.D RT 025 = PL091959.D RT 005 = PL091960.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.20	6.20	6.20	6.20	6.20	6.20	6.10	6.30
4,4'-DDT	7.03	7.03	7.03	7.03	7.03	7.03	6.93	7.13
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl	9.06	9.06	9.06	9.06	9.06	9.06	8.96	9.16
delta-BHC	4.78	4.78	4.78	4.78	4.77	4.78	4.68	4.88
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Endosulfan I	6.07	6.07	6.08	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Endrin aldehyde	6.93	6.93	6.93	6.93	6.93	6.93	6.83	7.03
Endrin ketone	7.65	7.65	7.65	7.65	7.65	7.65	7.55	7.75
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.95	5.95	5.95	5.95	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024

Calibration Times: 11:32 12:26

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

LAB FILE ID: RT 100 = PL091956.D RT 075 = PL091957.D

RT 050 = PL091958.D RT 025 = PL091959.D RT 005 = PL091960.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
4,4'-DDE	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
4,4'-DDT	6.05	6.05	6.05	6.05	6.05	6.05	5.95	6.15
Aldrin	4.24	4.24	4.24	4.24	4.24	4.24	4.14	4.34
alpha-BHC	3.29	3.29	3.29	3.29	3.29	3.29	3.19	3.39
alpha-Chlordane	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
beta-BHC	3.92	3.92	3.92	3.92	3.92	3.91	3.81	4.01
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
delta-BHC	4.15	4.15	4.15	4.15	4.14	4.14	4.04	4.24
Dieldrin	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Endosulfan I	5.11	5.11	5.11	5.11	5.11	5.11	5.01	5.21
Endosulfan II	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Endosulfan sulfate	6.35	6.35	6.34	6.34	6.35	6.34	6.24	6.44
Endrin	5.65	5.65	5.65	5.65	5.65	5.65	5.55	5.75
Endrin aldehyde	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endrin ketone	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
gamma-BHC (Lindane)	3.62	3.62	3.62	3.62	3.62	3.62	3.52	3.72
gamma-Chlordane	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Heptachlor	3.96	3.96	3.96	3.96	3.96	3.95	3.85	4.05
Heptachlor epoxide	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Methoxychlor	6.62	6.62	6.62	6.62	6.62	6.62	6.52	6.72
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

Raw Data

Alliance TECHNICAL GROUP

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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024

Calibration Times: 11:32 12:26

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

LAB FILE ID: **CF 100 =** PL091956.D **CF 075 =** PL091957.D

CF 050 = PL091958.D **CF 025 =** PL091959.D **CF 005 =** PL091960.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1653520000	1647210000	1678500000	1744800000	2254540000	1795720000	14
4,4'-DDE	2066570000	2045910000	2071830000	2104470000	2533330000	2164420000	10
4,4'-DDT	1733900000	1735380000	1754170000	1804510000	2178050000	1841200000	10
Aldrin	2641050000	2607180000	2641830000	2690200000	3307680000	2777590000	11
alpha-BHC	3076620000	3010330000	2985720000	2963000000	3446930000	3096520000	6
alpha-Chlordane	2305920000	2301860000	2353960000	2423920000	2931020000	2463340000	11
beta-BHC	1233660000	1235340000	1269540000	1303030000	1590300000	1326380000	11
Decachlorobiphenyl	1514180000	1546290000	1590790000	1642930000	1896960000	1638230000	9
delta-BHC	2841210000	2757590000	2778760000	2797400000	3246070000	2884210000	7
Dieldrin	2300240000	2292130000	2329590000	2380410000	2891930000	2438860000	10
Endosulfan I	2149020000	2152500000	2207300000	2283480000	2774700000	2313400000	11
Endosulfan II	1992660000	2006240000	2063200000	2160930000	2775610000	2199730000	15
Endosulfan sulfate	1820440000	1836620000	1889410000	1967750000	2397160000	1982280000	12
Endrin	1940880000	1934170000	1971650000	2016300000	2440480000	2060700000	10
Endrin aldehyde	1583540000	1604430000	1647320000	1720460000	2158080000	1742760000	14
Endrin ketone	2055570000	2058040000	2104700000	2152580000	2616930000	2197560000	11
gamma-BHC (Lindane)	2990410000	2948600000	2949110000	2954630000	3651280000	3098800000	10
gamma-Chlordane	2323480000	2305690000	2357460000	2423400000	2945970000	2471200000	11
Heptachlor	2590450000	2581810000	2624270000	2731930000	3298830000	2765460000	11
Heptachlor epoxide	2355250000	2419410000	2410600000	2493740000	3045980000	2544990000	11
Methoxychlor	913738000	926950000	954169000	973623000	1140080000	981712000	9
Tetrachloro-m-xylene	2128490000	2125270000	2145440000	2197480000	2526630000	2224660000	8

Raw Data

Alliance TECHNICAL GROUP

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024

Calibration Times: 11:32 12:26

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

LAB FILE ID: **CF 100 =** PL091956.D **CF 075 =** PL091957.D

CF 050 = PL091958.D **CF 025 =** PL091959.D **CF 005 =** PL091960.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2268160000	2177660000	2139850000	1992930000	2102490000	2136220000	5
4,4'-DDE	2937140000	2821610000	2796600000	2614820000	2724050000	2778840000	4
4,4'-DDT	2455710000	2371160000	2329540000	2184000000	2225420000	2313160000	5
Aldrin	3593290000	3455480000	3419630000	3175270000	3361830000	3401100000	4
alpha-BHC	3937530000	3786440000	3690070000	3414870000	3387720000	3643320000	7
alpha-Chlordane	3085390000	2983970000	2990310000	2841400000	3066630000	2993540000	3
beta-BHC	1482940000	1448440000	1465850000	1419920000	1698340000	1503100000	7
Decachlorobiphenyl	2374340000	2399600000	2428470000	2478660000	2828640000	2501940000	7
delta-BHC	3726380000	3579670000	3509320000	3229840000	3313260000	3471690000	6
Dieldrin	3085830000	2978040000	2947180000	2759020000	2889140000	2931840000	4
Endosulfan I	2816250000	2735830000	2741360000	2613670000	2816080000	2744640000	3
Endosulfan II	2561230000	2497720000	2506550000	2398770000	2547770000	2502410000	3
Endosulfan sulfate	2442810000	2382500000	2402520000	2314600000	2520170000	2412520000	3
Endrin	2724440000	2642180000	2624570000	2477520000	2642190000	2622180000	3
Endrin aldehyde	2035320000	2004480000	2019970000	1971180000	2172650000	2040720000	4
Endrin ketone	2811580000	2766230000	2778840000	2679690000	2808370000	2768950000	2
gamma-BHC (Lindane)	3775710000	3629090000	3577820000	3312530000	3359720000	3530980000	5
gamma-Chlordane	3135810000	3020590000	3008060000	2840920000	3037500000	3008580000	4
Heptachlor	3553790000	3434350000	3431490000	3238430000	3595010000	3450610000	4
Heptachlor epoxide	3090900000	2996730000	3012410000	2873000000	3141390000	3022890000	3
Methoxychlor	1228030000	1222750000	1234080000	1223180000	1343690000	1250350000	4
Tetrachloro-m-xylene	2544530000	2497760000	2476670000	2384990000	2636430000	2508080000	4

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L **Date(s) Analyzed:** 09/23/2024 09/23/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	22665300
		2	6.45	6.35	6.55	13922000
		3	7.06	6.96	7.16	70960500
		4	7.15	7.05	7.25	53851200
		5	7.94	7.84	8.04	39727000

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L **Date(s) Analyzed:** 09/23/2024 09/23/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.01	4.91	5.11	18093600
		2	5.34	5.24	5.44	17271700
		3	6.61	6.51	6.71	63995900
		4	6.74	6.64	6.84	88666300
		5	7.05	6.95	7.15	60349700

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091956.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 11:32
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: Sep 23 12:39:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:36:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.544	2.782	212.8E6	254.5E6	99.603	101.351
28)	SA	Decachlor...	9.060	7.923	151.4E6	237.4E6	97.533	98.873
		Target Compounds						
2)	A	alpha-BHC	4.000	3.286	307.7E6	393.8E6	101.499	103.244
3)	MA	gamma-BHC...	4.332	3.616	299.0E6	377.6E6	100.695	102.691
4)	MA	Heptachlor	4.921	3.955	259.0E6	355.4E6	99.351	101.751
5)	MB	Aldrin	5.263	4.236	264.1E6	359.3E6	99.985	102.476
6)	B	beta-BHC	4.529	3.915	123.4E6	148.3E6	98.567	100.580
7)	B	delta-BHC	4.777	4.145	284.1E6	372.6E6	101.111	103.000
8)	B	Heptachlo...	5.689	4.738	235.5E6	309.1E6	98.839	101.286
9)	A	Endosulfan I	6.074	5.108	214.9E6	281.6E6	98.662	101.348
10)	B	gamma-Chl...	5.945	4.989	232.3E6	313.6E6	99.274	102.079
11)	B	alpha-Chl...	6.024	5.052	230.6E6	308.5E6	98.969	101.565
12)	B	4,4'-DDE	6.197	5.241	206.7E6	293.7E6	99.873	102.451
13)	MA	Dieldrin	6.350	5.373	230.0E6	308.6E6	99.366	102.298
14)	MA	Endrin	6.579	5.648	194.1E6	272.4E6	99.214	101.867
15)	B	Endosulfa...	6.799	5.942	199.3E6	256.1E6	98.261	101.079
16)	A	4,4'-DDD	6.714	5.796	165.4E6	226.8E6	99.250	102.911
17)	MA	4,4'-DDT	7.028	6.046	173.4E6	245.6E6	99.419	102.637
18)	B	Endrin al...	6.929	6.122	158.4E6	203.5E6	98.026	100.378
19)	B	Endosulfa...	7.163	6.345	182.0E6	244.3E6	98.141	100.831
20)	A	Methoxychlor	7.503	6.622	91373843	122.8E6	97.836	99.754
21)	B	Endrin ke...	7.648	6.850	205.6E6	281.2E6	98.819	100.586
22)		Mirex	8.122	7.031	160.9E6	228.3E6	97.006	98.712

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

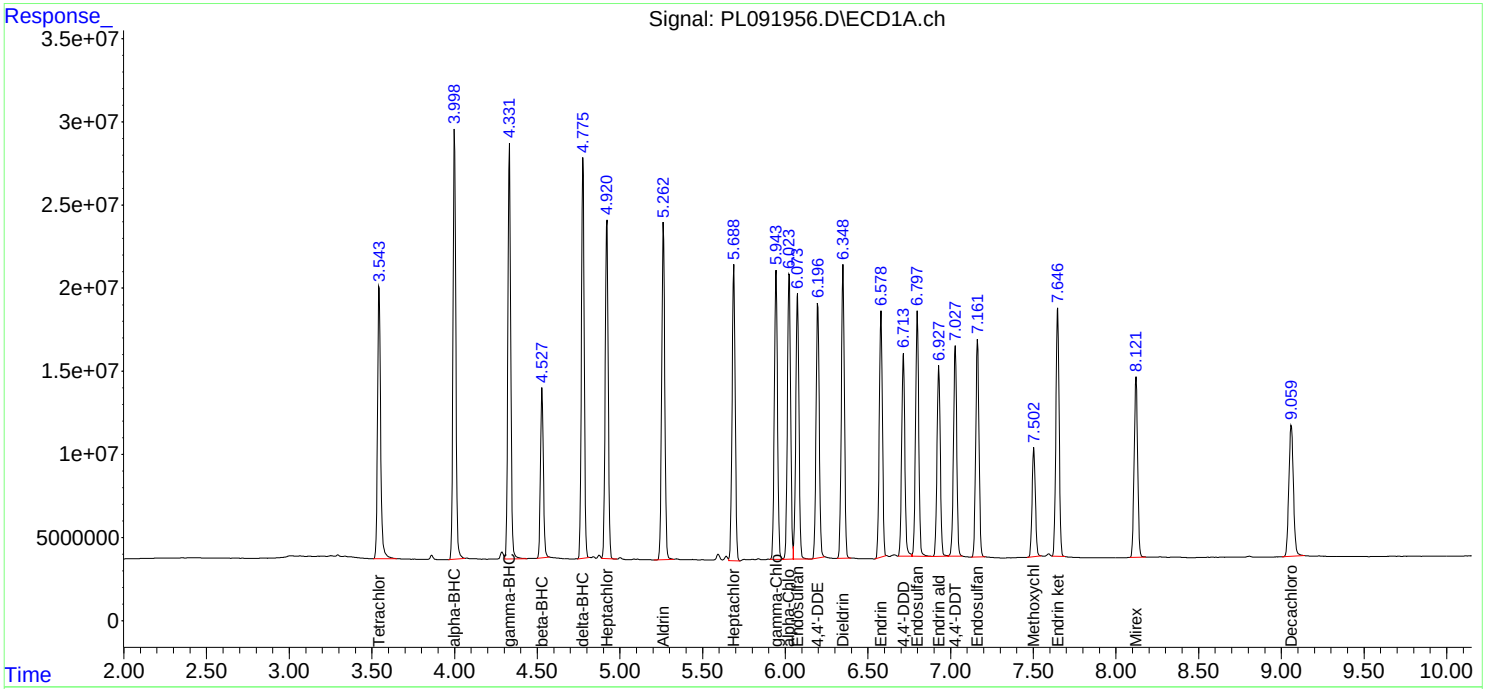
ICAL Form

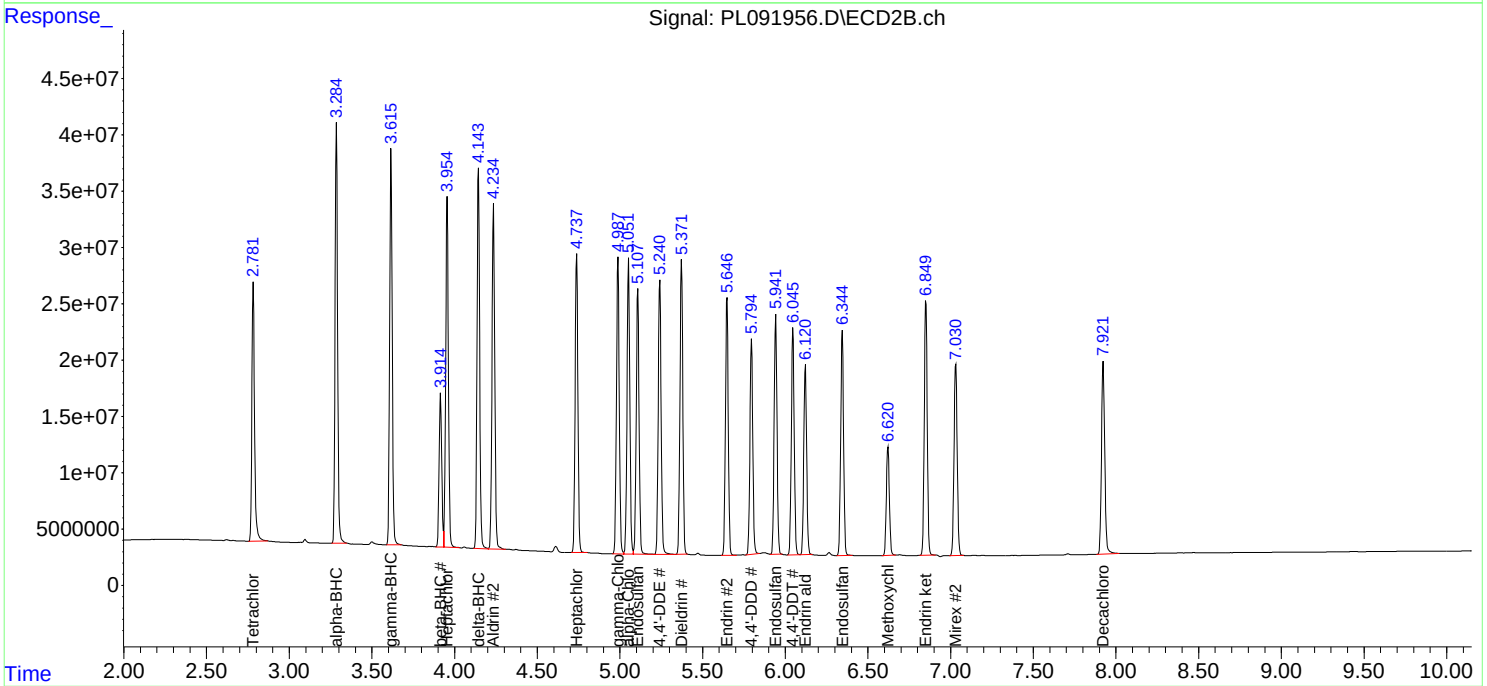
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091956.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 11:32
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:39:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:36:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091957.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 11:45
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: Sep 23 12:41:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:36:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.544	2.782	159.4E6	187.3E6	74.726	74.744
28)	SA	Decachlor...	9.060	7.924	116.0E6	180.0E6	74.800	74.962
		Target Compounds						
2)	A	alpha-BHC	3.999	3.286	225.8E6	284.0E6	74.655	74.640
3)	MA	gamma-BHC...	4.332	3.616	221.1E6	272.2E6	74.643	74.349
4)	MA	Heptachlor	4.921	3.955	193.6E6	257.6E6	74.508	74.161
5)	MB	Aldrin	5.263	4.235	195.5E6	259.2E6	74.349	74.269
6)	B	beta-BHC	4.530	3.915	92650426	108.6E6	74.347	74.115
7)	B	delta-BHC	4.777	4.145	206.8E6	268.5E6	74.062	74.471
8)	B	Heptachlo...	5.689	4.739	181.5E6	224.8E6	75.762	74.095
9)	A	Endosulfan I	6.074	5.108	161.4E6	205.2E6	74.409	74.223
10)	B	gamma-Chl...	5.945	4.988	172.9E6	226.5E6	74.253	74.159
11)	B	alpha-Chl...	6.024	5.052	172.6E6	223.8E6	74.395	74.108
12)	B	4,4'-DDE	6.197	5.241	153.4E6	211.6E6	74.435	74.206
13)	MA	Dieldrin	6.349	5.373	171.9E6	223.4E6	74.506	74.360
14)	MA	Endrin	6.579	5.648	145.1E6	198.2E6	74.433	74.393
15)	B	Endosulfa...	6.798	5.943	150.5E6	187.3E6	74.463	74.283
16)	A	4,4'-DDD	6.714	5.796	123.5E6	163.3E6	74.434	74.400
17)	MA	4,4'-DDT	7.028	6.047	130.2E6	177.8E6	74.751	74.550
18)	B	Endrin al...	6.929	6.122	120.3E6	150.3E6	74.659	74.427
19)	B	Endosulfa...	7.163	6.345	137.7E6	178.7E6	74.505	74.166
20)	A	Methoxychlor	7.504	6.622	69521260	91706580	74.624	74.662
21)	B	Endrin ke...	7.648	6.851	154.4E6	207.5E6	74.467	74.480
22)		Mirex	8.121	7.032	123.8E6	172.9E6	74.728	74.836

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

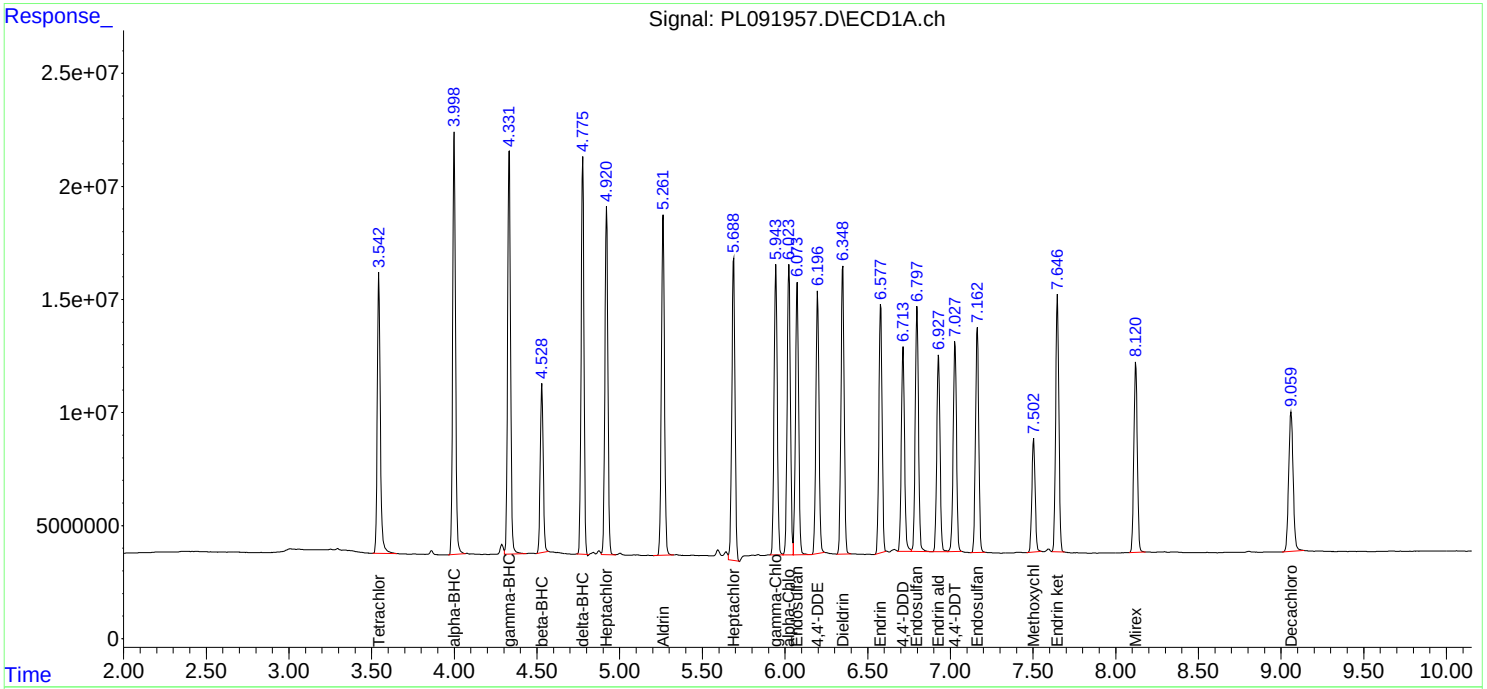
ICAL Form

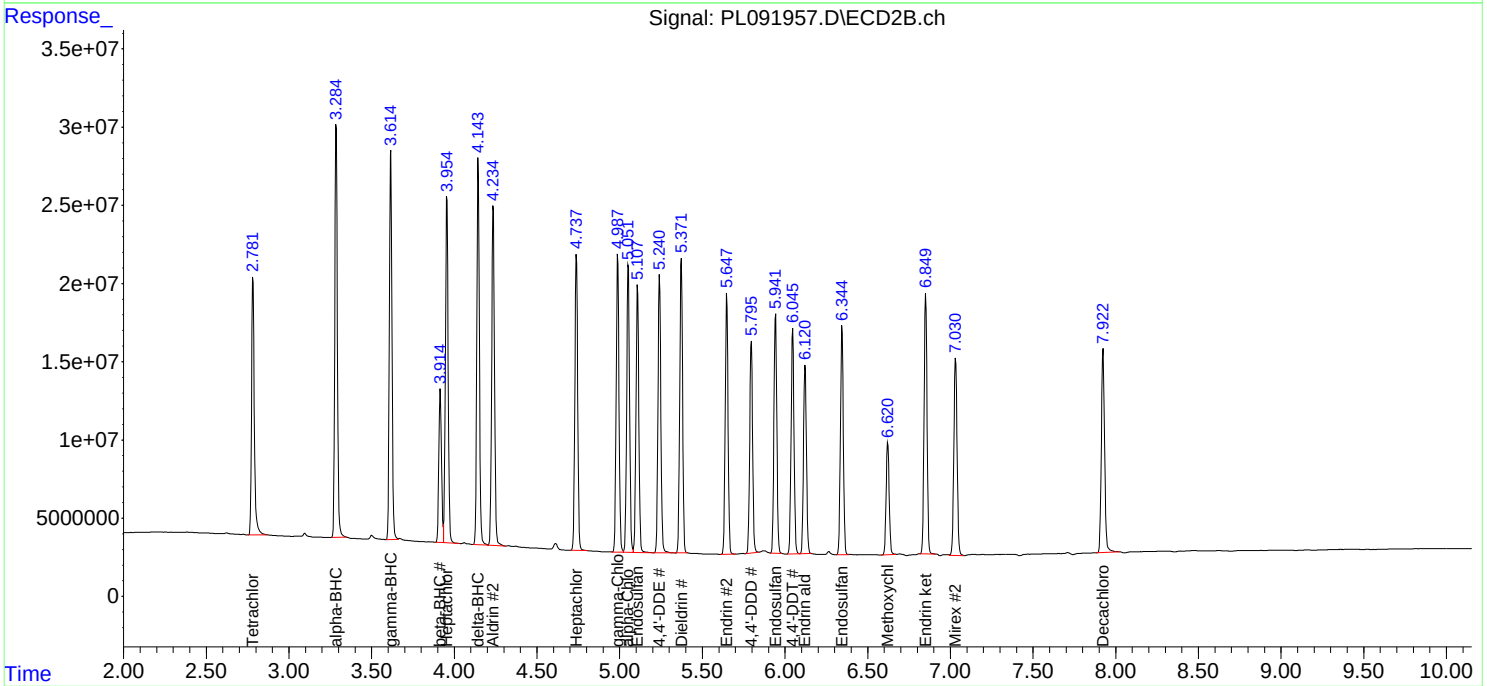
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091957.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 11:45
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:41:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:36:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091958.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 11:59
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: Sep 23 12:36:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:36:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.544	2.782	107.3E6	123.8E6	50.000	50.000
28)	SA	Decachlor...	9.060	7.923	79539342	121.4E6	50.000	50.000
		Target Compounds						
2)	A	alpha-BHC	3.999	3.286	149.3E6	184.5E6	50.000	50.000
3)	MA	gamma-BHC...	4.332	3.616	147.5E6	178.9E6	50.000	50.000
4)	MA	Heptachlor	4.920	3.955	131.2E6	171.6E6	50.000	50.000
5)	MB	Aldrin	5.263	4.235	132.1E6	171.0E6	50.000	50.000
6)	B	beta-BHC	4.529	3.915	63477159	73292412	50.000	50.000
7)	B	delta-BHC	4.777	4.145	138.9E6	175.5E6	50.000	50.000
8)	B	Heptachlo...	5.689	4.738	120.5E6	150.6E6	50.000	50.000
9)	A	Endosulfan I	6.075	5.108	110.4E6	137.1E6	50.000	50.000
10)	B	gamma-Chl...	5.945	4.988	117.9E6	150.4E6	50.000	50.000
11)	B	alpha-Chl...	6.024	5.052	117.7E6	149.5E6	50.000	50.000
12)	B	4,4'-DDE	6.197	5.241	103.6E6	139.8E6	50.000	50.000
13)	MA	Dieldrin	6.349	5.372	116.5E6	147.4E6	50.000	50.000
14)	MA	Endrin	6.579	5.648	98582726	131.2E6	50.000	50.000
15)	B	Endosulfa...	6.798	5.942	103.2E6	125.3E6	50.000	50.000
16)	A	4,4'-DDD	6.714	5.796	83925087	107.0E6	50.000	50.000
17)	MA	4,4'-DDT	7.028	6.046	87708743	116.5E6	50.000	50.000
18)	B	Endrin al...	6.928	6.122	82365868	101.0E6	50.000	50.000
19)	B	Endosulfa...	7.163	6.344	94470405	120.1E6	50.000	50.000
20)	A	Methoxychlor	7.504	6.621	47708430	61703976	50.000	50.000
21)	B	Endrin ke...	7.648	6.850	105.2E6	138.9E6	50.000	50.000
22)		Mirex	8.121	7.031	85437944	117.1E6	50.000	50.000

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

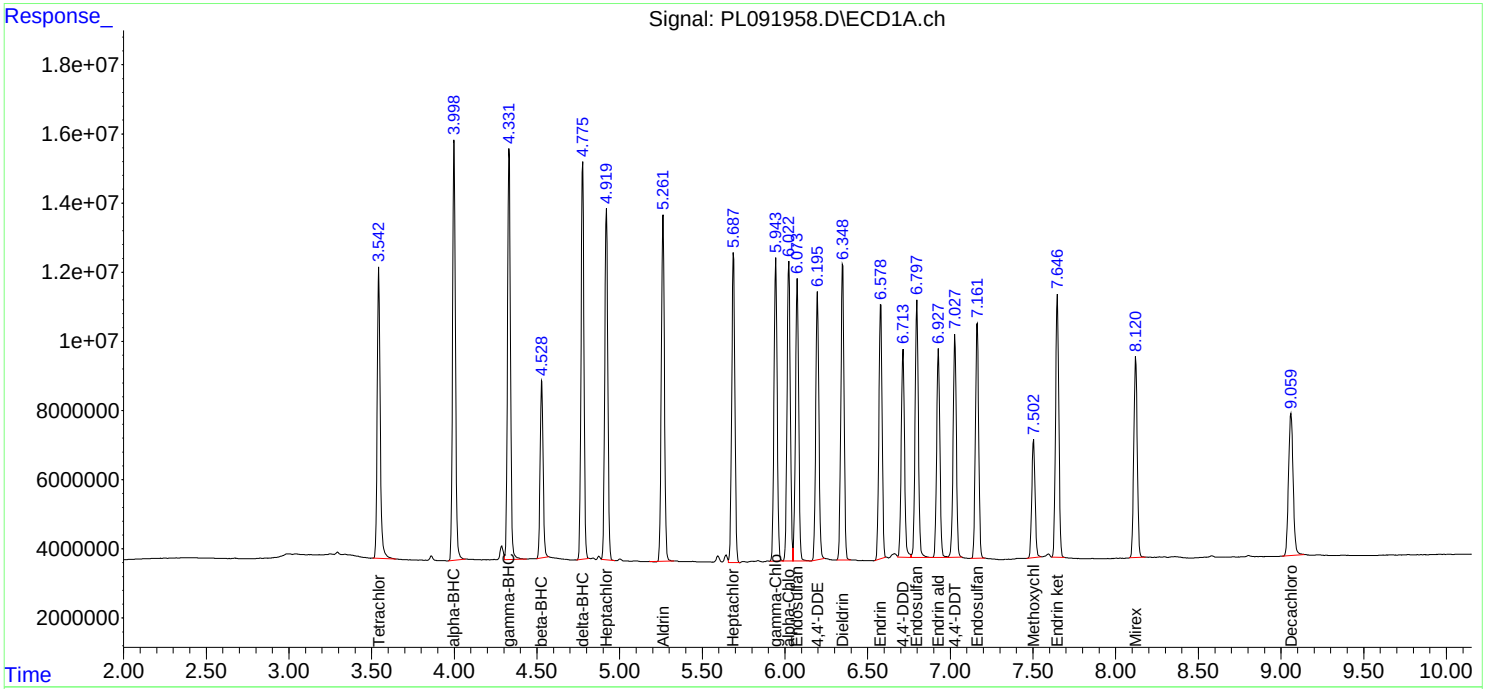
ICAL Form

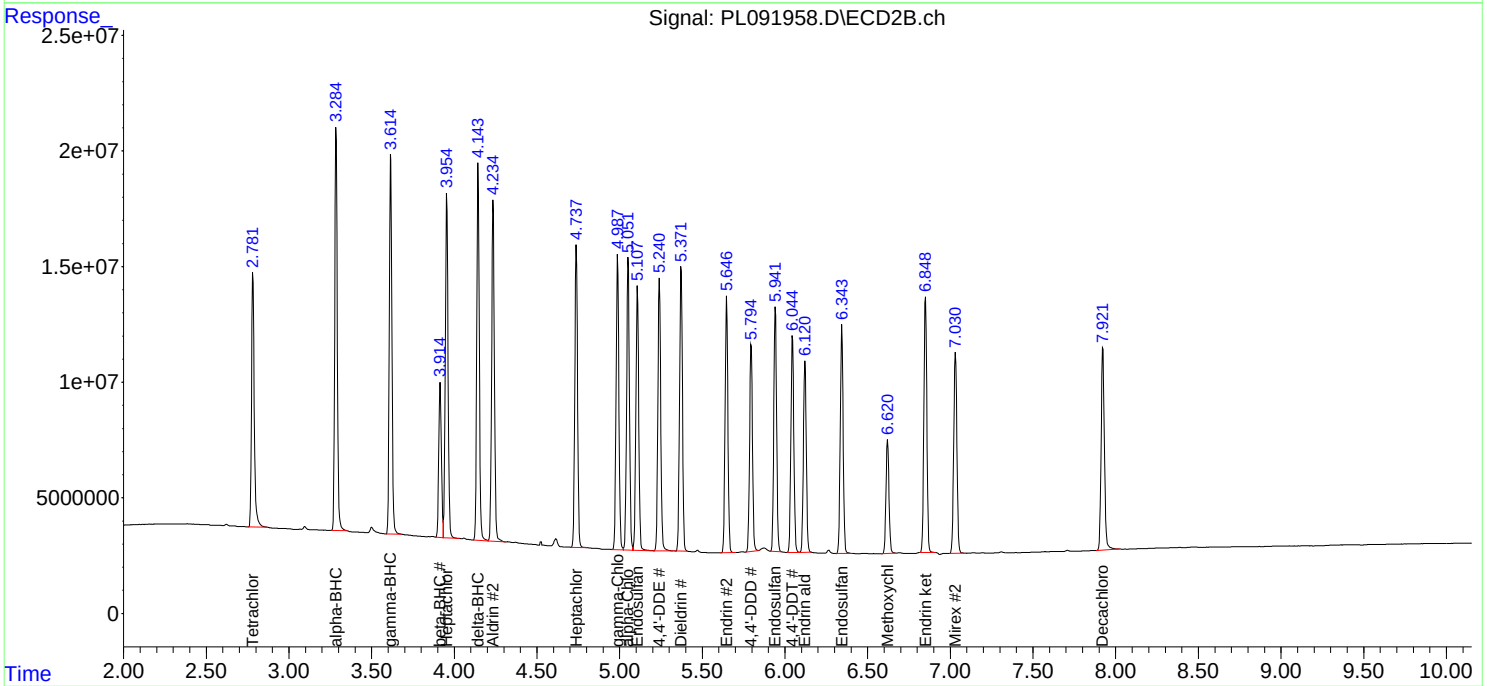
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091958.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 11:59
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:36:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:36:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091959.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 12:12
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:43:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:36:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.543	2.782	54937010	59624711	25.562	24.081
28) SA	Decachlor...	9.059	7.923	41073352	61966386	26.102	25.603
	Target Compounds						
2) A	alpha-BHC	3.999	3.286	74074890	85371658	24.618	23.028
3) MA	gamma-BHC...	4.331	3.616	73865719	82813172	24.949	23.172
4) MA	Heptachlor	4.920	3.955	68298152	80960696	25.948	23.711
5) MB	Aldrin	5.262	4.236	67254977	79381808	25.427	23.273
6) B	beta-BHC	4.529	3.915	32575804	35498092	25.846	24.409
7) B	delta-BHC	4.776	4.145	69935067	80745917	25.033	22.996
8) B	Heptachlo...	5.687	4.738	62343383	71825079	25.729m	23.996
9) A	Endosulfan I	6.074	5.108	57087002	65341726	25.971	23.963
10) B	gamma-Chl...	5.945	4.988	60585043	71022919	25.753	23.664
11) B	alpha-Chl...	6.023	5.052	60598011	71035000	25.826	23.875
12) B	4,4'-DDE	6.197	5.241	52611782	65370544	25.389	23.409
13) MA	Dieldrin	6.349	5.372	59510130	68975524	25.589	23.441
14) MA	Endrin	6.579	5.648	50407587	61937887	25.643	23.666
15) B	Endosulfa...	6.799	5.942	54023259	59969308	26.279	24.074
16) A	4,4'-DDD	6.714	5.796	43620120	49823326	25.949	23.231
17) MA	4,4'-DDT	7.028	6.046	45112797	54599950	25.676	23.382
18) B	Endrin al...	6.928	6.121	43011520	49279615	26.244	24.545
19) B	Endosulfa...	7.163	6.344	49193811	57864995	26.187	24.256
20) A	Methoxychlor	7.503	6.621	24340566	30579607	25.836	24.922
21) B	Endrin ke...	7.648	6.850	53814546	66992334	25.715	24.281
22)	Mirex	8.121	7.031	45018343	60930117	26.603	26.015

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091959.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 12:12
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

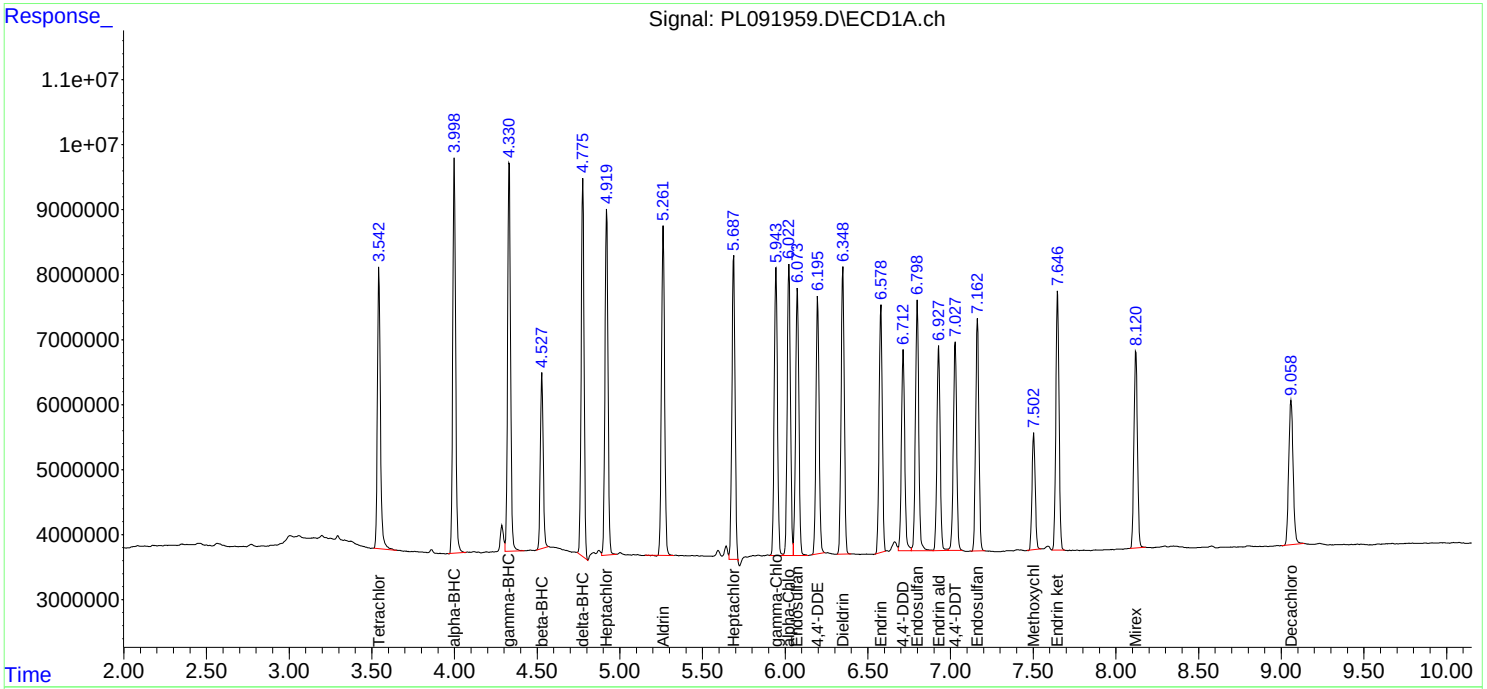
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

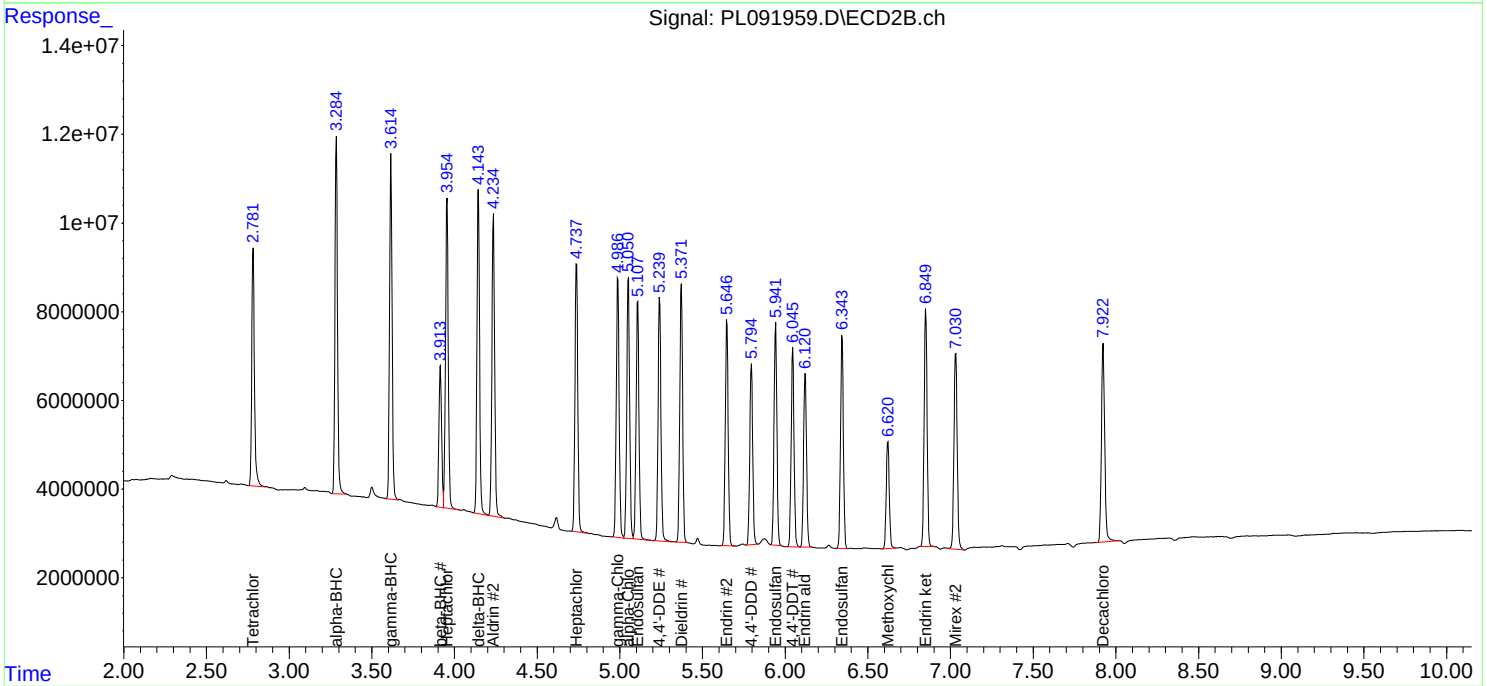
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:43:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:36:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091960.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 12:26
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:47:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:46:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.543	2.782	12633129	13182145	5.679	5.256
28) SA	Decachlor...	9.059	7.923	9484821	14143204	5.790	5.653
	Target Compounds						
2) A	alpha-BHC	3.999	3.285	17234641	16938621	5.566	4.649
3) MA	gamma-BHC...	4.331	3.615	18256381	16798623	5.891	4.758
4) MA	Heptachlor	4.919	3.955	16494140	17975038	5.973m	5.209
5) MB	Aldrin	5.262	4.235	16538396	16809155	5.954	4.942
6) B	beta-BHC	4.529	3.915	7951520	8491709	5.995	5.649
7) B	delta-BHC	4.774	4.144	16230374	16566283	5.661m	4.772
8) B	Heptachlo...	5.687	4.737	15229887	15706926	6.010m	5.196
9) A	Endosulfan I	6.074	5.108	13873483	14080406	5.997	5.130
10) B	gamma-Chl...	5.944	4.988	14729856	15187516	5.961	5.048
11) B	alpha-Chl...	6.023	5.052	14655099	15333163	5.949	5.122
12) B	4,4'-DDE	6.196	5.241	12666670	13620254	5.852	4.901
13) MA	Dieldrin	6.349	5.372	14459648	14445705	5.929	4.927
14) MA	Endrin	6.578	5.647	12202391	13210948	5.921	5.038
15) B	Endosulfa...	6.798	5.942	13878055	12738836	6.309	5.091
16) A	4,4'-DDD	6.713	5.795	11272715	10512441	6.382	4.921
17) MA	4,4'-DDT	7.027	6.046	10890247	11127077	5.915	4.810
18) B	Endrin al...	6.928	6.122	10790390	10863269	6.192	5.323
19) B	Endosulfa...	7.162	6.345	11985801	12600844	6.046	5.223
20) A	Methoxychlor	7.502	6.621	5700396	6718459	5.819m	5.373
21) B	Endrin ke...	7.647	6.848	13084630	14041873	5.954	5.068m
22)	Mirex	8.120	7.031	11179921	13974423	6.208	5.745

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091960.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 12:26
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

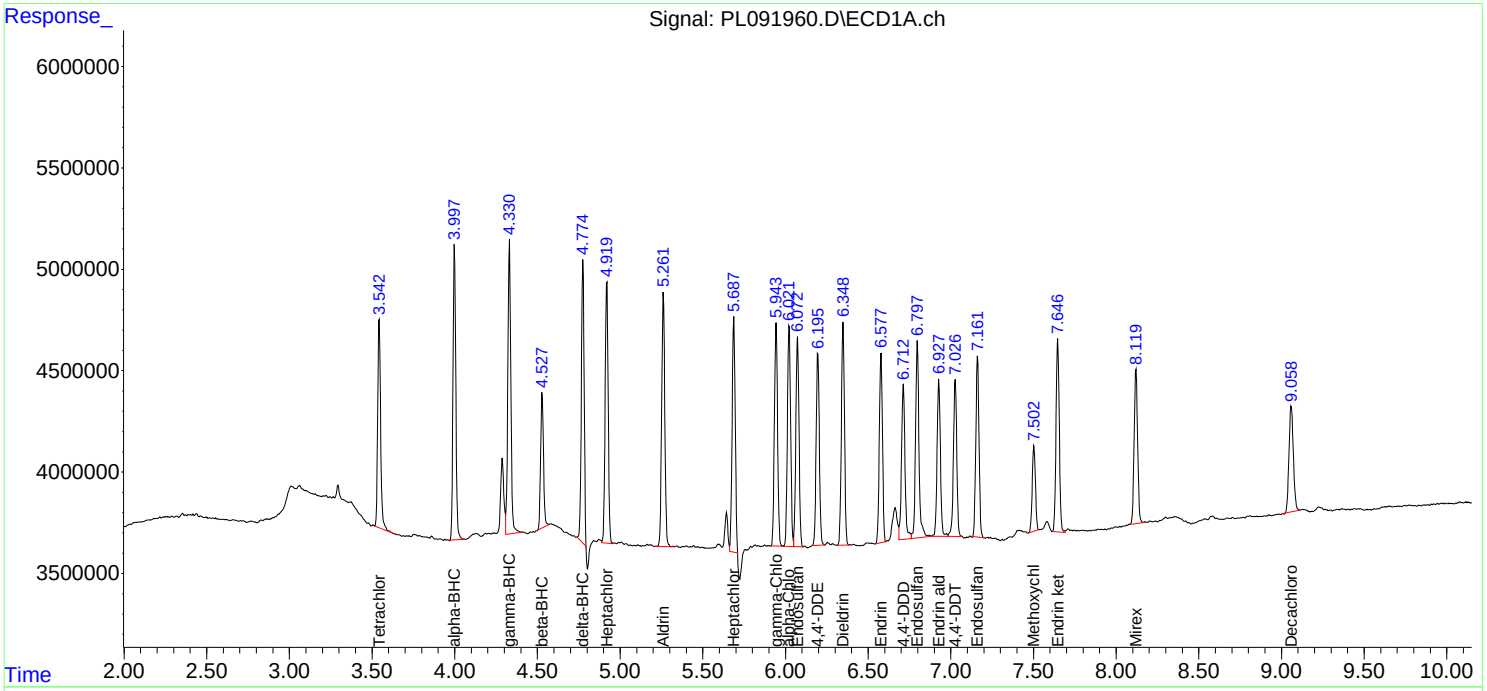
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

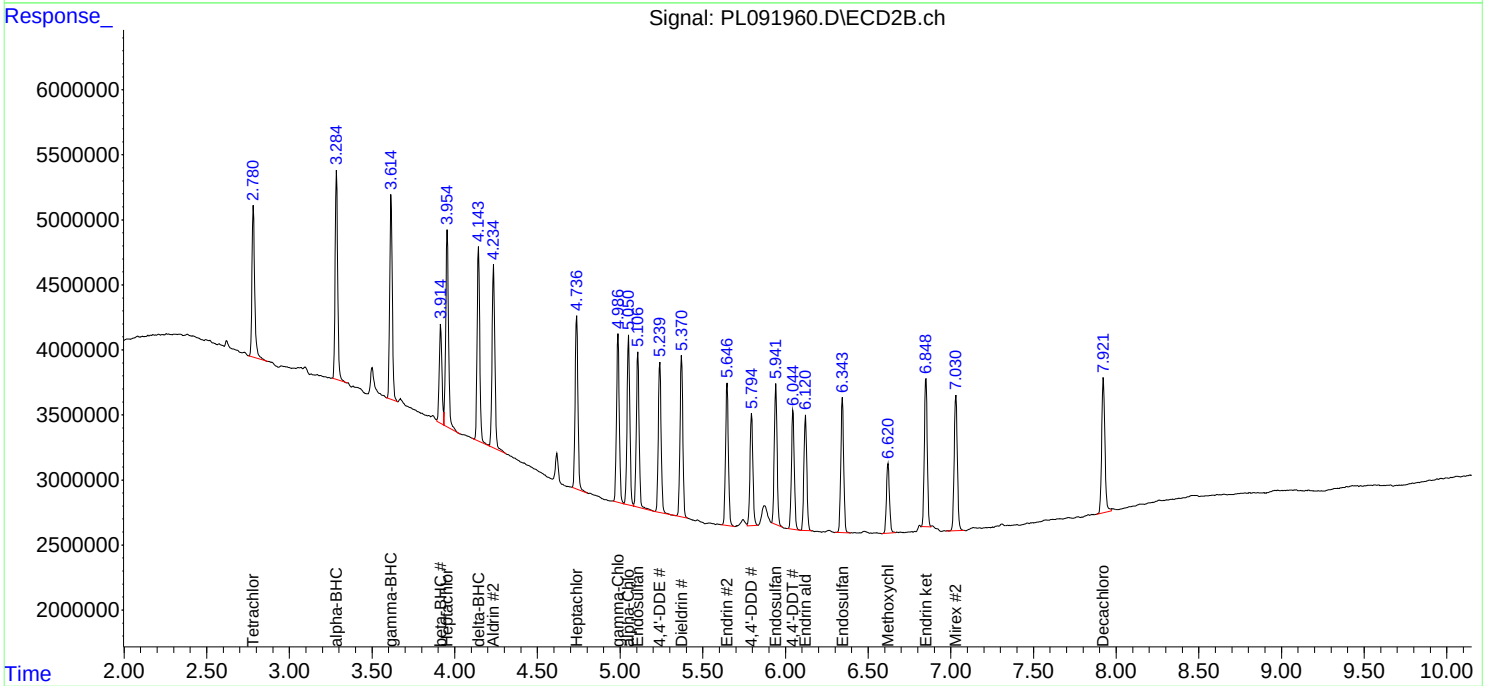
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:47:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 12:46:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091963.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 13:06
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: Sep 23 13:20:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 13:20:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.544	2.782	105.7E6	151.2E6	50.000	50.000
28)	SA Decachlor...	9.061	7.924	78626748	121.3E6	50.000	50.000
	Target Compounds						
23)	Chlordane-1	4.706	3.781	49457629	49048818	500.000	500.000
24)	Chlordane-2	5.236	4.358	51426580	54655467	500.000	500.000
25)	Chlordane-3	5.946	4.989	177.7E6	164.8E6	500.000	500.000
26)	Chlordane-4	6.028	5.051	216.0E6	157.8E6	500.000	500.000
27)	Chlordane-5	6.877	5.947	42070403	54145786	500.000	500.000

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

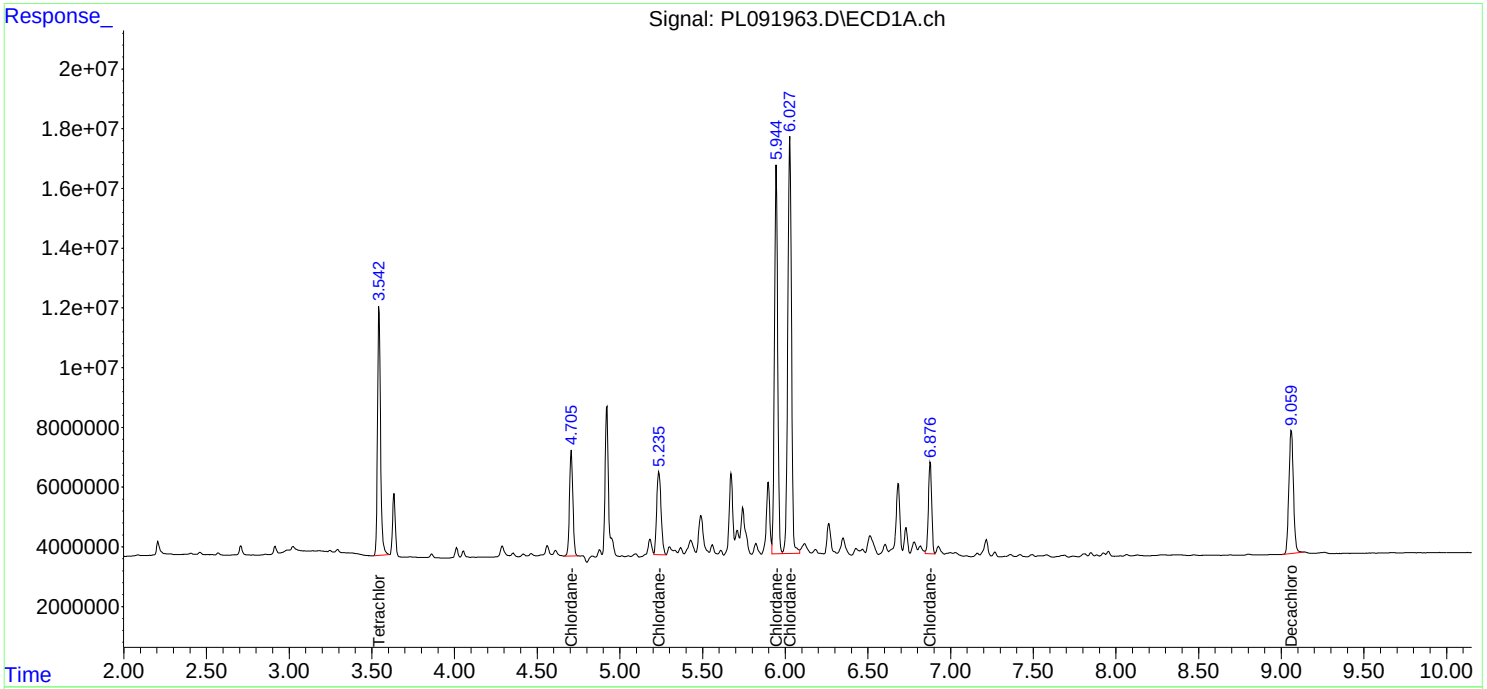
ICAL Form

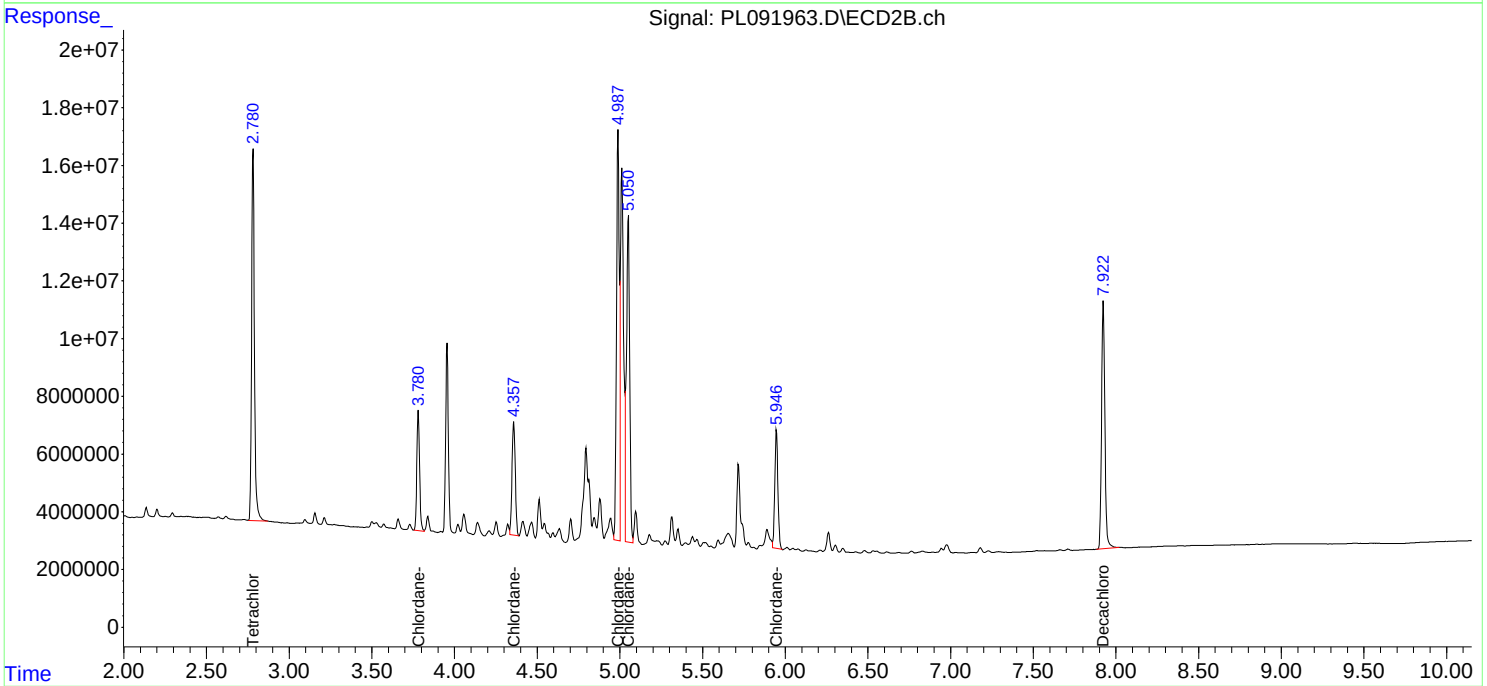
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091963.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 13:06
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 13:20:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 13:20:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091968.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 14:13
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: Sep 23 14:27:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:27:33 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...	3.544	2.783	109.5E6	128.2E6	50.000	50.000
7) SA	Decachlor...	9.061	7.924	79903287	127.0E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	6.242	5.013	11332642	9046791	500.000	500.000
3)	Toxaphene-2	6.446	5.338	6961013	8635853	500.000	500.000
4)	Toxaphene-3	7.064	6.612	35480266	31997930	500.000	500.000
5)	Toxaphene-4	7.154	6.740	26925608	44333132	500.000	500.000
6)	Toxaphene-5	7.939	7.053	19863490	30174872	500.000	500.000

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

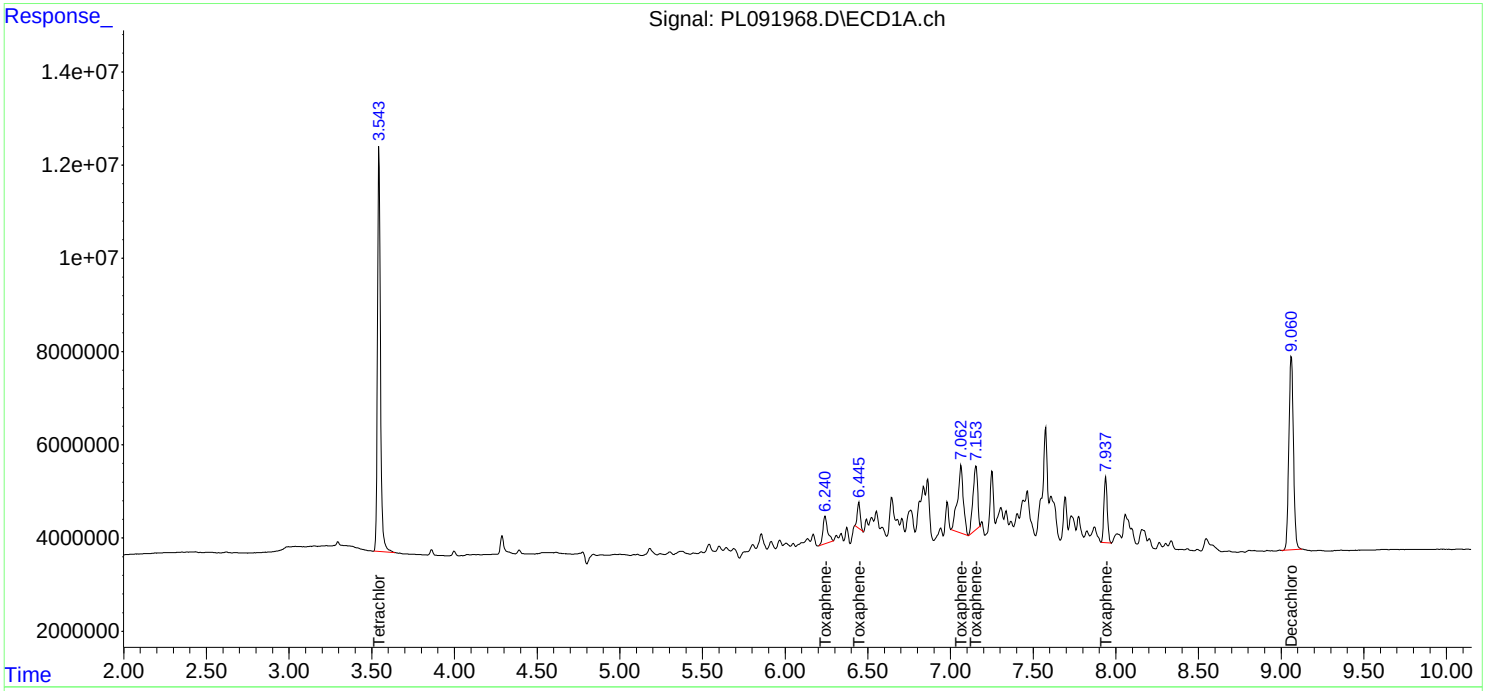
ICAL Form

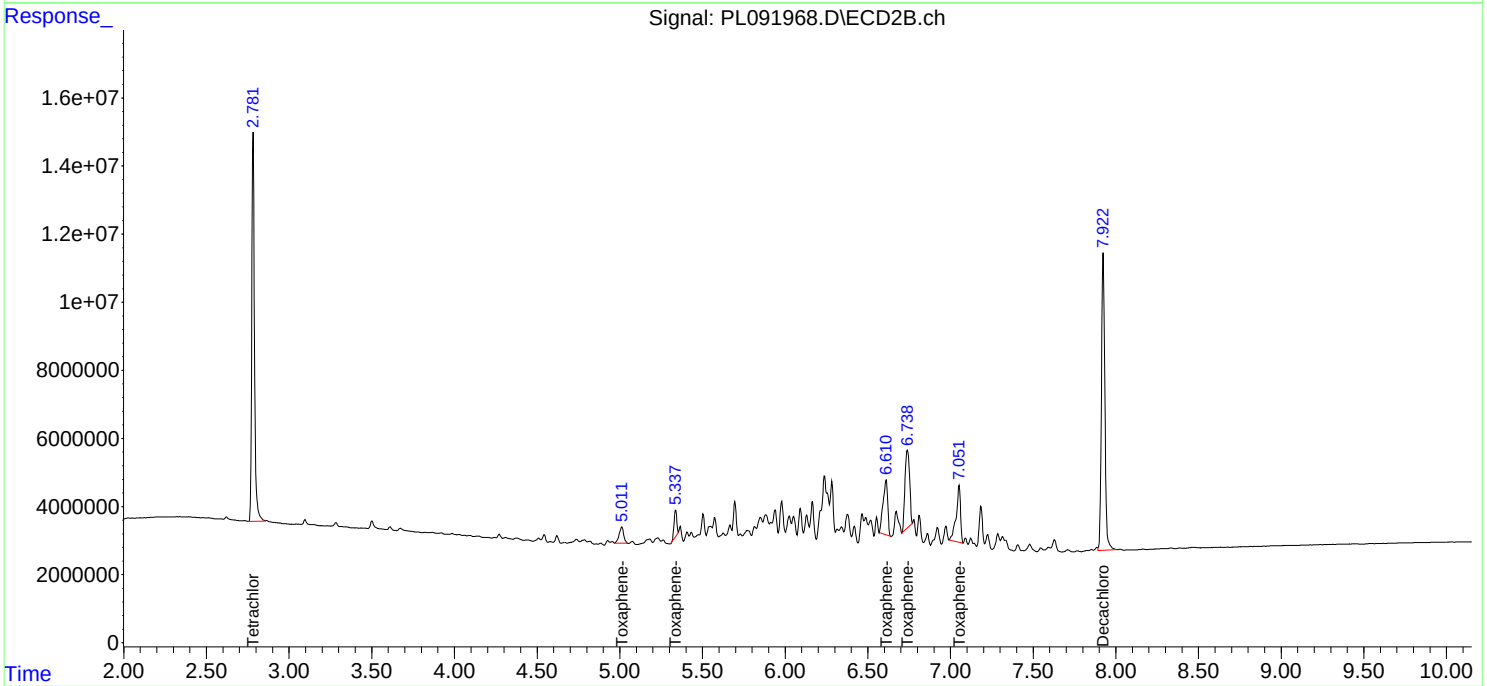
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091968.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 14:13
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:27:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:27:33 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091971.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 14:53
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL092324

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:03:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:03:20 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...	3.544	2.783	109.9E6	128.4E6	49.390	51.205
28) SA	Decachlor...	9.061	7.924	80630291	124.4E6	49.218	49.714
	Target Compounds						
2) A	alpha-BHC	4.000	3.286	153.8E6	191.8E6	49.681	52.648
3) MA	gamma-BHC...	4.333	3.616	148.6E6	180.9E6	47.945	51.231
4) MA	Heptachlor	4.921	3.956	136.9E6	180.2E6	49.499	52.235
5) MB	Aldrin	5.263	4.236	131.2E6	170.0E6	47.251	49.996
6) B	beta-BHC	4.529	3.916	66146006	76950183	49.870	51.194
7) B	delta-BHC	4.777	4.145	137.2E6	174.0E6	47.561	50.106
8) B	Heptachlo...	5.689	4.739	123.2E6	152.3E6	48.400	50.380
9) A	Endosulfan I	6.075	5.109	112.6E6	141.2E6	48.653	51.437
10) B	gamma-Chl...	5.945	4.989	121.7E6	157.8E6	49.229	52.448
11) B	alpha-Chl...	6.024	5.052	120.9E6	155.4E6	49.062	51.920
12) B	4,4'-DDE	6.197	5.242	105.6E6	144.3E6	48.782	51.912
13) MA	Dieldrin	6.350	5.373	118.3E6	151.6E6	48.519	51.702
14) MA	Endrin	6.579	5.649	98509120	136.0E6	47.804	51.857
15) B	Endosulfa...	6.799	5.943	105.0E6	130.1E6	47.716	51.995
16) A	4,4'-DDD	6.715	5.796	85129062	110.7E6	47.407	51.804
17) MA	4,4'-DDT	7.029	6.047	91095429	120.5E6	49.476	52.077
18) B	Endrin al...	6.929	6.122	80636033	99387650	46.269	48.702
19) B	Endosulfa...	7.163	6.345	95965254	123.4E6	48.412	51.142
20) A	Methoxychlor	7.504	6.622	48243371	62546426	49.142	50.023
21) B	Endrin ke...	7.648	6.851	105.6E6	141.0E6	48.075	50.910
22)	Mirex	8.122	7.032	83219849	114.6E6	46.208	47.114

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

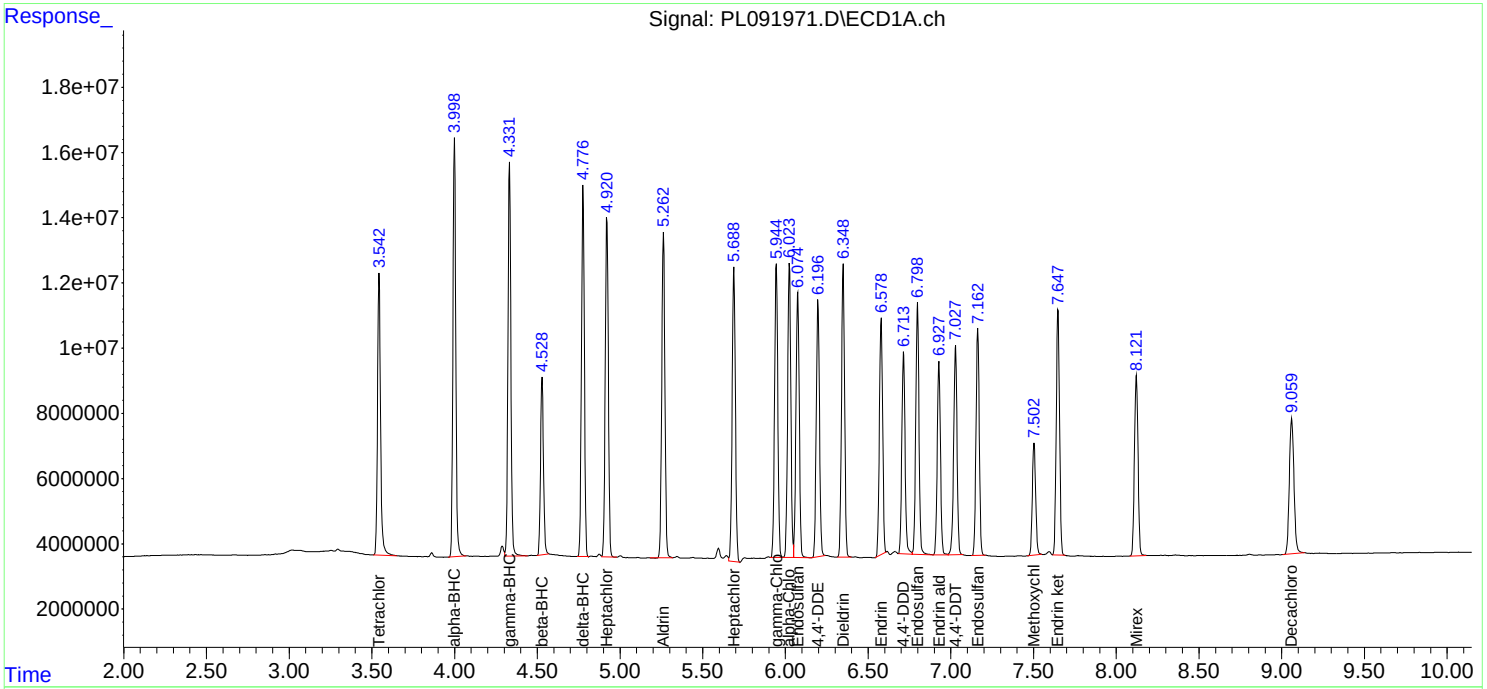
ICAL Form

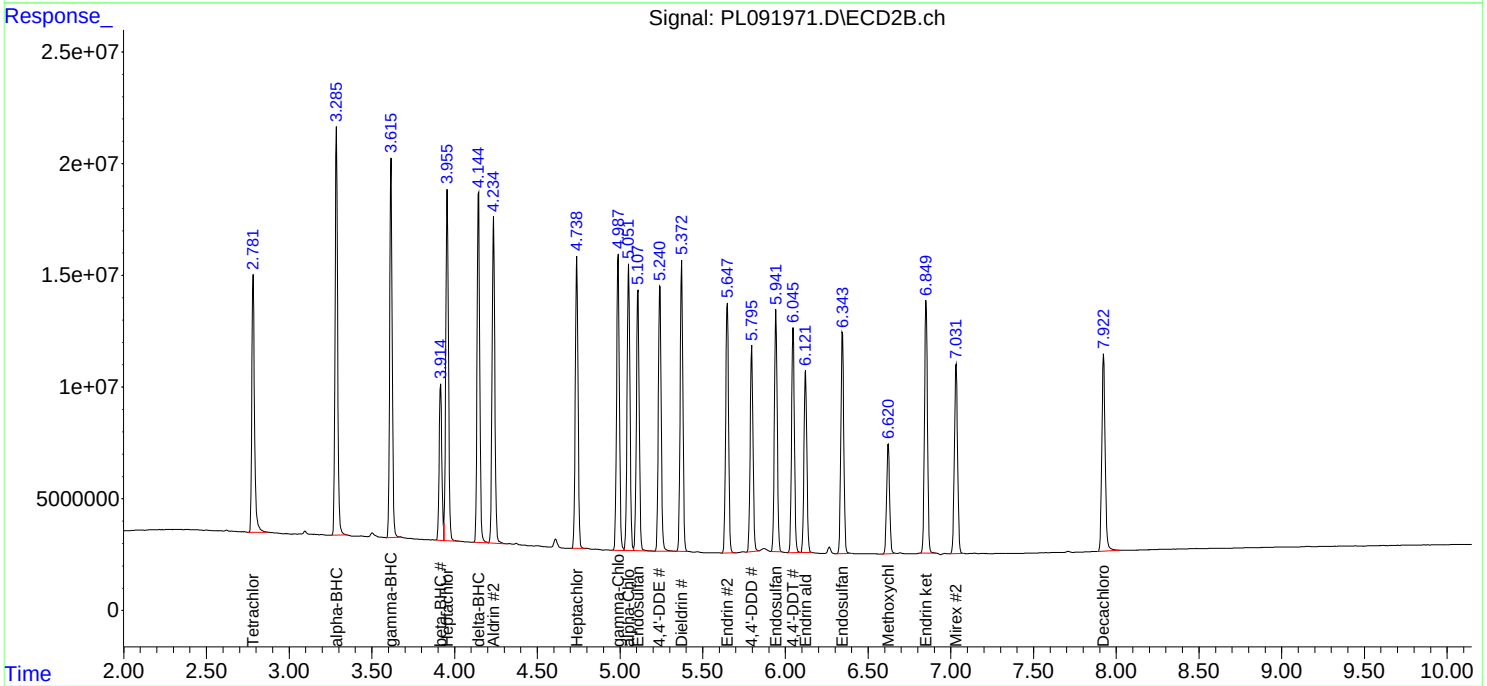
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091971.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 14:53
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL092324

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:03:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:03:20 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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091972.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 15:20
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL092324

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 16:42:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:41:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.544	2.782	106.0E6	152.5E6	48.293	49.786
28)	SA Decachlor...	9.061	7.924	78307449	122.8E6	48.429	49.154
	Target Compounds						
23)	Chlordane-1	4.706	3.781	48433111	49506810	472.544	495.163
24)	Chlordane-2	5.236	4.359	51223526	55177128	477.624	491.661
25)	Chlordane-3	5.946	4.989	177.0E6	165.6E6	472.503	499.985
26)	Chlordane-4	6.028	5.052	215.1E6	156.2E6	474.993	492.258
27)	Chlordane-5	6.877	5.948	42165256	54383336	483.464	501.463

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

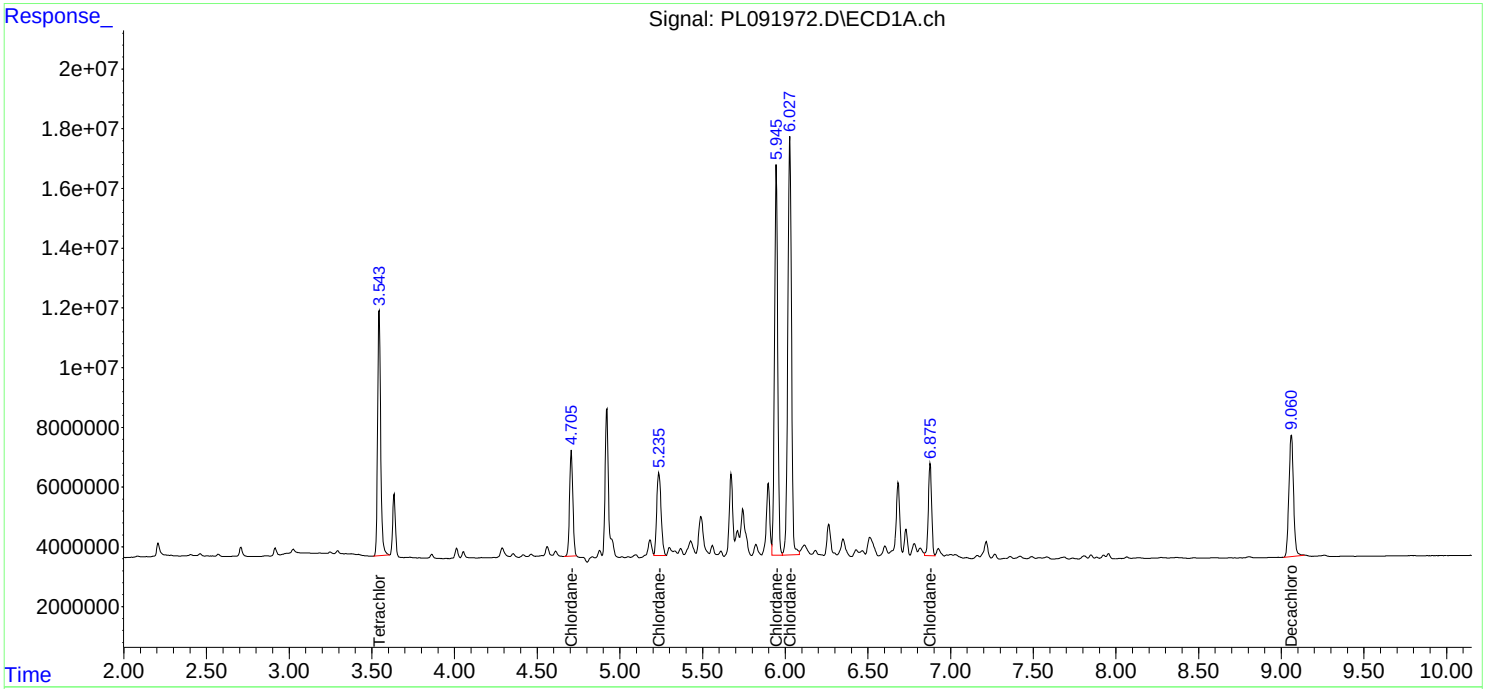
ICAL Form

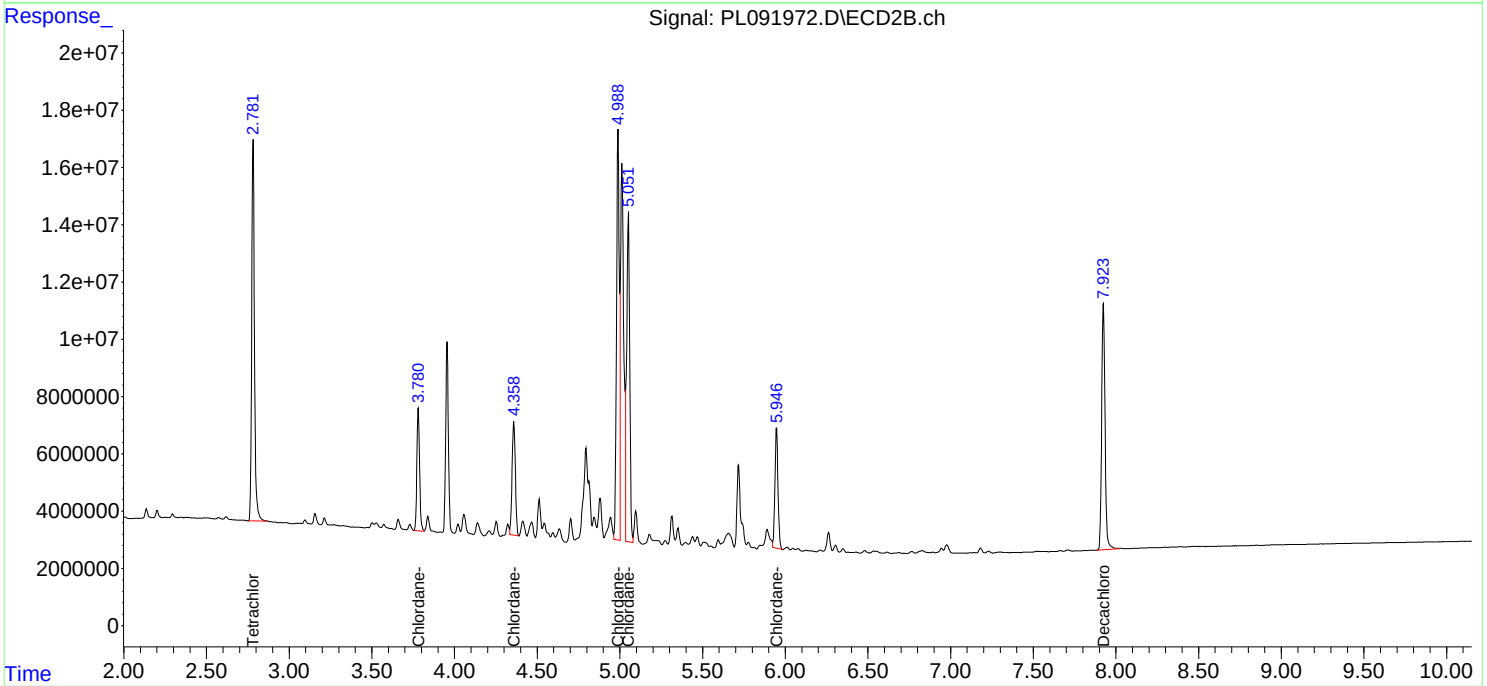
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091972.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 15:20
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL092324

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 16:42:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:41:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091973.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 15:47
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL092324

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:57:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:51:37 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...	3.544	2.783	106.0E6	124.1E6	46.888	47.823
7) SA	Decachlor...	9.061	7.924	76815884	122.2E6	46.636	47.394
	Target Compounds						
2)	Toxaphene-1	6.241	5.013	11013305	8801665	475.036	483.177
3)	Toxaphene-2	6.445	5.337	6784732	8482784	470.031	485.233
4)	Toxaphene-3	7.062	6.611	33644733	30213842	462.251	489.402
5)	Toxaphene-4	7.154	6.740	25440428	43005290	460.778	489.466
6)	Toxaphene-5	7.938	7.052	19006455	28140333	465.831	472.098

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

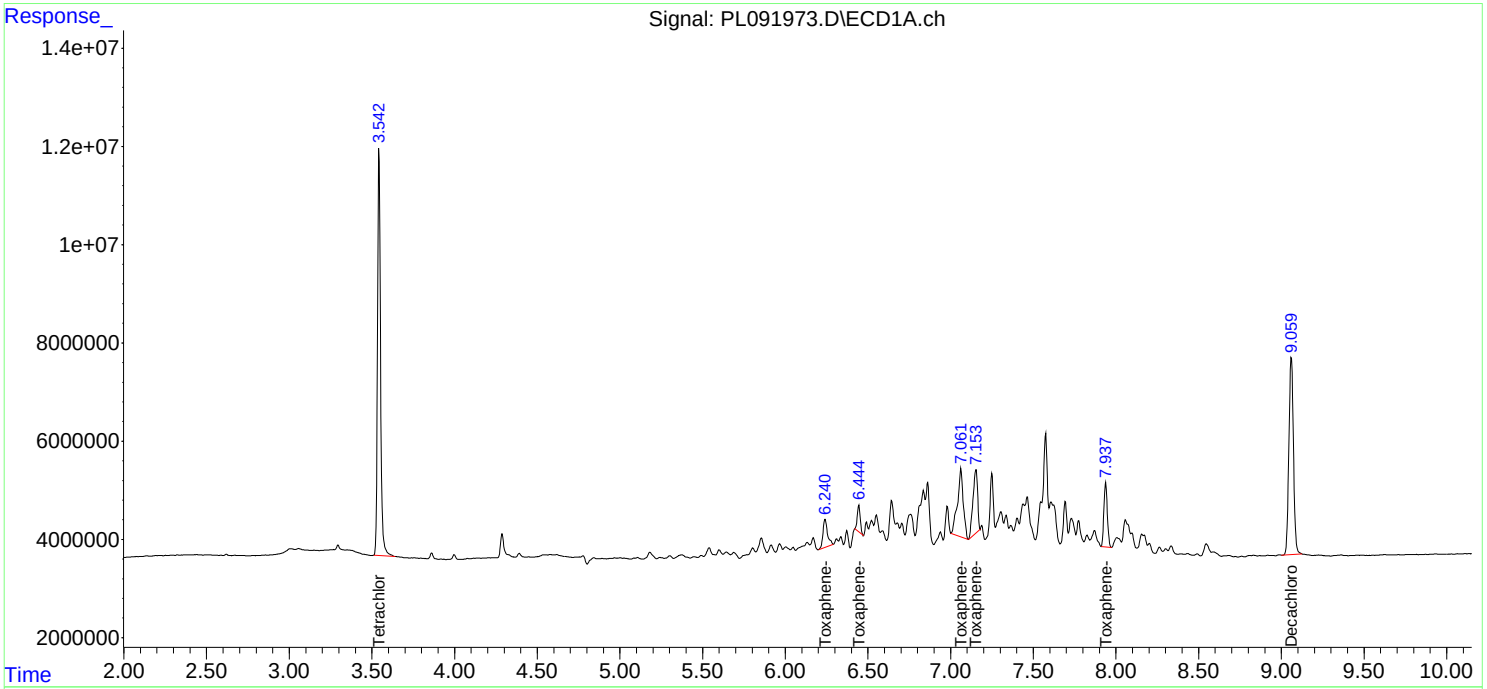
ICAL Form

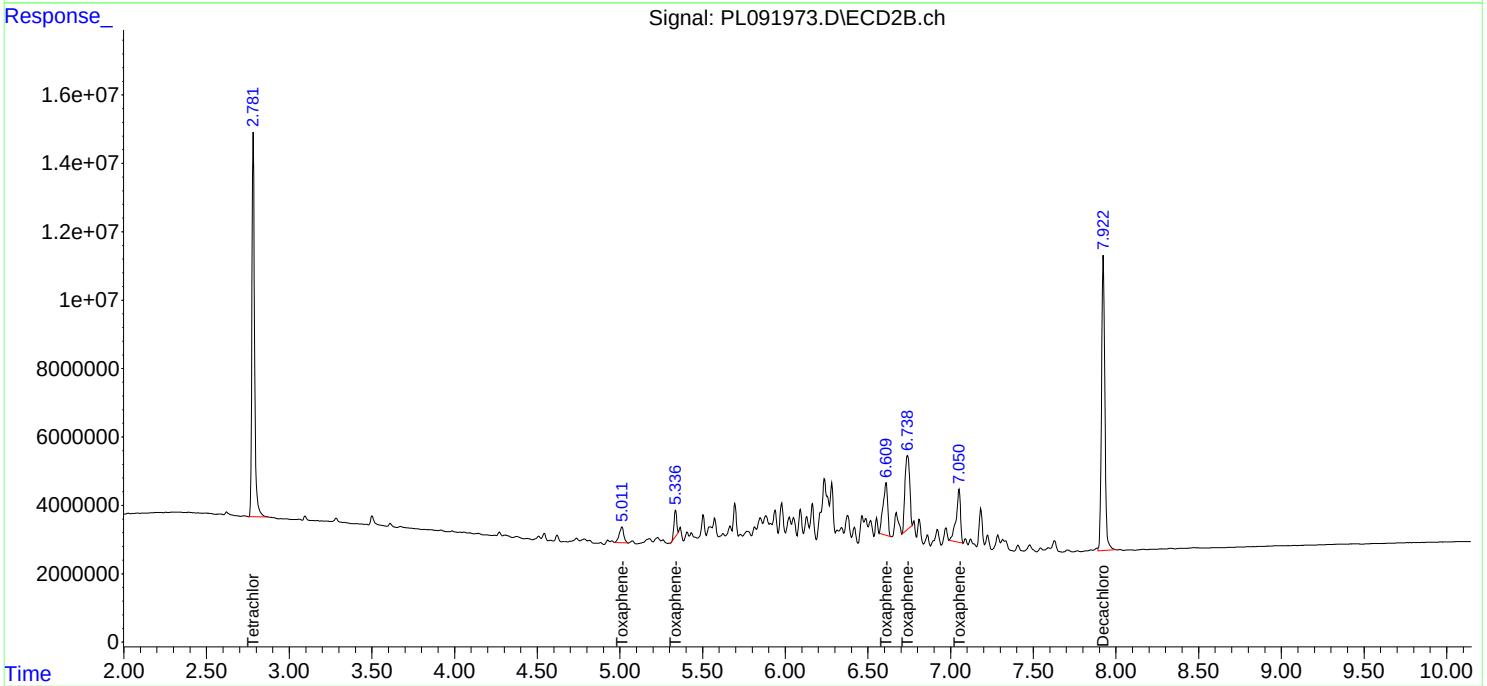
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091973.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 15:47
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL092324

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:57:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:51:37 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL092330.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 09/23/2024 09/23/2024

Continuing Calib Time: 11:54 **Initial Calibration Time(s):** 11:32 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.78	4.68	4.88	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	5.68	5.69	5.59	5.79	0.01
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.20	6.10	6.30	0.01
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.80	6.80	6.70	6.90	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	7.03	7.03	6.93	7.13	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.65	7.55	7.75	0.00
Endrin aldehyde	6.93	6.93	6.83	7.03	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.95	5.85	6.05	0.01

Raw Data: **PL092330.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 09/23/2024 09/23/2024

Continuing Calib Time: 11:54 **Initial Calibration Time(s):** 11:32 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.29	3.19	3.39	0.01
beta-BHC	3.91	3.92	3.82	4.02	0.01
delta-BHC	4.14	4.15	4.05	4.25	0.01
gamma-BHC (Lindane)	3.61	3.62	3.52	3.72	0.01
Heptachlor	3.95	3.96	3.86	4.06	0.01
Aldrin	4.23	4.24	4.14	4.34	0.01
Heptachlor epoxide	4.73	4.74	4.64	4.84	0.01
Endosulfan I	5.10	5.11	5.01	5.21	0.01
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.23	5.24	5.14	5.34	0.01
Endrin	5.64	5.65	5.55	5.75	0.01
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.80	5.70	5.90	0.01
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.05	5.95	6.15	0.01
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.84	6.85	6.75	6.95	0.01
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.99	4.89	5.09	0.01

Raw Data: **PL092330.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092330.D **Time Analyzed:** 11:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.710	6.614	6.814	53.460	50.000	6.9
4,4'-DDE	6.194	6.097	6.297	52.750	50.000	5.5
4,4'-DDT	7.026	6.928	7.128	52.610	50.000	5.2
Aldrin	5.259	5.163	5.363	51.260	50.000	2.5
alpha-BHC	3.996	3.899	4.099	52.740	50.000	5.5
alpha-Chlordane	6.019	5.924	6.124	51.550	50.000	3.1
beta-BHC	4.525	4.429	4.629	51.990	50.000	4.0
Decachlorobiphenyl	9.059	8.960	9.160	55.090	50.000	10.2
delta-BHC	4.773	4.677	4.877	52.840	50.000	5.7
Dieldrin	6.346	6.249	6.449	51.740	50.000	3.5
Endosulfan I	6.071	5.975	6.175	54.100	50.000	8.2
Endosulfan II	6.796	6.698	6.898	50.260	50.000	0.5
Endosulfan sulfate	7.161	7.063	7.263	51.970	50.000	3.9
Endrin	6.576	6.479	6.679	51.260	50.000	2.5
Endrin aldehyde	6.926	6.828	7.028	51.670	50.000	3.3
Endrin ketone	7.646	7.548	7.748	52.510	50.000	5.0
gamma-BHC (Lindane)	4.328	4.232	4.432	51.140	50.000	2.3
gamma-Chlordane	5.940	5.845	6.045	51.870	50.000	3.7
Heptachlor	4.917	4.820	5.020	52.270	50.000	4.5
Heptachlor epoxide	5.684	5.589	5.789	53.130	50.000	6.3
Methoxychlor	7.502	7.404	7.604	54.430	50.000	8.9
Tetrachloro-m-xylene	3.540	3.444	3.644	52.510	50.000	5.0

Raw Data: **PL092330.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092330.D **Time Analyzed:** 11:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.791	5.696	5.896	58.370	50.000	16.7
4,4'-DDE	5.234	5.141	5.341	56.900	50.000	13.8
4,4'-DDT	6.041	5.946	6.146	54.730	50.000	9.5
Aldrin	4.229	4.135	4.335	54.360	50.000	8.7
alpha-BHC	3.281	3.186	3.386	54.900	50.000	9.8
alpha-Chlordane	5.046	4.952	5.152	54.300	50.000	8.6
beta-BHC	3.910	3.815	4.015	53.590	50.000	7.2
Decachlorobiphenyl	7.919	7.823	8.023	53.150	50.000	6.3
delta-BHC	4.138	4.045	4.245	55.480	50.000	11.0
Dieldrin	5.367	5.272	5.472	55.180	50.000	10.4
Endosulfan I	5.102	5.008	5.208	48.570	50.000	-2.9
Endosulfan II	5.938	5.842	6.042	55.090	50.000	10.2
Endosulfan sulfate	6.340	6.244	6.444	54.710	50.000	9.4
Endrin	5.642	5.548	5.748	54.170	50.000	8.3
Endrin aldehyde	6.117	6.022	6.222	54.520	50.000	9.0
Endrin ketone	6.844	6.750	6.950	56.540	50.000	13.1
gamma-BHC (Lindane)	3.611	3.516	3.716	54.380	50.000	8.8
gamma-Chlordane	4.982	4.888	5.088	54.910	50.000	9.8
Heptachlor	3.950	3.855	4.055	53.910	50.000	7.8
Heptachlor epoxide	4.732	4.638	4.838	53.980	50.000	8.0
Methoxychlor	6.616	6.521	6.721	54.680	50.000	9.4
Tetrachloro-m-xylene	2.778	2.682	2.882	53.400	50.000	6.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 11:54
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 12:24:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 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	116.8E6	133.9E6	52.513	53.403
28) SA	Decachlor...	9.059	7.919	90244874	133.0E6	55.087	53.146
	Target Compounds						
2) A	alpha-BHC	3.996	3.281	163.3E6	200.0E6	52.737	54.895
3) MA	gamma-BHC...	4.328	3.611	158.5E6	192.0E6	51.144	54.382
4) MA	Heptachlor	4.917	3.950	144.5E6	186.0E6	52.266	53.908
5) MB	Aldrin	5.259	4.229	142.4E6	184.9E6	51.263	54.355m
6) B	beta-BHC	4.525	3.910	68964078	80556582	51.994	53.594
7) B	delta-BHC	4.773	4.138	152.4E6	192.6E6	52.838	55.484m
8) B	Heptachlo...	5.684	4.732	135.2E6	163.2E6	53.134m	53.982
9) A	Endosulfan I	6.071	5.102	125.2E6	133.3E6	54.104	48.571
10) B	gamma-Chl...	5.940	4.982	128.2E6	165.2E6	51.870m	54.908
11) B	alpha-Chl...	6.019	5.046	127.0E6	162.5E6	51.553m	54.299
12) B	4,4'-DDE	6.194	5.234	114.2E6	158.1E6	52.751	56.903m
13) MA	Dieldrin	6.346	5.367	126.2E6	161.8E6	51.738	55.180
14) MA	Endrin	6.576	5.642	105.6E6	142.1E6	51.258	54.175
15) B	Endosulfa...	6.796	5.938	110.6E6	137.9E6	50.258	55.095
16) A	4,4'-DDD	6.710	5.791	96000402	124.7E6	53.461m	58.368
17) MA	4,4'-DDT	7.026	6.041	96864026	126.6E6	52.609	54.728
18) B	Endrin al...	6.926	6.117	90055776	111.3E6	51.674	54.524
19) B	Endosulfa...	7.161	6.340	103.0E6	132.0E6	51.970	54.705
20) A	Methoxychlor	7.502	6.616	53431758	68370093	54.427	54.681
21) B	Endrin ke...	7.646	6.844	115.4E6	156.5E6	52.507	56.536m
22)	Mirex	8.119	7.025	91532342	125.5E6	50.823	51.585m

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

Sample Results: **PL092330.D**

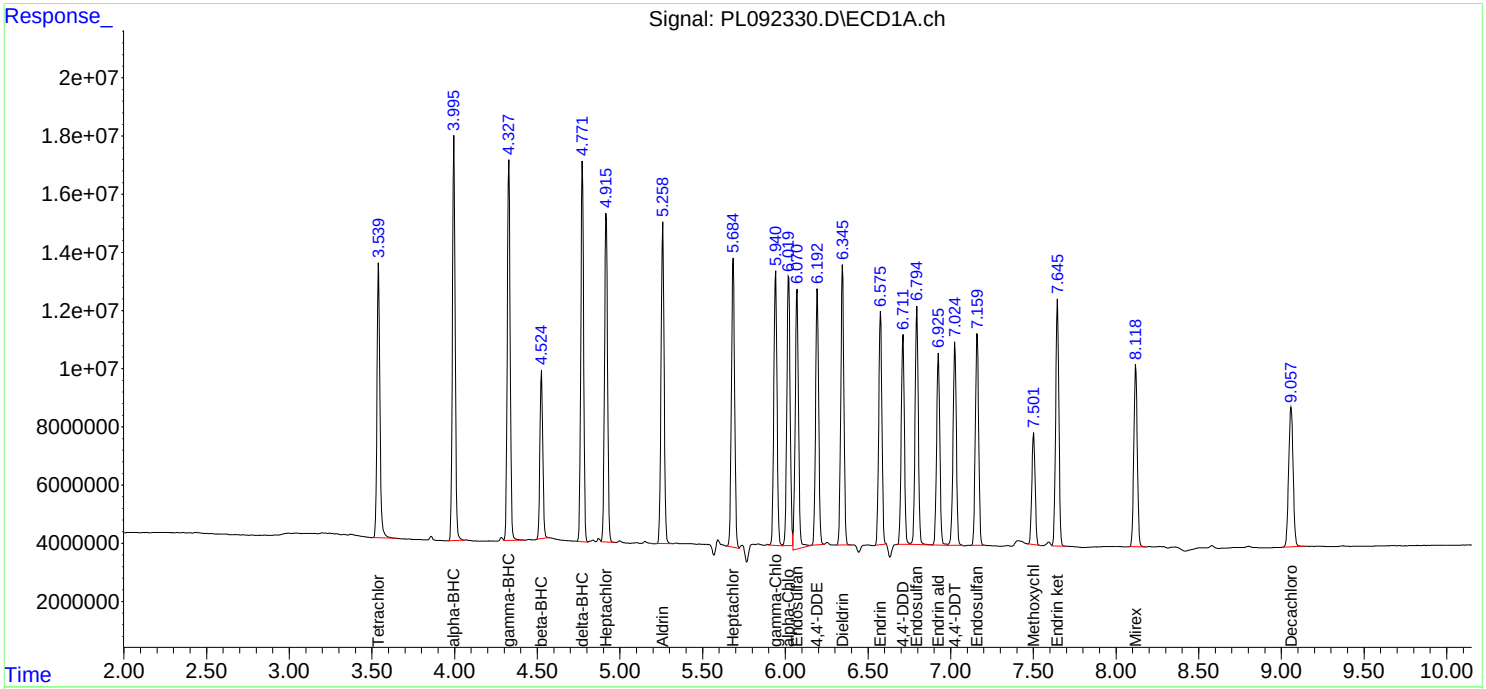
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 11:54
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

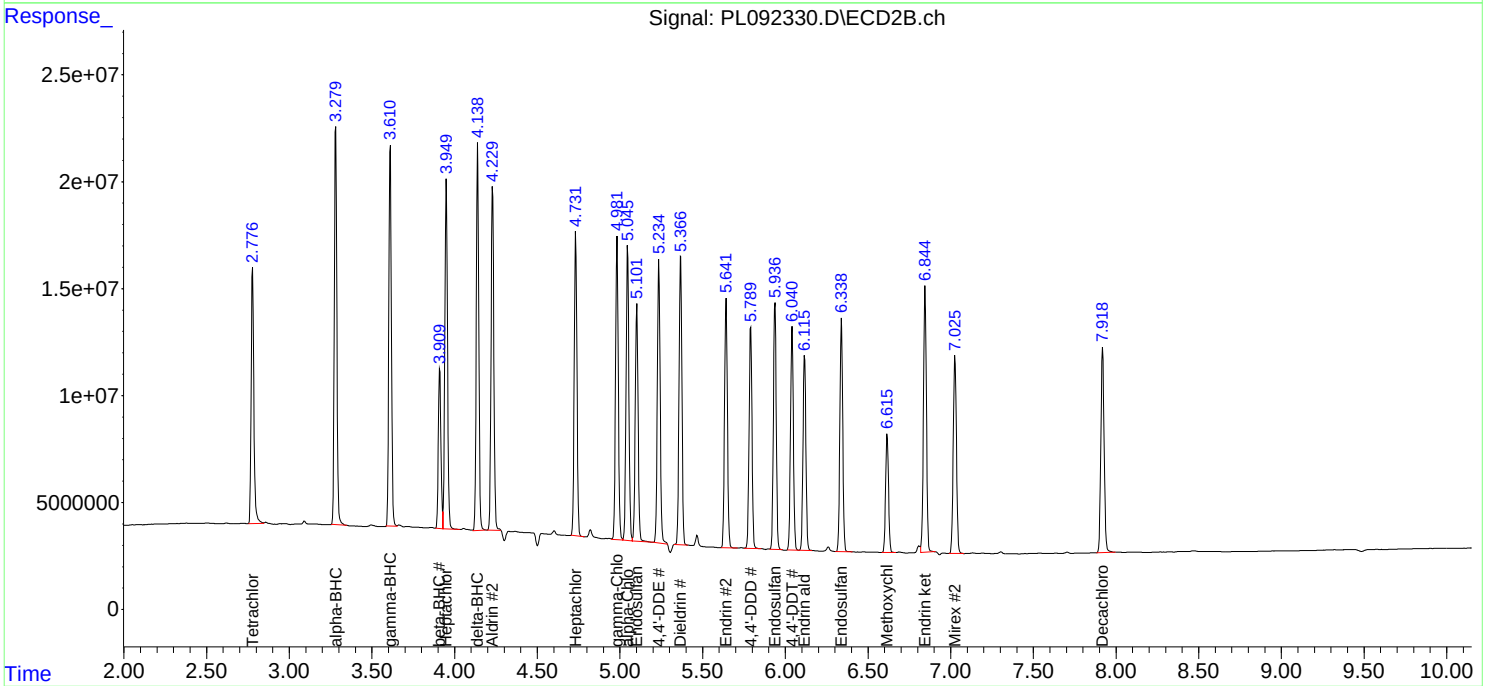
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 12:24:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL092347.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 09/23/2024 09/23/2024

Continuing Calib Time: 17:48 **Initial Calibration Time(s):** 11:32 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.78	4.68	4.88	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.80	6.80	6.70	6.90	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	7.03	7.03	6.93	7.13	0.00
Methoxychlor	7.51	7.50	7.40	7.60	-0.01
Endrin ketone	7.65	7.65	7.55	7.75	0.00
Endrin aldehyde	6.93	6.93	6.83	7.03	0.00
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

Raw Data: **PL092347.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 09/23/2024 09/23/2024

Continuing Calib Time: 17:48 **Initial Calibration Time(s):** 11:32 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.29	3.19	3.39	0.01
beta-BHC	3.91	3.92	3.82	4.02	0.01
delta-BHC	4.14	4.15	4.05	4.25	0.01
gamma-BHC (Lindane)	3.61	3.62	3.52	3.72	0.01
Heptachlor	3.95	3.96	3.86	4.06	0.01
Aldrin	4.23	4.24	4.14	4.34	0.01
Heptachlor epoxide	4.74	4.74	4.64	4.84	0.00
Endosulfan I	5.10	5.11	5.01	5.21	0.01
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	5.65	5.65	5.55	5.75	0.01
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.80	5.70	5.90	0.01
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.05	5.95	6.15	0.01
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.85	6.75	6.95	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	4.99	4.89	5.09	0.01

Raw Data: **PL092347.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092347.D **Time Analyzed:** 17:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.714	6.614	6.814	50.090	50.000	0.2
4,4'-DDE	6.198	6.097	6.297	49.040	50.000	-1.9
4,4'-DDT	7.029	6.928	7.128	46.250	50.000	-7.5
Aldrin	5.263	5.163	5.363	48.640	50.000	-2.7
alpha-BHC	4.000	3.899	4.099	50.680	50.000	1.4
alpha-Chlordane	6.025	5.924	6.124	48.780	50.000	-2.4
beta-BHC	4.530	4.429	4.629	49.240	50.000	-1.5
Decachlorobiphenyl	9.062	8.960	9.160	48.480	50.000	-3.0
delta-BHC	4.777	4.677	4.877	50.290	50.000	0.6
Dieldrin	6.351	6.249	6.449	47.990	50.000	-4.0
Endosulfan I	6.076	5.975	6.175	48.510	50.000	-3.0
Endosulfan II	6.800	6.698	6.898	45.520	50.000	-9.0
Endosulfan sulfate	7.164	7.063	7.263	47.180	50.000	-5.6
Endrin	6.579	6.479	6.679	46.970	50.000	-6.1
Endrin aldehyde	6.931	6.828	7.028	46.650	50.000	-6.7
Endrin ketone	7.649	7.548	7.748	47.620	50.000	-4.8
gamma-BHC (Lindane)	4.332	4.232	4.432	48.830	50.000	-2.3
gamma-Chlordane	5.945	5.845	6.045	47.960	50.000	-4.1
Heptachlor	4.922	4.820	5.020	49.860	50.000	-0.3
Heptachlor epoxide	5.690	5.589	5.789	49.360	50.000	-1.3
Methoxychlor	7.505	7.404	7.604	48.210	50.000	-3.6
Tetrachloro-m-xylene	3.544	3.444	3.644	50.410	50.000	0.8

Raw Data: **PL092347.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092347.D **Time Analyzed:** 17:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.793	5.696	5.896	56.110	50.000	12.2
4,4'-DDE	5.236	5.141	5.341	52.770	50.000	5.5
4,4'-DDT	6.044	5.946	6.146	47.860	50.000	-4.3
Aldrin	4.230	4.135	4.335	51.730	50.000	3.5
alpha-BHC	3.282	3.186	3.386	52.640	50.000	5.3
alpha-Chlordane	5.048	4.952	5.152	50.970	50.000	1.9
beta-BHC	3.911	3.815	4.015	50.680	50.000	1.4
Decachlorobiphenyl	7.921	7.823	8.023	45.400	50.000	-9.2
delta-BHC	4.141	4.045	4.245	53.940	50.000	7.9
Dieldrin	5.369	5.272	5.472	50.980	50.000	2.0
Endosulfan I	5.104	5.008	5.208	50.400	50.000	0.8
Endosulfan II	5.940	5.842	6.042	50.720	50.000	1.4
Endosulfan sulfate	6.342	6.244	6.444	49.690	50.000	-0.6
Endrin	5.645	5.548	5.748	50.020	50.000	0.0
Endrin aldehyde	6.119	6.022	6.222	49.550	50.000	-0.9
Endrin ketone	6.848	6.750	6.950	49.250	50.000	-1.5
gamma-BHC (Lindane)	3.612	3.516	3.716	51.940	50.000	3.9
gamma-Chlordane	4.984	4.888	5.088	51.480	50.000	3.0
Heptachlor	3.951	3.855	4.055	50.810	50.000	1.6
Heptachlor epoxide	4.735	4.638	4.838	51.060	50.000	2.1
Methoxychlor	6.618	6.521	6.721	47.490	50.000	-5.0
Tetrachloro-m-xylene	2.779	2.682	2.882	52.200	50.000	4.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092347.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 17:48
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 01:35:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.544	2.779	112.2E6	130.9E6	50.413	52.204
28) SA	Decachlor...	9.062	7.921	79418216	113.6E6	48.478	45.396
	Target Compounds						
2) A	alpha-BHC	4.000	3.282	156.9E6	191.8E6	50.680	52.638
3) MA	gamma-BHC...	4.332	3.612	151.3E6	183.4E6	48.829	51.935
4) MA	Heptachlor	4.922	3.951	137.9E6	175.3E6	49.859	50.814
5) MB	Aldrin	5.263	4.230	135.1E6	175.9E6	48.638	51.733m
6) B	beta-BHC	4.530	3.911	65316336	76175113	49.244	50.679
7) B	delta-BHC	4.777	4.141	145.1E6	187.3E6	50.295	53.937
8) B	Heptachlo...	5.690	4.735	125.6E6	154.3E6	49.363	51.058
9) A	Endosulfan I	6.076	5.104	112.2E6	138.3E6	48.512	50.399
10) B	gamma-Chl...	5.945	4.984	118.5E6	154.9E6	47.959m	51.479
11) B	alpha-Chl...	6.025	5.048	120.2E6	152.6E6	48.776	50.968
12) B	4,4'-DDE	6.198	5.236	106.1E6	146.6E6	49.039	52.773m
13) MA	Dieldrin	6.351	5.369	117.0E6	149.5E6	47.992	50.983
14) MA	Endrin	6.579	5.645	96783960	131.2E6	46.967m	50.023
15) B	Endosulfa...	6.800	5.940	100.1E6	126.9E6	45.523	50.719
16) A	4,4'-DDD	6.714	5.793	89955941	119.9E6	50.095m	56.106
17) MA	4,4'-DDT	7.029	6.044	85161327	110.7E6	46.253	47.862
18) B	Endrin al...	6.931	6.119	81304891	101.1E6	46.653	49.551
19) B	Endosulfa...	7.164	6.342	93520408	119.9E6	47.178	49.693
20) A	Methoxychlor	7.505	6.618	47324615	59382988	48.206	47.493
21) B	Endrin ke...	7.649	6.848	104.6E6	136.4E6	47.616	49.252
22)	Mirex	8.123	7.029	80665149	112.7E6	44.789	46.342

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092347.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 17:48
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

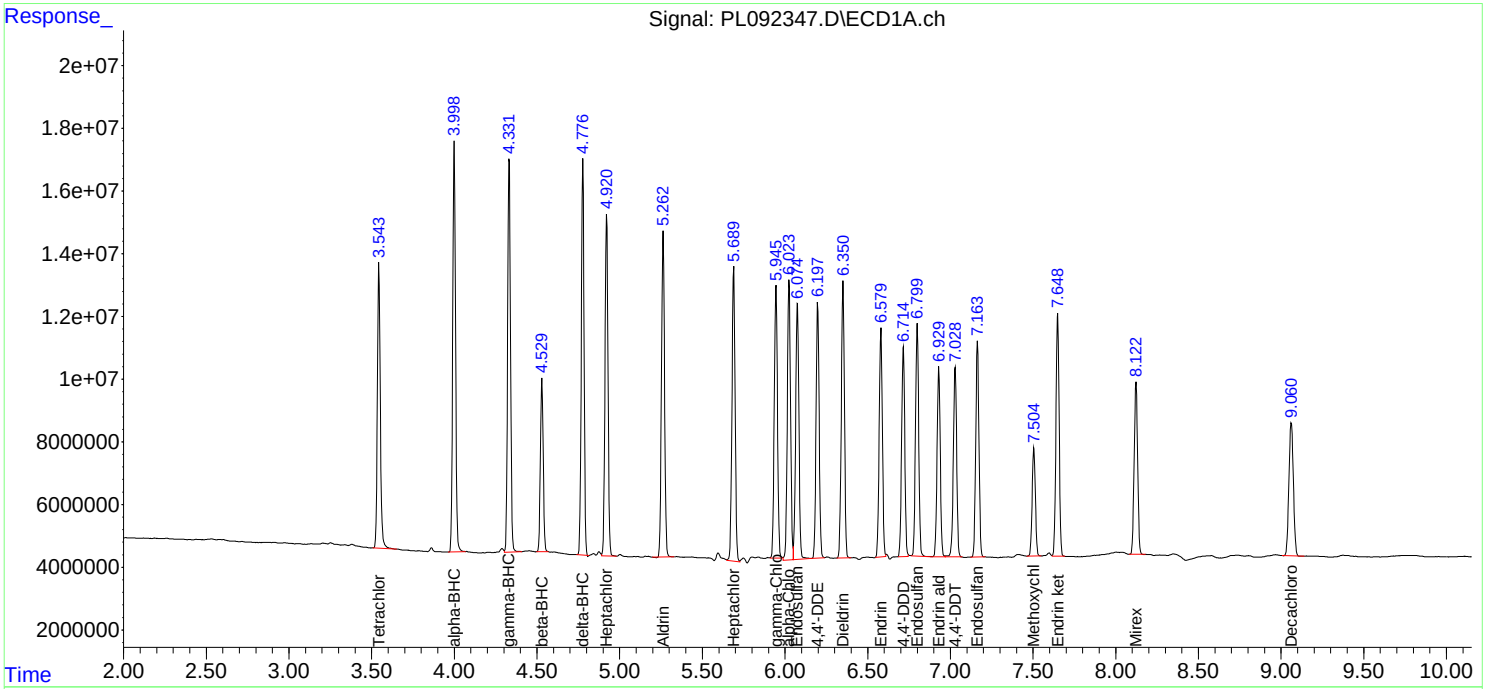
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

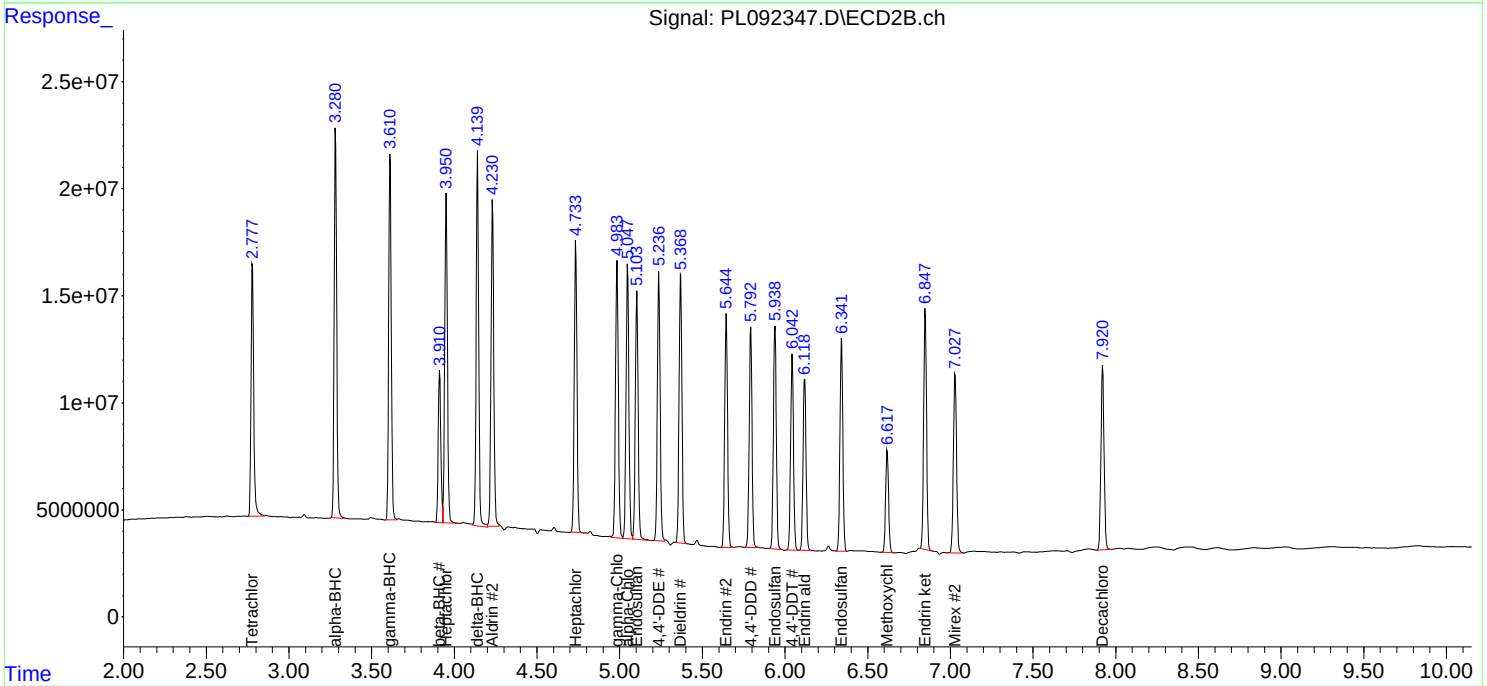
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 01:35:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL091954.D **Date Analyzed:** 09/23/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:05

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.061	8.960	9.160	19.830	20.000	-0.9
Tetrachloro-m-xylene	3.544	3.490	3.590	20.070	20.000	0.4
alpha-BHC	3.999	3.950	4.050	10.180	10.000	1.8
beta-BHC	4.529	4.480	4.580	10.750	10.000	7.5
gamma-BHC (Lindane)	4.332	4.280	4.380	10.100	10.000	1.0
Endrin	6.579	6.510	6.650	43.290	50.000	-13.4
4,4'-DDT	7.028	6.960	7.100	90.240	100.000	-9.8
Methoxychlor	7.504	7.430	7.570	212.390	250.000	-15.0

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL091954.D **Date Analyzed:** 09/23/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:05

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.923	7.820	8.020	19.350	20.000	-3.3
Tetrachloro-m-xylene	2.782	2.730	2.830	19.290	20.000	-3.6
alpha-BHC	3.285	3.230	3.340	9.220	10.000	-7.8
beta-BHC	3.915	3.860	3.970	10.540	10.000	5.4
gamma-BHC (Lindane)	3.616	3.570	3.670	8.880	10.000	-11.2
Endrin	5.648	5.580	5.720	46.450	50.000	-7.1
4,4'-DDT	6.047	5.980	6.120	104.950	100.000	5.0
Methoxychlor	6.621	6.550	6.690	232.550	250.000	-7.0

PEM

Data File: PL091954.D **Date Acquired** 9/23/2024 11:05

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down** Down
Endrin	6.58	89210787.09	95624224.03	6413436.94	**6.71**
Endrin aldehyde	6.93	2005686.368			
Endrin ketone	7.65	4407750.575			

Column #2

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down**
Endrin #2	5.65	121797718.1	130041289.7	8243571.59	**6.34**
Endrin aldehyde #2	6.12	3161374.393			
Endrin ketone #2	6.85	5082197.197			

DDT BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT	7.03	166145728.9	168085243.5	1939514.63	**1.15**
4,4'-DDE	0.00	0			
4,4'-DDD	6.72	1939514.634			

Column #2

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT #2	6.05	242762784.1	244890662.1	2127877.96	**0.87**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.80	2127877.965			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091954.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 11:05
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:04:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:03:20 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...	3.544	2.782	44655553	48372105	20.073	19.287	
28) SA	Decachlor...	9.061	7.923	32491916	48400108	19.834	19.345	
	Target Compounds							
2) A	alpha-BHC	3.999	3.285	31525485	33598423	10.181	9.222	
3) MA	gamma-BHC...	4.332	3.616	31299814	31345350	10.101	8.877	
6) B	beta-BHC	4.529	3.915	14260072	15849227	10.751	10.544	
14) MA	Endrin	6.579	5.648	89210787	121.8E6	43.292	46.449	
16) A	4,4'-DDD	6.715	5.798	1939515	2127878	1.080	0.996	
17) MA	4,4'-DDT	7.028	6.047	166.1E6	242.8E6	90.238	104.948	
18) B	Endrin al...	6.928	6.122	2005686	3161374	1.151	1.549	#
20) A	Methoxychlor	7.504	6.621	208.5E6	290.8E6	212.393	232.546	
21) B	Endrin ke...	7.647	6.848	4407751	5082197	2.006	1.835	m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091954.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 11:05
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

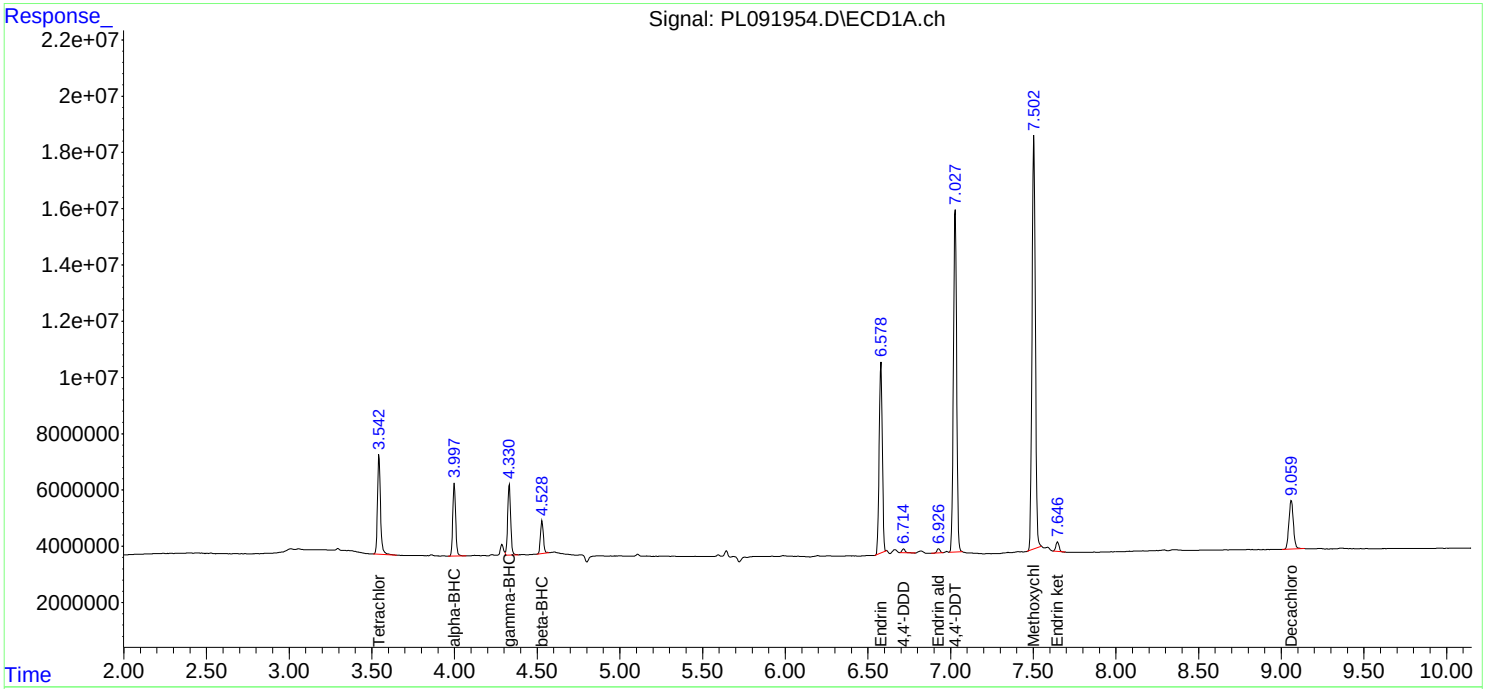
Instrument :
ECD_L
ClientSampleId :
PEM

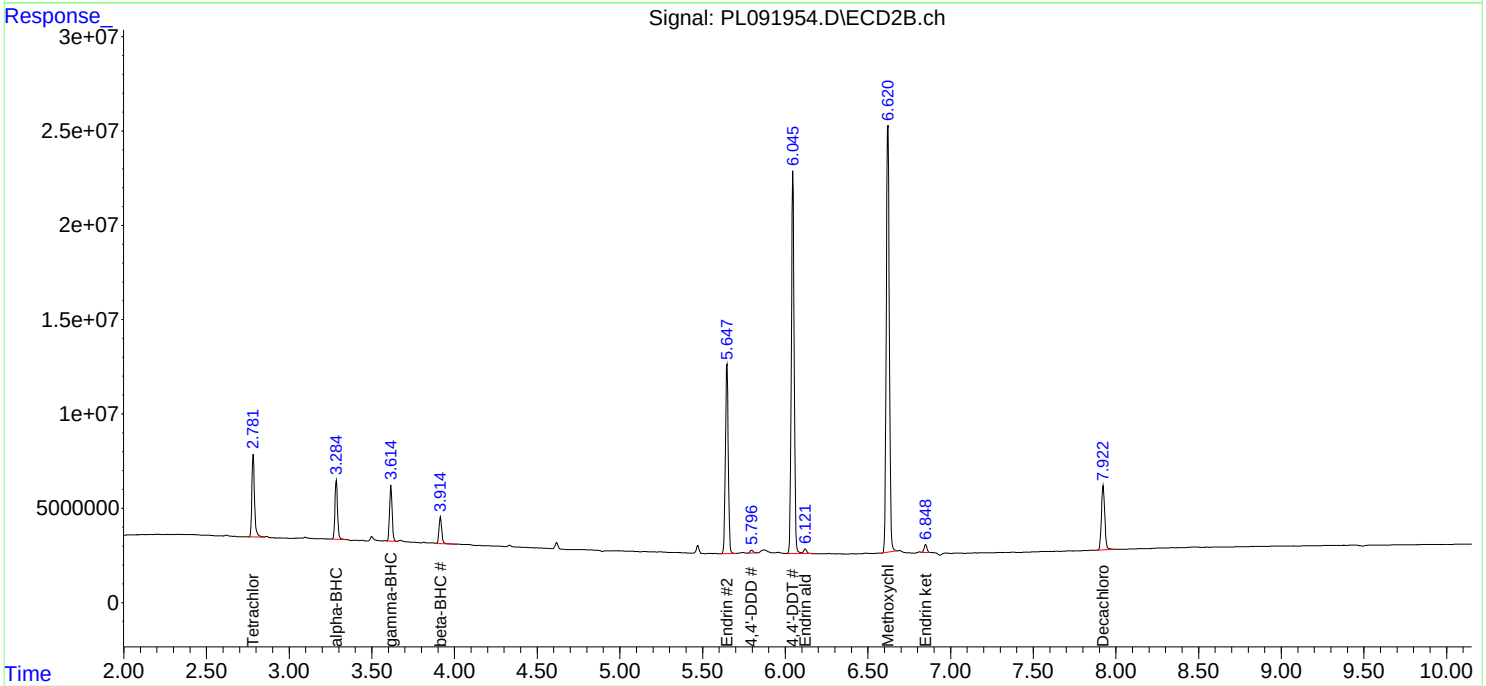
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:04:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:03:20 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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL092320.D **Date Analyzed:** 10/11/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:56

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.960	9.160	22.700	20.000	13.5
Tetrachloro-m-xylene	3.540	3.490	3.590	22.460	20.000	12.3
alpha-BHC	3.995	3.940	4.050	11.450	10.000	14.5
beta-BHC	4.525	4.470	4.580	11.980	10.000	19.8
gamma-BHC (Lindane)	4.328	4.280	4.380	10.840	10.000	8.4
Endrin	6.575	6.500	6.650	45.920	50.000	-8.2
4,4'-DDT	7.025	6.950	7.100	96.120	100.000	-3.9
Methoxychlor	7.503	7.430	7.570	231.460	250.000	-7.4

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL092320.D **Date Analyzed:** 10/11/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:56

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.919	7.820	8.020	20.990	20.000	5.0
Tetrachloro-m-xylene	2.778	2.730	2.830	21.410	20.000	7.1
alpha-BHC	3.281	3.230	3.330	10.130	10.000	1.3
beta-BHC	3.911	3.860	3.960	11.680	10.000	16.8
gamma-BHC (Lindane)	3.611	3.560	3.660	9.770	10.000	-2.3
Endrin	5.643	5.570	5.710	48.200	50.000	-3.6
4,4'-DDT	6.042	5.970	6.110	108.430	100.000	8.4
Methoxychlor	6.617	6.550	6.690	243.010	250.000	-2.8

PEM

Data File Name PL092320.D

Operator AR\AJ **Date Acquired** ############

DDT BREAKDOWN

COLUMN#1

Name	RT	Response	Response (DDT+DDE+DDD)	Response DDE+DDD	%Break Down
4,4'-DDT	8.4	176976166.4	184453243.3	7477076.886	**4.05**
4,4'-DDE	7.56	302574.704			
4,4'-DDD	8.14	7174502.182			

COLUMN#2

Name	RT	Response	Response (DDT+DDE+DDD)	Response DDE+DDD	%Break Down
4,4'-DDT #2	9.35	250818653.9	258535232.8	7716578.836	**2.98**
4,4'DDE #2	8.49	375177.553			
4,4'-DDD #2	9.03	7341401.283			

ENDRIN BREAKDOWN

COLUMN#1

Name	RT	Response	Response (E+EA+EK)	Response (EA+EK)	%Break Down
Endrin	6.58	94634809.81	106070338.9	11435529.13	**10.78**
Endrin aldehyde	6.93	3557821.543			
Endrin ketone	7.65	7877707.584			

COLUMN#2

Name	RT	Response	Response (E+EA+EK)	Response (EA+EK)	%Break Down
Endrin #2	5.64	126379324.6	140549994.7	14170670.12	**10.08**
Endrin aldehyde #2	6.12	4179167.219			
Endrin ketone #2	6.85	9991502.902			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092320.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 08:56
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 01:28:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 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	49975897	53692637	22.465	21.408
28) SA	Decachlor...	9.059	7.919	37185860	52506049	22.699	20.986
	Target Compounds						
2) A	alpha-BHC	3.995	3.281	35456948	36890249	11.451	10.125
3) MA	gamma-BHC...	4.328	3.611	33605792	34483726	10.845	9.766
6) B	beta-BHC	4.525	3.911	15887784	17560433	11.978	11.683
12) B	4,4'-DDE	6.188	5.237	302575	375178	0.140m	0.135
14) MA	Endrin	6.575	5.643	94634810	126.4E6	45.924m	48.196
16) A	4,4'-DDD	6.710	5.791	7174502	7341401	3.995m	3.437
17) MA	4,4'-DDT	7.025	6.042	177.0E6	250.8E6	96.120m	108.431
18) B	Endrin al...	6.926	6.117	3557822	4179167	2.041	2.048
20) A	Methoxychlor	7.503	6.617	227.2E6	303.8E6	231.465	243.012
21) B	Endrin ke...	7.646	6.845	7877708	9991503	3.585	3.608

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092320.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 08:56
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

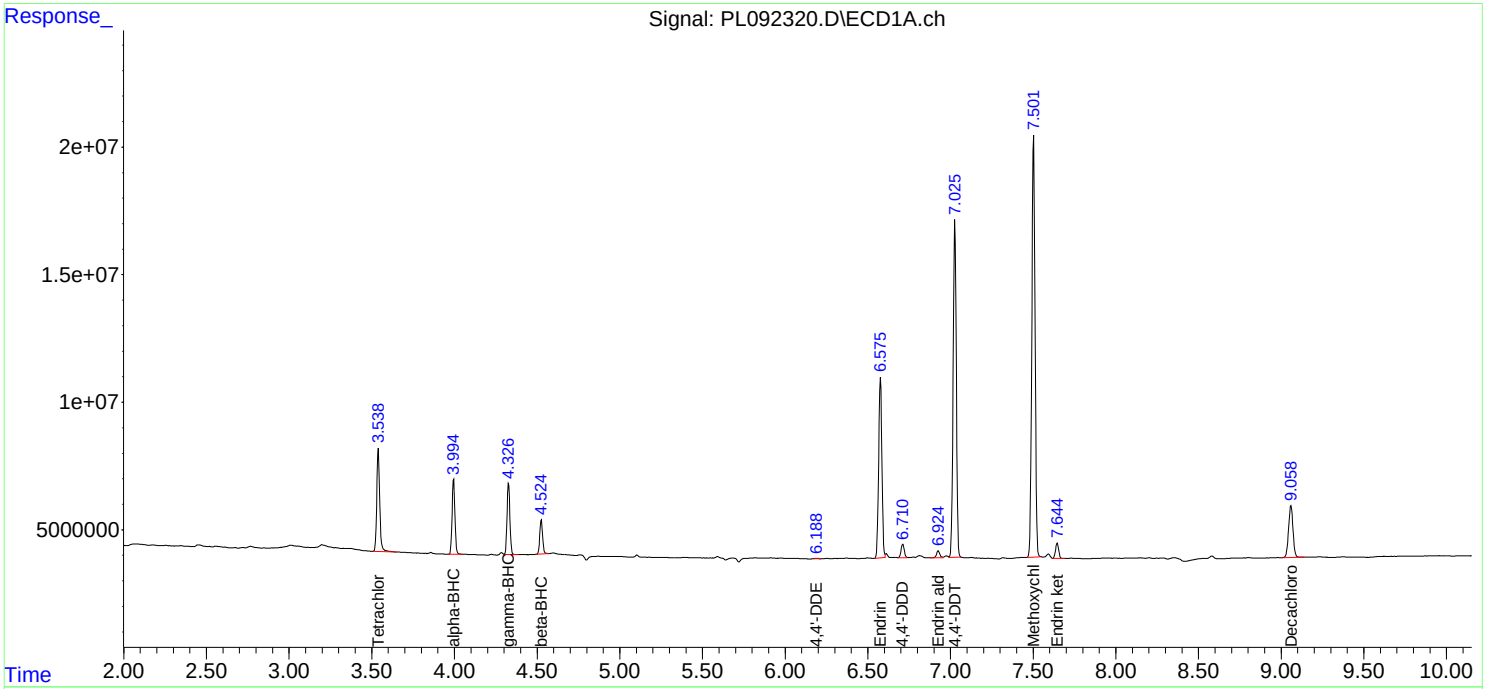
Instrument :
ECD_L
ClientSampleId :
PEM

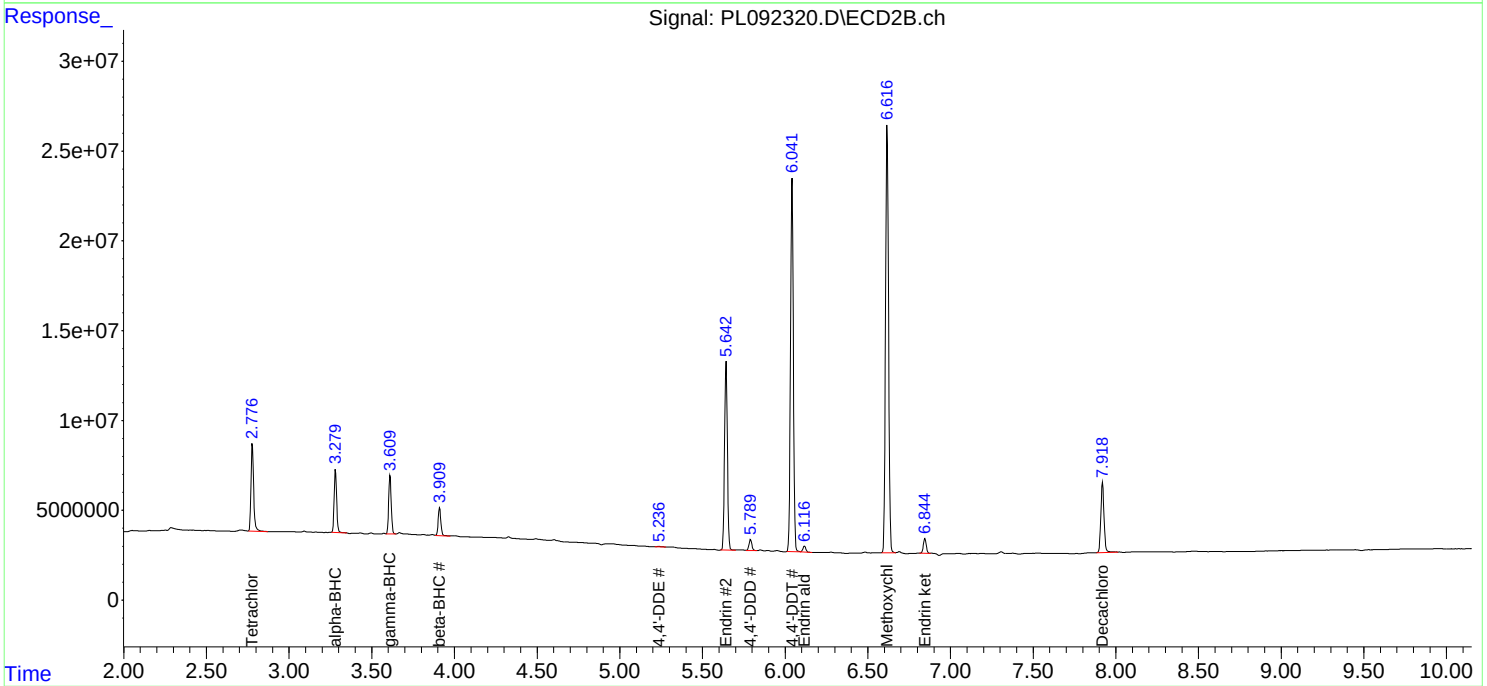
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 01:28:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 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





Chromatographic Resolution Report

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091955.D
Acq On : 23 Sep 2024 11:19
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\PL092324.M
Title : GC Extractables
Last Update : Mon Sep 23 14:03:20 2024
Integrator: ChemStation

RT#1	RT#2	Resolution
3.544	5.944	100.00%
5.944	6.074	100.00%
6.074	6.196	100.00%
6.196	6.349	100.00%
6.349	7.162	100.00%
7.162	7.503	100.00%
7.503	7.647	100.00%
7.647	9.060	100.00%

Signal #2

2.782	4.988	100.00%
4.988	5.108	100.00%
5.108	5.241	100.00%
5.241	5.372	100.00%
5.372	6.344	100.00%
6.344	6.621	100.00%
6.621	6.850	100.00%
6.850	7.923	100.00%

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091955.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 11:19
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: Sep 23 14:09:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:03:20 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...	3.544	2.782	45060464	48406382	20.255	19.300
28) SA	Decachlor...	9.060	7.923	33098954	49691998	20.204	19.861
	Target Compounds						
9) A	Endosulfan I	6.074	5.108	24134272	25750637	10.432	9.382
10) B	gamma-Chl...	5.944	4.988	26576974	30002831	10.755	9.972
12) B	4,4'-DDE	6.196	5.241	43461118	52985590	20.080	19.067
13) MA	Dieldrin	6.349	5.372	48004708	54324325	19.683	18.529
19) B	Endosulfa...	7.162	6.344	37460879	49592805	18.898	20.556
20) A	Methoxychlor	7.503	6.621	89545919	118.8E6	91.214	95.016
21) B	Endrin ke...	7.647	6.850	43132114	52293680	19.627	18.886

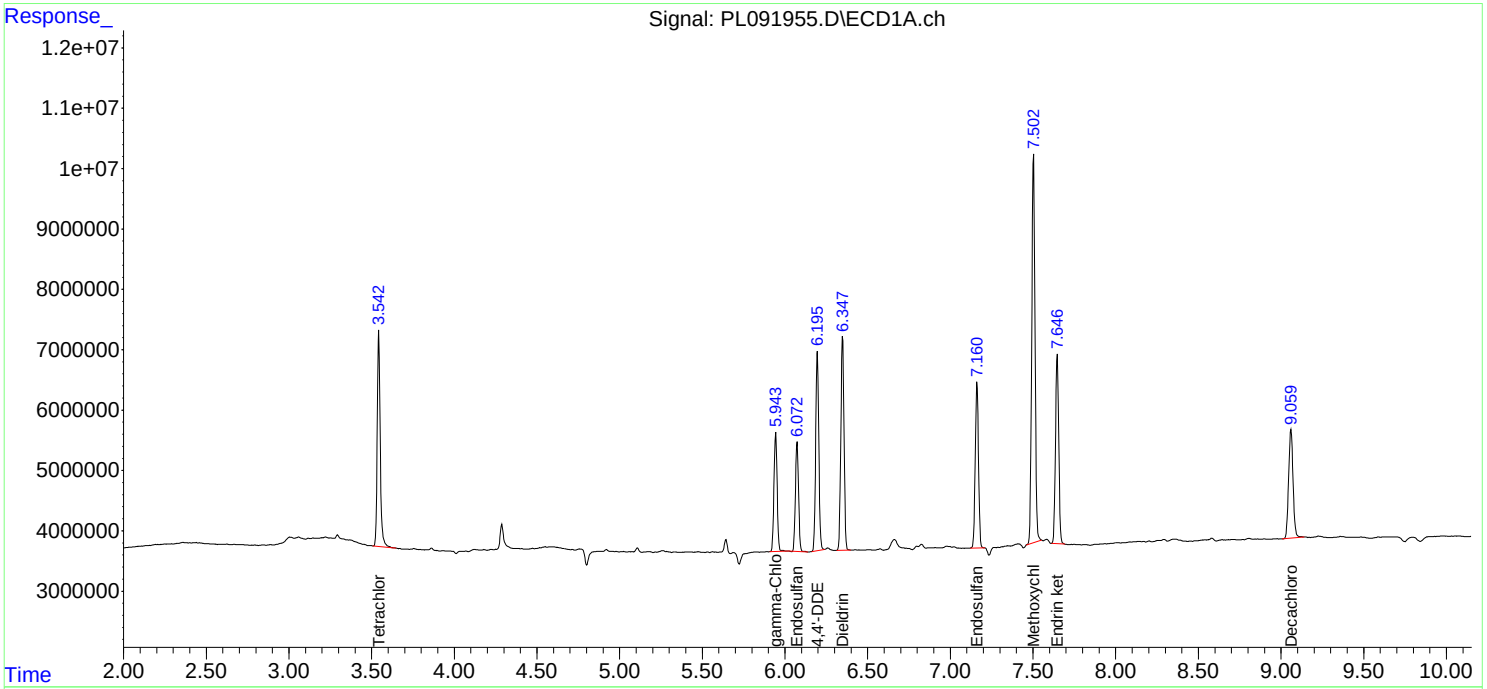
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

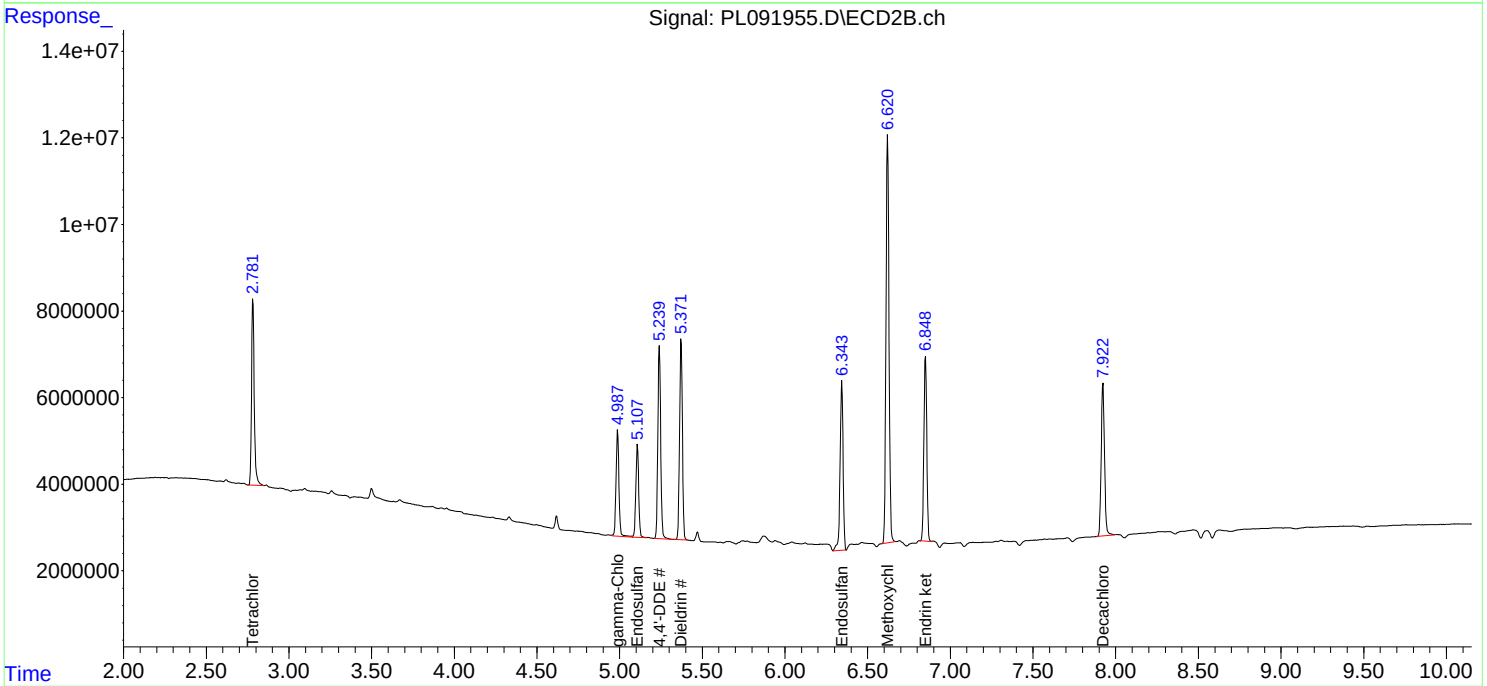
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091955.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 11:19
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:09:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:03:20 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





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Analytical Sequence

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/23/2024 09/23/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	09/23/2024	10:52	PL091953.D	9.06	3.54
PEM	PEM	09/23/2024	11:05	PL091954.D	9.06	3.54
RESCHK	RESCHK	09/23/2024	11:19	PL091955.D	9.06	3.54
PSTDICC100	PSTDICC100	09/23/2024	11:32	PL091956.D	9.06	3.54
PSTDICC075	PSTDICC075	09/23/2024	11:45	PL091957.D	9.06	3.54
PSTDICC050	PSTDICC050	09/23/2024	11:59	PL091958.D	9.06	3.54
PSTDICC025	PSTDICC025	09/23/2024	12:12	PL091959.D	9.06	3.54
PSTDICC005	PSTDICC005	09/23/2024	12:26	PL091960.D	9.06	3.54
PCHLORICC500	PCHLORICC500	09/23/2024	13:06	PL091963.D	9.06	3.54
PTOXICC500	PTOXICC500	09/23/2024	14:13	PL091968.D	9.06	3.54
PEM	PEM	10/11/2024	08:56	PL092320.D	9.06	3.54
I.BLK	I.BLK	10/11/2024	11:40	PL092329.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/11/2024	11:54	PL092330.D	9.06	3.54
PB164067BL	PB164067BL	10/11/2024	13:24	PL092331.D	9.07	3.55
PB164067BS	PB164067BS	10/11/2024	13:37	PL092332.D	9.06	3.54
Chamberlain Ave	P4258-03	10/11/2024	13:51	PL092333.D	9.06	3.54
SP-2MS	P4385-04MS	10/11/2024	14:31	PL092336.D	9.06	3.54
SP-2MSD	P4385-04MSD	10/11/2024	14:44	PL092337.D	9.06	3.54
I.BLK	I.BLK	10/11/2024	17:31	PL092346.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/11/2024	17:48	PL092347.D	9.06	3.54

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Analytical Sequence

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/23/2024 09/23/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	09/23/2024	10:52	PL091953.D	7.92	2.78
PEM	PEM	09/23/2024	11:05	PL091954.D	7.92	2.78
RESCHK	RESCHK	09/23/2024	11:19	PL091955.D	7.92	2.78
PSTDICC100	PSTDICC100	09/23/2024	11:32	PL091956.D	7.92	2.78
PSTDICC075	PSTDICC075	09/23/2024	11:45	PL091957.D	7.92	2.78
PSTDICC050	PSTDICC050	09/23/2024	11:59	PL091958.D	7.92	2.78
PSTDICC025	PSTDICC025	09/23/2024	12:12	PL091959.D	7.92	2.78
PSTDICC005	PSTDICC005	09/23/2024	12:26	PL091960.D	7.92	2.78
PCHLORICC500	PCHLORICC500	09/23/2024	13:06	PL091963.D	7.92	2.78
PTOXICC500	PTOXICC500	09/23/2024	14:13	PL091968.D	7.92	2.78
PEM	PEM	10/11/2024	08:56	PL092320.D	7.92	2.78
I.BLK	I.BLK	10/11/2024	11:40	PL092329.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/11/2024	11:54	PL092330.D	7.92	2.78
PB164067BL	PB164067BL	10/11/2024	13:24	PL092331.D	7.92	2.78
PB164067BS	PB164067BS	10/11/2024	13:37	PL092332.D	7.92	2.78
Chamberlain Ave	P4258-03	10/11/2024	13:51	PL092333.D	7.92	2.78
SP-2MS	P4385-04MS	10/11/2024	14:31	PL092336.D	7.92	2.78
SP-2MSD	P4385-04MSD	10/11/2024	14:44	PL092337.D	7.92	2.78
I.BLK	I.BLK	10/11/2024	17:31	PL092346.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/11/2024	17:48	PL092347.D	7.92	2.78

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

Chamberlain Ave

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: P4258-03 **Date(s) Analyzed:** 10/11/2024 10/11/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDE	1	6.19	6.14	6.24	0.27	13.3
	2	5.24	5.19	5.29	0.31	
4,4'-DDT	1	7.02	6.97	7.07	0.25	73.9
	2	6.04	5.99	6.09	0.54	
alpha-Chlordane	1	6.02	5.97	6.07	0.80	100.7
	2	5.05	5.00	5.10	0.26	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164067BS

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: PB164067BS **Date(s) Analyzed:** 10/11/2024 10/11/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.80	6.75	6.85	15.7	10.8
	2	5.94	5.89	5.99	17.5	
4,4'-DDD	1	6.71	6.66	6.76	17.3	8.8
	2	5.79	5.74	5.84	18.9	
4,4'-DDT	1	7.03	6.98	7.08	16.2	0
	2	6.04	5.99	6.09	16.2	
Endrin aldehyde	1	6.93	6.88	6.98	15.8	4.9
	2	6.12	6.07	6.17	16.6	
Endosulfan sulfate	1	7.16	7.11	7.21	16.3	4.8
	2	6.34	6.29	6.39	17.1	
Methoxychlor	1	7.50	7.45	7.55	16.3	1.9
	2	6.62	6.57	6.67	16.0	
Endrin ketone	1	7.65	7.60	7.70	16.6	4.7
	2	6.85	6.80	6.90	17.4	
alpha-BHC	1	4.00	3.95	4.05	16.2	3.6
	2	3.28	3.23	3.33	16.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.4	5.1
	2	3.61	3.56	3.66	16.2	
Heptachlor	1	4.92	4.87	4.97	16.3	2.4
	2	3.95	3.90	4.00	16.7	
Aldrin	1	5.26	5.21	5.31	15.6	3.8
	2	4.23	4.18	4.28	16.2	
beta-BHC	1	4.53	4.48	4.58	16.3	3
	2	3.91	3.86	3.96	16.8	
delta-BHC	1	4.77	4.72	4.82	15.9	3.1
	2	4.14	4.09	4.19	16.4	
Heptachlor epoxide	1	5.69	5.64	5.74	16.0	7.8
	2	4.73	4.68	4.78	17.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164067BS

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: PB164067BS **Date(s) Analyzed:** 10/11/2024 10/11/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	16.1	6.6
	2	5.10	5.05	5.15	17.2	
gamma-Chlordane	1	5.94	5.89	5.99	16.3	6.5
	2	4.98	4.93	5.03	17.4	
alpha-Chlordane	1	6.02	5.97	6.07	16.4	4.8
	2	5.05	5.00	5.10	17.2	
4,4'-DDE	1	6.20	6.15	6.25	16.5	6.5
	2	5.24	5.19	5.29	17.6	
Dieldrin	1	6.35	6.30	6.40	16.1	7.2
	2	5.37	5.32	5.42	17.3	
Endrin	1	6.58	6.53	6.63	15.5	5
	2	5.64	5.59	5.69	16.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-2MS

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: P4385-04MS **Date(s) Analyzed:** 10/11/2024 10/11/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.80	6.75	6.85	15.1	5.8
	2	5.94	5.89	5.99	16.0	
4,4'-DDD	1	6.71	6.66	6.76	19.2	5.3
	2	5.79	5.74	5.84	18.2	
4,4'-DDT	1	7.03	6.98	7.08	37.0	7.5
	2	6.04	5.99	6.09	39.9	
Endrin aldehyde	1	6.93	6.88	6.98	14.8	9.6
	2	6.12	6.07	6.17	16.3	
Endosulfan sulfate	1	7.16	7.11	7.21	15.6	3.2
	2	6.34	6.29	6.39	16.1	
Methoxychlor	1	7.50	7.45	7.55	15.5	5
	2	6.62	6.57	6.67	16.3	
Endrin ketone	1	7.65	7.60	7.70	21.2	29.8
	2	6.85	6.80	6.90	15.7	
alpha-BHC	1	4.00	3.95	4.05	15.2	2.6
	2	3.28	3.23	3.33	15.6	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.6	4
	2	3.61	3.56	3.66	15.2	
Heptachlor	1	4.92	4.87	4.97	16.0	0
	2	3.95	3.90	4.00	16.0	
Aldrin	1	5.26	5.21	5.31	14.5	5.4
	2	4.23	4.18	4.28	15.3	
beta-BHC	1	4.53	4.48	4.58	15.6	2.5
	2	3.91	3.86	3.96	16.0	
delta-BHC	1	4.77	4.72	4.82	14.6	0.7
	2	4.14	4.09	4.19	14.7	
Heptachlor epoxide	1	5.69	5.64	5.74	15.5	0
	2	4.73	4.68	4.78	15.5	

Alliance TECHNICAL GROUP
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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-2MS

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: P4385-04MS **Date(s) Analyzed:** 10/11/2024 10/11/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	15.6	0.6
	2	5.10	5.05	5.15	15.5	
gamma-Chlordane	1	5.94	5.89	5.99	16.4	1.8
	2	4.98	4.93	5.03	16.1	
alpha-Chlordane	1	6.02	5.97	6.07	15.9	0
	2	5.05	5.00	5.10	15.9	
4,4'-DDE	1	6.19	6.14	6.24	38.6	10.8
	2	5.24	5.19	5.29	43.0	
Dieldrin	1	6.35	6.30	6.40	15.7	6.2
	2	5.37	5.32	5.42	16.7	
Endrin	1	6.58	6.53	6.63	15.2	10.6
	2	5.64	5.59	5.69	16.9	

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-2MSD

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: P4385-04MSD **Date(s) Analyzed:** 10/11/2024 10/11/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	18.9	3.2
	2	5.79	5.74	5.84	18.3	
4,4'-DDT	1	7.03	6.98	7.08	36.4	8.7
	2	6.04	5.99	6.09	39.7	
Endrin aldehyde	1	6.93	6.88	6.98	14.6	10.4
	2	6.12	6.07	6.17	16.2	
Endosulfan sulfate	1	7.16	7.11	7.21	15.4	4.4
	2	6.34	6.29	6.39	16.1	
Methoxychlor	1	7.50	7.45	7.55	15.6	3.8
	2	6.62	6.57	6.67	16.2	
Endrin ketone	1	7.64	7.59	7.69	22.6	36
	2	6.85	6.80	6.90	15.7	
alpha-BHC	1	4.00	3.95	4.05	14.9	3.9
	2	3.28	3.23	3.33	15.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.5	4.1
	2	3.61	3.56	3.66	15.1	
Heptachlor	1	4.92	4.87	4.97	15.7	1.3
	2	3.95	3.90	4.00	15.9	
Aldrin	1	5.26	5.21	5.31	14.4	5.4
	2	4.23	4.18	4.28	15.2	
beta-BHC	1	4.53	4.48	4.58	15.4	2.6
	2	3.91	3.86	3.96	15.8	
delta-BHC	1	4.77	4.72	4.82	14.4	1.4
	2	4.14	4.09	4.19	14.6	
Heptachlor epoxide	1	5.69	5.64	5.74	15.2	2
	2	4.73	4.68	4.78	15.5	
Endosulfan I	1	6.07	6.02	6.12	15.4	0.6
	2	5.10	5.05	5.15	15.5	

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-2MSD

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: P4385-04MSD **Date(s) Analyzed:** 10/11/2024 10/11/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.94	5.89	5.99	16.2	0.6
	2	4.98	4.93	5.03	16.1	
alpha-Chlordane	1	6.02	5.97	6.07	15.8	0.6
	2	5.05	5.00	5.10	15.9	
4,4'-DDE	1	6.19	6.14	6.24	38.4	12
	2	5.24	5.19	5.29	43.3	
Dieldrin	1	6.35	6.30	6.40	15.7	5.6
	2	5.37	5.32	5.42	16.6	
Endrin	1	6.57	6.52	6.62	15.0	11.3
	2	5.64	5.59	5.69	16.8	
Endosulfan II	1	6.80	6.75	6.85	15.0	6.5
	2	5.94	5.89	5.99	16.0	

QC SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB164067BL	SDG No.:	P4258
Lab Sample ID:	PB164067BL	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
PL092331.D	1	10/11/24 09:00	10/11/24 13:24	PB164067

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	19.6		10 - 148	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		10 - 159	95%	SPK: 20

Raw Data: **PL092331.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB164067BL	SDG No.:	P4258
Lab Sample ID:	PB164067BL	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
PL092331.D	1	10/11/24 09:00	10/11/24 13:24	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092331.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 13:24
Operator : AR\AJ
Sample : PB164067BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164067BL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:30:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 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...	3.550	2.780	42240919	45283506	18.988	18.055
28)	SA Decachlor...	9.068	7.923	32020266	49120496	19.546m	19.633
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 13:24
Operator : AR\AJ
Sample : PB164067BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

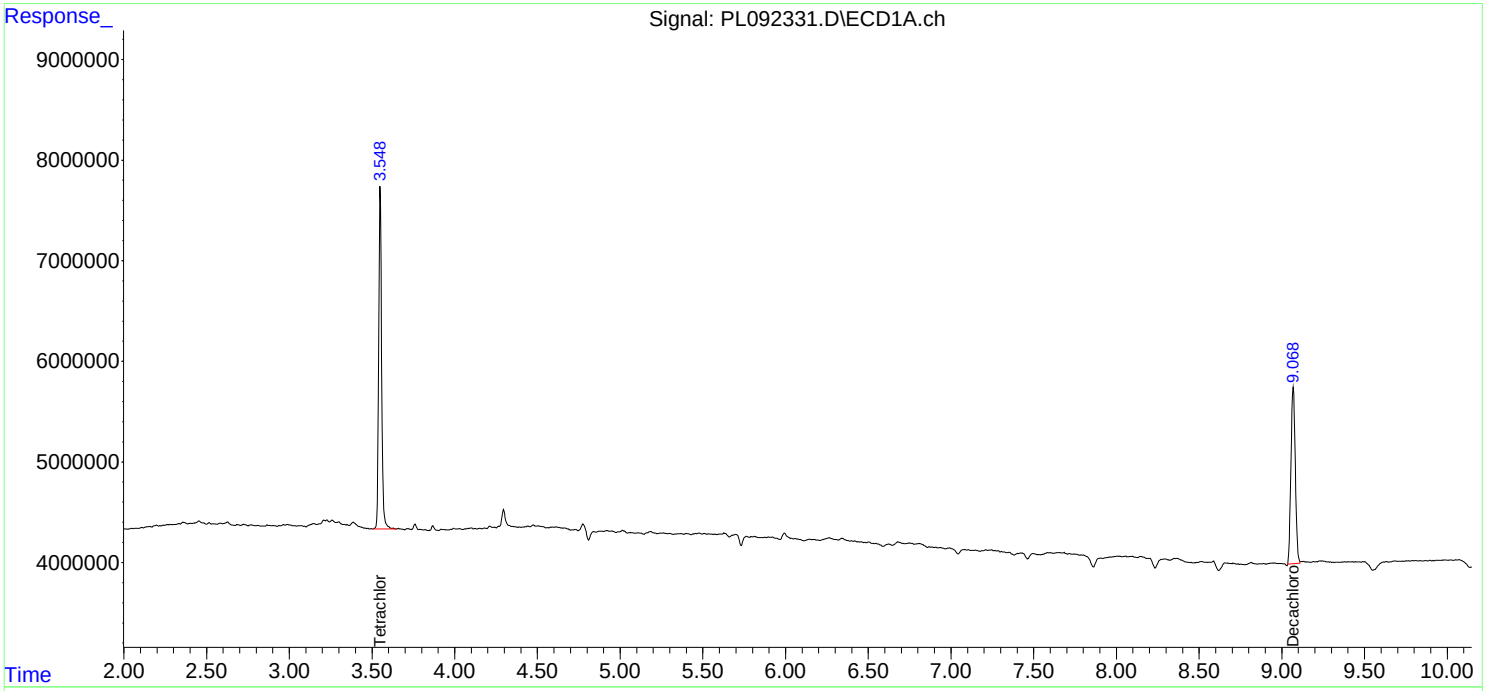
Instrument :
ECD_L
ClientSampleId :
PB164067BL

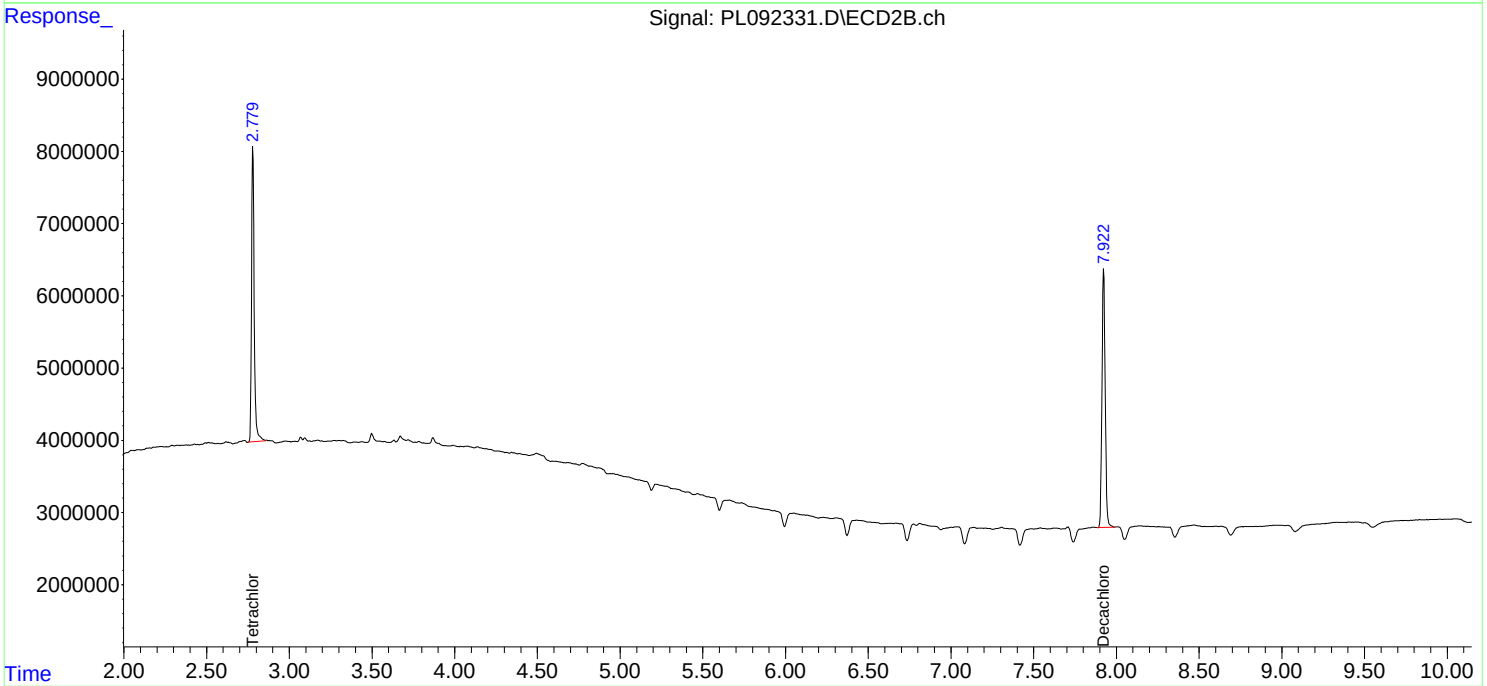
Manual Integrations APPROVED

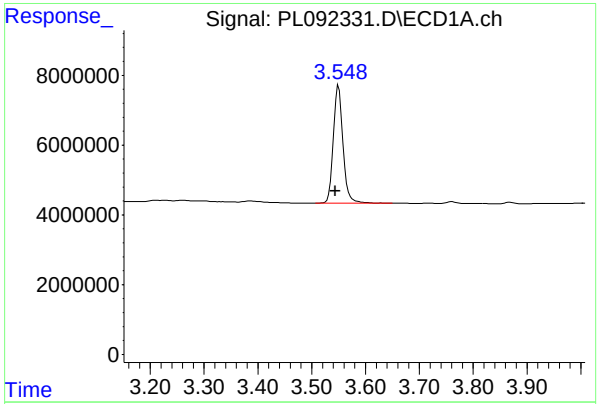
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:30:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 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







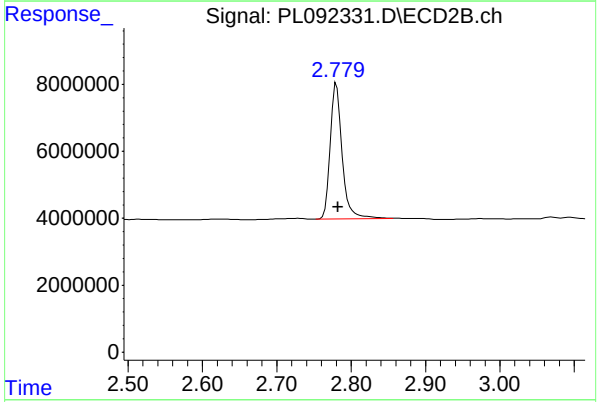
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.006 mi
Response: 42240919
Conc: 18.99 ng/m

Instrument :
ECD_L
ClientSampleId :
PB164067BL

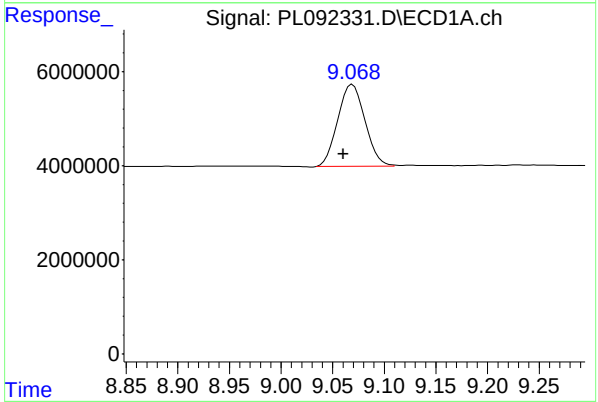
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024



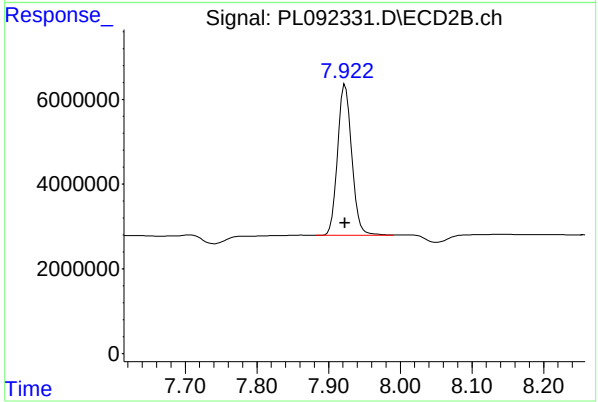
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: -0.002 min
Response: 45283506
Conc: 18.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.008 min
Response: 32020266
Conc: 19.55 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 49120496
Conc: 19.63 ng/ml

Raw Data: **PL091953.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	09/23/24
Project:	Perth Amboy	Date Received:	09/23/24
Client Sample ID:	PIBLK-PL091953.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PL091953.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
PL091953.D	1		09/23/24	PL092324

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	19.6		43 - 140	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		77 - 126	95%	SPK: 20

Raw Data: **PL091953.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	09/23/24
Project:	Perth Amboy	Date Received:	09/23/24
Client Sample ID:	PIBLK-PL091953.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PL091953.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
PL091953.D	1		09/23/24	PL092324

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\PL092324\
Data File : PL091953.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 10:52
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: Sep 23 14:04:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:03:20 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...	3.544	2.782	42236372	45921989	18.986	18.310
28)	SA Decachlor...	9.060	7.923	32124664	46897103	19.609	18.744
	Target Compounds						

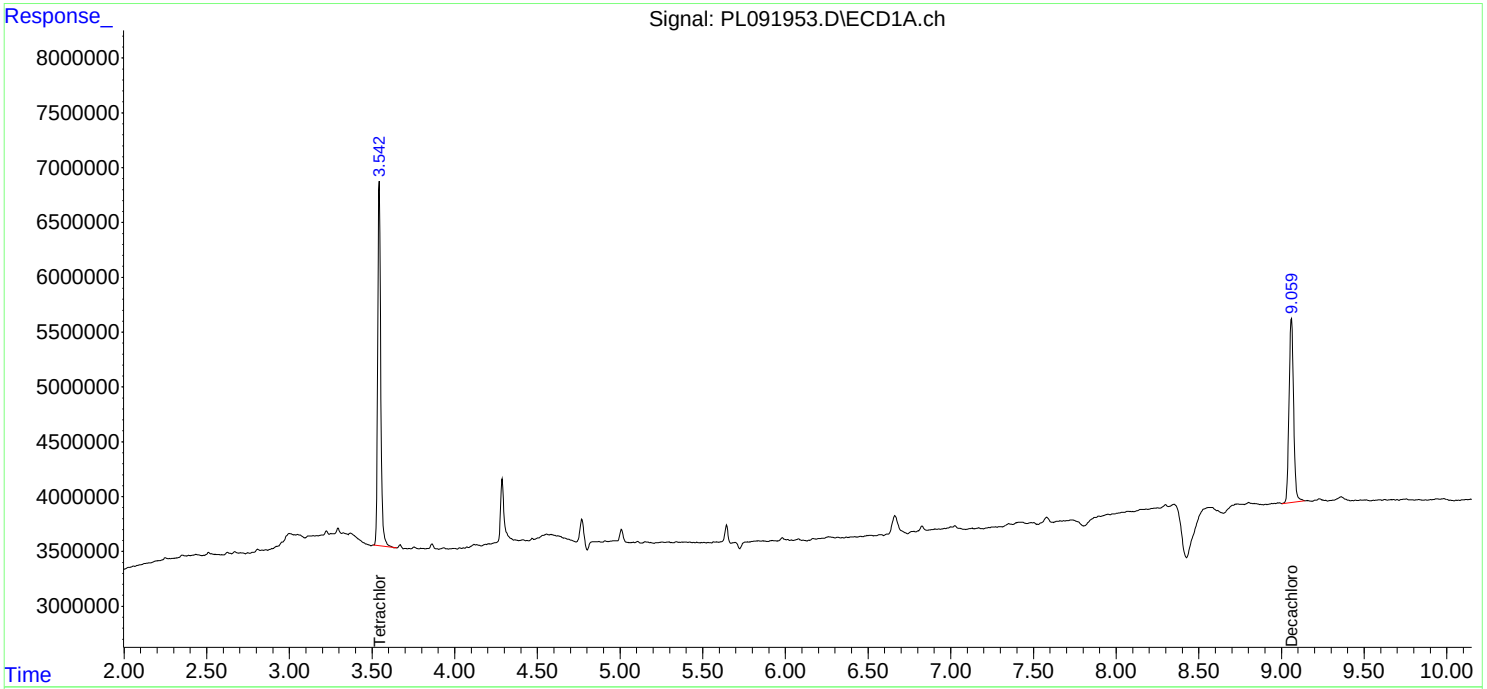
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

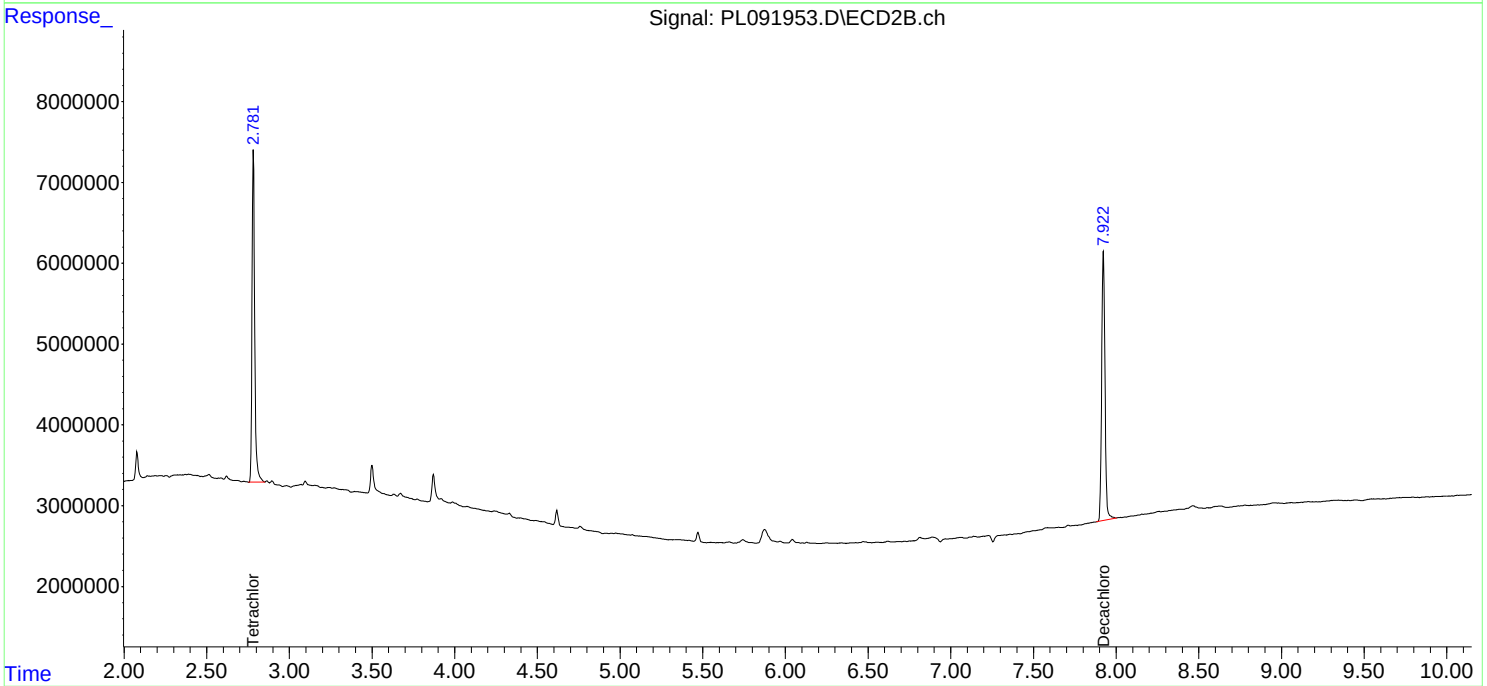
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091953.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 10:52
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

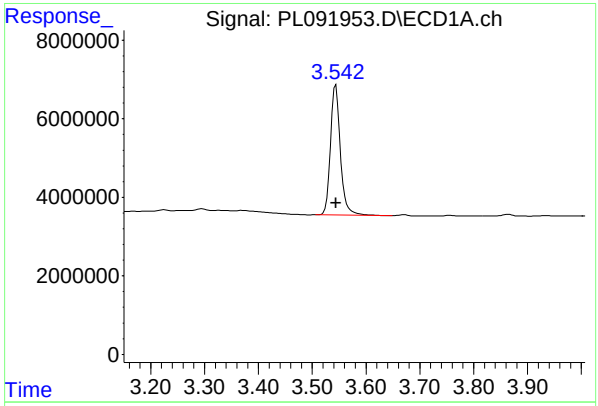
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:04:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:03:20 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



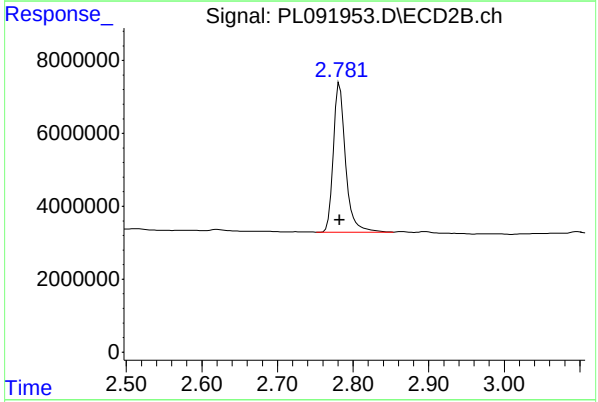




#1 Tetrachloro-m-xylene

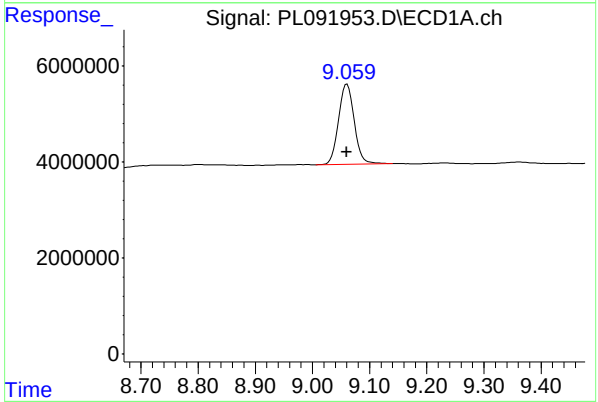
R.T.: 3.544 min
Delta R.T.: 0.000 mi
Response: 42236372
Conc: 18.99 ng/m

Instrument :
ECD_L
ClientSampleId :
I.BLK



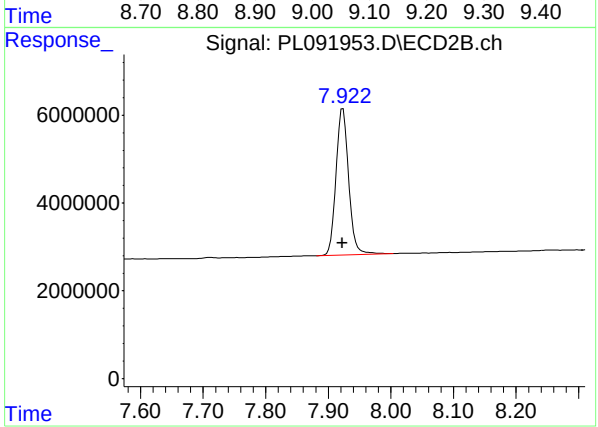
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 45921989
Conc: 18.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 32124664
Conc: 19.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 46897103
Conc: 18.74 ng/ml

Raw Data: **PL092329.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/11/24
Project:	Perth Amboy	Date Received:	10/11/24
Client Sample ID:	PIBLK-PL092329.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PL092329.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
PL092329.D	1		10/11/24	PL101224

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	23.8		43 - 140	119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		77 - 126	107%	SPK: 20

Raw Data: **PL092329.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/11/24
Project:	Perth Amboy	Date Received:	10/11/24
Client Sample ID:	PIBLK-PL092329.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PL092329.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
PL092329.D	1		10/11/24	PL101224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092329.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 11:40
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 14 01:33:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.544	2.778	47406771	51765990	21.310	20.640
28)	SA Decachlor...	9.062	7.921	39023753	55191508	23.821	22.059
	Target Compounds						

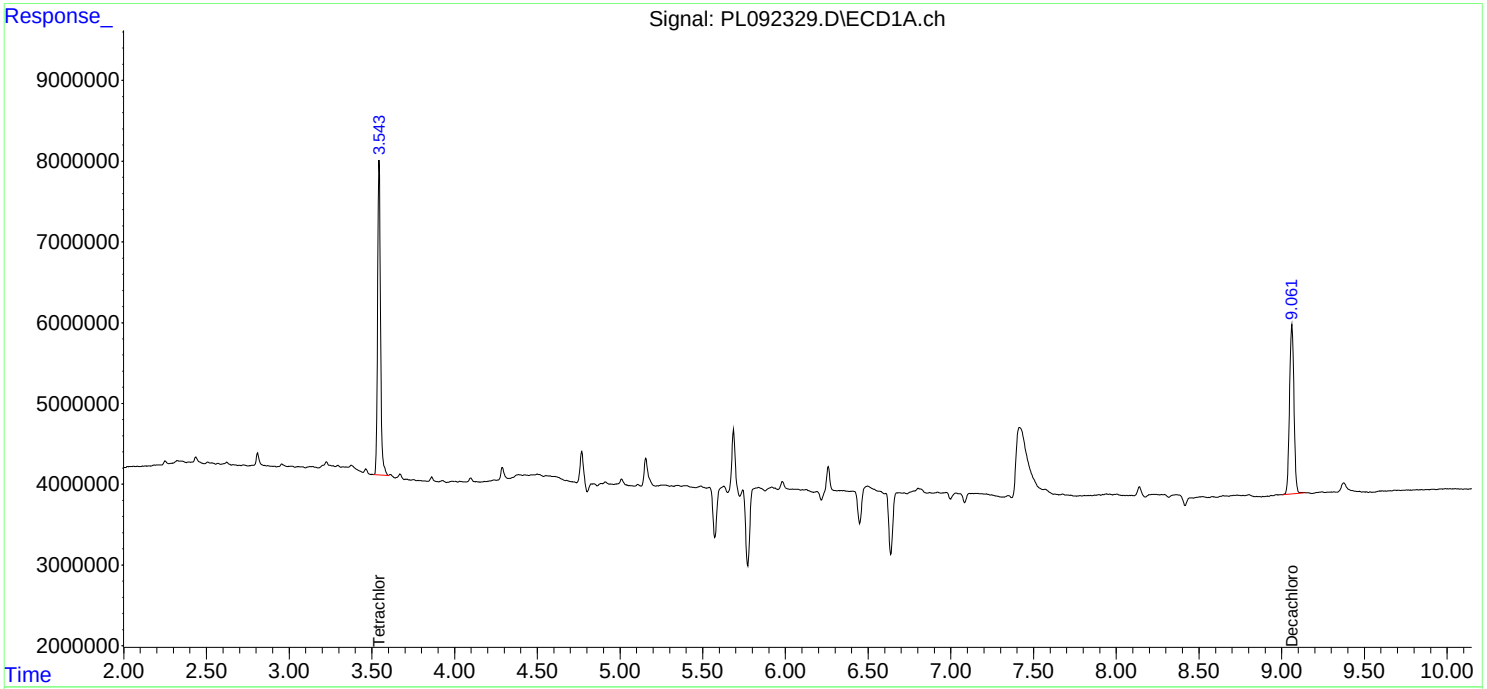
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

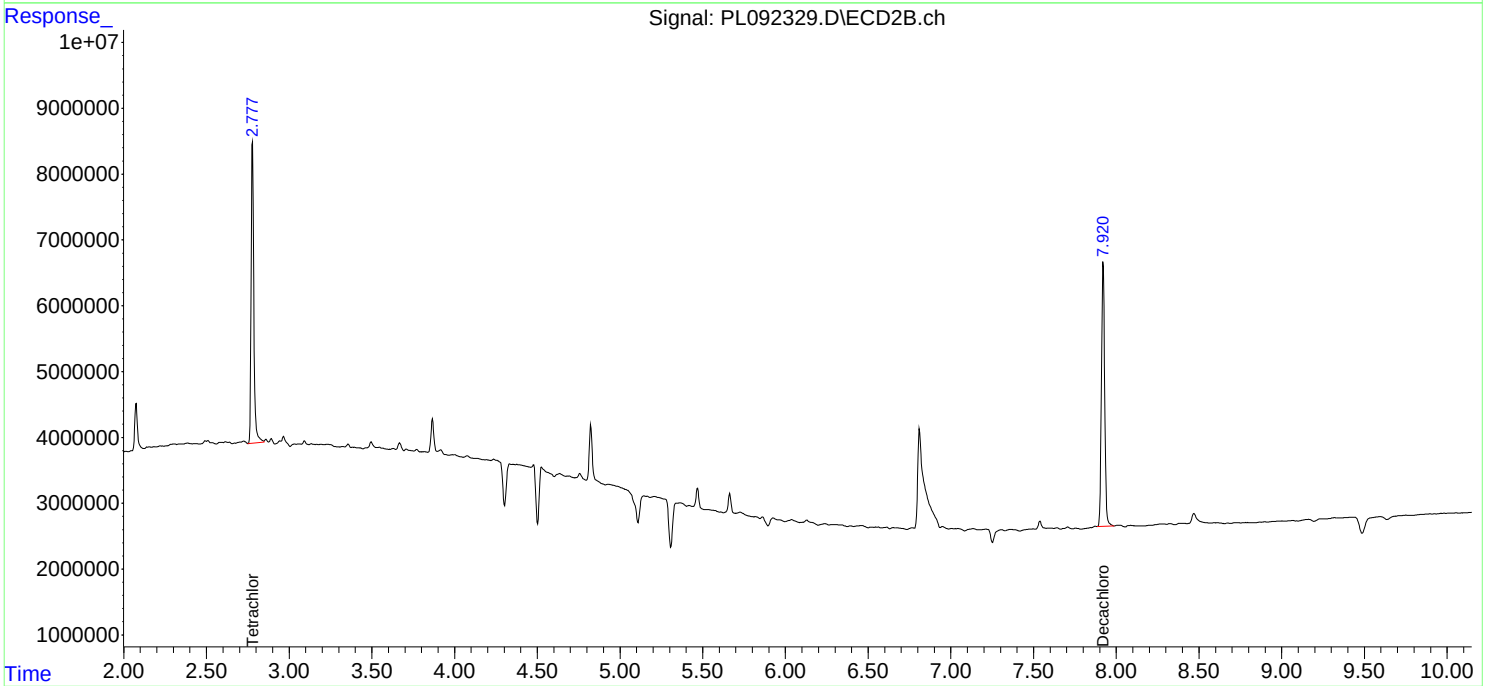
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 11:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

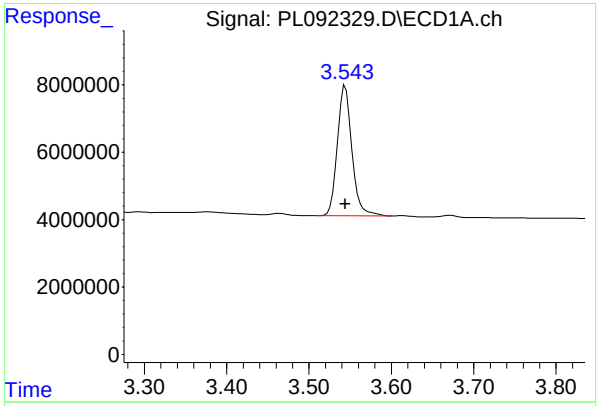
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 01:33:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 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



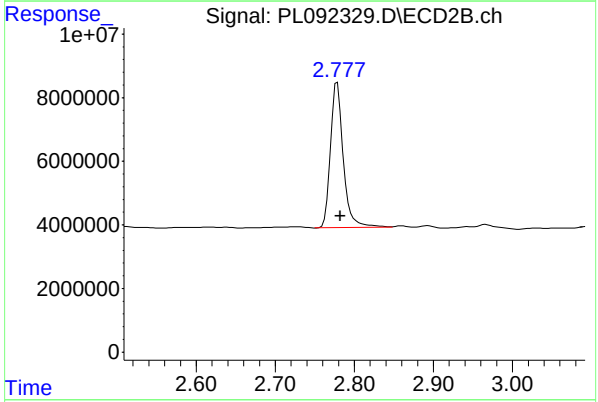




#1 Tetrachloro-m-xylene

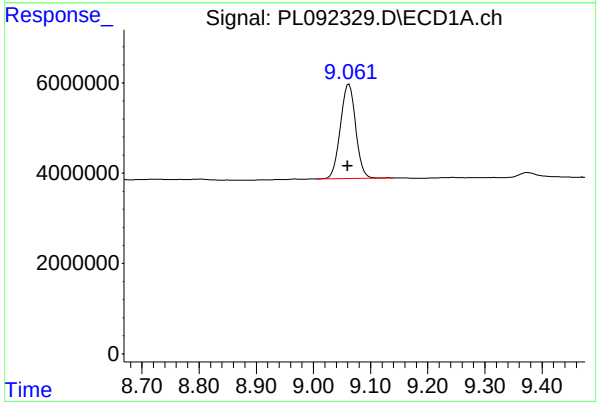
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 47406771
Conc: 21.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



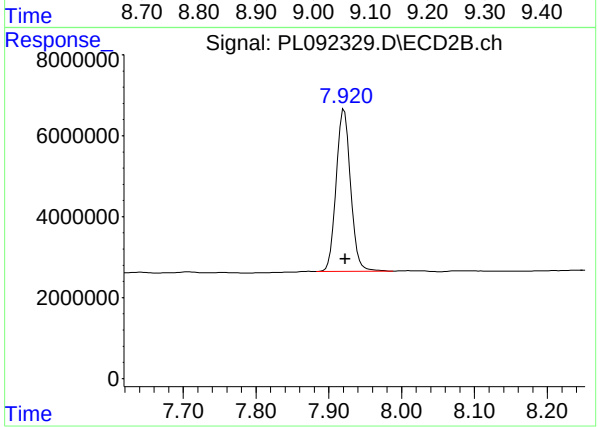
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: -0.004 min
Response: 51765990
Conc: 20.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: 0.002 min
Response: 39023753
Conc: 23.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.921 min
Delta R.T.: -0.002 min
Response: 55191508
Conc: 22.06 ng/ml

Raw Data: **PL092346.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/11/24
Project:	Perth Amboy	Date Received:	10/11/24
Client Sample ID:	PIBLK-PL092346.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PL092346.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
PL092346.D	1		10/11/24	PL101224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.1		43 - 140	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		77 - 126	107%	SPK: 20

Raw Data: **PL092346.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/11/24
Project:	Perth Amboy	Date Received:	10/11/24
Client Sample ID:	PIBLK-PL092346.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PL092346.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
PL092346.D	1		10/11/24	PL101224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092346.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092346.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 17:31
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 01:34:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 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	47521987	53279920	21.361	21.243
28)	SA Decachlor...	9.057	7.920	34496971	49373172	21.057m	19.734
	Target Compounds						

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

Sample Results: **PL092346.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092346.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 17:31
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

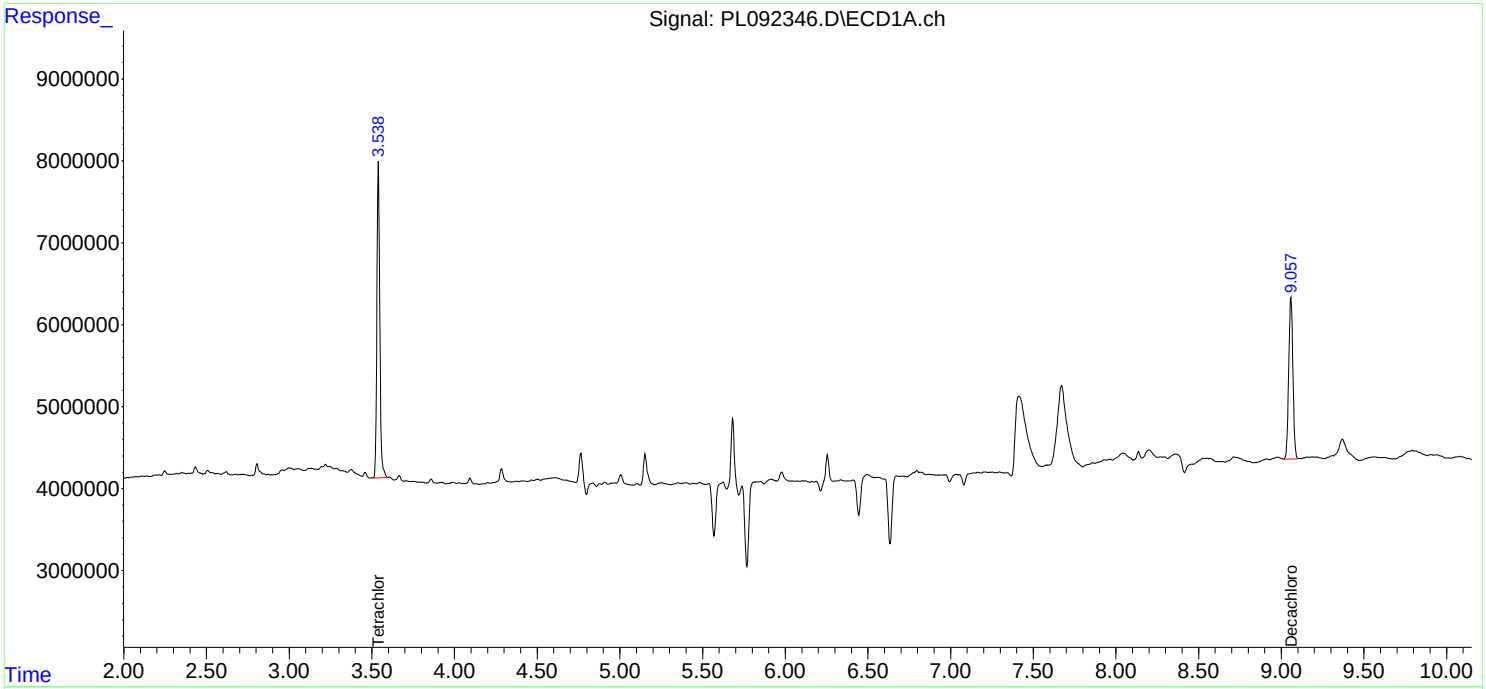
Instrument :
ECD_L
ClientSampleId :
I.BLK

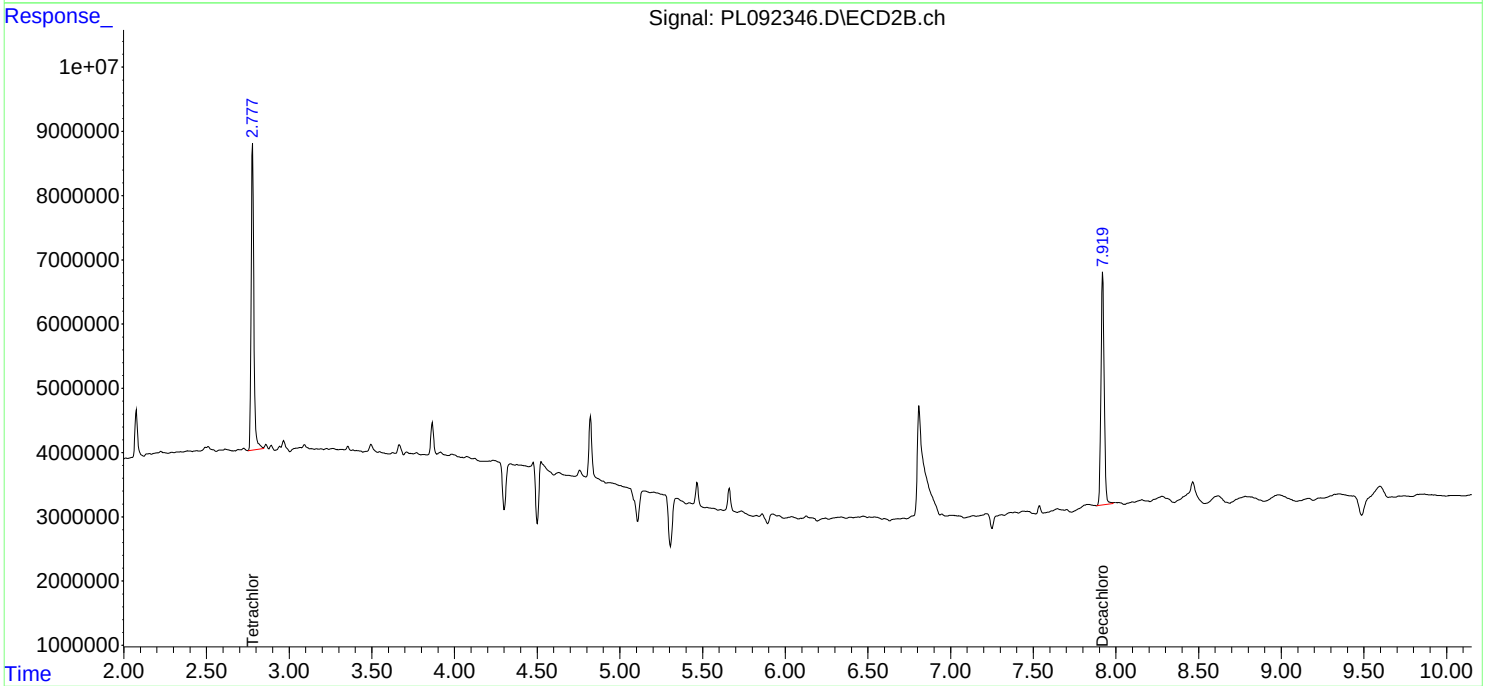
Manual Integrations APPROVED

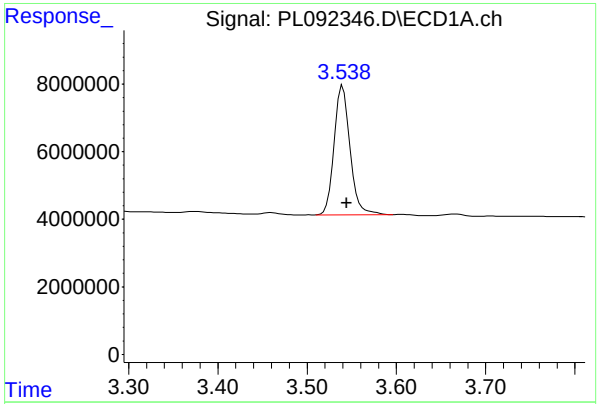
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 01:34:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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







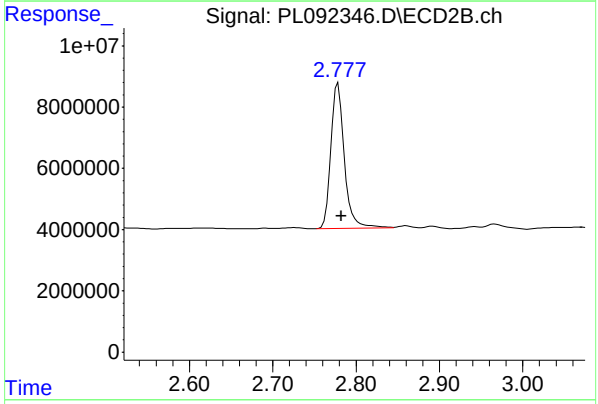
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: -0.004 min
Response: 47521987
Conc: 21.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

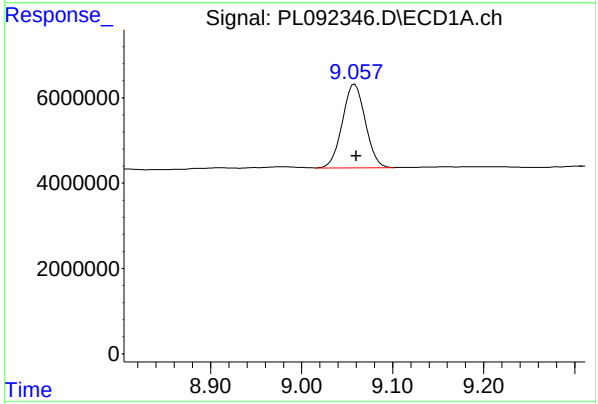
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024



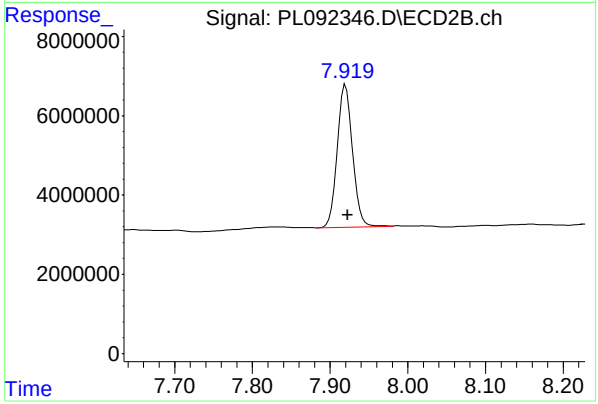
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: -0.004 min
Response: 53279920
Conc: 21.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: -0.003 min
Response: 34496971
Conc: 21.06 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.920 min
Delta R.T.: -0.003 min
Response: 49373172
Conc: 19.73 ng/ml

Raw Data: **PL092332.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB164067BS	SDG No.:	P4258
Lab Sample ID:	PB164067BS	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
PL092332.D	1	10/11/24 09:00	10/11/24 13:37	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.8		0.18	1.70	ug/kg
319-85-7	beta-BHC	16.8		0.49	1.70	ug/kg
319-86-8	delta-BHC	16.4		0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.2		0.19	1.70	ug/kg
76-44-8	Heptachlor	16.7		0.17	1.70	ug/kg
309-00-2	Aldrin	16.2		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	17.3		0.23	1.70	ug/kg
959-98-8	Endosulfan I	17.2		0.17	1.70	ug/kg
60-57-1	Dieldrin	17.3		0.15	1.70	ug/kg
72-55-9	4,4-DDE	17.6		0.13	1.70	ug/kg
72-20-8	Endrin	16.3		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	17.5		0.30	1.70	ug/kg
72-54-8	4,4-DDD	18.9		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	17.1		0.13	1.70	ug/kg
50-29-3	4,4-DDT	16.2		0.17	1.70	ug/kg
72-43-5	Methoxychlor	16.3		0.38	1.70	ug/kg
53494-70-5	Endrin ketone	17.4		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.6		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.2		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	17.4		0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.0		10 - 148	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		10 - 159	103%	SPK: 20

Raw Data: **PL092332.D**

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

Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	PB164067BS		SDG No.:	P4258	
Lab Sample ID:	PB164067BS		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
PL092332.D	1	10/11/24 09:00	10/11/24 13:37	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092332.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 13:37
Operator : AR\AJ
Sample : PB164067BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164067BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:32:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 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	45975229	49932667	20.666	19.909
28) SA	Decachlor...	9.060	7.920	36058096	53289886	22.010	21.299
	Target Compounds						
2) A	alpha-BHC	3.996	3.281	150.4E6	183.2E6	48.566	50.294
3) MA	gamma-BHC...	4.329	3.611	143.2E6	171.8E6	46.224	48.654
4) MA	Heptachlor	4.918	3.950	135.6E6	172.8E6	49.019	50.079
5) MB	Aldrin	5.260	4.230	129.6E6	165.6E6	46.669	48.698
6) B	beta-BHC	4.527	3.910	64993496	75607992	49.001	50.301
7) B	delta-BHC	4.774	4.140	137.5E6	170.6E6	47.668	49.133
8) B	Heptachlo...	5.687	4.733	122.5E6	157.3E6	48.121	52.044
9) A	Endosulfan I	6.073	5.103	111.6E6	142.0E6	48.232	51.752
10) B	gamma-Chl...	5.944	4.983	121.0E6	157.3E6	48.970	52.287
11) B	alpha-Chl...	6.023	5.047	121.6E6	154.4E6	49.345	51.568
12) B	4,4'-DDE	6.196	5.236	107.1E6	146.8E6	49.463	52.822
13) MA	Dieldrin	6.348	5.368	117.7E6	152.0E6	48.244	51.859
14) MA	Endrin	6.577	5.644	95565947	128.3E6	46.376m	48.920
15) B	Endosulfa...	6.798	5.939	103.9E6	131.2E6	47.242	52.423
16) A	4,4'-DDD	6.712	5.791	93139348	121.1E6	51.867m	56.689
17) MA	4,4'-DDT	7.027	6.042	89654772	112.3E6	48.694	48.553
18) B	Endrin al...	6.928	6.118	82591688	101.4E6	47.391	49.694
19) B	Endosulfa...	7.162	6.341	96778659	124.1E6	48.822	51.431
20) A	Methoxychlor	7.504	6.618	48010573	59992884	48.905	47.981
21) B	Endrin ke...	7.648	6.847	109.5E6	145.0E6	49.817	52.354
22)	Mirex	8.121	7.028	84428426	116.8E6	46.879	48.005

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

Sample Results: **PL092332.D**

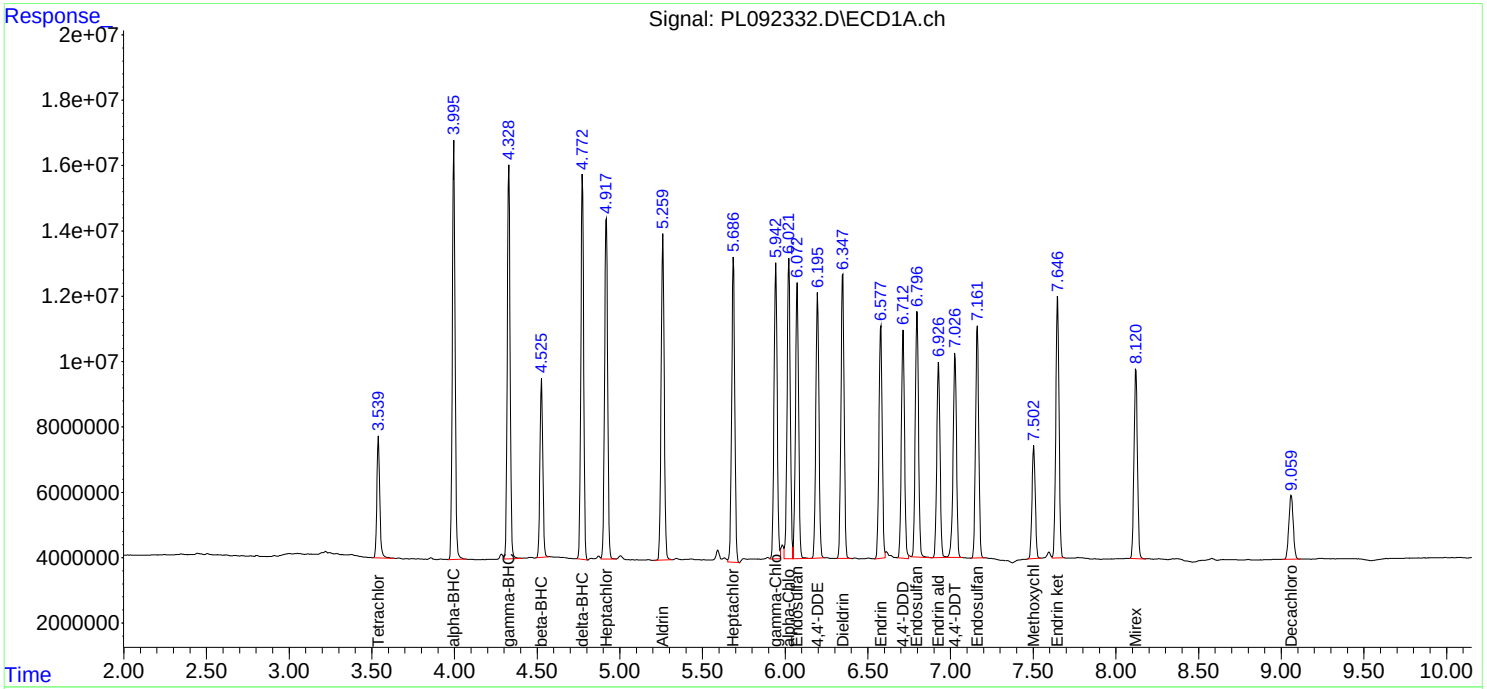
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 13:37
Operator : AR\AJ
Sample : PB164067BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

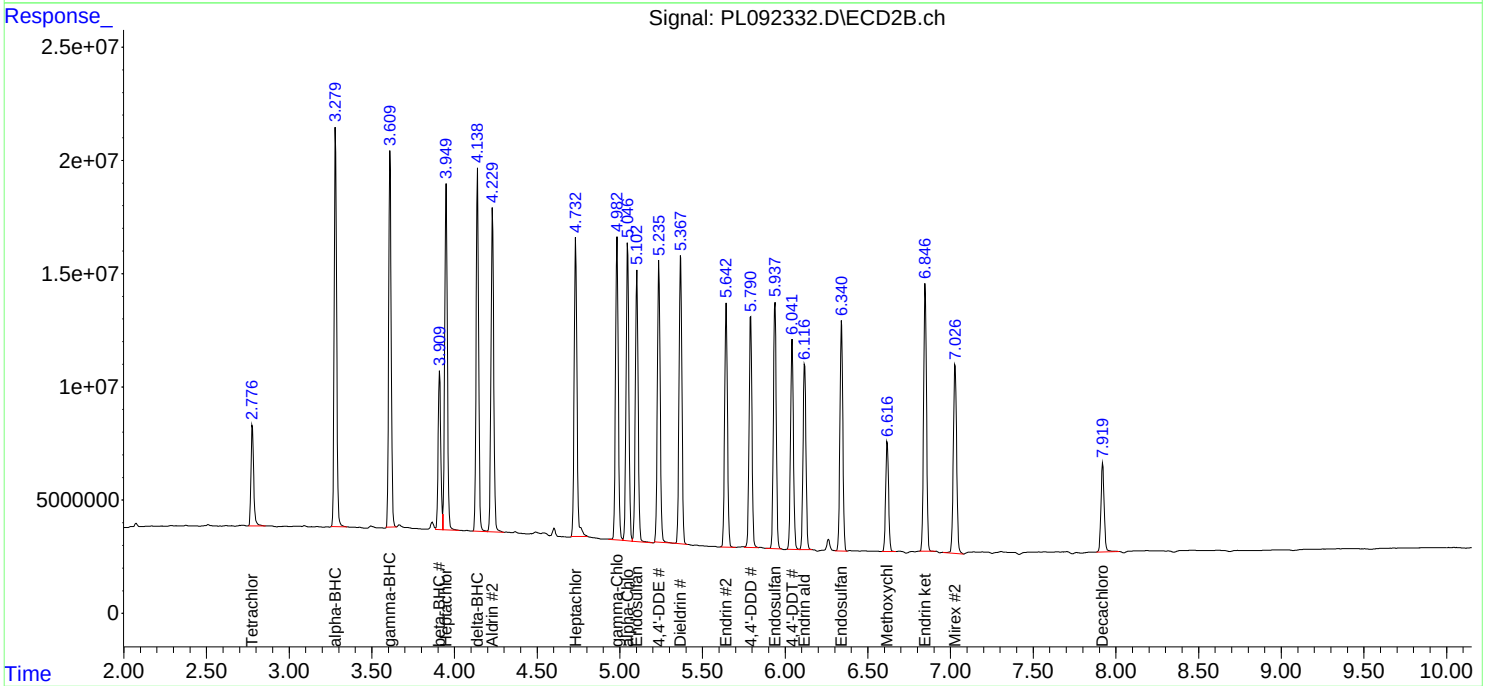
Instrument :
ECD_L
ClientSampleId :
PB164067BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:32:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/10/24
Project:	Perth Amboy	Date Received:	10/10/24
Client Sample ID:	SP-2MS	SDG No.:	P4258
Lab Sample ID:	P4385-04MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95 Decanted:
Sample Wt/Vol:	30.08 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
PL092336.D	1	10/11/24 09:00	10/11/24 14:31	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	15.6		0.19	1.80	ug/kg
319-85-7	beta-BHC	16.0		0.51	1.80	ug/kg
319-86-8	delta-BHC	14.7		0.49	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	15.2		0.20	1.80	ug/kg
76-44-8	Heptachlor	16.0		0.18	1.80	ug/kg
309-00-2	Aldrin	15.3		0.15	1.80	ug/kg
1024-57-3	Heptachlor epoxide	15.5		0.24	1.80	ug/kg
959-98-8	Endosulfan I	15.6		0.18	1.80	ug/kg
60-57-1	Dieldrin	16.7		0.16	1.80	ug/kg
72-55-9	4,4-DDE	43.0	E	0.14	1.80	ug/kg
72-20-8	Endrin	16.9		0.17	1.80	ug/kg
33213-65-9	Endosulfan II	16.0		0.32	1.80	ug/kg
72-54-8	4,4-DDD	19.2		0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	16.1		0.14	1.80	ug/kg
50-29-3	4,4-DDT	39.9	E	0.18	1.80	ug/kg
72-43-5	Methoxychlor	16.3		0.40	1.80	ug/kg
53494-70-5	Endrin ketone	21.2	P	0.23	1.80	ug/kg
7421-93-4	Endrin aldehyde	16.3		0.41	1.80	ug/kg
5103-71-9	alpha-Chlordane	15.9		0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	16.4		0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.50	U	5.50	34.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.9		10 - 148	85%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.4		10 - 159	82%	SPK: 20

Raw Data: **PL092336.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/10/24
Project:	Perth Amboy	Date Received:	10/10/24
Client Sample ID:	SP-2MS	SDG No.:	P4258
Lab Sample ID:	P4385-04MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95 Decanted:
Sample Wt/Vol:	30.08 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
PL092336.D	1	10/11/24 09:00	10/11/24 14:31	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092336.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 14:31
Operator : AR\AJ
Sample : P4385-04MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
SP-2MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:39:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 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	2.778	36382584	40854859	16.354m	16.289	
28)	SA	Decachlor...	9.057	7.920	27693861	39186066	16.905	15.662	
		Target Compounds							
2)	A	alpha-BHC	3.996	3.281	134.6E6	162.6E6	43.456	44.625	
3)	MA	gamma-BHC...	4.328	3.611	129.1E6	153.3E6	41.661	43.417	
4)	MA	Heptachlor	4.917	3.950	126.5E6	158.2E6	45.740	45.840	
5)	MB	Aldrin	5.259	4.230	115.0E6	149.0E6	41.400	43.819	
6)	B	beta-BHC	4.526	3.911	59093735	68616037	44.553	45.650	
7)	B	delta-BHC	4.772	4.140	120.5E6	146.0E6	41.782	42.067	
8)	B	Heptachlo...	5.685	4.733	112.7E6	134.1E6	44.267	44.346	
9)	A	Endosulfan I	6.071	5.103	103.4E6	121.9E6	44.684	44.430	
10)	B	gamma-Chl...	5.941	4.983	115.8E6	138.0E6	46.873	45.873	
11)	B	alpha-Chl...	6.021	5.046	112.2E6	136.3E6	45.559	45.542	
12)	B	4,4'-DDE	6.194	5.235	238.8E6	341.2E6	110.322	122.800	
13)	MA	Dieldrin	6.346	5.367	109.6E6	139.6E6	44.925	47.622	
14)	MA	Endrin	6.575	5.643	89466843	126.6E6	43.416m	48.268	
15)	B	Endosulfa...	6.796	5.938	94635331	114.5E6	43.021	45.768	
16)	A	4,4'-DDD	6.710	5.791	98343576	111.3E6	54.766m	52.124	
17)	MA	4,4'-DDT	7.026	6.041	194.6E6	263.5E6	105.674	113.895	
18)	B	Endrin al...	6.926	6.117	73648375	94861372	42.260	46.484	
19)	B	Endosulfa...	7.160	6.340	88123965	111.1E6	44.456	46.046	
20)	A	Methoxychlor	7.502	6.618	43617495	58138848	44.430	46.498	
21)	B	Endrin ke...	7.645	6.846	133.2E6	124.5E6	60.600m	44.946	#
22)		Mirex	8.119	7.027	74568357	104.1E6	41.404	42.800	

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

Sample Results: **PL092336.D**

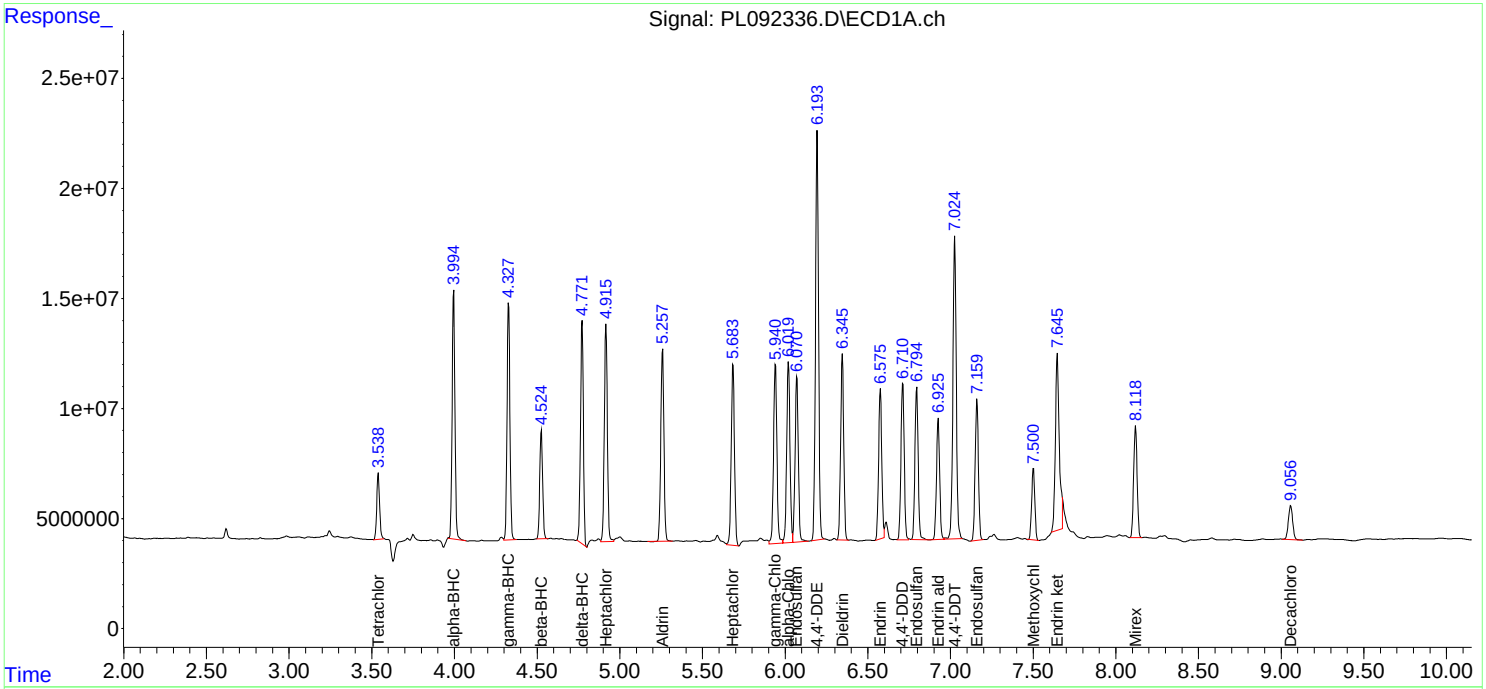
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 14:31
Operator : AR\AJ
Sample : P4385-04MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

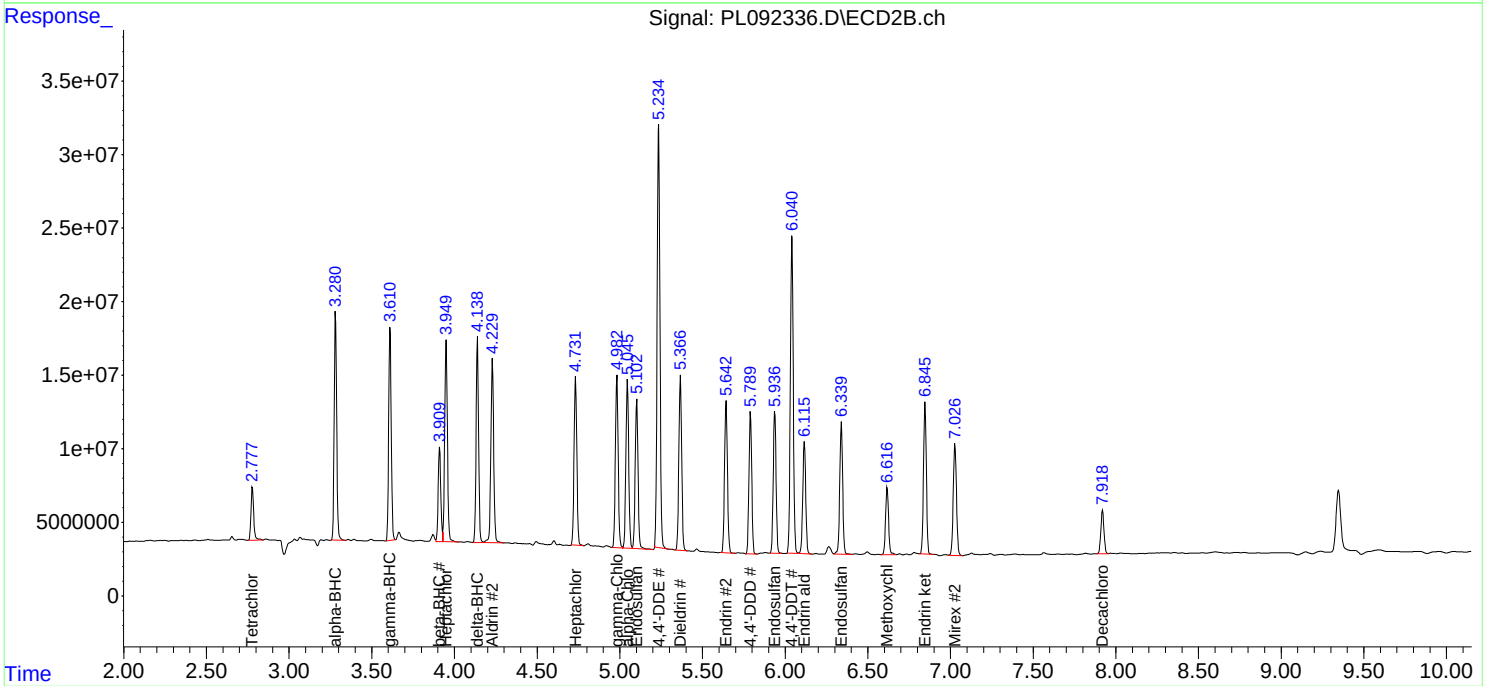
Instrument :
ECD_L
ClientSampleId :
SP-2MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:39:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL092337.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/10/24
Project:	Perth Amboy	Date Received:	10/10/24
Client Sample ID:	SP-2MSD	SDG No.:	P4258
Lab Sample ID:	P4385-04MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95 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
PL092337.D	1	10/11/24 09:00	10/11/24 14:44	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	15.5		0.19	1.80	ug/kg
319-85-7	beta-BHC	15.8		0.51	1.80	ug/kg
319-86-8	delta-BHC	14.6		0.49	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	15.1		0.20	1.80	ug/kg
76-44-8	Heptachlor	15.9		0.18	1.80	ug/kg
309-00-2	Aldrin	15.2		0.15	1.80	ug/kg
1024-57-3	Heptachlor epoxide	15.5		0.24	1.80	ug/kg
959-98-8	Endosulfan I	15.5		0.18	1.80	ug/kg
60-57-1	Dieldrin	16.6		0.16	1.80	ug/kg
72-55-9	4,4-DDE	43.3	E	0.14	1.80	ug/kg
72-20-8	Endrin	16.8		0.17	1.80	ug/kg
33213-65-9	Endosulfan II	16.0		0.32	1.80	ug/kg
72-54-8	4,4-DDD	18.9		0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	16.1		0.14	1.80	ug/kg
50-29-3	4,4-DDT	39.7	E	0.18	1.80	ug/kg
72-43-5	Methoxychlor	16.2		0.40	1.80	ug/kg
53494-70-5	Endrin ketone	22.6	P	0.23	1.80	ug/kg
7421-93-4	Endrin aldehyde	16.2		0.41	1.80	ug/kg
5103-71-9	alpha-Chlordane	15.9		0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	16.2		0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.50	U	5.50	34.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.8		10 - 148	84%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		10 - 159	83%	SPK: 20

Raw Data: **PL092337.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/10/24
Project:	Perth Amboy	Date Received:	10/10/24
Client Sample ID:	SP-2MSD	SDG No.:	P4258
Lab Sample ID:	P4385-04MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95 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
PL092337.D	1	10/11/24 09:00	10/11/24 14:44	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092337.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 14:44
Operator : AR\AJ
Sample : P4385-04MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
SP-2MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:41:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 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	2.778	36996442	39858520	16.630m	15.892
28)	SA	Decachlor...	9.057	7.919	27464423	39130261	16.765	15.640
		Target Compounds						
2)	A	alpha-BHC	3.996	3.281	132.1E6	161.7E6	42.668	44.377
3)	MA	gamma-BHC...	4.328	3.611	127.9E6	152.2E6	41.276	43.113
4)	MA	Heptachlor	4.917	3.950	124.1E6	156.5E6	44.860	45.345
5)	MB	Aldrin	5.258	4.230	113.8E6	147.7E6	40.986	43.436
6)	B	beta-BHC	4.525	3.911	58414212	67992634	44.040	45.235
7)	B	delta-BHC	4.772	4.140	118.5E6	145.1E6	41.079	41.784
8)	B	Heptachlo...	5.685	4.733	110.7E6	133.4E6	43.506	44.141
9)	A	Endosulfan I	6.070	5.103	102.0E6	121.6E6	44.074	44.305
10)	B	gamma-Chl...	5.941	4.983	114.1E6	138.6E6	46.177	46.068
11)	B	alpha-Chl...	6.020	5.047	110.8E6	136.2E6	44.986	45.508
12)	B	4,4'-DDE	6.193	5.236	237.1E6	343.2E6	109.560	123.516
13)	MA	Dieldrin	6.346	5.367	109.0E6	138.8E6	44.711	47.327
14)	MA	Endrin	6.574	5.643	88049972	126.1E6	42.728m	48.095
15)	B	Endosulfa...	6.795	5.938	94097834	114.4E6	42.777	45.708
16)	A	4,4'-DDD	6.710	5.791	96987003	111.9E6	54.010m	52.393
17)	MA	4,4'-DDT	7.026	6.042	191.5E6	262.5E6	103.990	113.479
18)	B	Endrin al...	6.925	6.117	72870983	94684643	41.813	46.398
19)	B	Endosulfa...	7.160	6.340	87464369	110.8E6	44.123	45.911
20)	A	Methoxychlor	7.501	6.617	43749446	57871829	44.564	46.285
21)	B	Endrin ke...	7.644	6.846	141.8E6	124.0E6	64.510m	44.785 #
22)		Mirex	8.119	7.027	73912736	103.5E6	41.040	42.563

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

Sample Results: **PL092337.D**

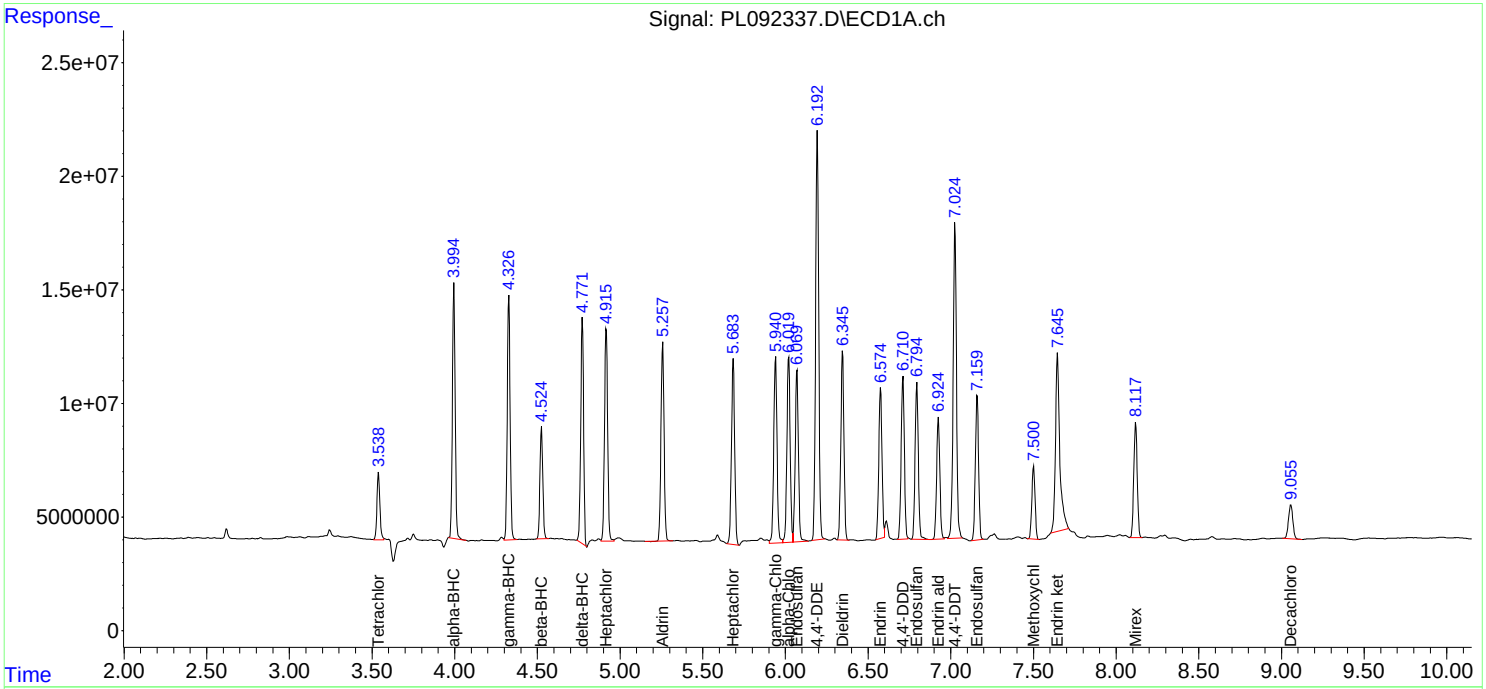
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 14:44
Operator : AR\AJ
Sample : P4385-04MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

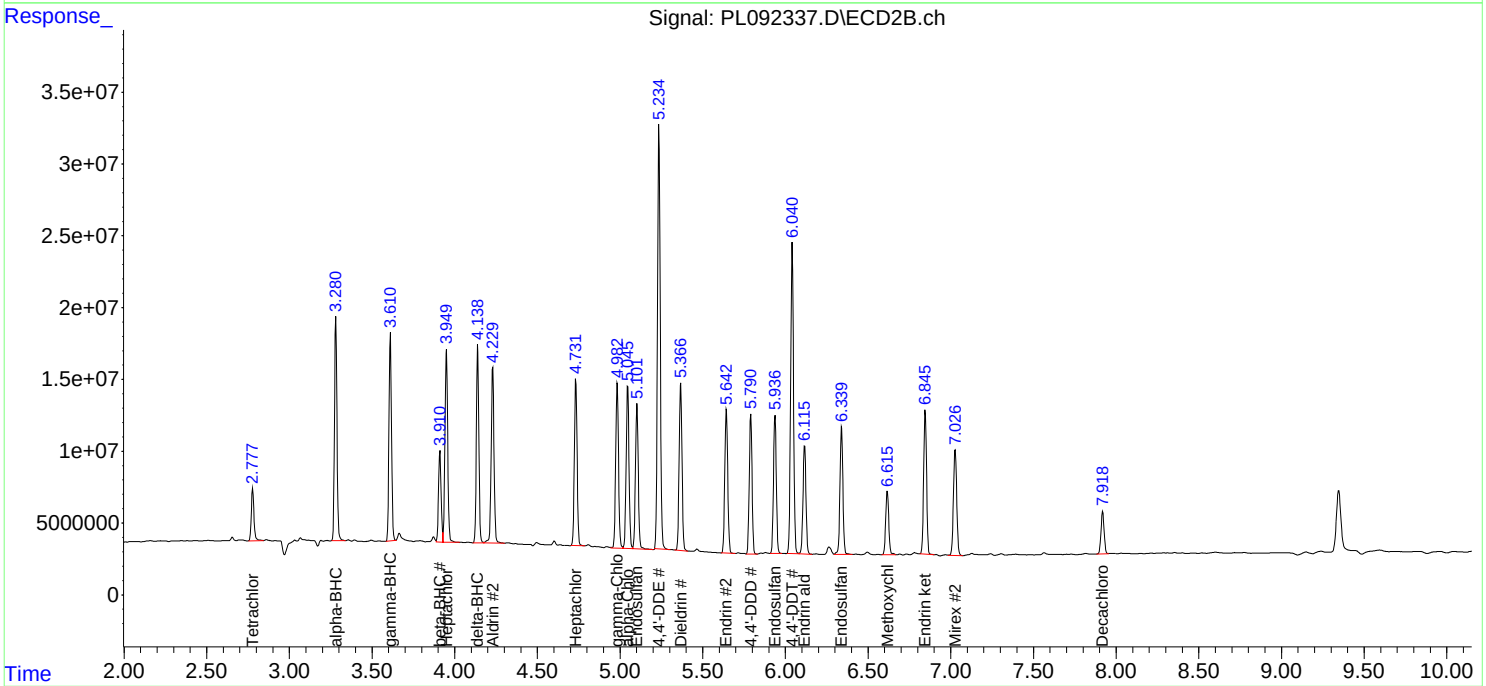
Instrument :
ECD_L
ClientSampleId :
SP-2MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:41:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 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

Manual Integration Report

Sequence:	PL092324	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL091954.D	Endrin ketone #2	Abdul	9/24/2024 9:17:41 AM	Ankita	9/24/2024 11:06:36	Peak Integrated by Software
PSTDICC025	PL091959.D	Heptachlor epoxide	Abdul	9/24/2024 9:17:44 AM	Ankita	9/24/2024 11:06:38	Peak Integrated by Software
PSTDICC005	PL091960.D	delta-BHC	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Endrin ketone #2	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Heptachlor	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Heptachlor epoxide	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Methoxychlor	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PEM	PL091975.D	4,4"-DDE	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	4,4"-DDE #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	4,4"-DDT #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	Endrin ketone #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	gamma-BHC (Lindane)	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	Methoxychlor #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL092324	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL091976.D	4,4"-DDE #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	Aldrin #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	delta-BHC #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	Endrin aldehyde	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	Endrin ketone #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
I.BLK	PL091988.D	Tetrachloro-m-xylene	Abdul	9/24/2024 9:23:07 AM	Ankita	9/24/2024 11:07:26	Peak Integrated by Software
PSTDCCC050	PL091989.D	4,4"-DDD	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	4,4"-DDE #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Aldrin #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	delta-BHC #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Endosulfan II	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Endosulfan II #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Endrin	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL092324	Instrument	ECD_I

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

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

Manual Integration Report

Sequence:	PL101224	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL092320.D	4,4"-DDD	Abdul	10/14/2024 8:50:26 AM	Ankita	10/14/2024 9:17:25	Peak Integrated by Software
PEM	PL092320.D	4,4"-DDE	Abdul	10/14/2024 8:50:26 AM	Ankita	10/14/2024 9:17:25	Peak Integrated by Software
PEM	PL092320.D	4,4"-DDT	Abdul	10/14/2024 8:50:26 AM	Ankita	10/14/2024 9:17:25	Peak Integrated by Software
PEM	PL092320.D	Endrin	Abdul	10/14/2024 8:50:26 AM	Ankita	10/14/2024 9:17:25	Peak Integrated by Software
PSTDCCC050	PL092321.D	4,4"-DDD	Abdul	10/14/2024 8:50:41 AM	Ankita	10/14/2024 9:17:27	Peak Integrated by Software
PSTDCCC050	PL092321.D	4,4"-DDE #2	Abdul	10/14/2024 8:50:41 AM	Ankita	10/14/2024 9:17:27	Peak Integrated by Software
PSTDCCC050	PL092321.D	Aldrin #2	Abdul	10/14/2024 8:50:41 AM	Ankita	10/14/2024 9:17:27	Peak Integrated by Software
PSTDCCC050	PL092321.D	alpha-Chlordane	Abdul	10/14/2024 8:50:41 AM	Ankita	10/14/2024 9:17:27	Peak Integrated by Software
PSTDCCC050	PL092321.D	delta-BHC #2	Abdul	10/14/2024 8:50:41 AM	Ankita	10/14/2024 9:17:27	Peak Integrated by Software
PSTDCCC050	PL092321.D	Endrin ketone #2	Abdul	10/14/2024 8:50:41 AM	Ankita	10/14/2024 9:17:27	Peak Integrated by Software
PSTDCCC050	PL092321.D	gamma-Chlordane	Abdul	10/14/2024 8:50:41 AM	Ankita	10/14/2024 9:17:27	Peak Integrated by Software
PSTDCCC050	PL092321.D	Heptachlor epoxide	Abdul	10/14/2024 8:50:41 AM	Ankita	10/14/2024 9:17:27	Peak Integrated by Software
PSTDCCC050	PL092330.D	4,4"-DDD	Abdul	10/14/2024 4:25:22 PM	Ankita	10/14/2024 4:26:32	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL101224	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL092330.D	4,4"-DDE #2	Abdul	10/14/2024 4:25:22 PM	Ankita	10/14/2024 4:26:32	Peak Integrated by Software
PSTDCCC050	PL092330.D	Aldrin #2	Abdul	10/14/2024 4:25:22 PM	Ankita	10/14/2024 4:26:32	Peak Integrated by Software
PSTDCCC050	PL092330.D	alpha-Chlordane	Abdul	10/14/2024 4:25:22 PM	Ankita	10/14/2024 4:26:32	Peak Integrated by Software
PSTDCCC050	PL092330.D	delta-BHC #2	Abdul	10/14/2024 4:25:22 PM	Ankita	10/14/2024 4:26:32	Peak Integrated by Software
PSTDCCC050	PL092330.D	Endrin ketone #2	Abdul	10/14/2024 4:25:22 PM	Ankita	10/14/2024 4:26:32	Peak Integrated by Software
PSTDCCC050	PL092330.D	gamma-Chlordane	Abdul	10/14/2024 4:25:22 PM	Ankita	10/14/2024 4:26:32	Peak Integrated by Software
PSTDCCC050	PL092330.D	Heptachlor epoxide	Abdul	10/14/2024 4:25:22 PM	Ankita	10/14/2024 4:26:32	Peak Integrated by Software
PSTDCCC050	PL092330.D	Mirex #2	Abdul	10/14/2024 4:25:22 PM	Ankita	10/14/2024 4:26:32	Peak Integrated by Software
PB164067BL	PL092331.D	Decachlorobiphenyl	Abdul	10/14/2024 8:51:20 AM	Ankita	10/14/2024 9:17:59	Peak Integrated by Software
PB164067BS	PL092332.D	4,4"-DDD	Abdul	10/14/2024 8:51:24 AM	Ankita	10/14/2024 9:18:01	Peak Integrated by Software
PB164067BS	PL092332.D	Endrin	Abdul	10/14/2024 8:51:24 AM	Ankita	10/14/2024 9:18:01	Peak Integrated by Software
P4258-03	PL092333.D	4,4"-DDD	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4258-03	PL092333.D	4,4"-DDD #2	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL101224	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4258-03	PL092333.D	4,4"-DDT	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4258-03	PL092333.D	alpha-Chlordane	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4258-03	PL092333.D	alpha-Chlordane #2	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4258-03	PL092333.D	beta-BHC	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4258-03	PL092333.D	Decachlorobiphenyl	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4258-03	PL092333.D	Decachlorobiphenyl #2	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4258-03	PL092333.D	gamma-Chlordane	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4258-03	PL092333.D	gamma-Chlordane #2	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4258-03	PL092333.D	Tetrachloro-m-xylene	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4385-04MS	PL092336.D	4,4"-DDD	Abdul	10/14/2024 8:51:40 AM	Ankita	10/14/2024 9:18:07	Peak Integrated by Software
P4385-04MS	PL092336.D	Endrin	Abdul	10/14/2024 8:51:40 AM	Ankita	10/14/2024 9:18:07	Peak Integrated by Software
P4385-04MS	PL092336.D	Endrin ketone	Abdul	10/14/2024 8:51:40 AM	Ankita	10/14/2024 9:18:07	Peak Integrated by Software
P4385-04MS	PL092336.D	Tetrachloro-m-xylene	Abdul	10/14/2024 8:51:40 AM	Ankita	10/14/2024 9:18:07	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL101224	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4385-04MSD	PL092337.D	4,4"-DDD	Abdul	10/14/2024 8:51:44 AM	Ankita	10/14/2024 9:18:08	Peak Integrated by Software
P4385-04MSD	PL092337.D	Endrin	Abdul	10/14/2024 8:51:44 AM	Ankita	10/14/2024 9:18:08	Peak Integrated by Software
P4385-04MSD	PL092337.D	Endrin ketone	Abdul	10/14/2024 8:51:44 AM	Ankita	10/14/2024 9:18:08	Peak Integrated by Software
P4385-04MSD	PL092337.D	Tetrachloro-m-xylene	Abdul	10/14/2024 8:51:44 AM	Ankita	10/14/2024 9:18:08	Peak Integrated by Software
I.BLK	PL092346.D	Decachlorobiphenyl	Abdul	10/14/2024 8:52:36 AM	Ankita	10/14/2024 9:18:22	Peak Integrated by Software
PSTDCCC050	PL092347.D	4,4"-DDD	Abdul	10/14/2024 8:52:18 AM	Ankita	10/14/2024 9:18:24	Peak Integrated by Software
PSTDCCC050	PL092347.D	4,4"-DDE #2	Abdul	10/14/2024 8:52:18 AM	Ankita	10/14/2024 9:18:24	Peak Integrated by Software
PSTDCCC050	PL092347.D	Aldrin #2	Abdul	10/14/2024 8:52:18 AM	Ankita	10/14/2024 9:18:24	Peak Integrated by Software
PSTDCCC050	PL092347.D	Endrin	Abdul	10/14/2024 8:52:18 AM	Ankita	10/14/2024 9:18:24	Peak Integrated by Software
PSTDCCC050	PL092347.D	gamma-Chlordane	Abdul	10/14/2024 8:52:18 AM	Ankita	10/14/2024 9:18:24	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM		
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM		
SubDirectory	PL092324	HP Acquire Method		HP Processing Method	pl092324 8081

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL091952.D	23 Sep 2024 10:38	AR\AJ	Ok
2	I.BLK	PL091953.D	23 Sep 2024 10:52	AR\AJ	Ok
3	PEM	PL091954.D	23 Sep 2024 11:05	AR\AJ	Ok,M
4	RESCHK	PL091955.D	23 Sep 2024 11:19	AR\AJ	Ok
5	PSTDICC100	PL091956.D	23 Sep 2024 11:32	AR\AJ	Ok
6	PSTDICC075	PL091957.D	23 Sep 2024 11:45	AR\AJ	Ok
7	PSTDICC050	PL091958.D	23 Sep 2024 11:59	AR\AJ	Ok
8	PSTDICC025	PL091959.D	23 Sep 2024 12:12	AR\AJ	Ok,M
9	PSTDICC005	PL091960.D	23 Sep 2024 12:26	AR\AJ	Ok,M
10	PCHLORICC1000	PL091961.D	23 Sep 2024 12:39	AR\AJ	Ok
11	PCHLORICC750	PL091962.D	23 Sep 2024 12:52	AR\AJ	Ok
12	PCHLORICC500	PL091963.D	23 Sep 2024 13:06	AR\AJ	Ok
13	PCHLORICC250	PL091964.D	23 Sep 2024 13:19	AR\AJ	Ok
14	PCHLORICC050	PL091965.D	23 Sep 2024 13:33	AR\AJ	Ok
15	PTOXICC1000	PL091966.D	23 Sep 2024 13:46	AR\AJ	Ok
16	PTOXICC750	PL091967.D	23 Sep 2024 13:59	AR\AJ	Ok
17	PTOXICC500	PL091968.D	23 Sep 2024 14:13	AR\AJ	Ok
18	PTOXICC250	PL091969.D	23 Sep 2024 14:26	AR\AJ	Ok
19	PTOXICC100	PL091970.D	23 Sep 2024 14:40	AR\AJ	Ok,M
20	PSTDICV050	PL091971.D	23 Sep 2024 14:53	AR\AJ	Ok
21	PCHLORICV500	PL091972.D	23 Sep 2024 15:20	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM		
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM		
SubDirectory	PL092324	HP Acquire Method		HP Processing Method	pl092324 8081

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

22	PTOXICV500	PL091973.D	23 Sep 2024 15:47	AR\AJ	Ok
23	I.BLK	PL091974.D	23 Sep 2024 16:13	AR\AJ	Ok
24	PEM	PL091975.D	23 Sep 2024 16:27	AR\AJ	Ok,M
25	PSTDCCC050	PL091976.D	23 Sep 2024 16:40	AR\AJ	Ok,M
26	PB163572BL	PL091977.D	23 Sep 2024 16:54	AR\AJ	Ok
27	PB163572BS	PL091978.D	23 Sep 2024 17:07	AR\AJ	Ok,M
28	P4103-02	PL091979.D	23 Sep 2024 17:20	AR\AJ	Ok,M
29	P4103-02MS	PL091980.D	23 Sep 2024 17:34	AR\AJ	Ok,M
30	P4103-02MSD	PL091981.D	23 Sep 2024 17:47	AR\AJ	Ok,M
31	P4103-05	PL091982.D	23 Sep 2024 18:01	AR\AJ	Ok
32	P4103-08	PL091983.D	23 Sep 2024 18:14	AR\AJ	Ok,M
33	P4103-11	PL091984.D	23 Sep 2024 18:28	AR\AJ	Ok,M
34	P4103-14	PL091985.D	23 Sep 2024 18:41	AR\AJ	Ok,M
35	P4103-17	PL091986.D	23 Sep 2024 18:55	AR\AJ	Ok,M
36	PB163511TB	PL091987.D	23 Sep 2024 19:08	AR\AJ	Ok,M
37	I.BLK	PL091988.D	23 Sep 2024 19:21	AR\AJ	Ok,M
38	PSTDCCC050	PL091989.D	23 Sep 2024 19:35	AR\AJ	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL101224

Review By	Abdul	Review On	10/14/2024 8:53:28 AM		
Supervise By	Ankita	Supervise On	10/14/2024 9:18:39 AM		
SubDirectory	PL101224	HP Acquire Method		HP Processing Method	pl092324 8081

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092318.D	11 Oct 2024 08:29	AR\AJ	Ok
2	I.BLK	PL092319.D	11 Oct 2024 08:42	AR\AJ	Ok
3	PEM	PL092320.D	11 Oct 2024 08:56	AR\AJ	Ok,M
4	PSTDCCC050	PL092321.D	11 Oct 2024 09:09	AR\AJ	Ok,M
5	PB164033BL	PL092322.D	11 Oct 2024 09:23	AR\AJ	Ok,M
6	P4368-01	PL092323.D	11 Oct 2024 09:36	AR\AJ	Ok,M
7	P4368-07	PL092324.D	11 Oct 2024 10:12	AR\AJ	Ok,M
8	P4368-01	PL092325.D	11 Oct 2024 10:29	AR\AJ	Ok,M
9	P4368-07	PL092326.D	11 Oct 2024 10:49	AR\AJ	Ok,M
10	P4368-02	PL092327.D	11 Oct 2024 11:10	AR\AJ	Ok,M
11	P4368-08	PL092328.D	11 Oct 2024 11:23	AR\AJ	Ok,M
12	I.BLK	PL092329.D	11 Oct 2024 11:40	AR\AJ	Ok
13	PSTDCCC050	PL092330.D	11 Oct 2024 11:54	AR\AJ	Ok,M
14	PB164067BL	PL092331.D	11 Oct 2024 13:24	AR\AJ	Ok,M
15	PB164067BS	PL092332.D	11 Oct 2024 13:37	AR\AJ	Ok,M
16	P4258-03	PL092333.D	11 Oct 2024 13:51	AR\AJ	Ok,M
17	P4385-02	PL092334.D	11 Oct 2024 14:04	AR\AJ	Ok,M
18	P4385-04	PL092335.D	11 Oct 2024 14:17	AR\AJ	Ok,M
19	P4385-04MS	PL092336.D	11 Oct 2024 14:31	AR\AJ	Ok,M
20	P4385-04MSD	PL092337.D	11 Oct 2024 14:44	AR\AJ	Ok,M
21	P4385-08	PL092338.D	11 Oct 2024 14:58	AR\AJ	Ok,M

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL101224

Review By	Abdul	Review On	10/14/2024 8:53:28 AM		
Supervise By	Ankita	Supervise On	10/14/2024 9:18:39 AM		
SubDirectory	PL101224	HP Acquire Method		HP Processing Method	pl092324 8081

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

22	P4385-10	PL092339.D	11 Oct 2024 15:11	AR\AJ	Ok,M
23	P4385-14	PL092340.D	11 Oct 2024 15:25	AR\AJ	Ok,M
24	P4385-16	PL092341.D	11 Oct 2024 15:38	AR\AJ	Ok,M
25	P4385-20	PL092342.D	11 Oct 2024 15:52	AR\AJ	Ok,M
26	P4385-06	PL092343.D	11 Oct 2024 16:32	AR\AJ	Ok,M
27	P4385-18	PL092344.D	11 Oct 2024 16:59	AR\AJ	Ok,M
28	P4385-12	PL092345.D	11 Oct 2024 17:18	AR\AJ	Ok,M
29	I.BLK	PL092346.D	11 Oct 2024 17:31	AR\AJ	Ok,M
30	PSTDCCC050	PL092347.D	11 Oct 2024 17:48	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM		
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM		
SubDirectory	PL092324	HP Acquire Method		HP Processing Method	pl092324 8081

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL091952.D	23 Sep 2024 10:38		AR\AJ	Ok
2	I.BLK	I.BLK	PL091953.D	23 Sep 2024 10:52		AR\AJ	Ok
3	PEM	PEM	PL091954.D	23 Sep 2024 11:05		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL091955.D	23 Sep 2024 11:19		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL091956.D	23 Sep 2024 11:32		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL091957.D	23 Sep 2024 11:45		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL091958.D	23 Sep 2024 11:59		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL091959.D	23 Sep 2024 12:12		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL091960.D	23 Sep 2024 12:26		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL091961.D	23 Sep 2024 12:39		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL091962.D	23 Sep 2024 12:52		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL091963.D	23 Sep 2024 13:06		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL091964.D	23 Sep 2024 13:19		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL091965.D	23 Sep 2024 13:33		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL091966.D	23 Sep 2024 13:46		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL091967.D	23 Sep 2024 13:59		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL091968.D	23 Sep 2024 14:13		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL091969.D	23 Sep 2024 14:26		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM		
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM		
SubDirectory	PL092324	HP Acquire Method		HP Processing Method	pl092324 8081

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

19	PTOXICC100	PTOXICC100	PL091970.D	23 Sep 2024 14:40		AR\AJ	Ok,M
20	PSTDICV050	ICVPL092324	PL091971.D	23 Sep 2024 14:53		AR\AJ	Ok
21	PCHLORICV500	ICVPL092324CHLOR	PL091972.D	23 Sep 2024 15:20		AR\AJ	Ok
22	PTOXICV500	ICVPL092324TOX	PL091973.D	23 Sep 2024 15:47		AR\AJ	Ok
23	I.BLK	I.BLK	PL091974.D	23 Sep 2024 16:13		AR\AJ	Ok
24	PEM	PEM	PL091975.D	23 Sep 2024 16:27		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL091976.D	23 Sep 2024 16:40		AR\AJ	Ok,M
26	PB163572BL	PB163572BL	PL091977.D	23 Sep 2024 16:54		AR\AJ	Ok
27	PB163572BS	PB163572BS	PL091978.D	23 Sep 2024 17:07		AR\AJ	Ok,M
28	P4103-02	WC-22A	PL091979.D	23 Sep 2024 17:20	TCMX low 1st column	AR\AJ	Ok,M
29	P4103-02MS	WC-22AMS	PL091980.D	23 Sep 2024 17:34	TCMX low 1st column	AR\AJ	Ok,M
30	P4103-02MSD	WC-22AMSD	PL091981.D	23 Sep 2024 17:47	TCMX low 1st column	AR\AJ	Ok,M
31	P4103-05	WC-14-5-7.5A	PL091982.D	23 Sep 2024 18:01		AR\AJ	Ok
32	P4103-08	WC-14-5-7.5B	PL091983.D	23 Sep 2024 18:14		AR\AJ	Ok,M
33	P4103-11	WC-14-7.5-10A	PL091984.D	23 Sep 2024 18:28		AR\AJ	Ok,M
34	P4103-14	WC-14-7.5-10B	PL091985.D	23 Sep 2024 18:41		AR\AJ	Ok,M
35	P4103-17	WC-23	PL091986.D	23 Sep 2024 18:55		AR\AJ	Ok,M
36	PB163511TB	PB163511TB	PL091987.D	23 Sep 2024 19:08		AR\AJ	Ok,M
37	I.BLK	I.BLK	PL091988.D	23 Sep 2024 19:21		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM		
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM		
SubDirectory	PL092324	HP Acquire Method		HP Processing Method	pl092324 8081

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

38	PSTDCCC050	PSTDCCC050	PL091989.D	23 Sep 2024 19:35		AR\AJ	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL101224

Review By	Abdul	Review On	10/14/2024 8:53:28 AM		
Supervise By	Ankita	Supervise On	10/14/2024 9:18:39 AM		
SubDirectory	PL101224	HP Acquire Method		HP Processing Method	pl092324 8081

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092318.D	11 Oct 2024 08:29		AR\AJ	Ok
2	I.BLK	I.BLK	PL092319.D	11 Oct 2024 08:42		AR\AJ	Ok
3	PEM	PEM	PL092320.D	11 Oct 2024 08:56		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL092321.D	11 Oct 2024 09:09		AR\AJ	Ok,M
5	PB164033BL	PB164033BL	PL092322.D	11 Oct 2024 09:23		AR\AJ	Ok,M
6	P4368-01	LOD-MDL-SOIL-01-QT	PL092323.D	11 Oct 2024 09:36	PEST LOD 1PPB SOIL	AR\AJ	Ok,M
7	P4368-07	LOD-MDL-WATER-01-(	PL092324.D	11 Oct 2024 10:12	PEST LOD 1PPB WATER	AR\AJ	Ok,M
8	P4368-01	LOD-MDL-SOIL-01-QT	PL092325.D	11 Oct 2024 10:29	PEST LOD 2.5PPB SOIL	AR\AJ	Ok,M
9	P4368-07	LOD-MDL-WATER-01-(	PL092326.D	11 Oct 2024 10:49	PEST LOD 2.5PPB WATER	AR\AJ	Ok,M
10	P4368-02	LOQ-SOIL-02-QT4-202	PL092327.D	11 Oct 2024 11:10	PEST LOQ 5PPB SOIL	AR\AJ	Ok,M
11	P4368-08	LOQ-WATER-02-QT4-2	PL092328.D	11 Oct 2024 11:23	PEST LOQ 5PPB WATER	AR\AJ	Ok,M
12	I.BLK	I.BLK	PL092329.D	11 Oct 2024 11:40		AR\AJ	Ok
13	PSTDCCC050	PSTDCCC050	PL092330.D	11 Oct 2024 11:54		AR\AJ	Ok,M
14	PB164067BL	PB164067BL	PL092331.D	11 Oct 2024 13:24		AR\AJ	Ok,M
15	PB164067BS	PB164067BS	PL092332.D	11 Oct 2024 13:37		AR\AJ	Ok,M
16	P4258-03	Chamberlain Ave	PL092333.D	11 Oct 2024 13:51		AR\AJ	Ok,M
17	P4385-02	SP-1	PL092334.D	11 Oct 2024 14:04		AR\AJ	Ok,M
18	P4385-04	SP-2	PL092335.D	11 Oct 2024 14:17		AR\AJ	Ok,M

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Fax : 908 789 8922

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL101224

Review By	Abdul	Review On	10/14/2024 8:53:28 AM		
Supervise By	Ankita	Supervise On	10/14/2024 9:18:39 AM		
SubDirectory	PL101224	HP Acquire Method		HP Processing Method	pl092324 8081

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

19	P4385-04MS	SP-2MS	PL092336.D	11 Oct 2024 14:31	4,4-DDE, 4,4-DDT Recovery Fail	AR\AJ	Ok,M
20	P4385-04MSD	SP-2MSD	PL092337.D	11 Oct 2024 14:44	4,4-DDE, 4,4-DDT Recovery Fail	AR\AJ	Ok,M
21	P4385-08	SP-4	PL092338.D	11 Oct 2024 14:58		AR\AJ	Ok,M
22	P4385-10	SP-5	PL092339.D	11 Oct 2024 15:11		AR\AJ	Ok,M
23	P4385-14	SP-7	PL092340.D	11 Oct 2024 15:25		AR\AJ	Ok,M
24	P4385-16	SP-8	PL092341.D	11 Oct 2024 15:38		AR\AJ	Ok,M
25	P4385-20	SP-10	PL092342.D	11 Oct 2024 15:52		AR\AJ	Ok,M
26	P4385-06	SP-3	PL092343.D	11 Oct 2024 16:32		AR\AJ	Ok,M
27	P4385-18	SP-9	PL092344.D	11 Oct 2024 16:59		AR\AJ	Ok,M
28	P4385-12	SP-6	PL092345.D	11 Oct 2024 17:18		AR\AJ	Ok,M
29	I.BLK	I.BLK	PL092346.D	11 Oct 2024 17:31		AR\AJ	Ok,M
30	PSTDCCC050	PSTDCCC050	PL092347.D	11 Oct 2024 17:48		AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/2/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:35
In Date: 10/01/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 10/02/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB132680

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
P4242-01	TP-Q	1	1.15	8.81	9.96	9.47	94.4	
P4242-02	TP-Q-EPH	2	1.19	8.66	9.85	9.09	91.2	
P4242-03	TP-Q-VOC	3	1.17	8.58	9.75	8.97	90.9	
P4249-01	RV-25(4-4.5)	4	1.18	8.54	9.72	9.4	96.3	
P4249-02	RV-26(2-2.5)	5	1.14	8.84	9.98	9.08	89.8	
P4249-03	RV-27(2-2.5)	6	1.15	8.35	9.5	8.72	90.7	
P4249-04	RV-28(2-2.5)	7	1.18	8.64	9.82	8.58	85.6	
P4254-01	MH-147-SLUDGE	8	1.13	8.60	9.73	4.39	37.9	sludge sample
P4254-02	MH-147-SLUDGE-VOC	9	1.15	8.81	9.96	4.56	38.7	sludge sample
P4254-03	MH-147-SLUDGE-E2	10	1.14	8.82	9.96	4.13	33.9	sludge sample
P4255-01	OR-03-100124	11	1.14	8.43	9.57	8.57	88.1	
P4255-02	OR-03-100124-E2	12	1.15	8.71	9.86	8.97	89.8	
P4256-01	585	13	1.19	8.49	9.68	7.19	70.7	
P4256-02	31480	14	1.00	1.00	2.00	2.00	100.0	debris
P4257-01	VNJ-240	15	1.12	8.50	9.62	9.03	93.1	
P4257-02	VNJ-240	16	1.14	8.80	9.94	9.18	91.4	
P4258-01	Chamberlain Ave	17	1.17	8.57	9.74	8.54	86.0	
P4258-03	Chamberlain Ave	18	1.17	8.57	9.74	8.54	86.0	

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

WORKLIST(Hardcopy Internal Chain)

VJ 132680

WorkList Name : %100124 **WorkList ID :** 183974 **Department :** Wet-Chemistry **Date :** 10-01-2024 08:04:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4242-01	TP-Q	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4242-02	TP-Q-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4242-03	TP-Q-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4249-01	RV-25(4-4.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	J51	10/01/2024	Chemtech -SO
P4249-02	RV-26(2-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	J51	10/01/2024	Chemtech -SO
P4249-03	RV-27(2-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	J51	10/01/2024	Chemtech -SO
P4249-04	RV-28(2-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	J51	10/01/2024	Chemtech -SO
P4254-01	MH-147-SLUDGE	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4254-02	MH-147-SLUDGE-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4254-03	MH-147-SLUDGE-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4255-01	OR-03-100124	Solid	Percent Solids	Cool 4 deg C	PSEG05	J51	10/01/2024	Chemtech -SO
P4255-02	OR-03-100124-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	J51	10/01/2024	Chemtech -SO
P4256-01	585	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4256-02	31480	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4257-01	VNJ-240	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4257-02	VNJ-240	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4258-01	Chamberlain Ave	Solid	Percent Solids	Cool 4 deg C	ROMA02	H11	10/01/2024	Chemtech -SO
P4258-03	Chamberlain Ave	Solid	Percent Solids	Cool 4 deg C	ROMA02	H51	10/01/2024	Chemtech -SO

Date/Time 10/01/24 15:25

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 10/01/24 17:00

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164067

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	10/11/2024
Matrix :	Solid			**Extraction Start Time :**	09:00
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	10/11/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:00
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP23638
Surrogate	1.0ML	200 PPB	PP23641
MDL	0.1ML	~~N/A~~ 100 PPB	PP23502
MDL 1	0.25ML	1000 PPB	PP23504
MDL 2	0.5ML	1000 PPB	PP23533

10/11

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2539
Baked Na2SO4	N/A	EP2543
Sand	N/A	E2865
Hexane	N/A	E3816
Florisil	N/A	E3806
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/11/24	RP (Ext Lab)	AJ/ FST PCA Lab
12:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164067

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 10/11/2024

Sample ID	Client Sample ID	Test	(g) mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164067BL	PBLK067	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			U7-1
PB164067BS	PLCS067	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			2
P4258-03	CHAMBERLAIN AVE	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	A		3
P4368-03	MDL-SOIL-03-QT4-2024 0.1mL	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			4
P4385-02	SP-1	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	B		5
P4385-04	SP-2	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	B		6
P4385-04MS	SP-2MS	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	B		U5-1
P4385-04MSD	SP-2MSD	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	B		2
P4385-06	SP-3	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	B		3
P4385-08	SP-4	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	B		4
P4385-10	SP-5	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	B		5
P4385-12	SP-6	Pesticide-TCL	30.10	N/A	ritesh	Evelyn	10	B		6
P4385-14	SP-7	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	B		U1-1
P4385-16	SP-8	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	B		2
P4385-18	SP-9	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	B		3
P4385-20	SP-10	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	B		4
0.25mL	CHLORDANE	|	30.00	|	|	|	|			5
0.5mL	TOXAPHENE	|	30.02	|	|	|	10			6

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

10/11/24

164067
9:02

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4258 **WorkList ID :** 184329 **Department :** Extraction **Date :** 10-11-2024 08:04:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4258-03	Chamberlain Ave	Solid	Pesticide-TCL	Cool 4 deg C	ROMA02	K21	10/01/2024	8081B
P4368-03	MDL-SOIL-03-QT4-2024	Solid	Pesticide-TCL	Cool 4 deg C	CHEM02	QA Of	10/09/2024	8081B
P4385-02	SP-1	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B
P4385-04	SP-2	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B
P4385-06	SP-3	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B
P4385-08	SP-4	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B
P4385-10	SP-5	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B
P4385-12	SP-6	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B
P4385-14	SP-7	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B
P4385-16	SP-8	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B
P4385-18	SP-9	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B
P4385-20	SP-10	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B

Date/Time 10/11/24 8:55
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: JD(SM)

Date/Time 10/11/24 9:25
Raw Sample Received by: JD(SM)
Raw Sample Relinquished by: RJ (Ext Lab)

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. P4258 / P4261
QUOTE NO.
COC Number 2041986

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Roman E&G
ADDRESS: 14 Ogden St
CITY Newark STATE: NJ ZIP: 07104
ATTENTION: Sonny Puzzo
PHONE: 973-482-1123 FAX: 973-482-7154

CLIENT PROJECT INFORMATION

PROJECT NAME: Perth Amboy Watermain
PROJECT NO.: 24-651 LOCATION: Perth Amboy
PROJECT MANAGER: Mark Matthiess
e-mail: engineer@romaneg.com
PHONE: 973-482-1123 FAX: 973-482-7154

CLIENT BILLING INFORMATION

BILL TO: Roman E&G PO#: 24-651
ADDRESS: 14 Ogden St
CITY Newark STATE: NJ ZIP 07104
ATTENTION: Frank PHONE: 973-482-1123

DATA TURNAROUND INFORMATION

FAX (RUSH) 6 10/7 DAYS*
HARDCOPY (DATA PACKAGE): 6 10/7 DAYS*
EDD: 6 10/7 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

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

ANALYSIS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	Chamberlain Ave	S		X	10/1	11:45	1										
2.		S		X	10/1	11:45	1										
3.		S		X	10/1	11:45	1										
4.		S		X	10/1	11:45	1										
5.		S		X	10/1	11:45	1										
6.		S		X	10/1	11:45	1										
7.		S		X	10/1	11:45	1										
8.		S		X	10/1	11:45	1										
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Sonny Puzzo	10/1 12:54	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 22.1 °C
Comments: If Cm # (

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other ____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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

Test Group	Analyses	Matrix	Method
METALS-TAL	Mercury	Water	7470A
	TAL ICP Metals	Water	6010D
RCRA CHARACTERIS	Flash Point	Water	1010B
	pH	Water	9040C
	Reactive Cyanide	Water	9012B
	Reactive Sulfide	Water	9034
TCLP METALS	TCLP Extraction	Water	1311
	TCLP ICP Metals	Water	6010D
	TCLP Mercury	Water	7470A
GROWS Concrete	Ammonia	Solid	SM4500-NH3
	Chemical Oxygen Demar	Solid	SM5220 D
	Oil & Grease	Solid	1664A
	Paint Filter Test	Solid	9095B
	PCBs	Solid	8082A
	Percent Solids	Solid	Chemtech -SOP
	pH	Solid	9045D
	Total Solids	Solid	SM2540 B
	Total Volatile Solids	Solid	160.4
GROWS Concrete AS	ASTM Leachate/ Ammon	Solid	SM4500-NH3
	ASTM Leachate/COD	Solid	SM5220 D
	ASTM Leachate Extracti	Solid	ASTM
	ASTM Leachate/Oil & Gr	Solid	1664A
	ASTM Leachate/Total Sol	Solid	SM2540 B
GROWS Concrete-Wa	Corrosivity	Solid	9045D
	Ignitability	Solid	1030
	Reactive Cyanide	Solid	9012B
	Reactive Sulfide	Solid	9034
	TCLP Semivolatiles	Solid	8270E
	TCLP Extraction	Solid	1311
	TCLP Herbicides	Solid	8151A
	TCLP Mercury	Solid	7470A
	TCLP Metals + Cu+Ni+Zr	Solid	6010D
	TCLP Pesticides	Solid	8081B
	TCLP Volatiles	Solid	8260C
	TCLP ZHE Extraction	Solid	1311 ZHE
GROWS Soil	PCBs	Solid	8082A
	Percent Solids	Solid	Chemtech -SOP
	pH	Solid	9045D
	TCL Volatiles+10	Solid	8260D
GROWS Soil-Waste C	Corrosivity	Solid	9045D
	Ignitability	Solid	1030
	Reactive Cyanide	Solid	9012B
	Reactive Sulfide	Solid	9034
	TCLP Semivolatiles	Solid	8270E
	TCLP Extraction	Solid	1311
	TCLP Herbicides	Solid	8151A
	TCLP Mercury	Solid	7470A
	TCLP Metals + Cu+Ni+Zr	Solid	6010D
	TCLP Pesticides	Solid	8081B
	TCLP Volatiles	Solid	8260D
	TCLP ZHE Extraction	Solid	1311 ZHE

Seperate

Seperate

Grows Concrete

Grows Concrete ASTM

Grows Soil

Grows Soil - Waste Class

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Wednesday, October 2, 2024 11:07 AM
Subject: Re: Project: Perth Amboy Query

Good Morning Sonny,

I am reaching out to inform you that samples received for project were out of temperature range of -6.

It's a standard procedure to inform client, for documentation purposes.

Regards,

Kiran Saleem
Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Sonny Puzzo <spuzzo@romaneg.com>
Sent: Tuesday, October 1, 2024 3:16 PM
To: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Subject: Re: Project: Perth Amboy Query

Kiran,

Should be 24-651.

Thank you.

All the Best,

Sonny Puzzo
Project Coordinator

14 Ogden Street
Newark, NJ 07104
Office: (973) 482-1123 Ext:21
Fax: (973) 482-7154
Cell: (973) 803-6113

Veteran-Owned Business (NJ)

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Tuesday, October 1, 2024 3:15 PM
To: Sonny Puzzo <spuzzo@romaneg.com>
Subject: Re: Project: Perth Amboy Query

Also, can you please clarify the PO# under 'Client Billing Information', I can't make out what the first digit is.

Regards,

Kiran Saleem
Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Tuesday, October 1, 2024 2:35 PM
To: Sonny Puzzo <spuzzo@romaneg.com>
Subject: Re: Project: Perth Amboy Query

Thank you Sonny.

Regards,

Kiran Saleem
Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Sonny Puzzo <spuzzo@romaneg.com>
Sent: Tuesday, October 1, 2024 2:26 PM
To: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Cc: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Subject: Re: Project: Perth Amboy Query

Good Afternoon Kiran,

Roman would like the results of the test back by 10/7.

Sorry for the confusion... Thank you!

All the Best,

Sonny Puzzo
Project Coordinator

14 Ogden Street
Newark, NJ 07104
Office: (973) 482-1123 Ext:21
Fax: (973) 482-7154
Cell: (973) 803-6113
Veteran-Owned Business (NJ)

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Tuesday, October 1, 2024 2:19 PM
To: Sonny Puzzo <spuzzo@romaneg.com>
Cc: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Subject: Project: Perth Amboy Query

Hi Sonny,

I am reaching out to regarding the Turn around time (TAT) of the results, the fax required says 6 days and then 10/7 which is confusing.

If results are required on 10/7, then TAT would be 4 days. If results are required in 6 days, then you will have results on 10/9.

Please confirm ASAP. Attached COC for your review.

Thanks.

Regards,

Kiran Saleem
Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4258 ROMA02
Client Name : Roman E&G Corp
Client Contact : Mark Mattheiss
Invoice Name : Roman E&G Corp
Invoice Contact : Mark Mattheiss

Order Date : 10/1/2024 1:21:00 PM
Project Name : Perth Amboy
Receive DateTime : 10/1/2024 12:54:00 PM
Purchase Order :

Project Mgr : Kiran
Report Type : ~~Level 2~~ NJ Reduced
EDD Type : ~~Excel NJ~~ HAZ/Excel
Hard Copy Date :
Date Signoff : 10/1/2024 3:13:24 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4258-03	Chamberlain Ave	Solid	10/01/2024	11:45	VOC-TCLVOA-10	GROWS Soil	8260D		4 Bus. Days
P4258-04	Chamberlain Ave	Solid	10/01/2024	11:45	TCLP VOA	ROWS Soil-Waste Cla	8260C		4 Bus. Days

Relinguished By :
Date / Time : 10-2-24 8:03

Received By :
Date / Time : 10/02/24 8:03
Storage Area : VOA Refridgerator Room