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

Cover Page

Order ID : P4660

Project ID : 540 Degraw St, Brooklyn, NY - E9309

Client : ENTACT

Lab Sample Number	Client Sample Number
P4660-01	WC-TA2-01-G
P4660-02	WC-TA2-01-C
P4660-03	WC-TA2-01-C
P4660-04	WC-TA2-01-C
P4660-05	WC-WOOD-01-G
P4660-06	WC-WOOD-01-C
P4660-07	WC-WOOD-01-C
P4660-08	WC-WOOD-01-C
P4660-09	WC-CONCRETE-01-G
P4660-10	WC-CONCRETE-01-C
P4660-11	WC-CONCRETE-01-C
P4660-12	WC-CONCRETE-01-C

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

Signature : _____

Date: 11/11/2024

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4660**

	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: **SHREENA PATEL** **Date:** **11/11/2024**

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

LAB CHRONICLE

OrderID:	P4660	**OrderDate:**	10/31/2024 2:38:00 PM
Client:	ENTACT	**Project:**	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	**Location:**	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4660-02	**WC-TA2-01-C**	**SOIL**			**10/30/24**			**10/31/24**
			PCB	8082A		11/04/24	11/04/24	
P4660-03	**WC-TA2-01-C**	**TCLP**			**10/30/24**			**10/31/24**
			TCLP Herbicide	8151A		11/06/24	11/07/24	
			TCLP Pesticide	8081B		11/06/24	11/07/24	
P4660-06	**WC-WOOD-01-C**	**SOIL**			**10/31/24**			**10/31/24**
			PCB	8082A		11/04/24	11/04/24	
P4660-07	**WC-WOOD-01-C**	**TCLP**			**10/31/24**			**10/31/24**
			TCLP Herbicide	8151A		11/06/24	11/07/24	
			TCLP Pesticide	8081B		11/06/24	11/07/24	
P4660-10	**WC-CONCRETE-01-C**	**SOIL**			**10/31/24**			**10/31/24**
			PCB	8082A		11/04/24	11/04/24	
P4660-11	**WC-CONCRETE-01-C**	**TCLP**			**10/31/24**			**10/31/24**
			TCLP Herbicide	8151A		11/06/24	11/07/24	
			TCLP Pesticide	8081B		11/06/24	11/07/24	

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

Hit Summary Sheet
SW-846

SDG No.: P4660 **Order ID:** P4660

Client: ENTACT **Project ID:** 540 Degraw St, Brooklyn, NY - E9309

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

QC SUMMARY

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

Surrogate Summary

SDG No.: P4660

Client: ENTACT

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL092652.D	PIBLK-PL092652.D	Decachlorobiphenyl	1	20	22.7	114		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.6	108		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.7	109		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.4	102		30 (77)	150 (126)
I.BLK-PL092886.D	PIBLK-PL092886.D	Decachlorobiphenyl	1	20	20.5	103		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.4	102		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	19.2	96		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.5	98		30 (77)	150 (126)
P4660-03	WC-TA2-01-C	Decachlorobiphenyl	1	20	19.6	98		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.3	107		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	19.0	95		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.0	100		30 (77)	150 (126)
P4660-07	WC-WOOD-01-C	Decachlorobiphenyl	1	20	17.3	86		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	13.3	66		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	12.6	63		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.9	104		30 (77)	150 (126)
P4660-11	WC-CONCRETE-01-C	Decachlorobiphenyl	1	20	10.5	52		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	17.5	88		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	9.99	50		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.9	90		30 (77)	150 (126)
PB164753BL	PB164753BL	Decachlorobiphenyl	1	20	22.2	111		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.0	105		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.0	110		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.4	102		30 (77)	150 (126)
PB164560TB	PB164560TB	Decachlorobiphenyl	1	20	22.8	114		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.6	103		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.5	113		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.8	99		30 (77)	150 (126)
I.BLK-PL092903.D	PIBLK-PL092903.D	Decachlorobiphenyl	1	20	18.5	92		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.5	103		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	17.0	85		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.4	97		30 (77)	150 (126)
I.BLK-PL092918.D	PIBLK-PL092918.D	Decachlorobiphenyl	1	20	21.8	109		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.6	108		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.5	108		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.9	105		30 (77)	150 (126)
PB164753BS	PB164753BS	Decachlorobiphenyl	1	20	20.2	101		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.8	94		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.1	100		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.9	90		30 (77)	150 (126)
I.BLK-PL092938.D	PIBLK-PL092938.D	Decachlorobiphenyl	1	20	20.4	102		30 (43)	150 (140)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: P4660

Client: ENTACT

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL092938.D	PIBLK-PL092938.D	Tetrachloro-m-xylene	1	20	22.2	111		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	19.4	97		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	22.1	111		30 (77)	150 (126)
I.BLK-PL092941.D	PIBLK-PL092941.D	Decachlorobiphenyl	1	20	20.8	104		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	22.3	112		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	19.8	99		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.6	108		30 (77)	150 (126)
P4660-03MS	WC-TA2-01-CMS	Decachlorobiphenyl	1	20	18.7	94		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	23.6	118		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	18.3	92		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.6	98		30 (77)	150 (126)
P4660-03MSD	WC-TA2-01-CMSD	Decachlorobiphenyl	1	20	18.5	93		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	22.9	114		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	18.2	91		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.4	97		30 (77)	150 (126)
I.BLK-PL092959.D	PIBLK-PL092959.D	Decachlorobiphenyl	1	20	22.0	110		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	22.1	110		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.2	111		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.5	107		30 (77)	150 (126)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: 8081B **DataFile :** PL092948.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**WC-TA2-01-CMS**											
P4660-03MS	gamma-BHC (Lindane)	5	0	4.70	ug/L	94				30 (60)	150 (152)	
	Heptachlor	5	0	5.20	ug/L	104				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	5.30	ug/L	106				30 (77)	150 (143)	
	Endrin	5	0	5.60	ug/L	112				30 (76)	150 (144)	
	Methoxychlor	5	0	5.00	ug/L	100				30 (70)	150 (142)	

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: 8081B **DataFile :** PL092949.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**WC-TA2-01-CMSD**											
P4660-03MSD	gamma-BHC (Lindane)	5	0	4.60	ug/L	92		2		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	5.10	ug/L	102		2		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	5.20	ug/L	104		2		30 (77)	150 (143)	20 (20)
	Endrin	5	0	5.60	ug/L	112		0		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	5.00	ug/L	100		0		30 (70)	150 (142)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: 8081B **Datafile :** PL092921.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164753BS	gamma-BHC (Lindane)	0.5	0.51	ug/L	101				40 (82)	140 (129)	
	Heptachlor	0.5	0.53	ug/L	106				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.53	ug/L	107				40 (81)	140 (124)	
	Endrin	0.5	0.54	ug/L	107				40 (81)	140 (128)	
	Methoxychlor	0.5	0.53	ug/L	105				40 (78)	140 (108)	

( ) = LABORATORY INHOUSE LIMIT

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164753BL

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Lab Sample ID: PB164753BL Lab File ID: PL092894.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 11/06/2024

Date Analyzed (1): 11/07/2024 Date Analyzed (2): 11/07/2024

Time Analyzed (1): 12:44 Time Analyzed (2): 12:44

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
WC-TA2-01-C	P4660-03	PL092889.D	11/07/2024	11/07/2024
WC-WOOD-01-C	P4660-07	PL092890.D	11/07/2024	11/07/2024
WC-CONCRETE-01-C	P4660-11	PL092891.D	11/07/2024	11/07/2024
PB164560TB	PB164560TB	PL092896.D	11/07/2024	11/07/2024
PB164753BS	PB164753BS	PL092921.D	11/08/2024	11/08/2024
WC-TA2-01-CMS	P4660-03MS	PL092948.D	11/11/2024	11/11/2024
WC-TA2-01-CMSD	P4660-03MSD	PL092949.D	11/11/2024	11/11/2024

COMMENTS:

SAMPLE DATA

Raw Data: **PL092889.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	10/30/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-TA2-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-03	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092889.D	1	11/06/24 10:35	11/07/24 11:35	PB164753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.6		30 (43) - 150 (140)	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		30 (77) - 150 (126)	107%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092889.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092889.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 11:35
Operator : AR\AJ
Sample : P4660-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-TA2-01-C

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 11:49:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.778	52279017	54543601	21.336	20.044
28)	SA Decachlor...	9.059	7.918	37797806	51772207	19.640	18.969
	Target Compounds						

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

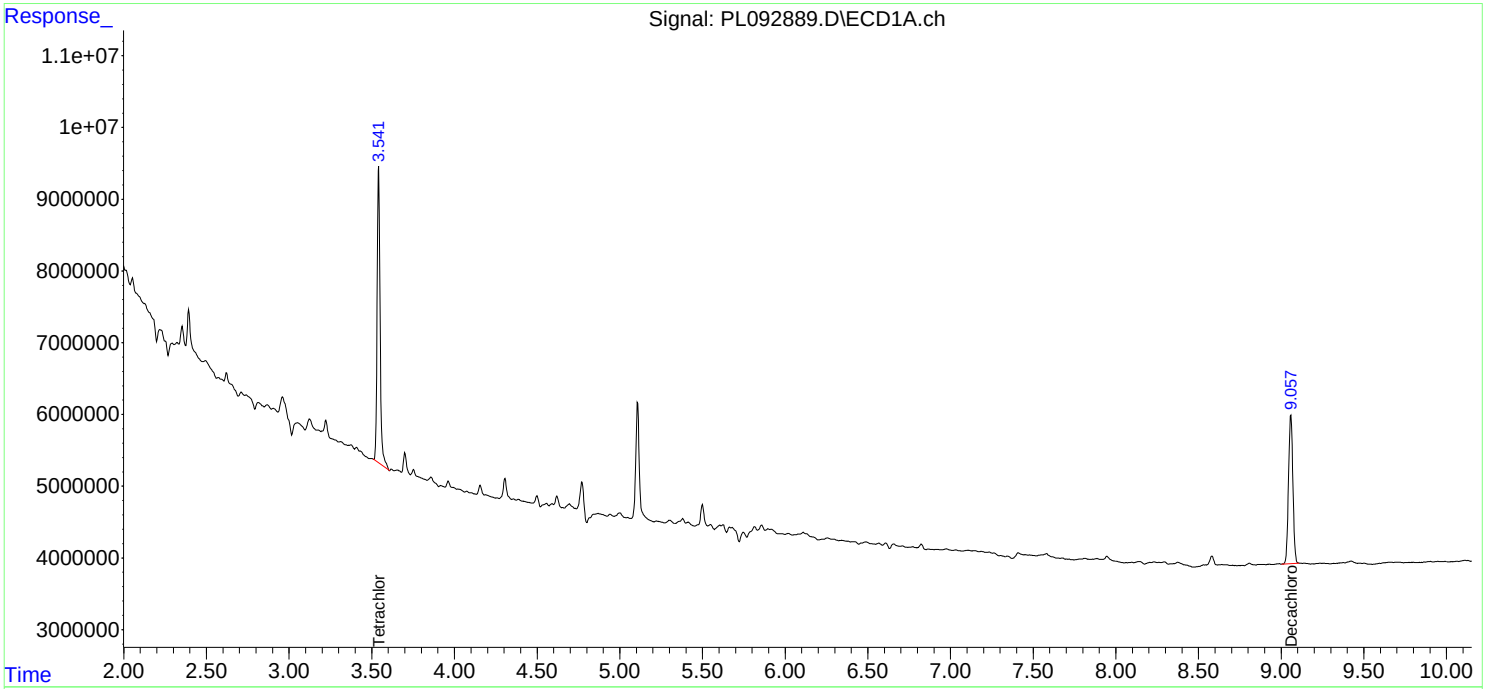
Sample Results: **PL092889.D**

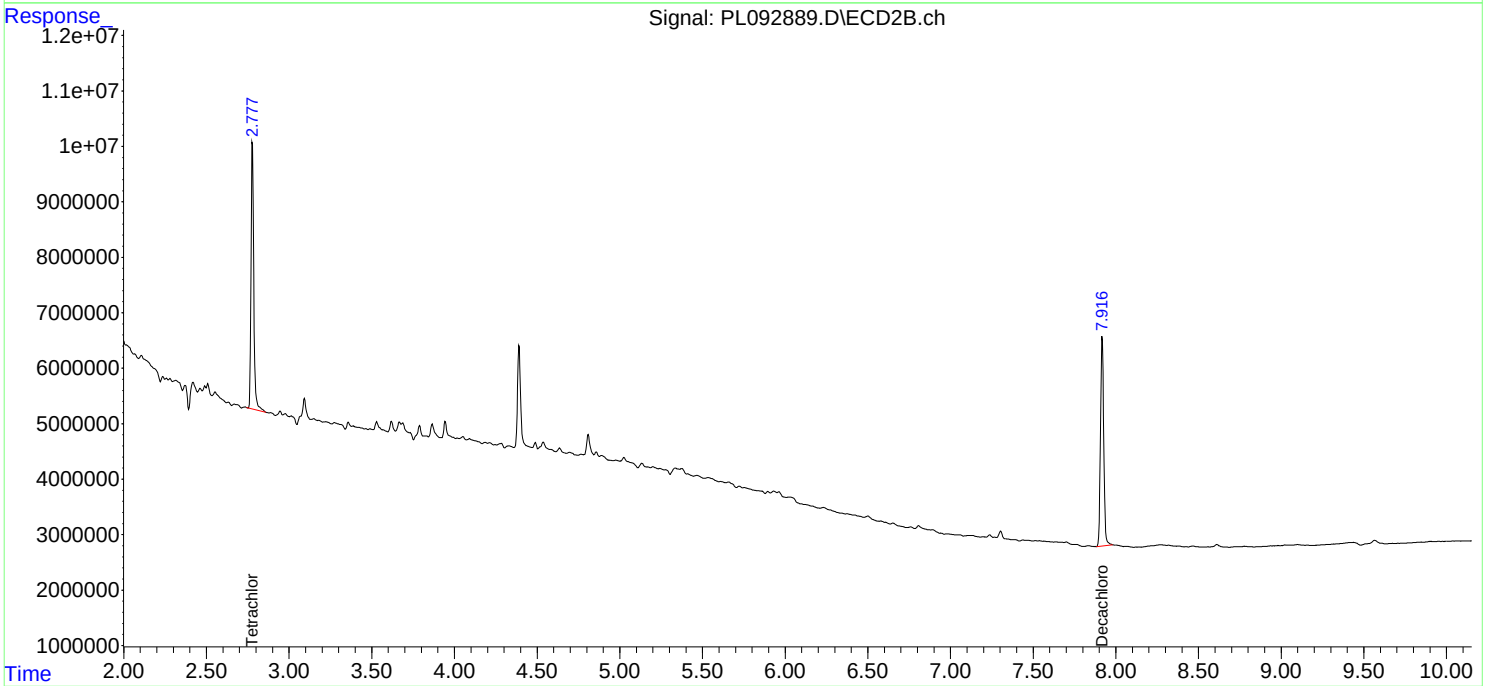
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092889.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 11:35
Operator : AR\AJ
Sample : P4660-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

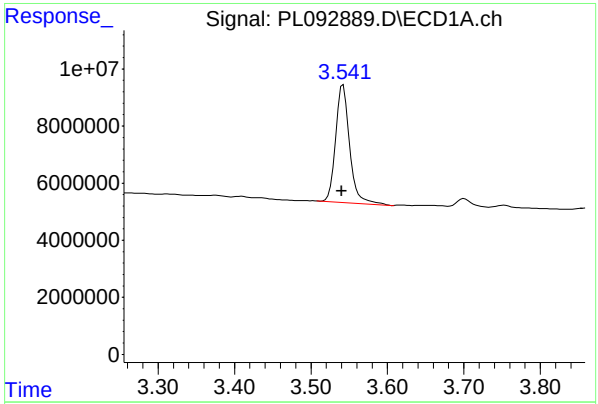
Instrument :
ECD_L
ClientSampleId :
WC-TA2-01-C

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 11:49:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0µm



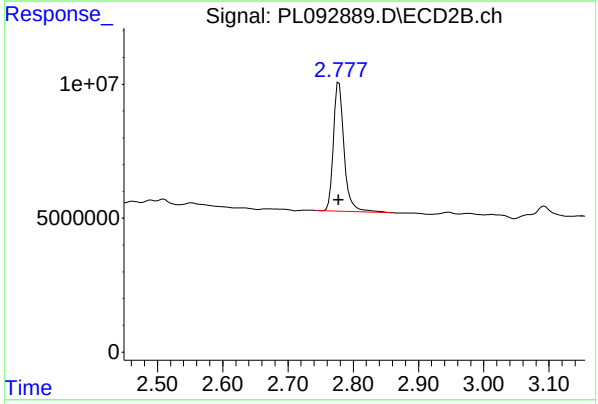




#1 Tetrachloro-m-xylene

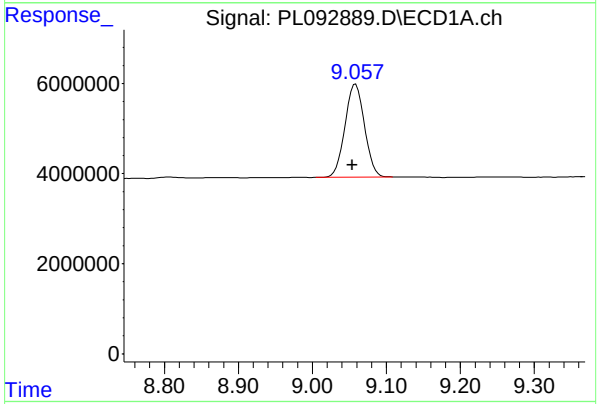
R.T.: 3.542 min
Delta R.T.: 0.002 min
Response: 52279017
Conc: 21.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-TA2-01-C



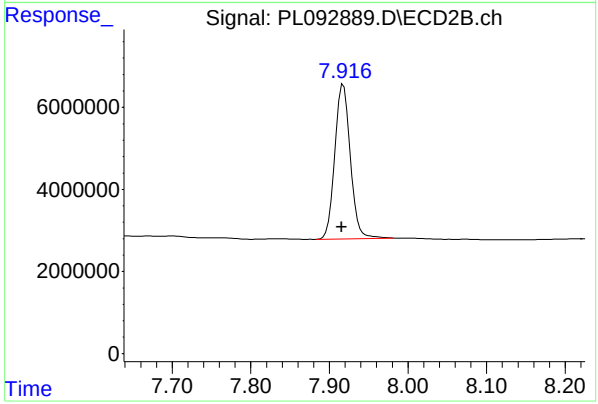
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 54543601
Conc: 20.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.005 min
Response: 37797806
Conc: 19.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.002 min
Response: 51772207
Conc: 18.97 ng/ml

Raw Data: **PL092890.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	10/31/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-WOOD-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-07	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092890.D	1	11/06/24 10:35	11/07/24 11:49	PB164753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.3		30 (43) - 150 (140)	86%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		30 (77) - 150 (126)	104%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092890.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 11:49
Operator : AR\AJ
Sample : P4660-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-WOOD-01-C

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 12:16:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.540	2.777	32466709	56857303	13.250m	20.894m#
28)	SA Decachlor...	9.058	7.916	33219968	34332422	17.261m	12.579m#
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 11:49
Operator : AR\AJ
Sample : P4660-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

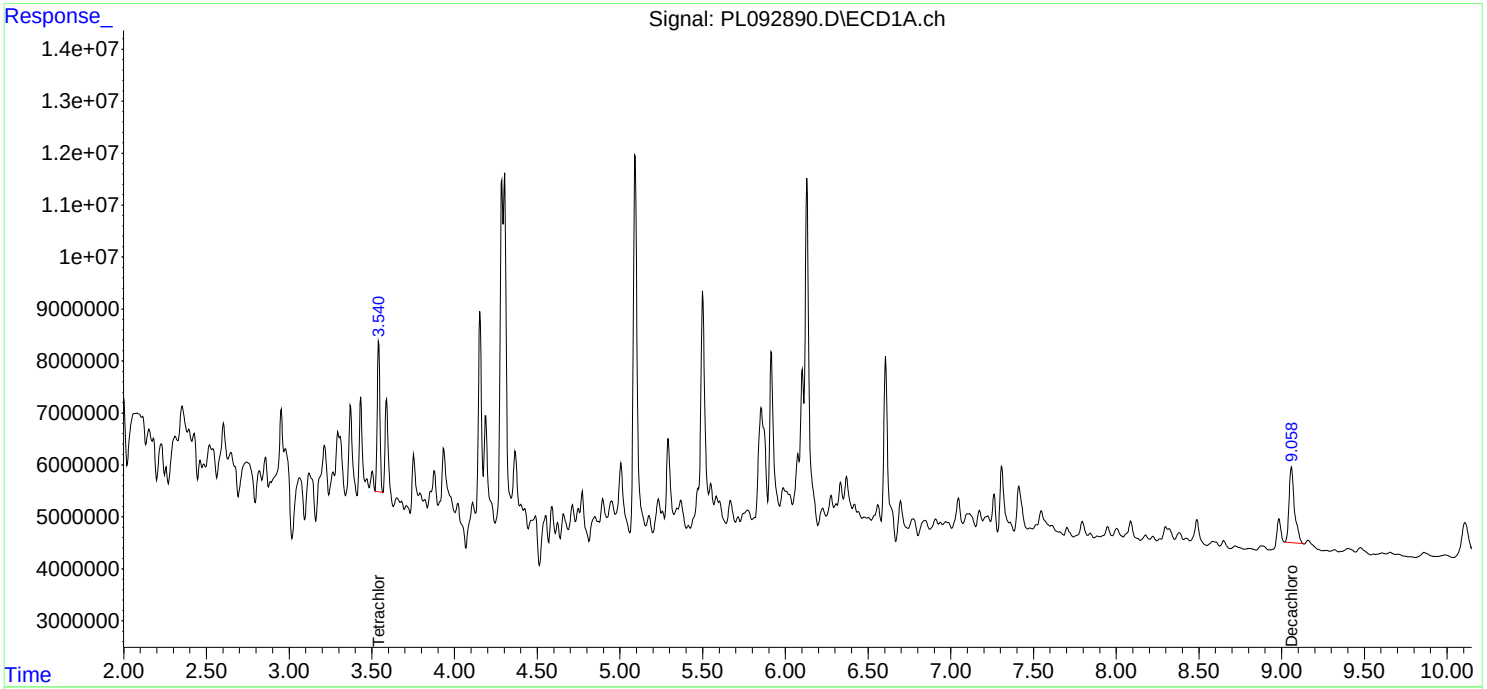
Instrument :
ECD_L
ClientSampleId :
WC-WOOD-01-C

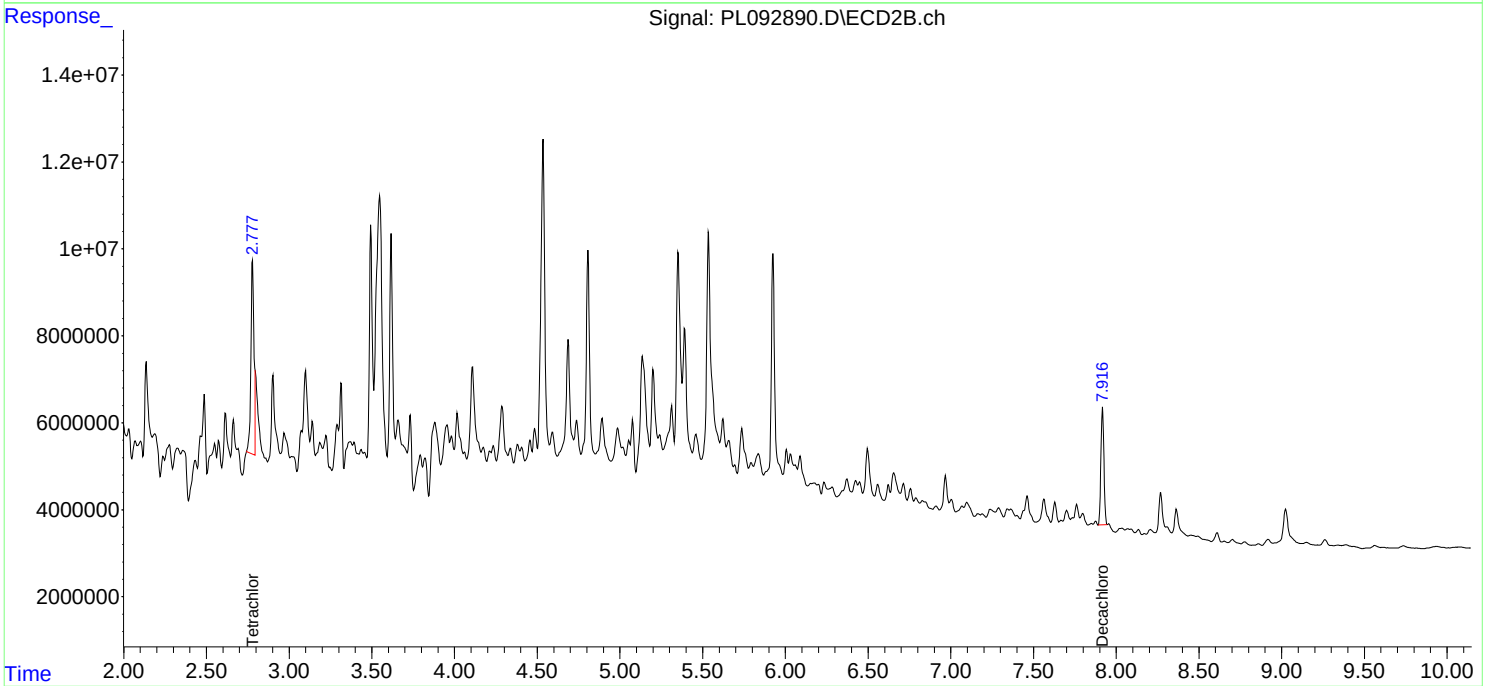
Manual Integrations APPROVED

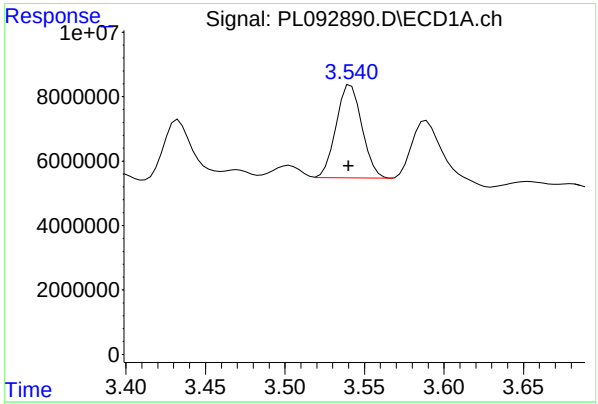
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 12:16:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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







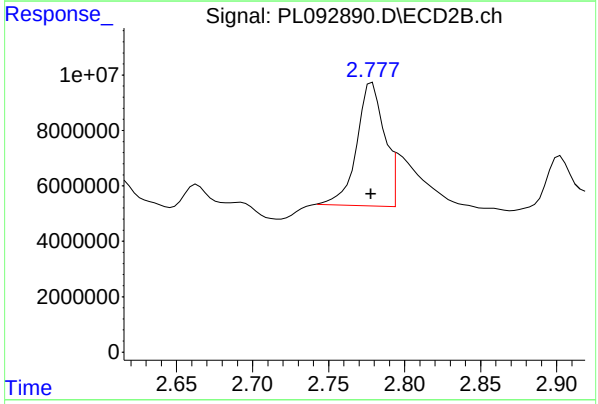
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.000 mi
Response: 32466709
Conc: 13.25 ng/m

Instrument :
ECD_L
ClientSampleId :
WC-WOOD-01-C

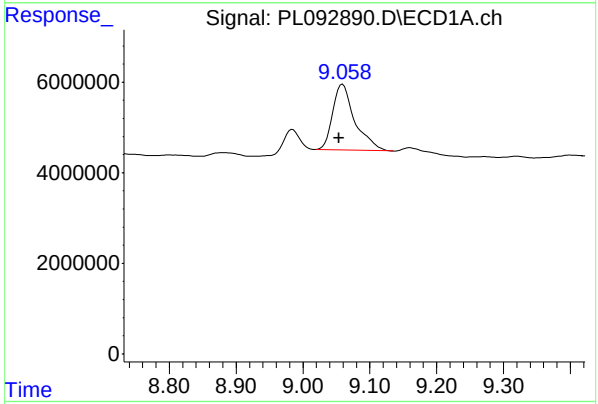
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



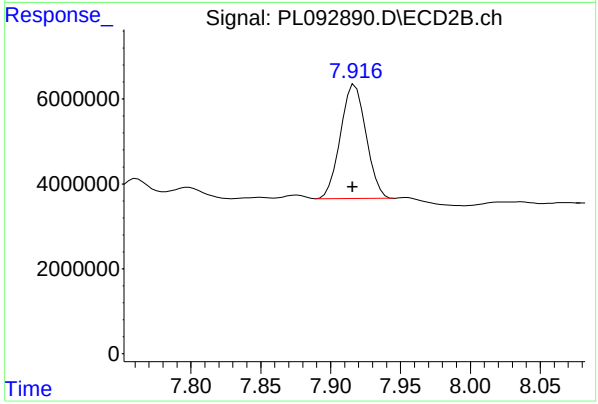
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 56857303
Conc: 20.89 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.004 min
Response: 33219968
Conc: 17.26 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.916 min
Delta R.T.: 0.000 min
Response: 34332422
Conc: 12.58 ng/ml m

Raw Data: **PL092891.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	10/31/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-CONCRETE-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-11	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092891.D	1	11/06/24 10:35	11/07/24 12:03	PB164753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.5		30 (43) - 150 (140)	52%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.9		30 (77) - 150 (126)	90%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092891.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092891.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 12:03
Operator : AR\AJ
Sample : P4660-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-CONCRETE-01-C

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 12:20:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.541	2.778	42976374	48708571	17.540m	17.900
28)	SA Decachlor...	9.058	7.918	20216510	27258494	10.505	9.988
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092891.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 12:03
Operator : AR\AJ
Sample : P4660-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

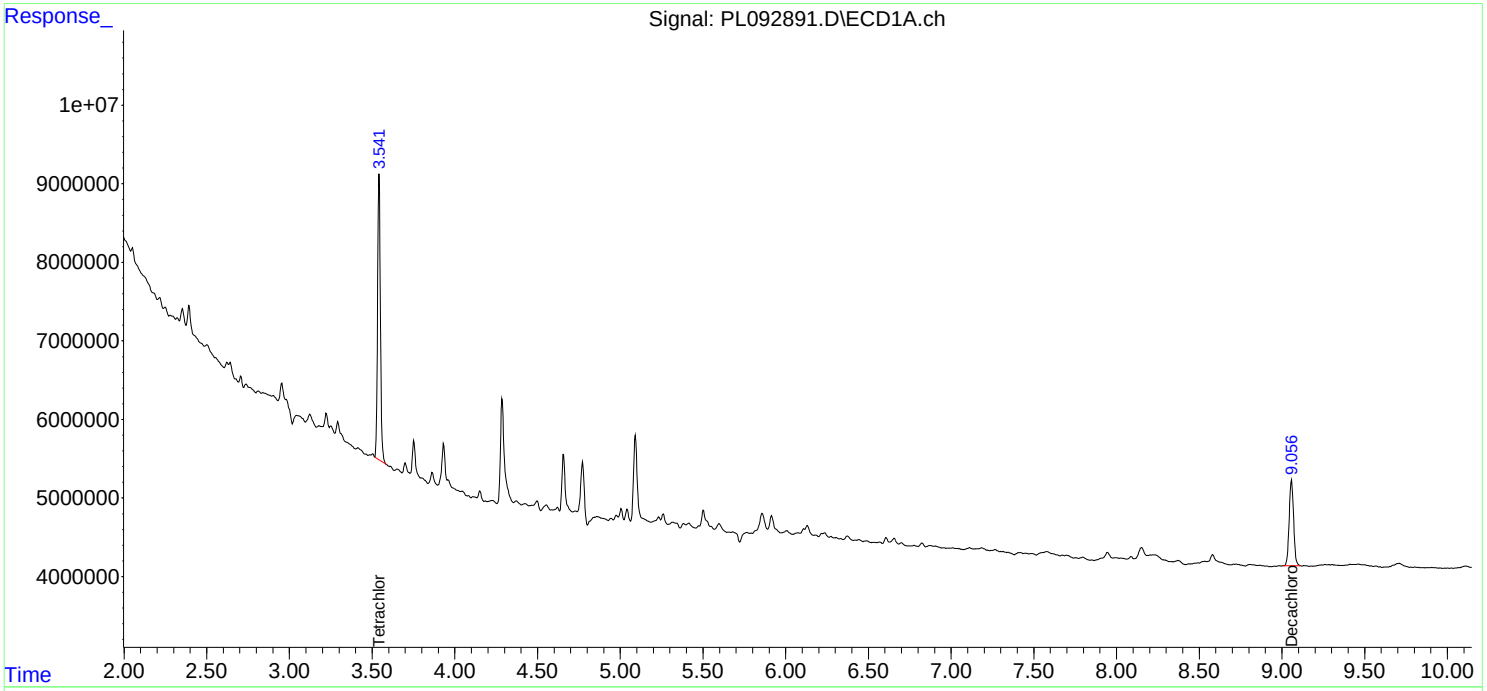
Instrument :
ECD_L
ClientSampleId :
WC-CONCRETE-01-C

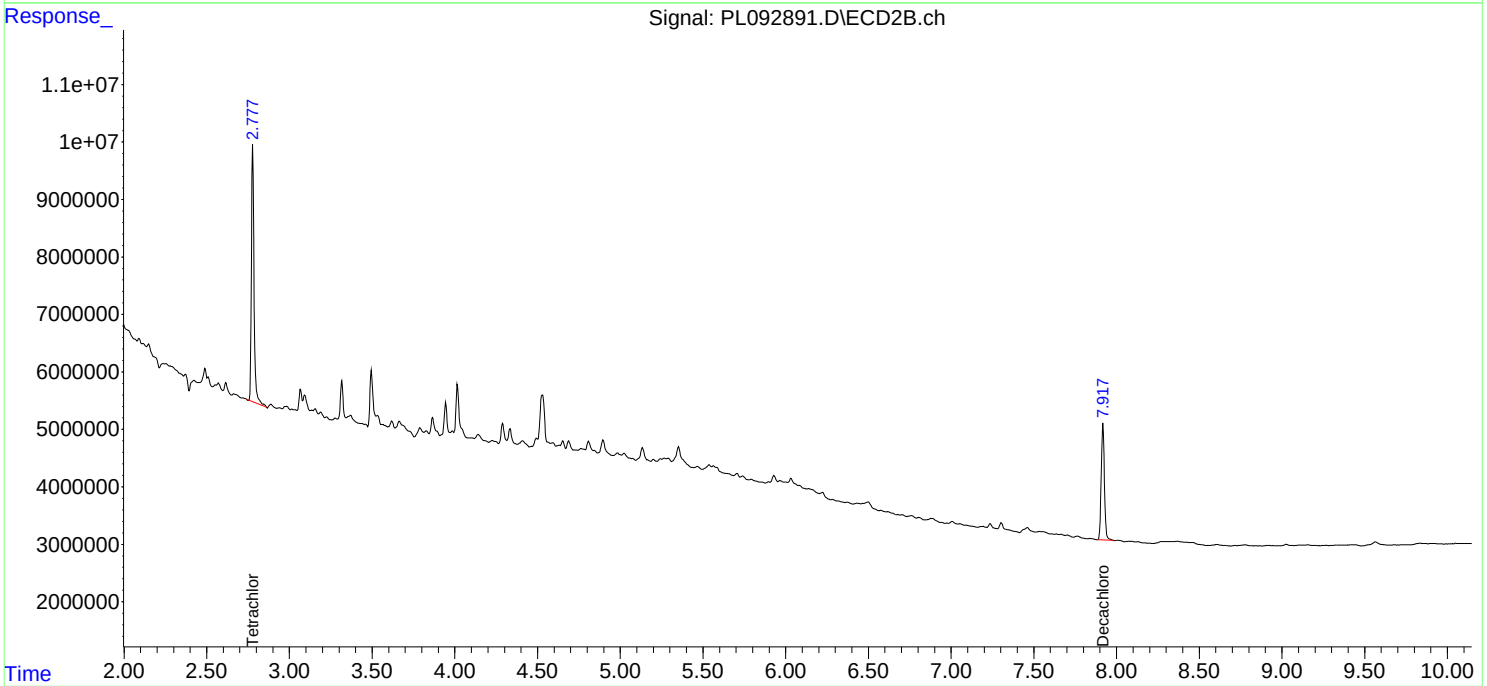
Manual Integrations APPROVED

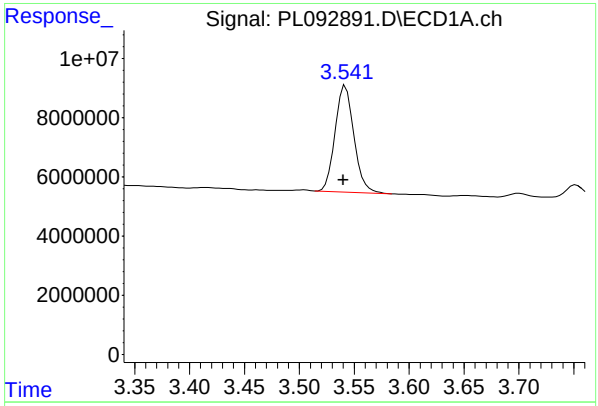
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 12:20:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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







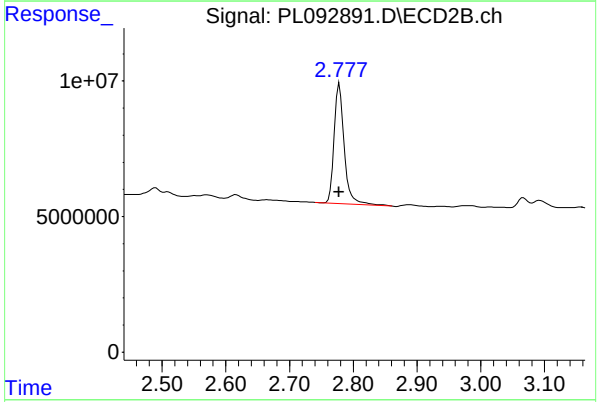
#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: 0.000 min
Response: 42976374
Conc: 17.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-CONCRETE-01-C

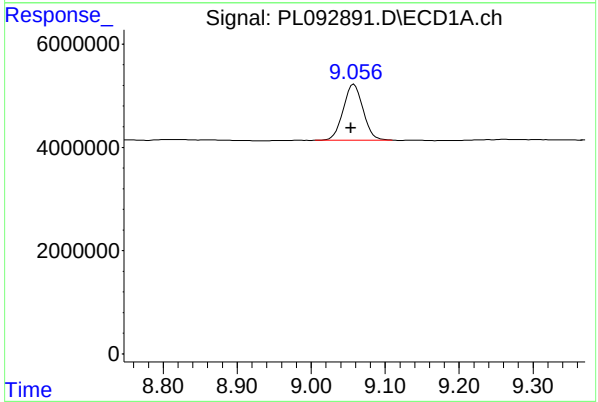
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



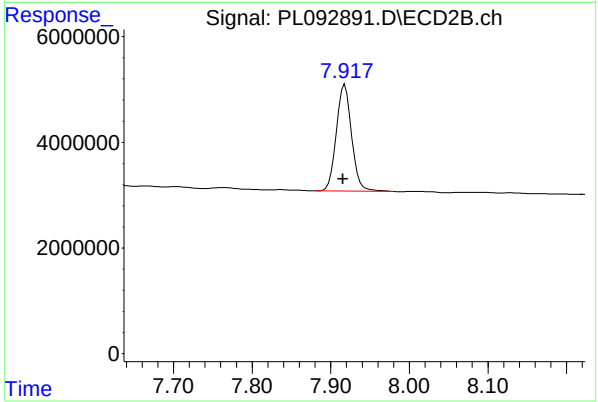
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 48708571
Conc: 17.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.004 min
Response: 20216510
Conc: 10.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.002 min
Response: 27258494
Conc: 9.99 ng/ml

Raw Data: **PL092896.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/06/24
Client Sample ID:	PB164560TB	SDG No.:	P4660
Lab Sample ID:	PB164560TB	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092896.D	1	11/06/24 10:35	11/07/24 13:38	PB164753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.8		30 (43) - 150 (140)	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		30 (77) - 150 (126)	103%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092896.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 13:38
Operator : AR\AJ
Sample : PB164560TB
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164560TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 23:48:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.778	50397984	53824362	20.569	19.780
28)	SA Decachlor...	9.066	7.920	43948010	61482120	22.835	22.527
	Target Compounds						

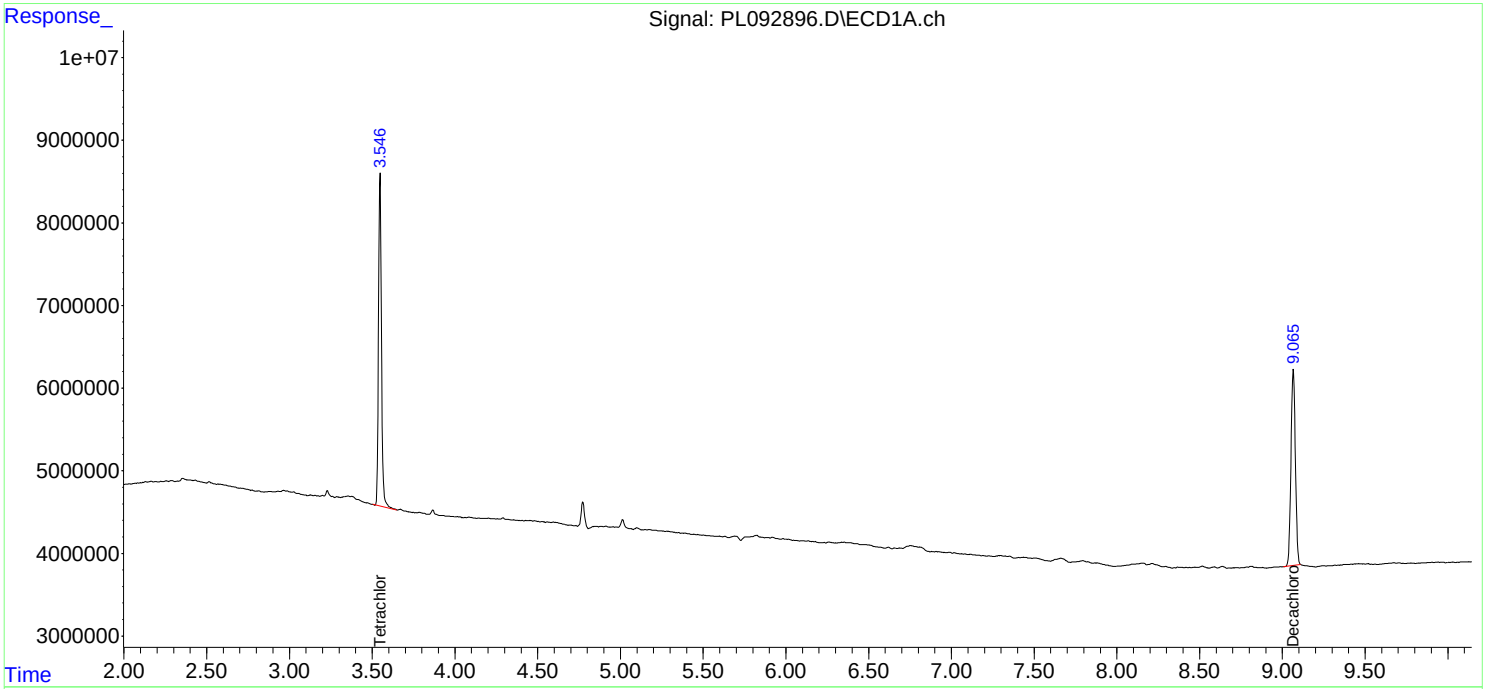
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

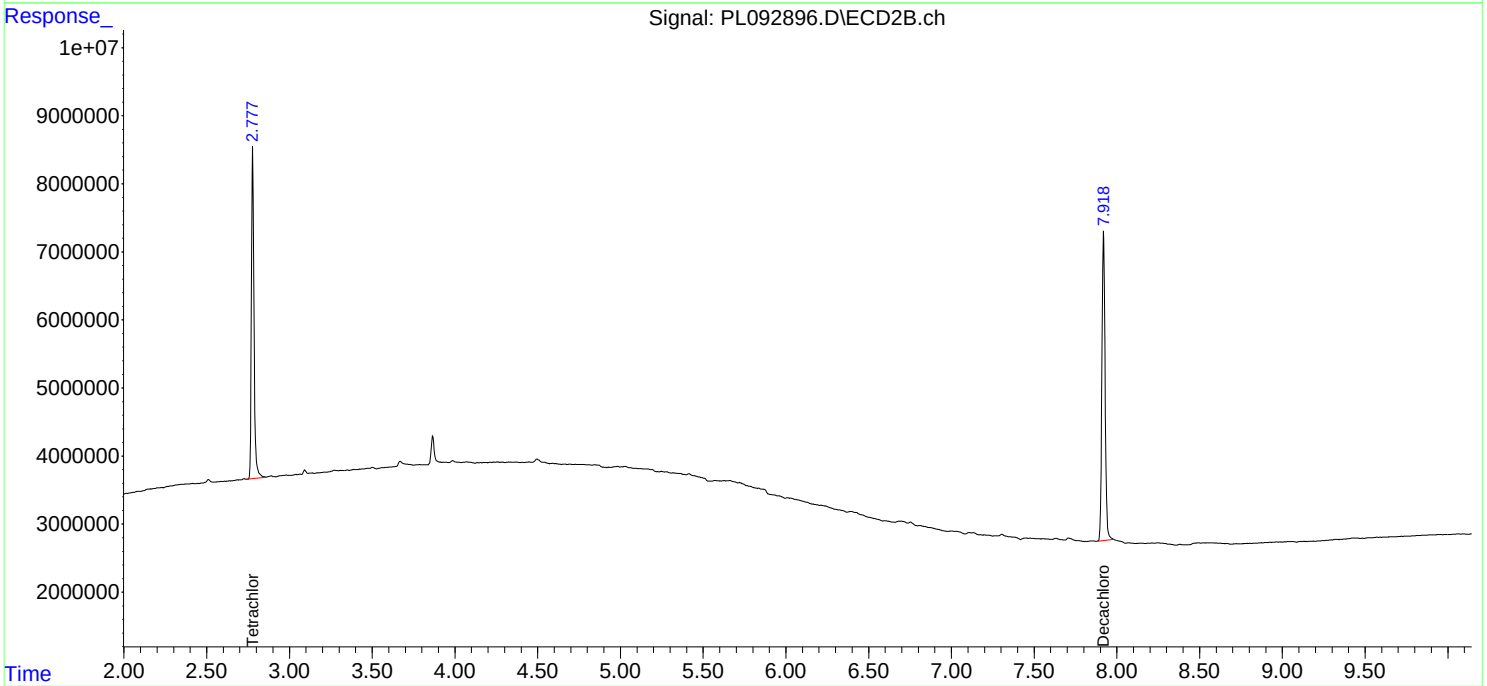
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 13:38
Operator : AR\AJ
Sample : PB164560TB
Misc :
ALS Vial : 12 Sample Multiplier: 1

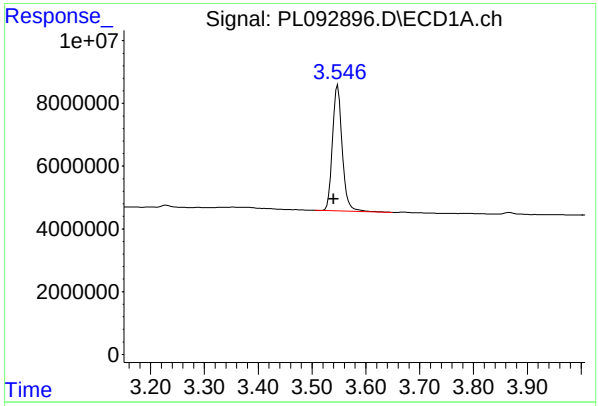
Instrument :
ECD_L
ClientSampleId :
PB164560TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 23:48:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



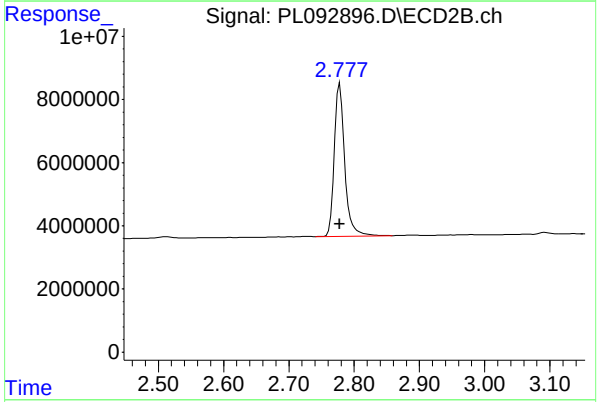




#1 Tetrachloro-m-xylene

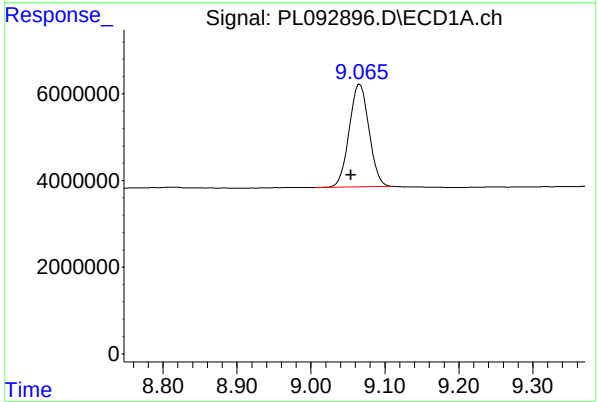
R.T.: 3.548 min
Delta R.T.: 0.008 min
Response: 50397984
Conc: 20.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164560TB



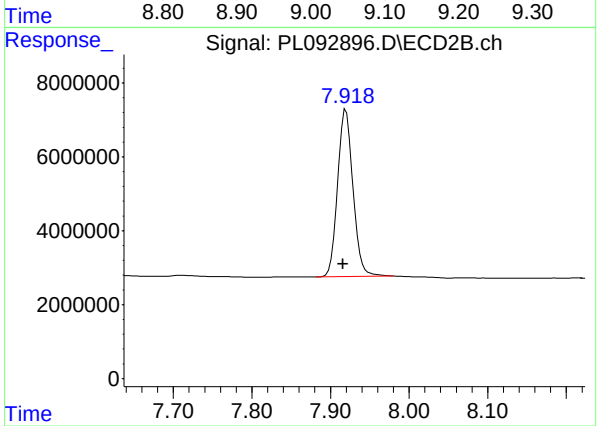
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 53824362
Conc: 19.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.012 min
Response: 43948010
Conc: 22.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.920 min
Delta R.T.: 0.004 min
Response: 61482120
Conc: 22.53 ng/ml

CALIBRATION SUMMARY

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Calibration Times: 14:43 15:36

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

LAB FILE ID: RT 100 = PL092655.D RT 075 = PL092656.D

RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
Endrin	6.58	6.58	6.57	6.57	6.57	6.57	6.47	6.67
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.68	5.69	5.68	5.68	5.58	5.78
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Calibration Times: 14:43 15:36

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

LAB FILE ID: RT 100 = PL092655.D RT 075 = PL092656.D

RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
Heptachlor	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Heptachlor epoxide	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Methoxychlor	6.61	6.62	6.62	6.62	6.61	6.61	6.51	6.71
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

Instrument ID: ECD_L

Calibration Date(s): 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: **CF 100 =** PL092655.D **CF 075 =** PL092656.D

CF 050 = PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	1738840000	1756630000	1819720000	1998760000	2308800000	1924550000	12
Endrin	2111540000	2103000000	2121260000	2324460000	2723040000	2276660000	12
gamma-BHC (Lindane)	3198960000	3133030000	3104430000	3278360000	3583040000	3259560000	6
Heptachlor	2817300000	2795570000	2829220000	3064000000	3509480000	3003110000	10
Heptachlor epoxide	2536240000	2521530000	2566410000	2821600000	3361270000	2761410000	13
Methoxychlor	1040530000	1050870000	1078280000	1189160000	1341160000	1140000000	11
Tetrachloro-m-xylene	2319350000	2304070000	2328420000	2512350000	2786990000	2450240000	8

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

Instrument ID: ECD_L

Calibration Date(s): 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: **CF 100 =** PL092655.D **CF 075 =** PL092656.D

CF 050 = PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2606810000	2575500000	2605540000	2793460000	3064890000	2729240000	8
Endrin	2969490000	2878380000	2828080000	2876210000	2912860000	2893010000	2
gamma-BHC (Lindane)	4083950000	3934430000	3833920000	3828430000	3616530000	3859450000	4
Heptachlor	3876200000	3766580000	3709120000	3779090000	3738650000	3773930000	2
Heptachlor epoxide	3405420000	3318630000	3272090000	3352830000	3358060000	3341410000	1
Methoxychlor	1400820000	1385450000	1393920000	1470360000	1489590000	1428030000	3
Tetrachloro-m-xylene	2724750000	2661560000	2643180000	2728430000	2847900000	2721160000	3

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	4.70	4.60	4.80	106996000
		2	5.23	5.13	5.33	110397000
		3	5.94	5.84	6.04	372388000
		4	6.02	5.92	6.12	458405000
		5	6.87	6.77	6.97	92161100
Toxaphene	500	1	6.24	6.14	6.34	23962400
		2	6.44	6.34	6.54	13823600
		3	7.06	6.96	7.16	79159800
		4	7.15	7.05	7.25	59803700
		5	7.93	7.83	8.03	45329200

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	3.78	3.68	3.88	105092000
		2	4.35	4.25	4.45	120641000
		3	4.98	4.88	5.08	361048000
		4	5.05	4.95	5.15	346821000
		5	5.94	5.84	6.04	124060000
Toxaphene	500	1	5.01	4.91	5.11	19952700
		2	5.33	5.23	5.43	19749600
		3	6.61	6.51	6.71	70222500
		4	6.73	6.63	6.83	98337700
		5	7.05	6.95	7.15	65479700

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092655.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:43
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:08:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.540	2.778	231.9E6	272.5E6	99.805	101.520
28)	SA	Decachlor...	9.054	7.915	173.9E6	260.7E6	97.727	100.024
		Target Compounds						
2)	A	alpha-BHC	3.996	3.281	335.7E6	428.2E6	101.915	103.738
3)	MA	gamma-BHC...	4.328	3.611	319.9E6	408.4E6	101.500	103.158
4)	MA	Heptachlor	4.917	3.950	281.7E6	387.6E6	99.789	102.203
5)	MB	Aldrin	5.258	4.230	284.7E6	384.1E6	100.711	102.971
6)	B	beta-BHC	4.525	3.910	134.3E6	162.5E6	99.068	101.057
7)	B	delta-BHC	4.773	4.139	306.8E6	408.8E6	101.972	103.616
8)	B	Heptachlo...	5.685	4.732	253.6E6	340.5E6	99.409	101.997
9)	A	Endosulfan I	6.070	5.102	232.1E6	311.1E6	99.407	101.931
10)	B	gamma-Chl...	5.940	4.982	249.7E6	347.0E6	100.095	102.605
11)	B	alpha-Chl...	6.019	5.046	248.7E6	340.9E6	99.933	102.323
12)	B	4,4'-DDE	6.193	5.235	225.4E6	333.5E6	100.536	102.774
13)	MA	Dieldrin	6.345	5.366	248.7E6	348.3E6	100.220	102.853
14)	MA	Endrin	6.575	5.641	211.2E6	296.9E6	99.771	102.439
15)	B	Endosulfa...	6.794	5.936	216.0E6	288.2E6	98.961	101.794
16)	A	4,4'-DDD	6.710	5.789	181.0E6	261.5E6	99.788	103.390
17)	MA	4,4'-DDT	7.024	6.039	194.9E6	279.7E6	100.211	102.948
18)	B	Endrin al...	6.924	6.115	171.2E6	227.4E6	98.679	100.967
19)	B	Endosulfa...	7.158	6.338	197.4E6	270.8E6	98.735	101.573
20)	A	Methoxychlor	7.500	6.614	104.1E6	140.1E6	98.219	100.247
21)	B	Endrin ke...	7.643	6.843	225.4E6	309.0E6	99.557	101.257
22)		Mirex	8.117	7.024	176.1E6	246.6E6	97.640	99.464

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

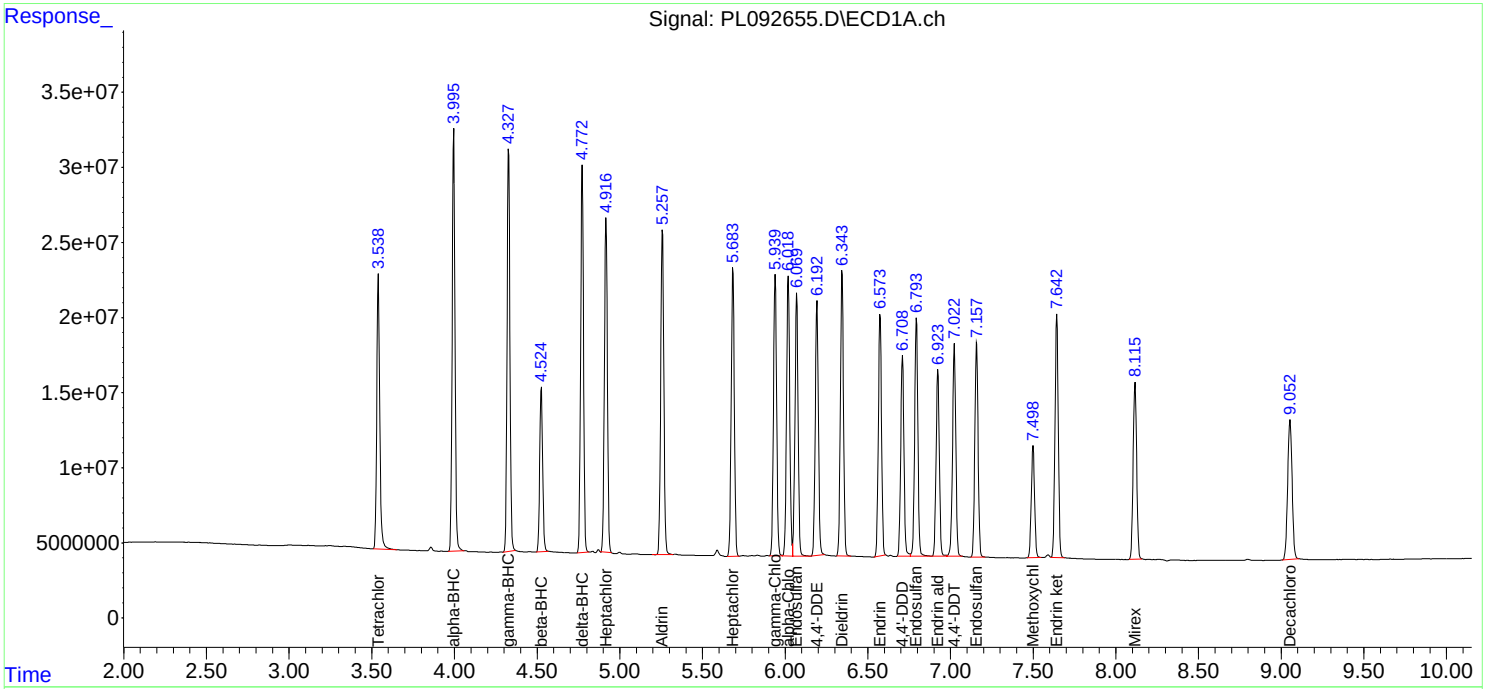
ICAL Form

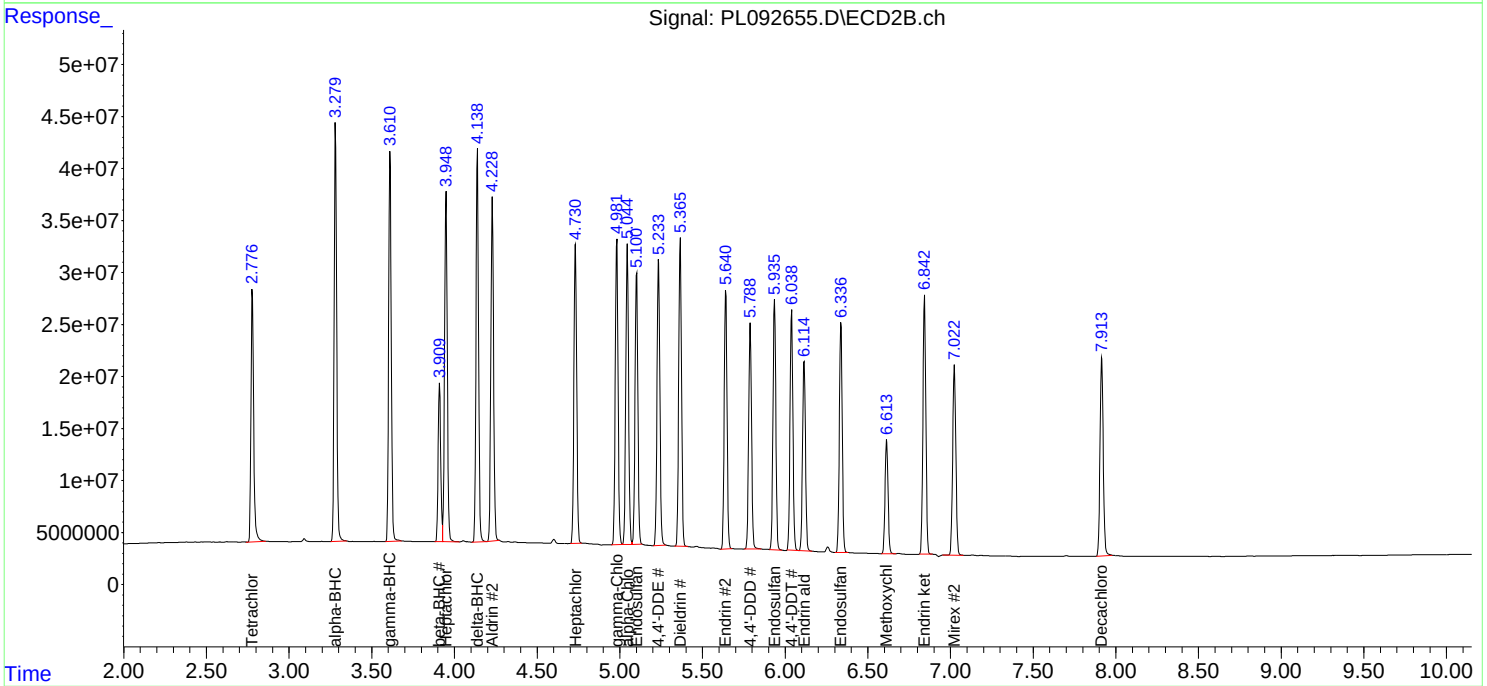
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092655.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:43
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:08:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092656.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:56
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:11:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.540	2.778	172.8E6	199.6E6	74.573	74.581
28)	SA	Decachlor...	9.054	7.916	131.7E6	193.2E6	74.361	74.409
		Target Compounds						
2)	A	alpha-BHC	3.996	3.281	245.4E6	306.7E6	74.672	74.526
3)	MA	gamma-BHC...	4.328	3.611	235.0E6	295.1E6	74.703	74.690
4)	MA	Heptachlor	4.917	3.950	209.7E6	282.5E6	74.508	74.655
5)	MB	Aldrin	5.259	4.230	210.2E6	277.9E6	74.567	74.665
6)	B	beta-BHC	4.526	3.911	100.4E6	119.6E6	74.376	74.585
7)	B	delta-BHC	4.773	4.140	223.5E6	294.4E6	74.528	74.738
8)	B	Heptachlo...	5.685	4.733	189.1E6	248.9E6	74.414	74.698
9)	A	Endosulfan I	6.070	5.103	173.5E6	227.5E6	74.558	74.676
10)	B	gamma-Chl...	5.941	4.982	185.8E6	251.7E6	74.671	74.608
11)	B	alpha-Chl...	6.019	5.047	185.2E6	247.8E6	74.613	74.571
12)	B	4,4'-DDE	6.193	5.235	167.0E6	241.9E6	74.650	74.705
13)	MA	Dieldrin	6.345	5.366	184.3E6	252.3E6	74.504	74.669
14)	MA	Endrin	6.575	5.642	157.7E6	215.9E6	74.683	74.647
15)	B	Endosulfa...	6.794	5.937	162.1E6	211.0E6	74.503	74.700
16)	A	4,4'-DDD	6.710	5.790	135.1E6	188.0E6	74.665	74.546
17)	MA	4,4'-DDT	7.024	6.040	145.0E6	203.5E6	74.705	74.920
18)	B	Endrin al...	6.924	6.116	128.9E6	168.3E6	74.510	74.830
19)	B	Endosulfa...	7.159	6.339	148.5E6	198.5E6	74.498	74.635
20)	A	Methoxychlor	7.500	6.615	78815004	103.9E6	74.596	74.572
21)	B	Endrin ke...	7.643	6.844	168.5E6	226.7E6	74.619	74.533
22)		Mirex	8.117	7.024	133.9E6	183.5E6	74.491	74.331

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

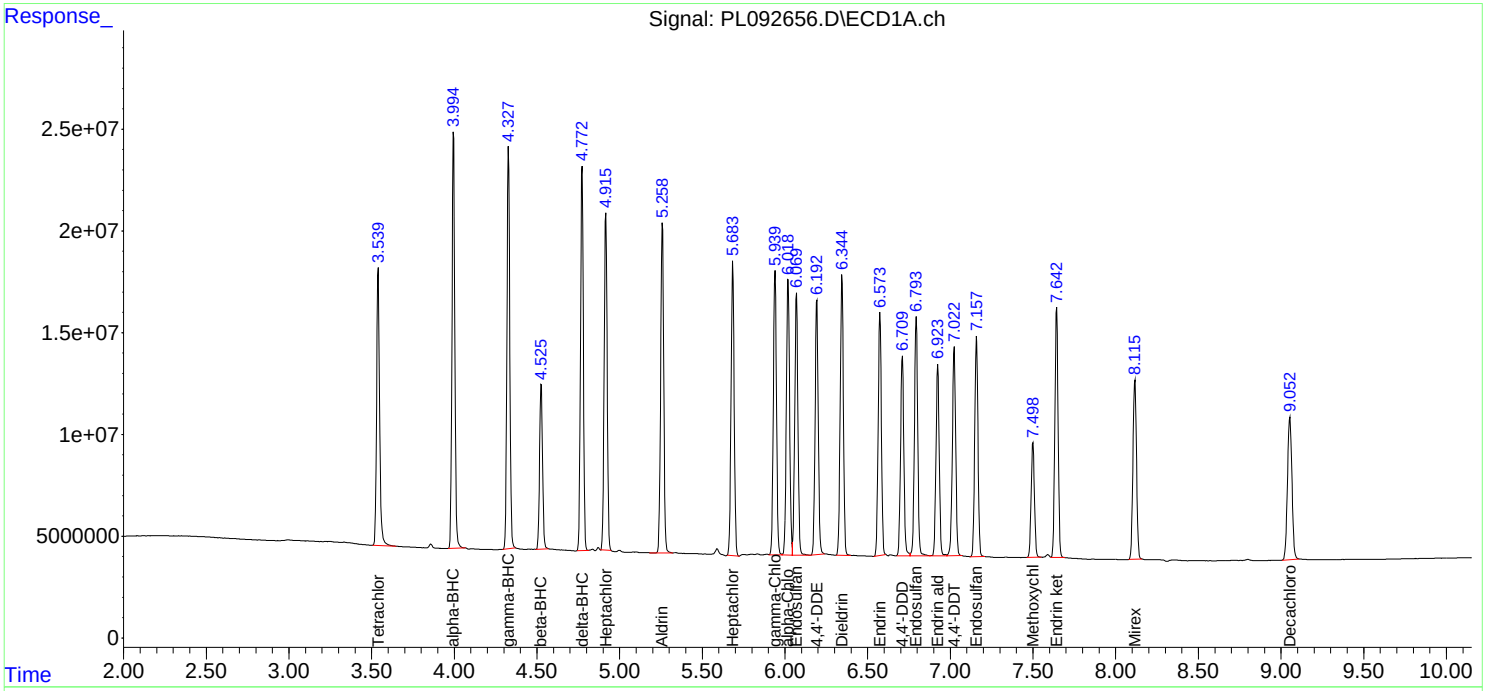
ICAL Form

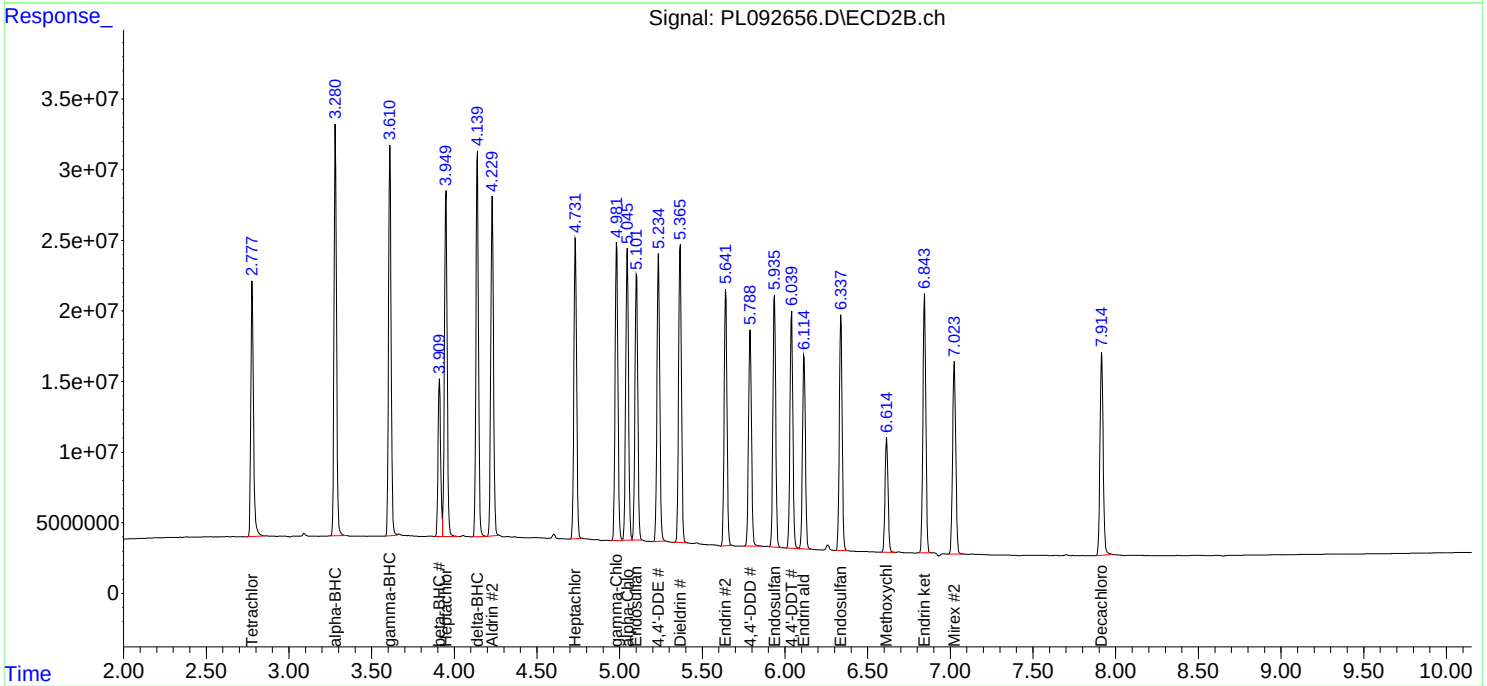
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092656.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:56
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:11:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:09
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:06:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.540	2.778	116.4E6	132.2E6	50.000	50.000
28)	SA	Decachlor...	9.054	7.916	90985898	130.3E6	50.000	50.000
		Target Compounds						
2)	A	alpha-BHC	3.996	3.281	161.5E6	198.7E6	50.000	50.000
3)	MA	gamma-BHC...	4.328	3.611	155.2E6	191.7E6	50.000	50.000
4)	MA	Heptachlor	4.917	3.949	141.5E6	185.5E6	50.000	50.000
5)	MB	Aldrin	5.258	4.229	140.4E6	181.0E6	50.000	50.000
6)	B	beta-BHC	4.525	3.910	68426712	79558092	50.000	50.000
7)	B	delta-BHC	4.772	4.139	147.5E6	190.1E6	50.000	50.000
8)	B	Heptachlo...	5.684	4.732	128.3E6	163.6E6	50.000	50.000
9)	A	Endosulfan I	6.070	5.102	117.4E6	149.7E6	50.000	50.000
10)	B	gamma-Chl...	5.941	4.982	124.6E6	164.7E6	50.000	50.000
11)	B	alpha-Chl...	6.019	5.045	124.5E6	162.7E6	50.000	50.000
12)	B	4,4'-DDE	6.193	5.235	111.5E6	157.7E6	50.000	50.000
13)	MA	Dieldrin	6.345	5.366	123.8E6	164.5E6	50.000	50.000
14)	MA	Endrin	6.574	5.641	106.1E6	141.4E6	50.000	50.000
15)	B	Endosulfa...	6.794	5.936	110.3E6	139.0E6	50.000	50.000
16)	A	4,4'-DDD	6.710	5.789	90898841	122.2E6	50.000	50.000
17)	MA	4,4'-DDT	7.023	6.040	97035972	131.9E6	50.000	50.000
18)	B	Endrin al...	6.924	6.115	87908093	111.5E6	50.000	50.000
19)	B	Endosulfa...	7.158	6.338	101.2E6	131.2E6	50.000	50.000
20)	A	Methoxychlor	7.499	6.615	53913903	69696231	50.000	50.000
21)	B	Endrin ke...	7.643	6.843	113.7E6	150.7E6	50.000	50.000
22)		Mirex	8.116	7.024	92300183	124.6E6	50.000	50.000

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

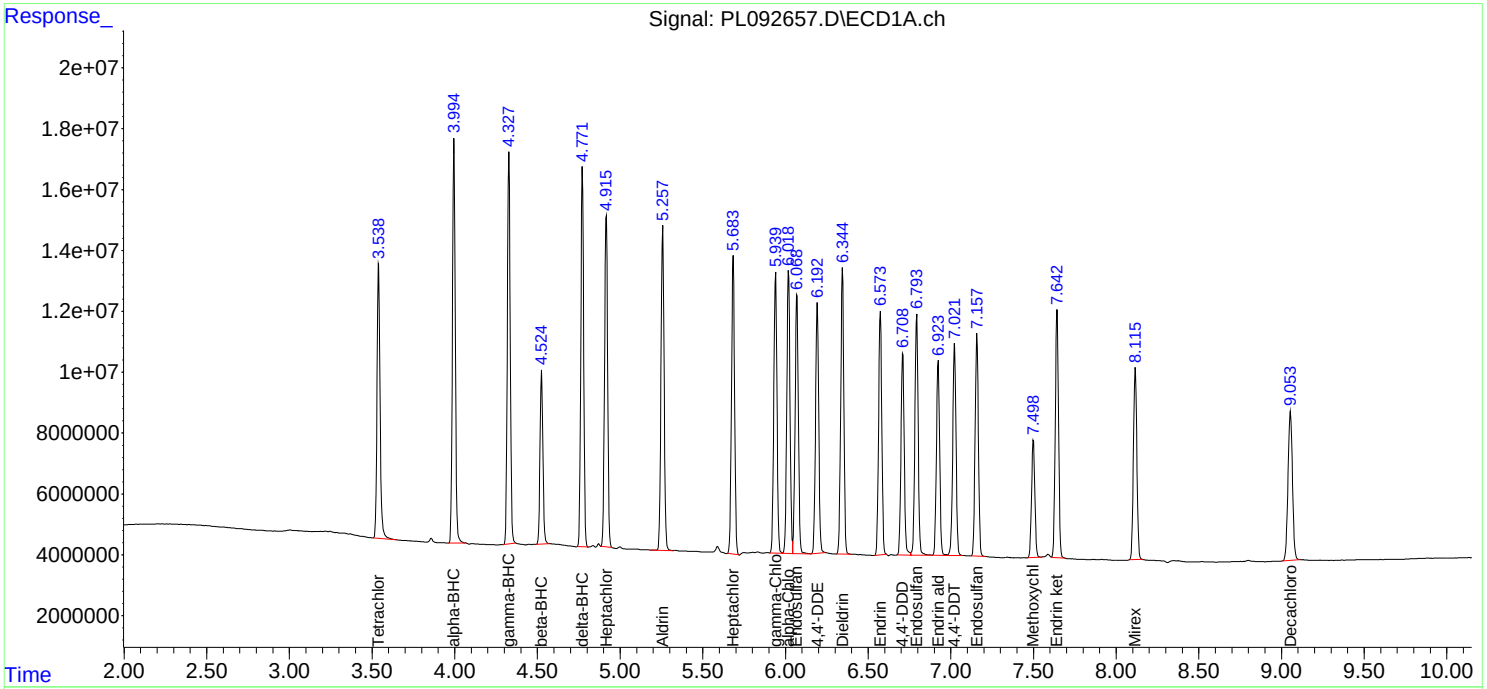
ICAL Form

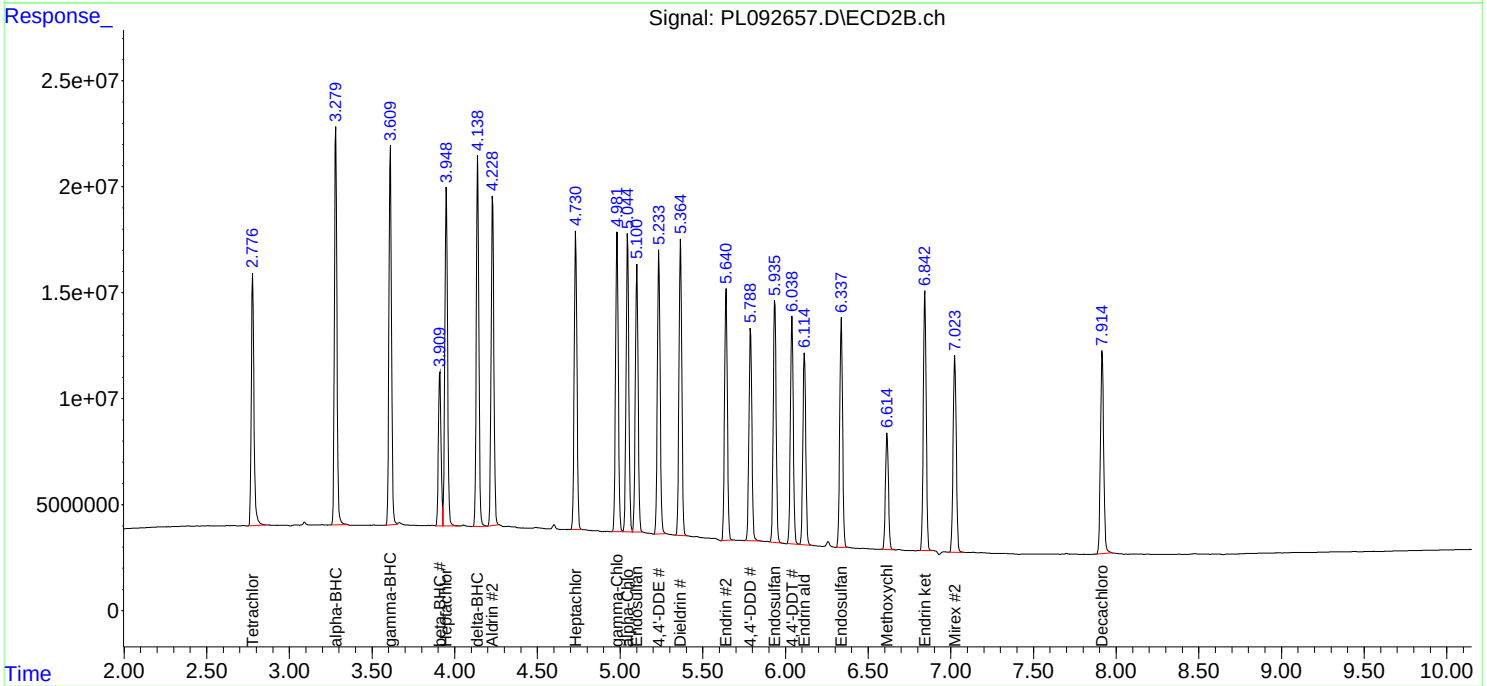
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:09
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:06:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.540	2.778	62808688	68210857	26.546	25.362
28) SA	Decachlor...	9.054	7.916	49968947	69836578	27.328	26.400
	Target Compounds						
2) A	alpha-BHC	3.996	3.281	84927238	98362013	25.627	24.168
3) MA	gamma-BHC...	4.328	3.611	81958950	95710712	25.784	24.415
4) MA	Heptachlor	4.917	3.950	76599935	94477178	26.629	24.976
5) MB	Aldrin	5.259	4.230	76180853	90483526	26.486	24.481
6) B	beta-BHC	4.526	3.911	37295050	41549746	26.915	25.675
7) B	delta-BHC	4.773	4.140	77991786	94555626	25.748	24.249
8) B	Heptachlo...	5.685	4.732	70540111	83820686	27.012	25.117
9) A	Endosulfan I	6.070	5.102	63654358	76808476	26.720	25.162
10) B	gamma-Chl...	5.941	4.982	67586796	83550406	26.583	24.826
11) B	alpha-Chl...	6.019	5.046	67542919	83232660	26.625	25.039
12) B	4,4'-DDE	6.193	5.235	60061765	80248978	26.363	24.834
13) MA	Dieldrin	6.345	5.366	66985225	82586412	26.531	24.577
14) MA	Endrin	6.574	5.642	58111422	71905340	26.841	24.898
15) B	Endosulfa...	6.793	5.937	61248899	71530905	27.295	25.239
16) A	4,4'-DDD	6.710	5.790	49194300	62230288	26.599	24.759
17) MA	4,4'-DDT	7.023	6.040	52836397	66342279	26.630	24.568
18) B	Endrin al...	6.923	6.116	48897872	58336435	27.376	25.694
19) B	Endosulfa...	7.158	6.339	55996056	67808739	27.255	25.373
20) A	Methoxychlor	7.499	6.615	29728906	36759011	27.282	26.022
21) B	Endrin ke...	7.643	6.844	61777342	77430982	26.728	25.339
22)	Mirex	8.116	7.025	51864163	67137696	27.785	26.612

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

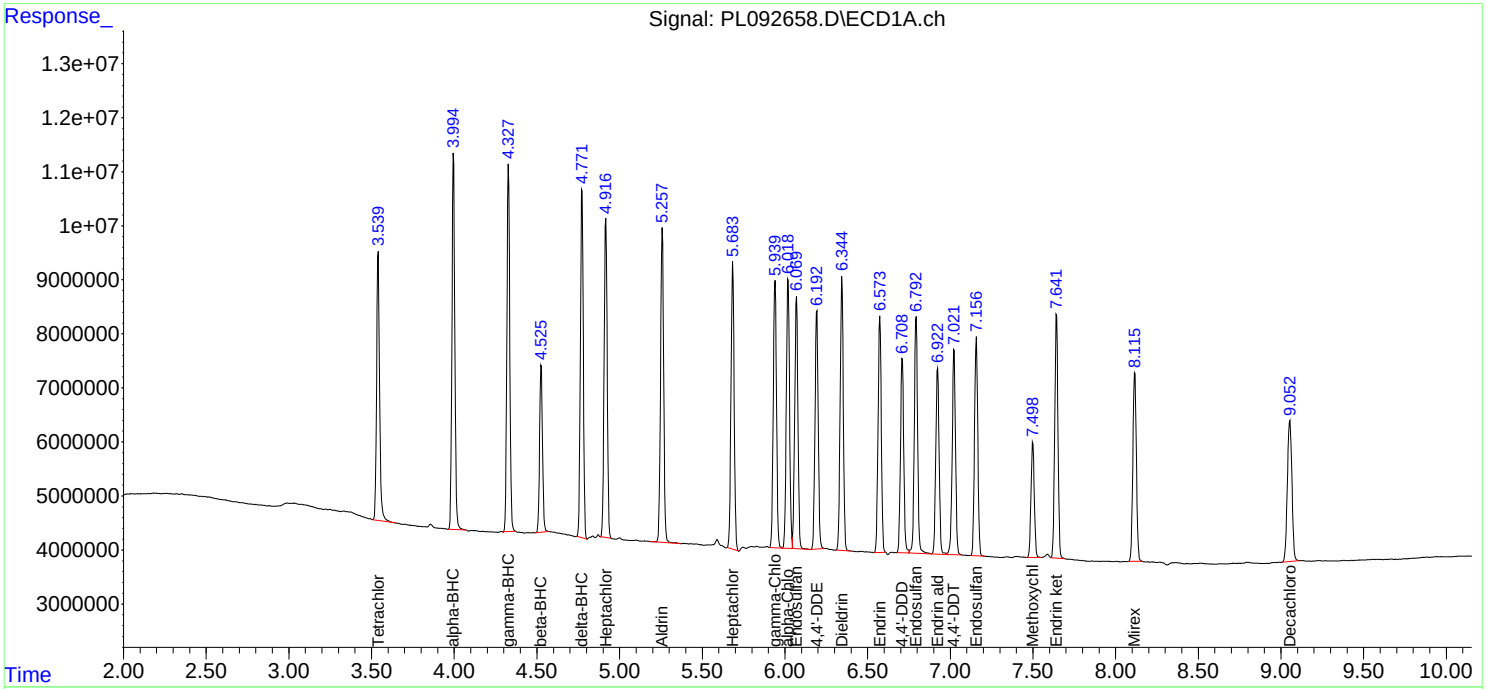
ICAL Form

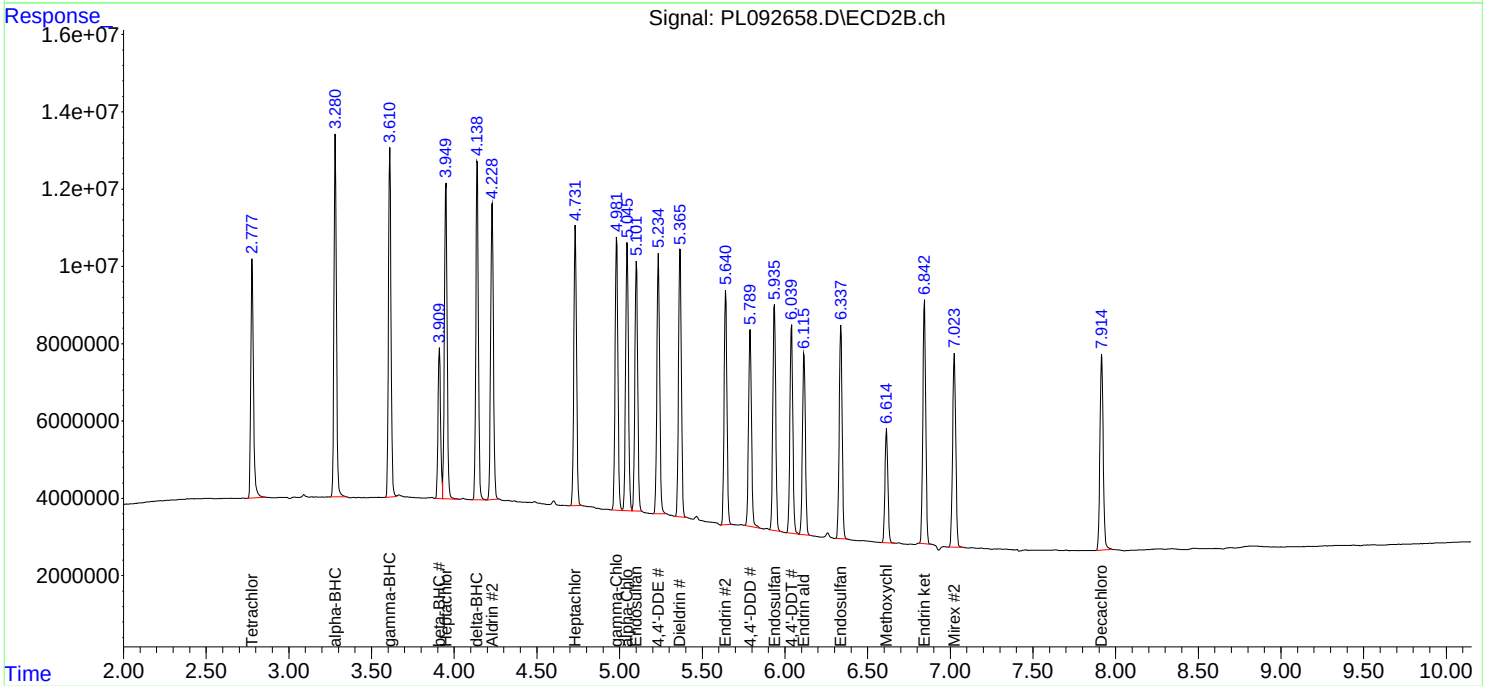
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092658.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:23
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

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

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





Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED

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

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.540	2.778	13934946	14239511	5.687	5.233
28) SA	Decachlor...	9.053	7.915	11544004	15324471	5.998	5.615
	Target Compounds						
2) A	alpha-BHC	3.995	3.280	18509728	18354234	5.458	4.600
3) MA	gamma-BHC...	4.328	3.611	17915176	18082634	5.496	4.685
4) MA	Heptachlor	4.916	3.950	17547418	18693239	5.843	4.953
5) MB	Aldrin	5.258	4.229	17512022	17582981	5.834	4.804
6) B	beta-BHC	4.526	3.910	8423294	8790546	5.827	5.340
7) B	delta-BHC	4.771	4.139	17664985	18090728	5.611m	4.707
8) B	Heptachlo...	5.682	4.732	16806367	16790300	6.074m	5.025
9) A	Endosulfan I	6.069	5.102	14888105	15277635	5.952	5.004
10) B	gamma-Chl...	5.940	4.982	15665588	16732339	5.888	4.977
11) B	alpha-Chl...	6.019	5.046	15466528	16668126	5.841	5.011
12) B	4,4'-DDE	6.192	5.235	13664798	15911321	5.768	4.939
13) MA	Dieldrin	6.344	5.366	15390264	16300991	5.840	4.880
14) MA	Endrin	6.573	5.641	13615222	14564290	5.980	5.034
15) B	Endosulfa...	6.793	5.936	14715849	14149758	6.173	4.994
16) A	4,4'-DDD	6.709	5.789	10998106	11982712	5.730	4.812
17) MA	4,4'-DDT	7.023	6.039	12061270	13048754	5.827	4.865
18) B	Endrin al...	6.923	6.115	11226054	12274278	5.978	5.320
19) B	Endosulfa...	7.157	6.338	13167738	13973088	6.067	5.181
20) A	Methoxychlor	7.499	6.614	6705797	7447941	5.882	5.216
21) B	Endrin ke...	7.643	6.843	14342863	15604260	5.920	5.085
22)	Mirex	8.116	7.024	12209643	14769955	6.161	5.661

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

ICAL Form

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

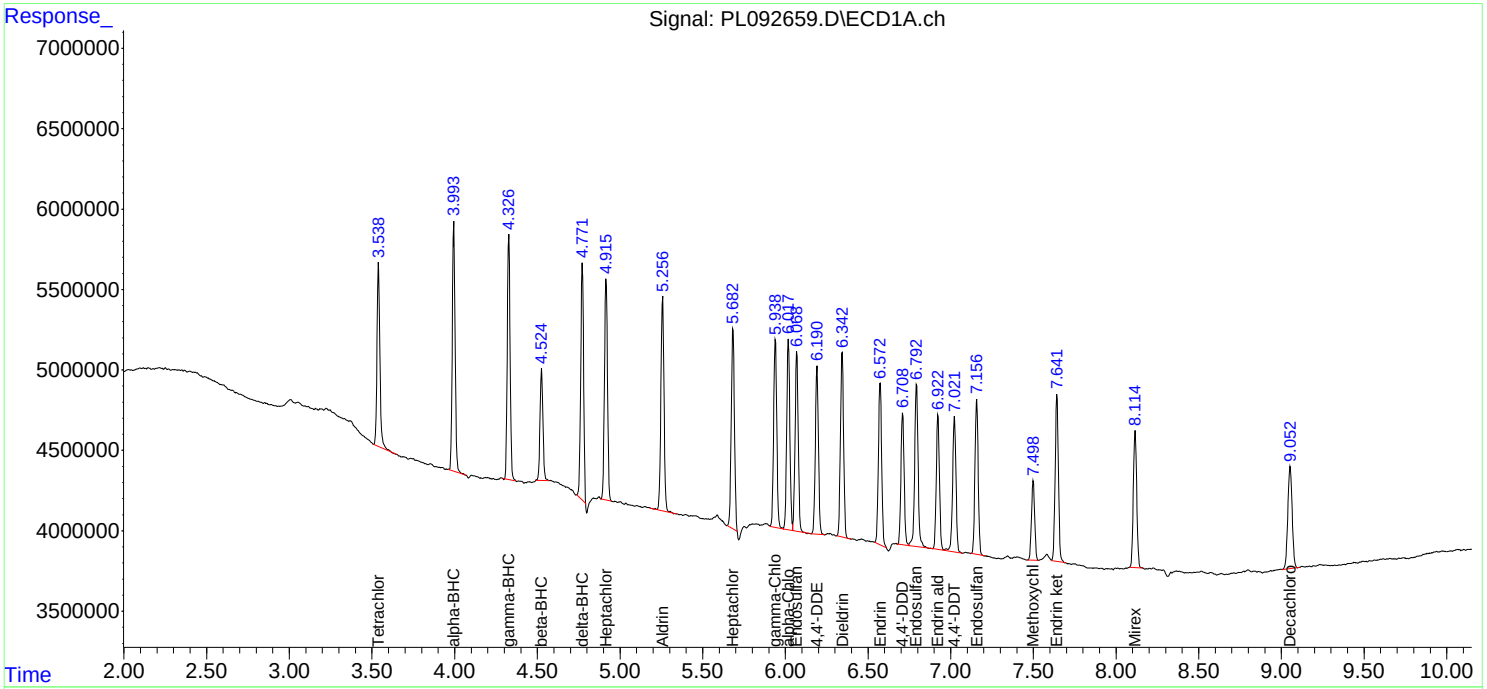
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

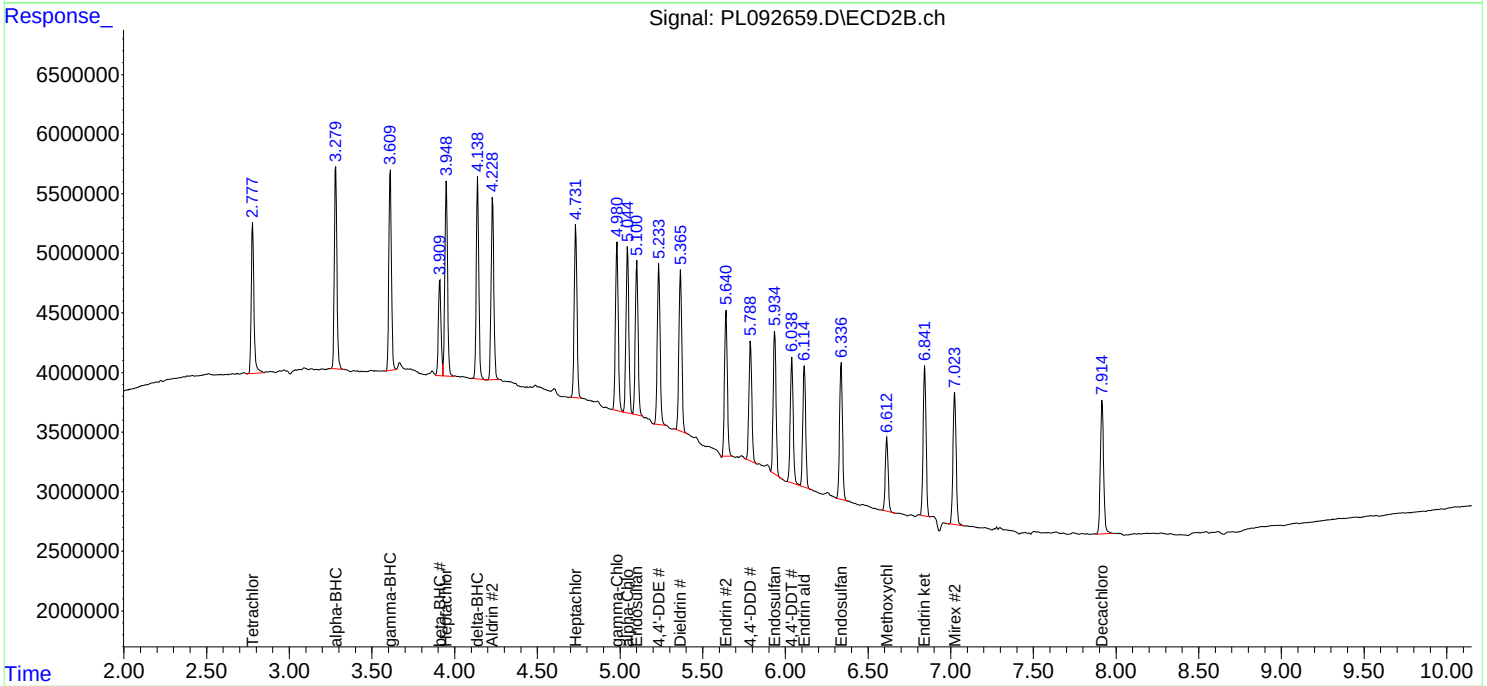
Manual Integrations APPROVED

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

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

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 16:16
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 16:53:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 16:53:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.540	2.777	115.3E6	161.4E6	50.000	50.000
28) SA	Decachlor...	9.055	7.916	90689456	133.2E6	50.000	50.000
	Target Compounds						
23)	Chlordane-1	4.702	3.776	53498186	52546046	500.000	500.000
24)	Chlordane-2	5.231	4.352	55198384	60320369	500.000	500.000
25)	Chlordane-3	5.941	4.982	186.2E6	180.5E6	500.000	500.000
26)	Chlordane-4	6.023	5.045	229.2E6	173.4E6	500.000	500.000
27)	Chlordane-5	6.872	5.941	46080525	62029874	500.000	500.000

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

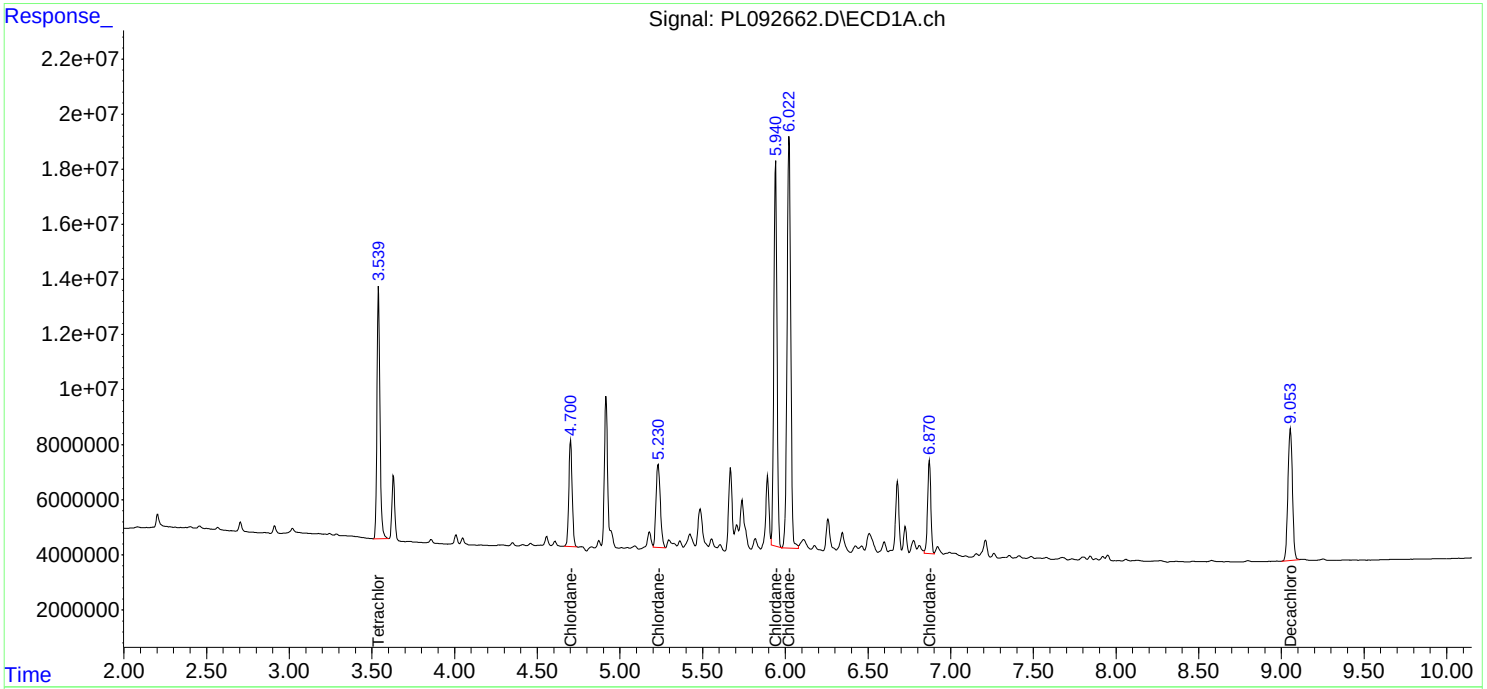
ICAL Form

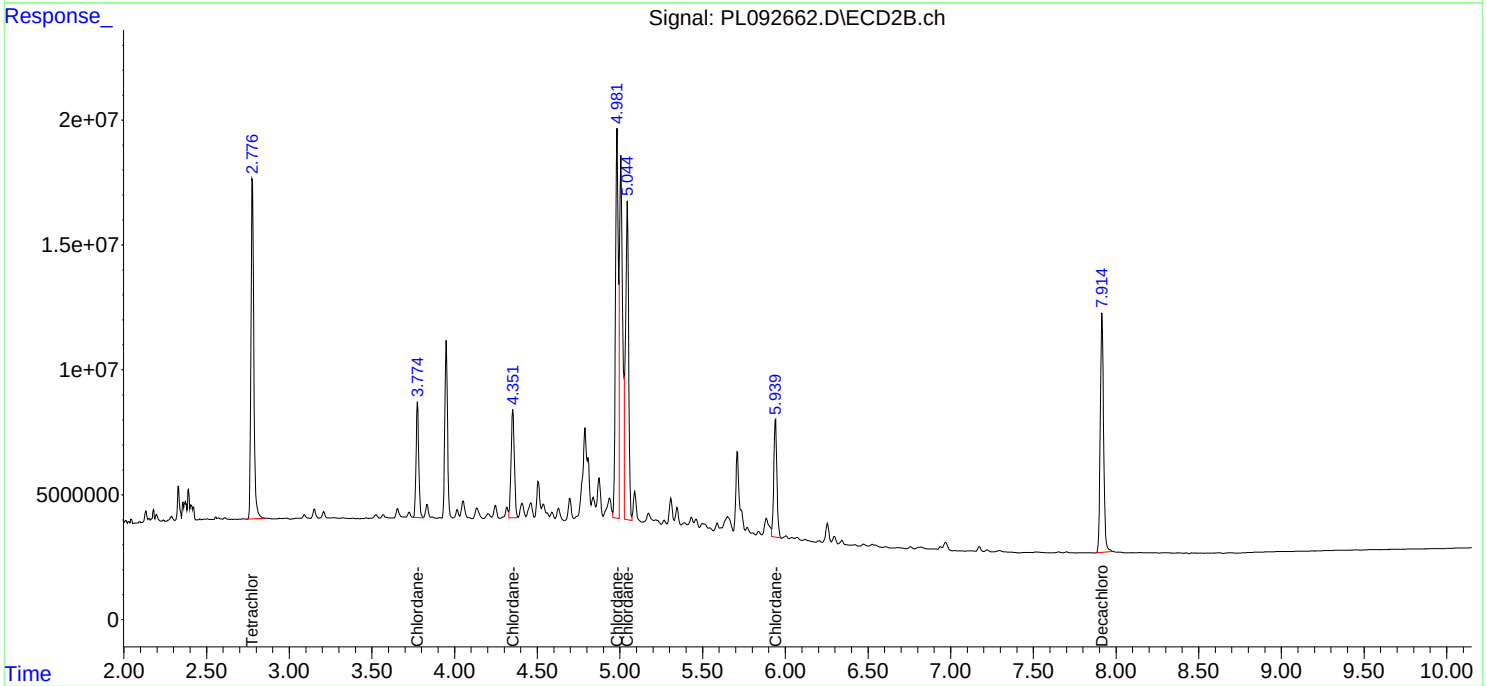
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 16:16
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 16:53:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 16:53:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092667.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 17:23
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:35:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:35:39 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.540	2.778	120.2E6	137.2E6	50.000	50.000
7) SA	Decachlor...	9.054	7.916	94872630	139.2E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	6.237	5.007	11981208	9976373	500.000	500.000
3)	Toxaphene-2	6.441	5.332	6911814	9874812	500.000	500.000
4)	Toxaphene-3	7.058	6.605	39579915	35111261	500.000	500.000
5)	Toxaphene-4	7.149	6.733	29901849	49168858	500.000	500.000
6)	Toxaphene-5	7.934	7.045	22664593	32739853	500.000	500.000

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

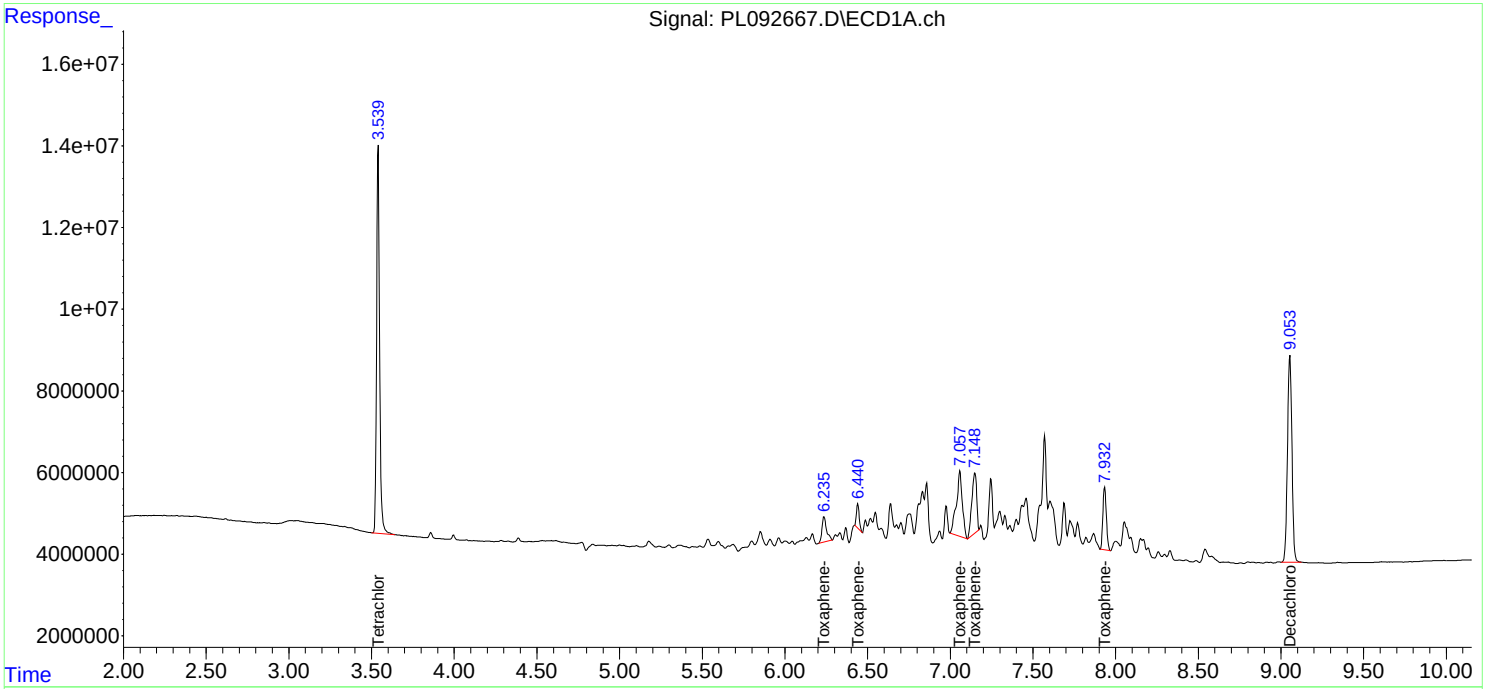
ICAL Form

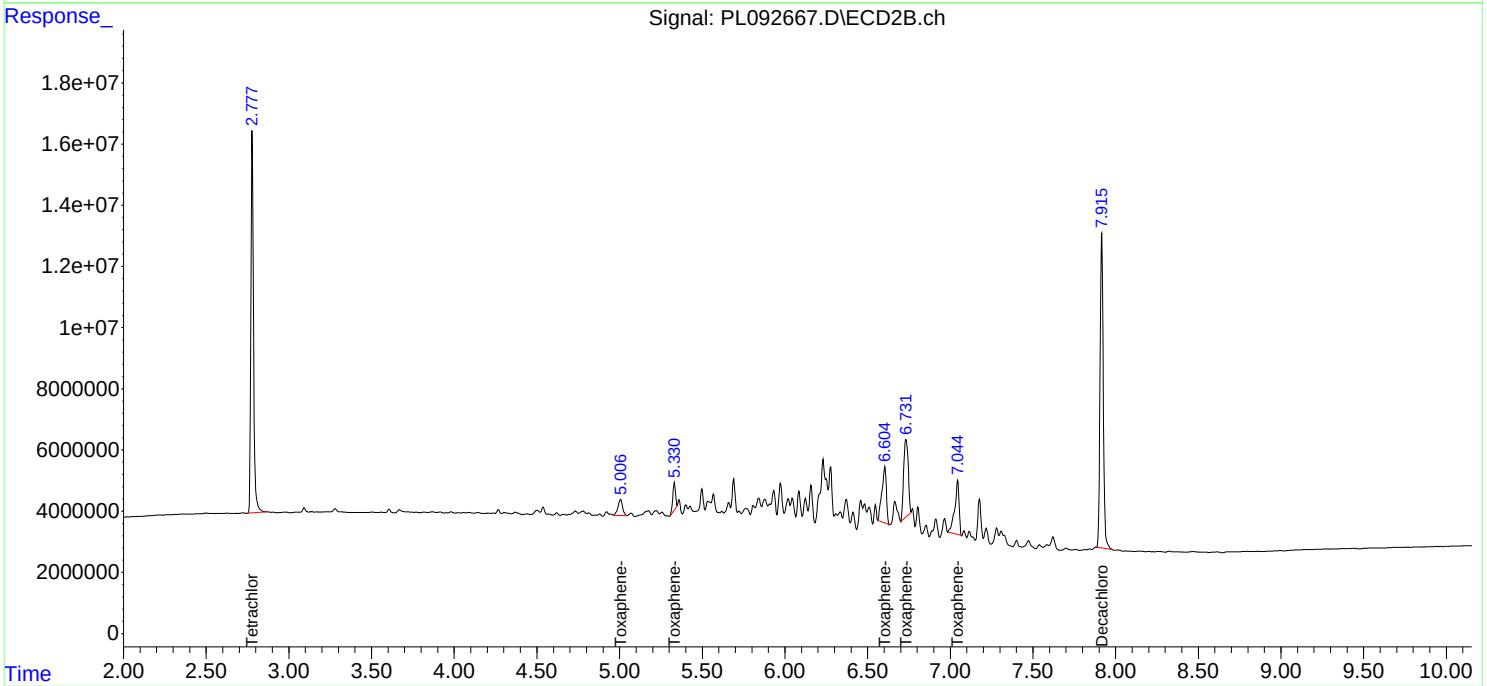
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092667.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 17:23
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:35:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:35:39 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_L
ClientSampleId :
ICVPL102824

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

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.540	2.778	119.9E6	136.6E6	48.932	50.204
28)	SA	Decachlor...	9.054	7.916	94182239	139.9E6	48.937	51.259
		Target Compounds						
2)	A	alpha-BHC	3.996	3.281	167.5E6	204.0E6	49.379	51.127
3)	MA	gamma-BHC...	4.328	3.611	160.1E6	197.4E6	49.125	51.136
4)	MA	Heptachlor	4.916	3.950	147.0E6	192.1E6	48.942	50.906
5)	MB	Aldrin	5.258	4.230	145.8E6	187.4E6	48.580	51.194
6)	B	beta-BHC	4.526	3.911	70600682	82244973	48.843	49.959
7)	B	delta-BHC	4.773	4.140	153.4E6	196.7E6	49.025	51.190
8)	B	Heptachlo...	5.684	4.732	133.1E6	169.7E6	48.213	50.772
9)	A	Endosulfan I	6.069	5.102	121.8E6	154.2E6	48.702	50.518
10)	B	gamma-Chl...	5.941	4.982	129.8E6	169.3E6	48.769	50.359
11)	B	alpha-Chl...	6.019	5.046	129.4E6	167.6E6	48.847	50.380
12)	B	4,4'-DDE	6.193	5.235	116.5E6	164.4E6	49.166	51.019
13)	MA	Dieldrin	6.345	5.366	129.0E6	171.0E6	48.947	51.185
14)	MA	Endrin	6.575	5.642	110.2E6	147.7E6	48.393	51.063
15)	B	Endosulfa...	6.794	5.937	115.4E6	145.0E6	48.417	51.175
16)	A	4,4'-DDD	6.710	5.790	95447383	127.7E6	49.724	51.292
17)	MA	4,4'-DDT	7.024	6.040	102.8E6	137.5E6	49.676	51.253
18)	B	Endrin al...	6.924	6.116	91870810	116.2E6	48.920	50.348
19)	B	Endosulfa...	7.159	6.339	106.0E6	136.5E6	48.859	50.601
20)	A	Methoxychlor	7.500	6.615	57010538	73335025	50.009	51.354
21)	B	Endrin ke...	7.644	6.844	118.9E6	157.6E6	49.074	51.358
22)		Mirex	8.117	7.025	96541027	131.1E6	48.716	50.260

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

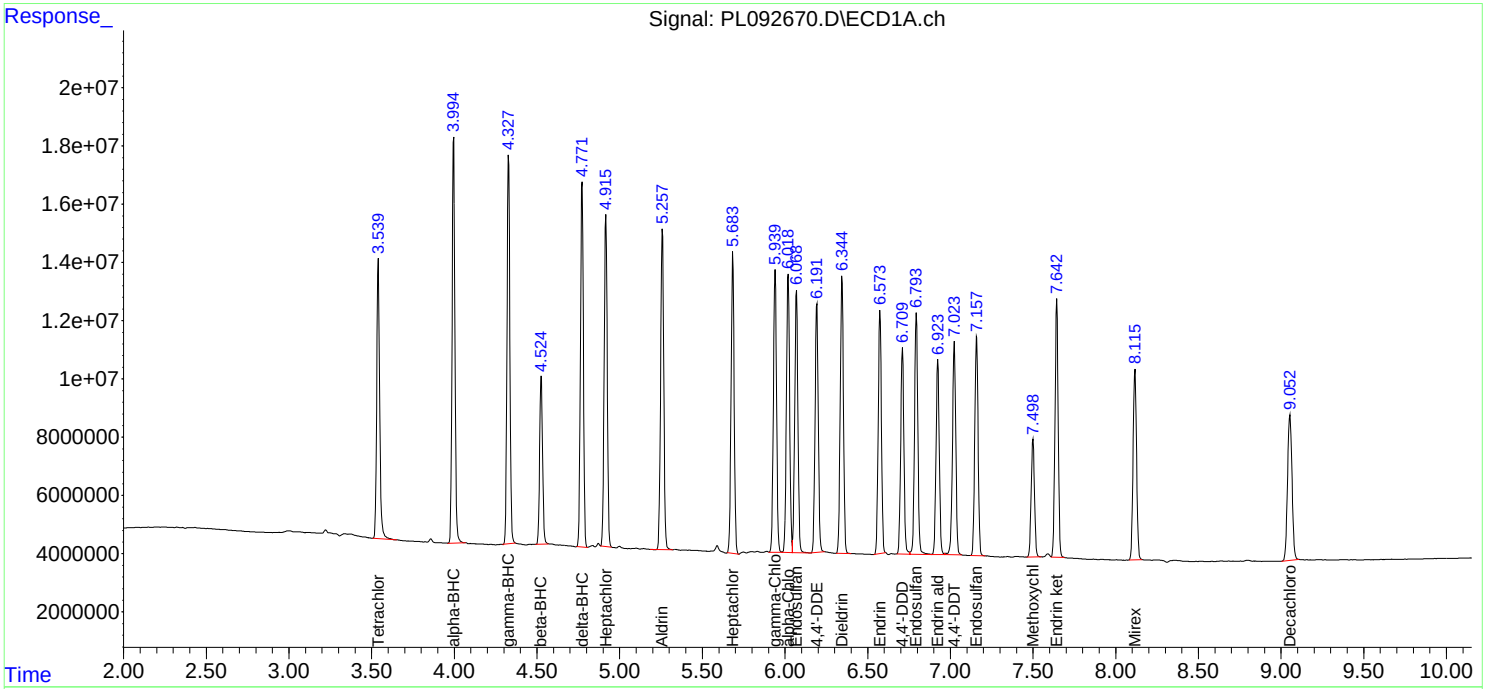
ICAL Form

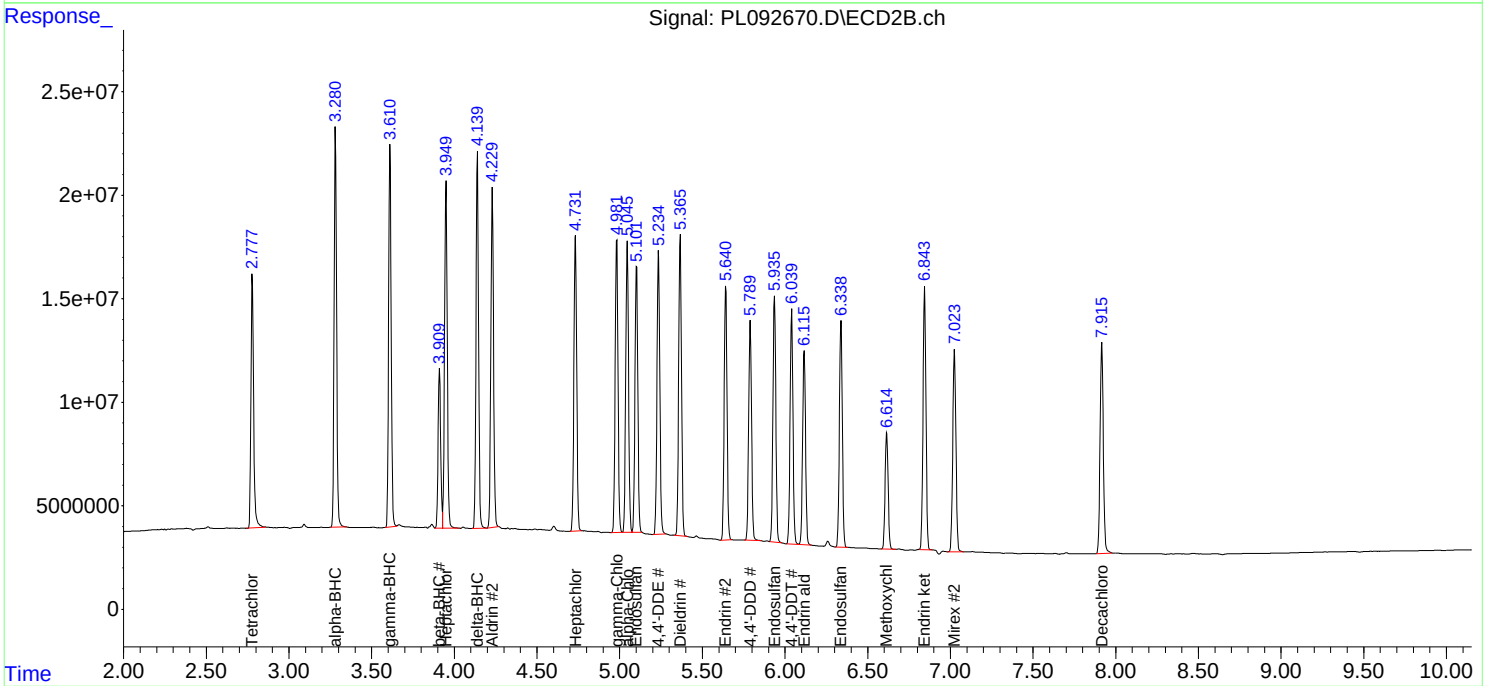
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092670.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:03
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL102824

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

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





Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_L
ClientSampleId :
ICVPL102824CHLOR

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.540	2.777	116.2E6	162.6E6	48.370	49.862
28) SA	Decachlor...	9.053	7.915	91212958	135.8E6	48.151	49.359
	Target Compounds						
23)	Chlordane-1	4.701	3.775	53586597	53029458	487.196	499.551
24)	Chlordane-2	5.231	4.352	54950332	60704270	479.439	490.132
25)	Chlordane-3	5.941	4.982	186.4E6	180.0E6	477.568	496.319
26)	Chlordane-4	6.022	5.045	229.4E6	173.9E6	479.933	497.043
27)	Chlordane-5	6.872	5.940	46544927	61748302	491.706	486.943

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

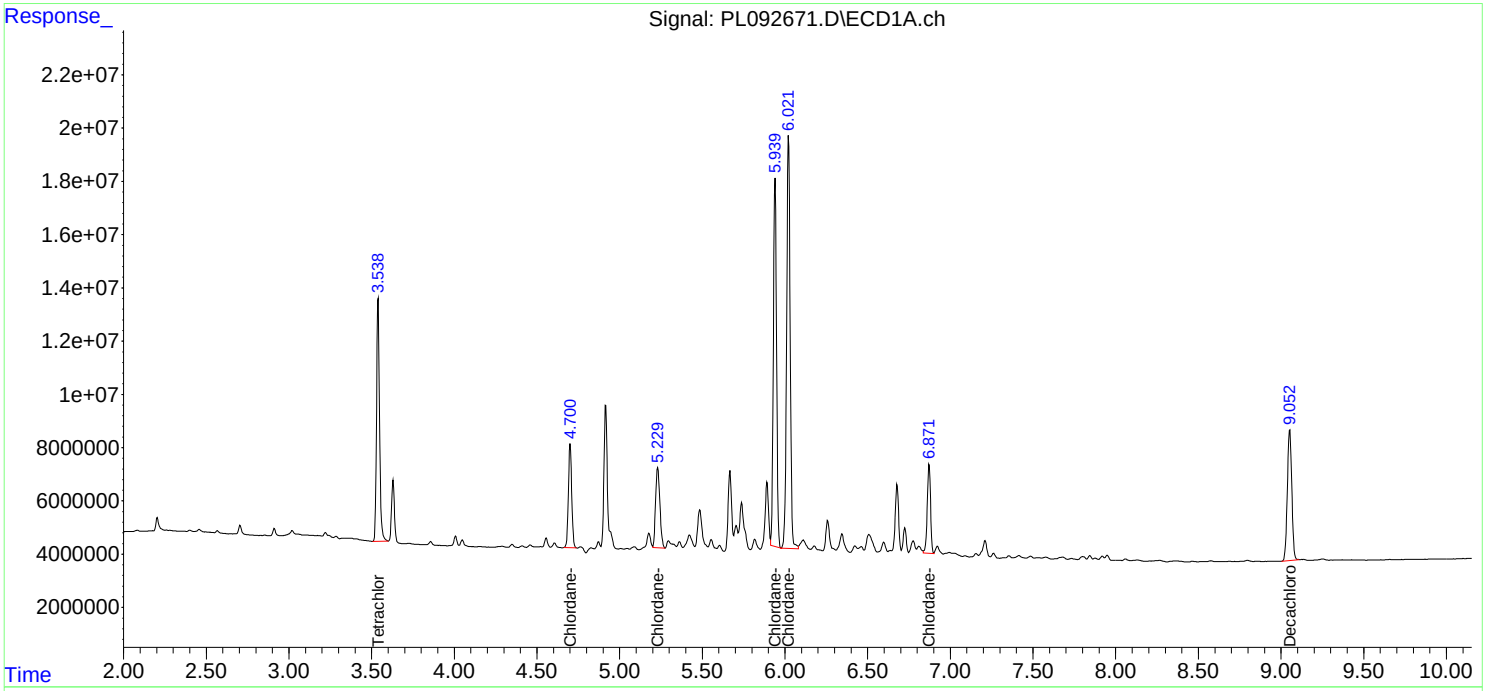
ICAL Form

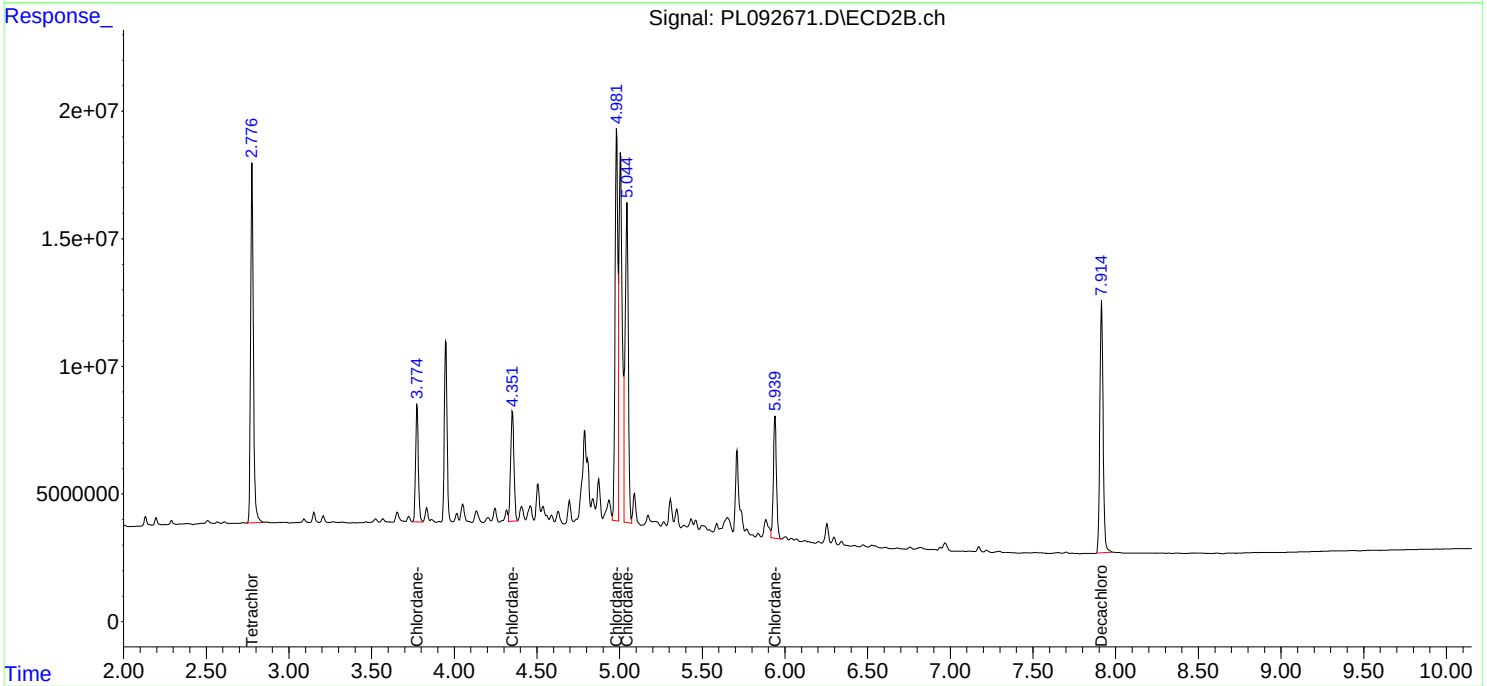
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092671.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:30
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL102824CHLOR

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

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





Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_L
ClientSampleId :
ICVPL102824TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 19:11:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:04:49 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.540	2.778	120.8E6	137.1E6	50.385	51.035
7)	SA Decachlor...	9.053	7.916	95483844	139.1E6	50.356	50.519
	Target Compounds						
2)	Toxaphene-1	6.237	5.006	12257412	10058947	555.039	528.973
3)	Toxaphene-2	6.441	5.331	6863785	9788249	506.186	497.458
4)	Toxaphene-3	7.058	6.604	39909041	34565997	513.663	508.031
5)	Toxaphene-4	7.149	6.732	29767251	48553437	501.141	526.978
6)	Toxaphene-5	7.933	7.046	22590334	32781409	503.299	499.967

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

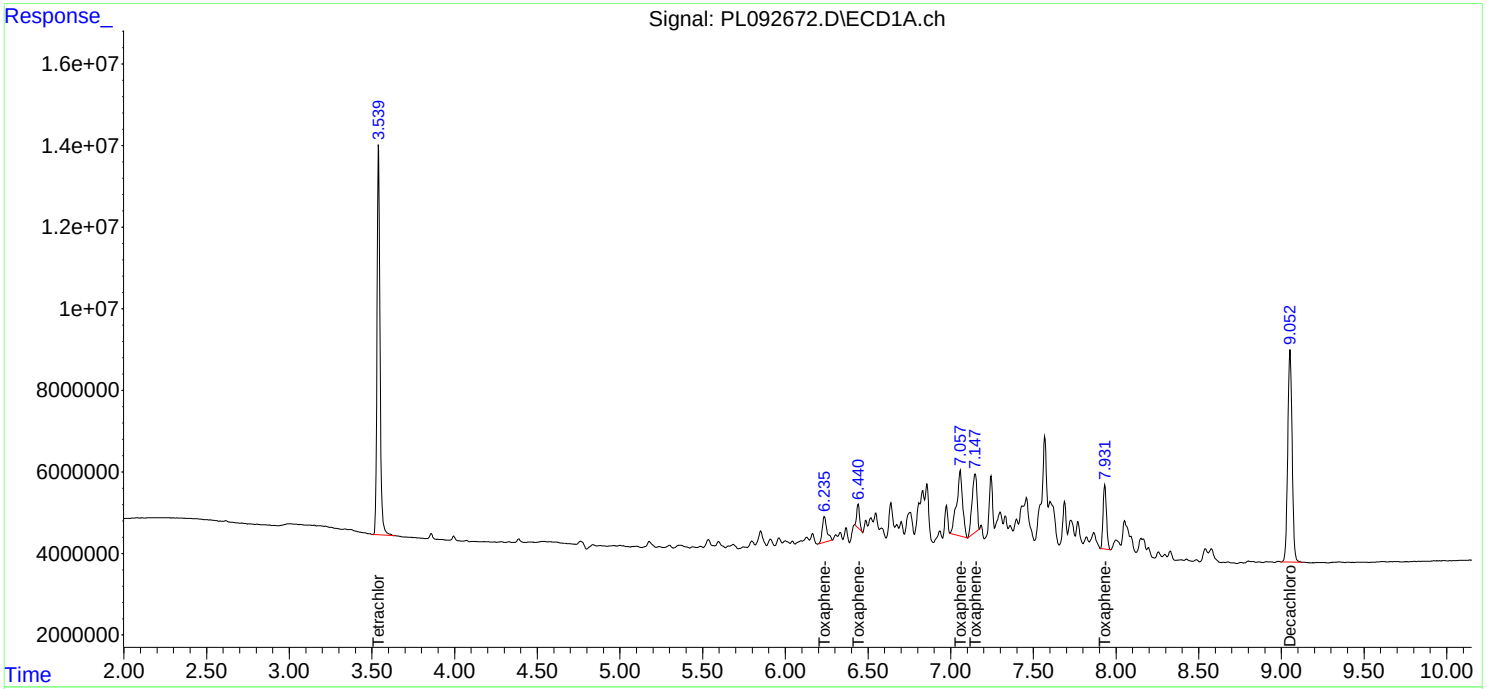
ICAL Form

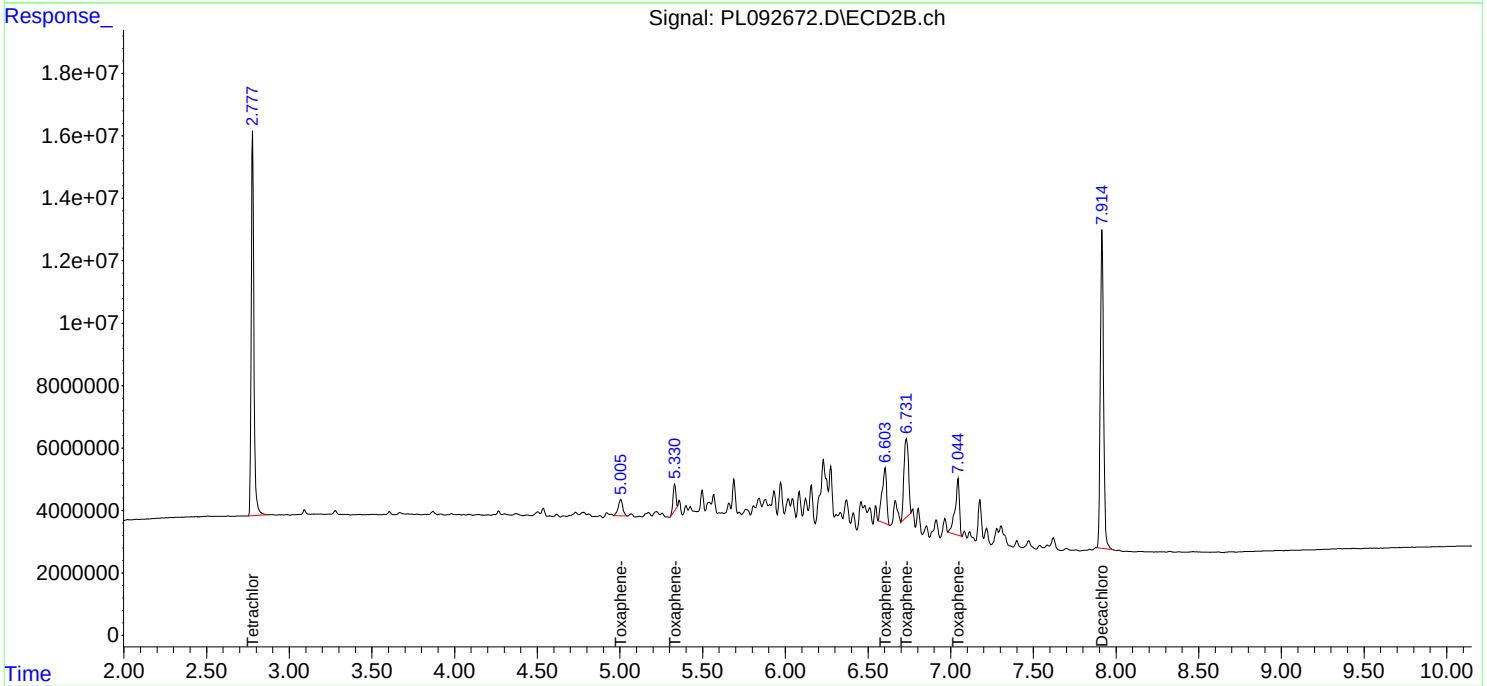
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092672.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:57
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL102824TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 19:11:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:04:49 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL092888.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 11:21 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	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
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00

Raw Data: **PL092888.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 11:21 **Initial Calibration Time(s):** 14:43 15:36

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
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.01

Raw Data: **PL092888.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Client Sample No.: CCAL01 **Date Analyzed:** 11/07/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092888.D **Time Analyzed:** 11:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.954	9.154	46.020	50.000	-8.0
Endrin	6.577	6.474	6.674	45.550	50.000	-8.9
gamma-BHC (Lindane)	4.330	4.228	4.428	48.790	50.000	-2.4
Heptachlor	4.919	4.817	5.017	47.760	50.000	-4.5
Heptachlor epoxide	5.686	5.584	5.784	47.690	50.000	-4.6
Methoxychlor	7.502	7.399	7.599	47.810	50.000	-4.4
Tetrachloro-m-xylene	3.542	3.440	3.640	48.470	50.000	-3.1

Raw Data: **PL092888.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Client Sample No.: CCAL01 **Date Analyzed:** 11/07/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092888.D **Time Analyzed:** 11:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.917	7.816	8.016	46.840	50.000	-6.3
Endrin	5.642	5.541	5.741	51.530	50.000	3.1
gamma-BHC (Lindane)	3.611	3.511	3.711	50.380	50.000	0.8
Heptachlor	3.950	3.849	4.049	50.240	50.000	0.5
Heptachlor epoxide	4.732	4.632	4.832	50.240	50.000	0.5
Methoxychlor	6.615	6.515	6.715	49.970	50.000	-0.1
Tetrachloro-m-xylene	2.778	2.678	2.878	49.610	50.000	-0.8

Quantitation Report (QT Reviewed)

Sample Results: **PL092888.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 11:21
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 11:48:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.542	2.778	118.8E6	135.0E6	48.468	49.607
28)	SA	Decachlor...	9.059	7.917	88567375	127.8E6	46.020	46.840
		Target Compounds						
2)	A	alpha-BHC	3.998	3.281	166.1E6	202.3E6	48.981	50.710
3)	MA	gamma-BHC...	4.330	3.611	159.0E6	194.4E6	48.786	50.376
4)	MA	Heptachlor	4.919	3.950	143.4E6	189.6E6	47.764	50.237
5)	MB	Aldrin	5.261	4.230	142.5E6	185.5E6	47.467	50.689
6)	B	beta-BHC	4.528	3.911	70217532	81987535	48.578	49.803
7)	B	delta-BHC	4.775	4.140	151.4E6	196.3E6	48.388	51.068
8)	B	Heptachlo...	5.686	4.732	131.7E6	167.9E6	47.686	50.239
9)	A	Endosulfan I	6.072	5.102	115.4E6	148.6E6	46.130	48.658
10)	B	gamma-Chl...	5.943	4.982	123.9E6	168.4E6	46.570	50.083
11)	B	alpha-Chl...	6.022	5.046	123.5E6	166.2E6	46.633	49.963
12)	B	4,4'-DDE	6.195	5.235	110.8E6	163.7E6	46.781	50.819
13)	MA	Dieldrin	6.347	5.367	121.2E6	169.1E6	45.987	50.627
14)	MA	Endrin	6.577	5.642	103.7E6	149.1E6	45.549	51.530
15)	B	Endosulfa...	6.797	5.936	107.0E6	146.4E6	44.894	51.677
16)	A	4,4'-DDD	6.713	5.790	94795584	129.7E6	49.385	52.089
17)	MA	4,4'-DDT	7.026	6.040	96696205	136.2E6	46.719	50.766
18)	B	Endrin al...	6.927	6.116	89296748	114.5E6	47.550	49.625
19)	B	Endosulfa...	7.161	6.339	99702424	135.0E6	45.939	50.067
20)	A	Methoxychlor	7.502	6.615	54507462	71360386	47.814	49.971
21)	B	Endrin ke...	7.647	6.844	111.3E6	150.1E6	45.943	48.908
22)		Mirex	8.120	7.025	89711631	126.9E6	45.270	48.644

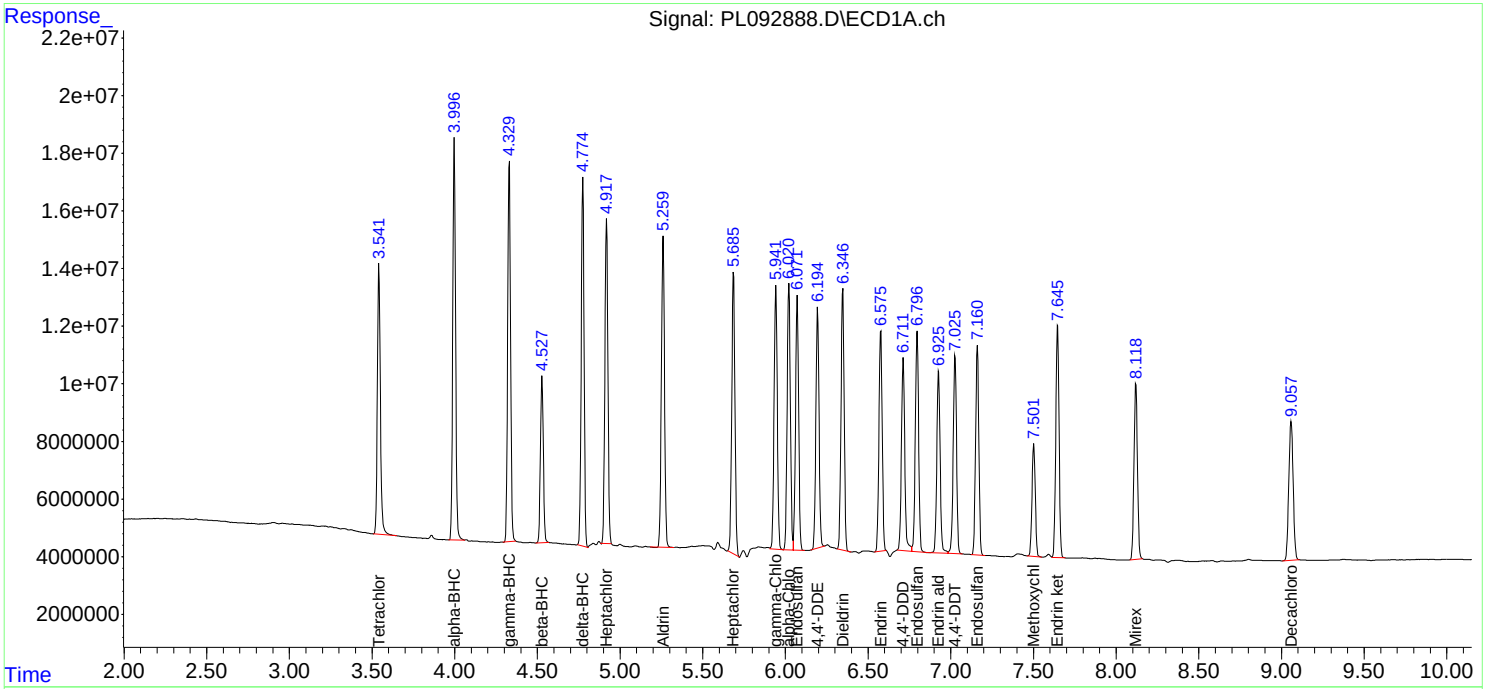
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

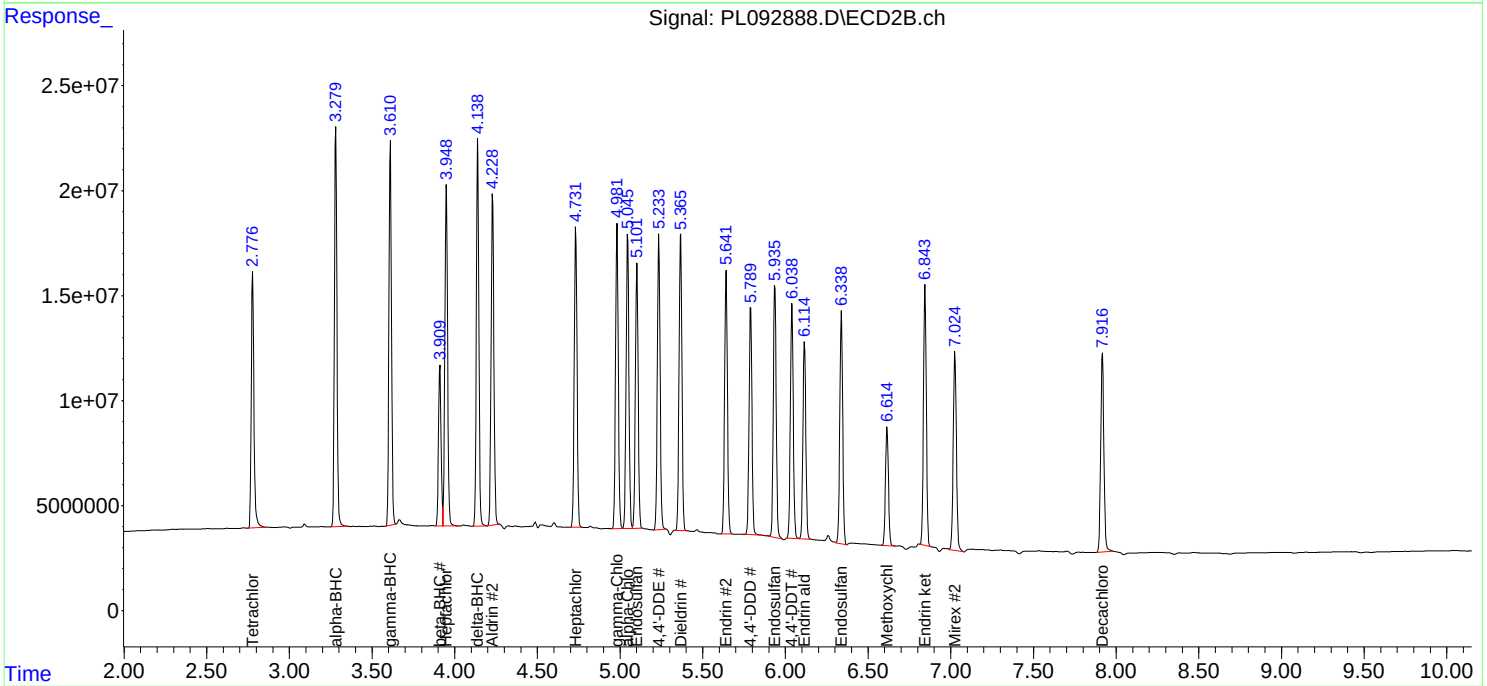
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 11:21
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 11:48:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL092904.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 15:29 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	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
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00

Raw Data: **PL092904.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 15:29 **Initial Calibration Time(s):** 14:43 15:36

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
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

Raw Data: **PL092904.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Client Sample No.: CCAL02 **Date Analyzed:** 11/07/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092904.D **Time Analyzed:** 15:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.954	9.154	45.750	50.000	-8.5
Endrin	6.577	6.474	6.674	42.920	50.000	-14.2
gamma-BHC (Lindane)	4.330	4.228	4.428	48.200	50.000	-3.6
Heptachlor	4.919	4.817	5.017	46.410	50.000	-7.2
Heptachlor epoxide	5.687	5.584	5.784	45.780	50.000	-8.4
Methoxychlor	7.503	7.399	7.599	43.270	50.000	-13.5
Tetrachloro-m-xylene	3.542	3.440	3.640	47.550	50.000	-4.9

Raw Data: **PL092904.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Client Sample No.: CCAL02 **Date Analyzed:** 11/07/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092904.D **Time Analyzed:** 15:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.917	7.816	8.016	40.370	50.000	-19.3
Endrin	5.642	5.541	5.741	46.330	50.000	-7.3
gamma-BHC (Lindane)	3.611	3.511	3.711	49.880	50.000	-0.2
Heptachlor	3.950	3.849	4.049	49.860	50.000	-0.3
Heptachlor epoxide	4.732	4.632	4.832	47.410	50.000	-5.2
Methoxychlor	6.616	6.515	6.715	44.210	50.000	-11.6
Tetrachloro-m-xylene	2.778	2.678	2.878	50.400	50.000	0.8

Quantitation Report (QT Reviewed)

Sample Results: **PL092904.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 15:29
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 23:56:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.542	2.778	116.5E6	137.2E6	47.552	50.402
28)	SA	Decachlor...	9.059	7.917	88057220	110.2E6	45.755	40.374
		Target Compounds						
2)	A	alpha-BHC	3.998	3.281	161.7E6	203.7E6	47.689	51.059
3)	MA	gamma-BHC...	4.330	3.611	157.1E6	192.5E6	48.198	49.876
4)	MA	Heptachlor	4.919	3.950	139.4E6	188.2E6	46.409	49.861
5)	MB	Aldrin	5.259	4.230	137.3E6	185.5E6	45.733m	50.684
6)	B	beta-BHC	4.528	3.911	69277065	81732026	47.927	49.647
7)	B	delta-BHC	4.774	4.140	149.6E6	197.4E6	47.810	51.373
8)	B	Heptachlo...	5.687	4.732	126.4E6	158.4E6	45.781	47.405
9)	A	Endosulfan I	6.072	5.102	111.2E6	145.0E6	44.450	47.481
10)	B	gamma-Chl...	5.943	4.983	120.7E6	161.5E6	45.360	48.035
11)	B	alpha-Chl...	6.022	5.046	119.2E6	161.3E6	44.998	48.508
12)	B	4,4'-DDE	6.194	5.235	106.9E6	162.1E6	45.135m	50.302
13)	MA	Dieldrin	6.347	5.367	117.0E6	162.8E6	44.399	48.725
14)	MA	Endrin	6.577	5.642	97713249	134.0E6	42.920	46.326
15)	B	Endosulfa...	6.797	5.937	101.1E6	133.3E6	42.391	47.057
16)	A	4,4'-DDD	6.713	5.790	89021585	122.5E6	46.377	49.192
17)	MA	4,4'-DDT	7.027	6.041	88781754	118.1E6	42.895	44.016
18)	B	Endrin al...	6.927	6.116	82889638	101.8E6	44.138	44.109
19)	B	Endosulfa...	7.161	6.339	93794822	124.9E6	43.217	46.305
20)	A	Methoxychlor	7.503	6.616	49330628	63131891	43.273	44.209
21)	B	Endrin ke...	7.646	6.845	104.7E6	133.7E6	43.214	43.581
22)		Mirex	8.120	7.026	82511395	107.3E6	41.637	41.108

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

Sample Results: **PL092904.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 15:29
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

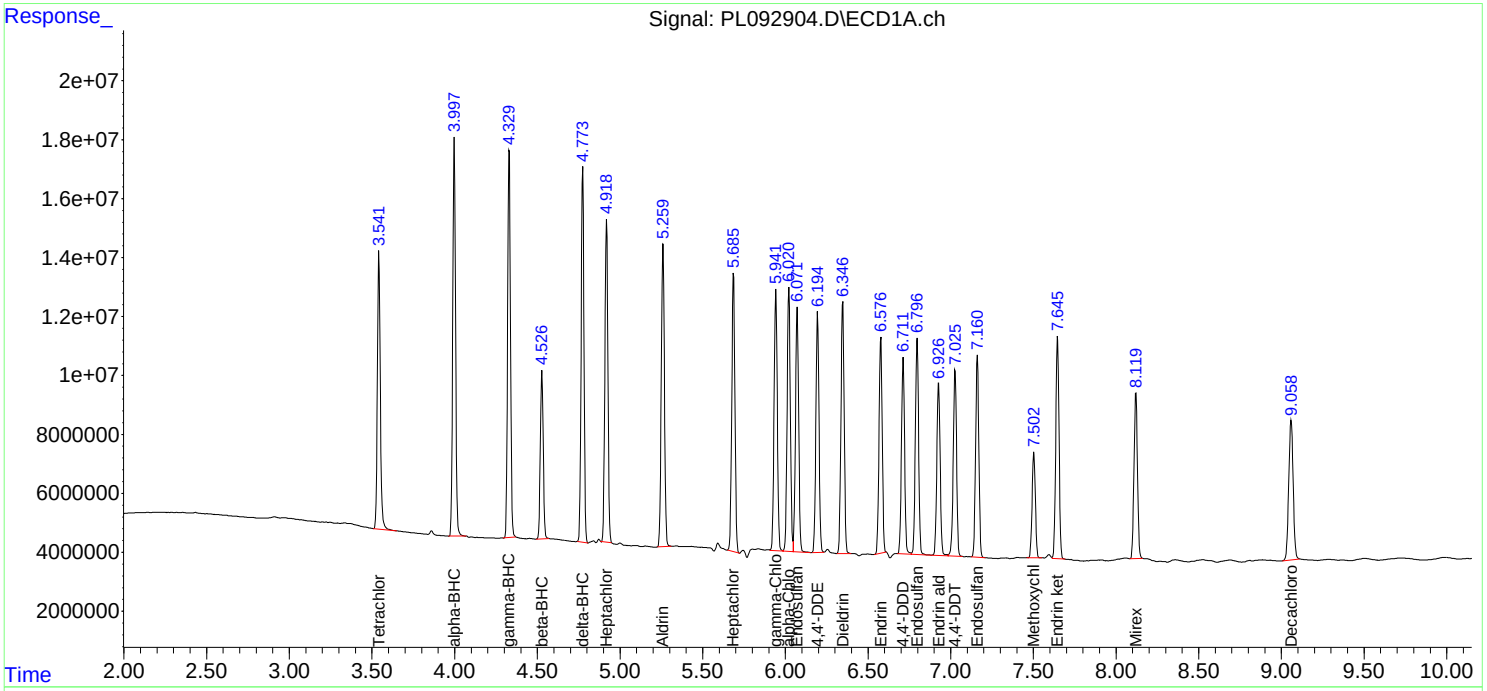
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

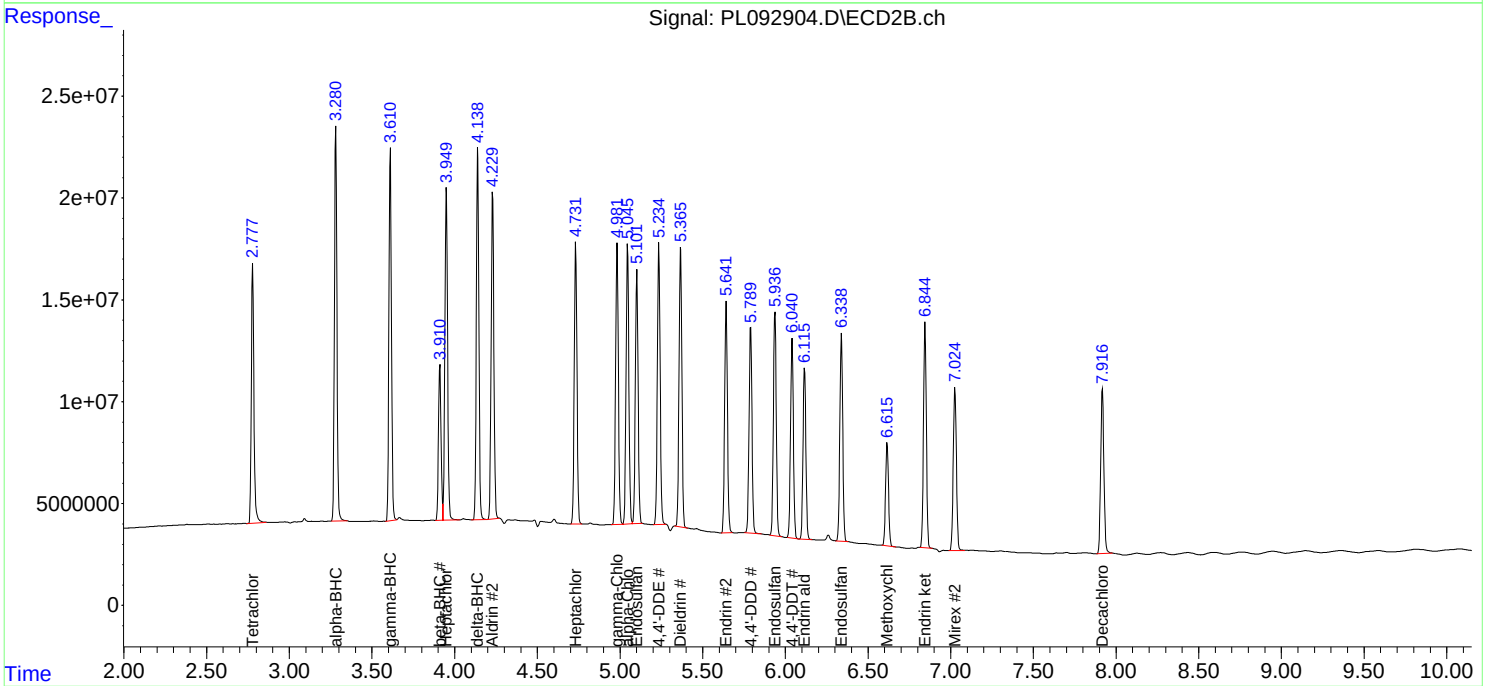
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 23:56:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL092920.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

Continuing Calib Date: 11/08/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 12:14 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.05	8.95	9.15	-0.02
Tetrachloro-m-xylene	3.55	3.54	3.44	3.64	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.51	7.50	7.40	7.60	-0.01

Raw Data: **PL092920.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

Continuing Calib Date: 11/08/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 12:14 **Initial Calibration Time(s):** 14:43 15:36

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
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.74	4.73	4.63	4.83	-0.01
Endrin	5.65	5.64	5.54	5.74	-0.01
Methoxychlor	6.62	6.62	6.52	6.72	0.00

Raw Data: **PL092920.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Client Sample No.: CCAL03 **Date Analyzed:** 11/08/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092920.D **Time Analyzed:** 12:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.068	8.954	9.154	47.820	50.000	-4.4
Endrin	6.583	6.474	6.674	46.140	50.000	-7.7
gamma-BHC (Lindane)	4.337	4.228	4.428	50.230	50.000	0.5
Heptachlor	4.924	4.817	5.017	49.050	50.000	-1.9
Heptachlor epoxide	5.694	5.584	5.784	49.150	50.000	-1.7
Methoxychlor	7.510	7.399	7.599	46.690	50.000	-6.6
Tetrachloro-m-xylene	3.548	3.440	3.640	50.310	50.000	0.6

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Client Sample No.: CCAL03 **Date Analyzed:** 11/08/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092920.D **Time Analyzed:** 12:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.921	7.816	8.016	49.630	50.000	-0.7
Endrin	5.646	5.541	5.741	53.050	50.000	6.1
gamma-BHC (Lindane)	3.613	3.511	3.711	53.370	50.000	6.7
Heptachlor	3.952	3.849	4.049	52.180	50.000	4.4
Heptachlor epoxide	4.735	4.632	4.832	53.410	50.000	6.8
Methoxychlor	6.619	6.515	6.715	50.650	50.000	1.3
Tetrachloro-m-xylene	2.780	2.678	2.878	52.400	50.000	4.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110824\
Data File : PL092920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 12:14
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/11/2024
Supervised By :Ankita Jodhani 11/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 22:08:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.780	123.3E6	142.6E6	50.312	52.400
28)	SA Decachlor...	9.068	7.921	92029923	135.5E6	47.819	49.634
	Target Compounds						
2)	A alpha-BHC	4.004	3.282	172.3E6	213.3E6	50.801	53.468
3)	MA gamma-BHC...	4.337	3.613	163.7E6	206.0E6	50.229	53.367
4)	MA Heptachlor	4.924	3.952	147.3E6	196.9E6	49.054m	52.181
5)	MB Aldrin	5.265	4.232	147.5E6	196.0E6	49.148m	53.560
6)	B beta-BHC	4.535	3.912	71555865	86699012	49.504	52.665
7)	B delta-BHC	4.781	4.141	158.0E6	207.5E6	50.496	54.003
8)	B Heptachlo...	5.694	4.735	135.7E6	178.5E6	49.154	53.406
9)	A Endosulfan I	6.080	5.105	121.3E6	163.7E6	48.502	53.608
10)	B gamma-Chl...	5.950	4.985	130.8E6	180.9E6	49.151	53.799
11)	B alpha-Chl...	6.029	5.048	129.6E6	178.5E6	48.936	53.670
12)	B 4,4'-DDE	6.202	5.238	117.4E6	175.3E6	49.560	54.429
13)	MA Dieldrin	6.354	5.370	128.0E6	181.3E6	48.552	54.263
14)	MA Endrin	6.583	5.646	105.1E6	153.5E6	46.145m	53.052
15)	B Endosulfa...	6.804	5.940	112.9E6	154.9E6	47.377	54.665
16)	A 4,4'-DDD	6.719	5.794	99132985	143.7E6	51.645	57.719
17)	MA 4,4'-DDT	7.033	6.044	95621742	139.9E6	46.200	52.161
18)	B Endrin al...	6.934	6.120	90470956	123.9E6	48.175	53.698
19)	B Endosulfa...	7.169	6.342	103.5E6	144.8E6	47.676	53.685
20)	A Methoxychlor	7.510	6.619	53228727	72335894	46.692	50.654
21)	B Endrin ke...	7.653	6.848	117.0E6	166.6E6	48.284	54.299
22)	Mirex	8.127	7.029	91535500	134.2E6	46.190	51.439

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

Sample Results: **PL092920.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110824\
Data File : PL092920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 12:14
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

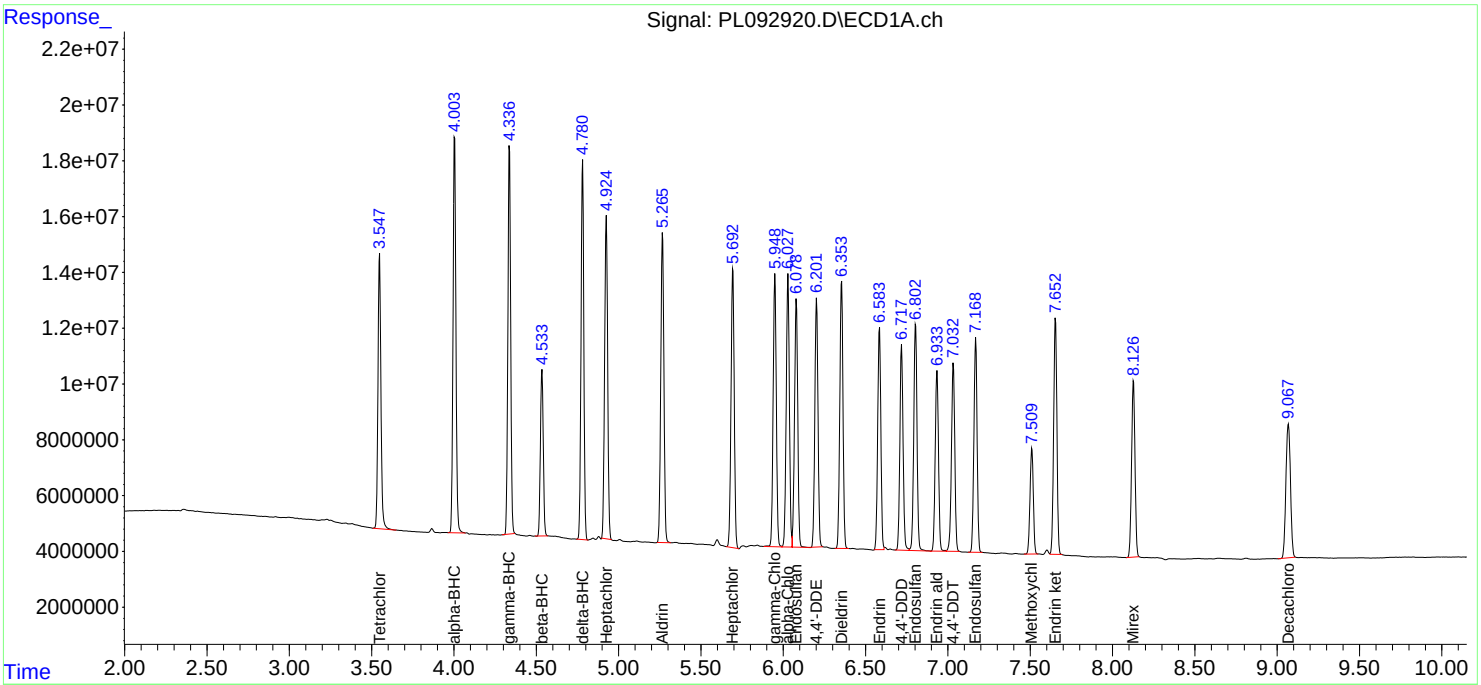
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

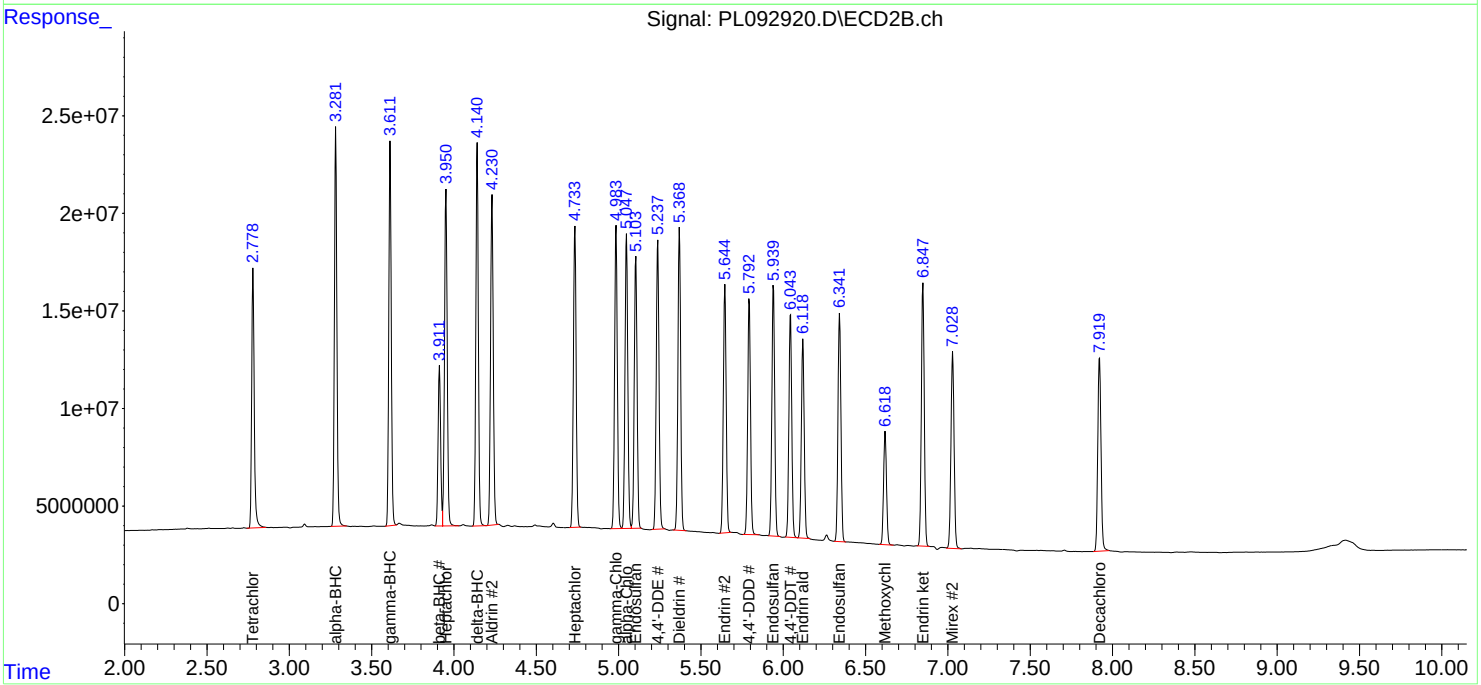
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/11/2024
Supervised By :Ankita Jodhani 11/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 22:08:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL092939.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

Continuing Calib Date: 11/08/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 17:49 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	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
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00

Raw Data: **PL092939.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

Continuing Calib Date: 11/08/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 17:49 **Initial Calibration Time(s):** 14:43 15:36

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
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

Raw Data: **PL092939.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Client Sample No.: CCAL04 **Date Analyzed:** 11/08/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092939.D **Time Analyzed:** 17:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.060	8.954	9.154	42.510	50.000	-15.0
Endrin	6.578	6.474	6.674	41.150	50.000	-17.7
gamma-BHC (Lindane)	4.330	4.228	4.428	49.260	50.000	-1.5
Heptachlor	4.919	4.817	5.017	45.670	50.000	-8.7
Heptachlor epoxide	5.687	5.584	5.784	45.730	50.000	-8.5
Methoxychlor	7.503	7.399	7.599	40.630	50.000	-18.7
Tetrachloro-m-xylene	3.542	3.440	3.640	49.900	50.000	-0.2

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Client Sample No.: CCAL04 **Date Analyzed:** 11/08/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092939.D **Time Analyzed:** 17:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.919	7.816	8.016	43.240	50.000	-13.5
Endrin	5.643	5.541	5.741	48.460	50.000	-3.1
gamma-BHC (Lindane)	3.612	3.511	3.711	53.000	50.000	6.0
Heptachlor	3.951	3.849	4.049	50.120	50.000	0.2
Heptachlor epoxide	4.733	4.632	4.832	52.110	50.000	4.2
Methoxychlor	6.617	6.515	6.715	43.800	50.000	-12.4
Tetrachloro-m-xylene	2.779	2.678	2.878	52.590	50.000	5.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110824\
Data File : PL092939.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 17:49
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 22:26:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.542	2.779	122.3E6	143.1E6	49.896	52.590
28) SA	Decachlor...	9.060	7.919	81818276	118.0E6	42.513	43.241
	Target Compounds						
2) A	alpha-BHC	3.998	3.281	169.4E6	213.8E6	49.956	53.579
3) MA	gamma-BHC...	4.330	3.612	160.6E6	204.5E6	49.256	52.999
4) MA	Heptachlor	4.919	3.951	137.2E6	189.2E6	45.673	50.122
5) MB	Aldrin	5.261	4.230	140.4E6	193.6E6	46.780	52.892
6) B	beta-BHC	4.528	3.911	70484349	86215676	48.763	52.371
7) B	delta-BHC	4.776	4.140	153.2E6	206.0E6	48.952	53.608
8) B	Heptachlo...	5.687	4.733	126.3E6	174.1E6	45.726	52.106
9) A	Endosulfan I	6.073	5.103	112.9E6	155.2E6	45.124	50.825
10) B	gamma-Chl...	5.943	4.983	123.0E6	173.1E6	46.240	51.494
11) B	alpha-Chl...	6.023	5.047	121.1E6	169.0E6	45.720	50.823
12) B	4,4'-DDE	6.195	5.236	109.1E6	167.1E6	46.044	51.880
13) MA	Dieldrin	6.348	5.367	119.2E6	170.2E6	45.230	50.961
14) MA	Endrin	6.578	5.643	93686170	140.2E6	41.151	48.462
15) B	Endosulfa...	6.798	5.938	103.2E6	140.8E6	43.277	49.705
16) A	4,4'-DDD	6.713	5.791	93092639	133.7E6	48.498	53.696
17) MA	4,4'-DDT	7.027	6.041	84240574	119.2E6	40.701	44.440
18) B	Endrin al...	6.928	6.117	81976293	111.6E6	43.651	48.377
19) B	Endosulfa...	7.163	6.340	94109390	129.3E6	43.362	47.934
20) A	Methoxychlor	7.503	6.617	46315609	62540606	40.628	43.795
21) B	Endrin ke...	7.647	6.845	105.5E6	148.7E6	43.553	48.443
22)	Mirex	8.121	7.027	80969128	116.1E6	40.858	44.514

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

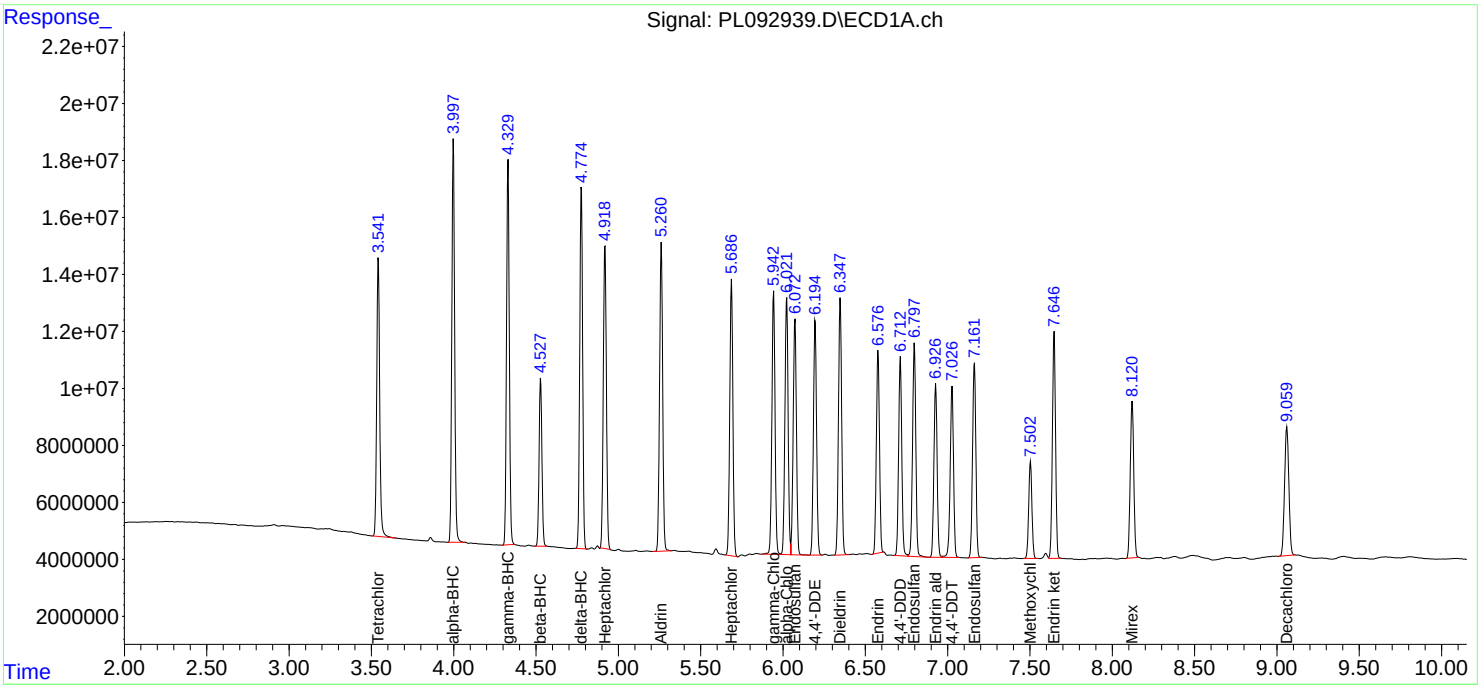
Sample Results: **PL092939.D**

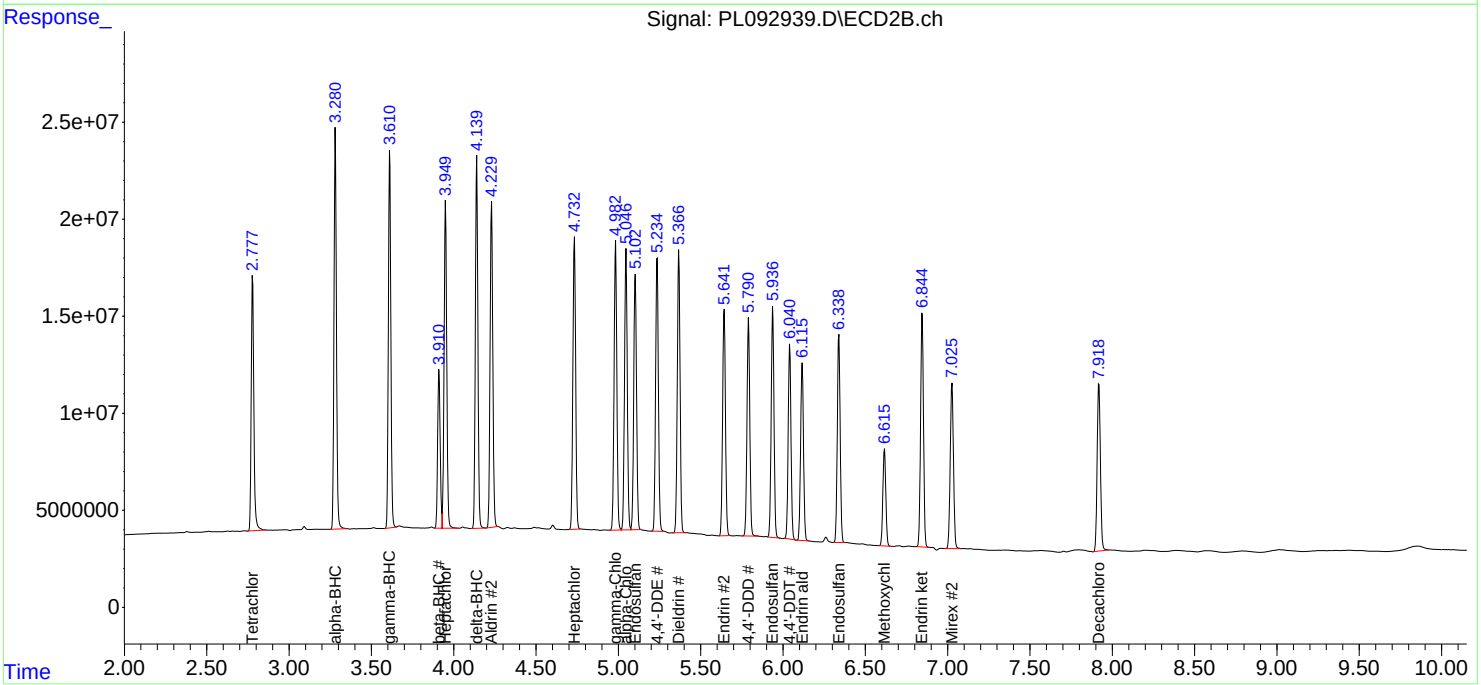
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110824\
Data File : PL092939.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 17:49
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 22:26:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL092943.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Continuing Calib Time: 11:58 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	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
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00

Raw Data: **PL092943.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Continuing Calib Time: 11:58 **Initial Calibration Time(s):** 14:43 15:36

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
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Client Sample No.: CCAL05 **Date Analyzed:** 11/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092943.D **Time Analyzed:** 11:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.061	8.954	9.154	46.430	50.000	-7.1
Endrin	6.579	6.474	6.674	43.850	50.000	-12.3
gamma-BHC (Lindane)	4.331	4.228	4.428	49.900	50.000	-0.2
Heptachlor	4.920	4.817	5.017	47.730	50.000	-4.5
Heptachlor epoxide	5.688	5.584	5.784	48.400	50.000	-3.2
Methoxychlor	7.504	7.399	7.599	44.210	50.000	-11.6
Tetrachloro-m-xylene	3.542	3.440	3.640	49.960	50.000	-0.1

Raw Data: **PL092943.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Client Sample No.: CCAL05 **Date Analyzed:** 11/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092943.D **Time Analyzed:** 11:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.919	7.816	8.016	46.770	50.000	-6.5
Endrin	5.643	5.541	5.741	50.950	50.000	1.9
gamma-BHC (Lindane)	3.611	3.511	3.711	52.560	50.000	5.1
Heptachlor	3.951	3.849	4.049	50.950	50.000	1.9
Heptachlor epoxide	4.733	4.632	4.832	52.470	50.000	4.9
Methoxychlor	6.617	6.515	6.715	46.930	50.000	-6.1
Tetrachloro-m-xylene	2.778	2.678	2.878	51.750	50.000	3.5

Quantitation Report (QT Reviewed)

Sample Results: **PL092943.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 11:58
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:46:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.778	122.4E6	140.8E6	49.960	51.749
28)	SA Decachlor...	9.061	7.919	89353166	127.6E6	46.428	46.766
	Target Compounds						
2)	A alpha-BHC	3.998	3.281	171.0E6	211.0E6	50.423	52.876
3)	MA gamma-BHC...	4.331	3.611	162.7E6	202.8E6	49.904	52.557
4)	MA Heptachlor	4.920	3.951	143.3E6	192.3E6	47.734	50.947
5)	MB Aldrin	5.262	4.230	145.8E6	193.8E6	48.570	52.949
6)	B beta-BHC	4.529	3.911	71247530	85161237	49.291	51.730
7)	B delta-BHC	4.776	4.140	155.3E6	203.2E6	49.631	52.861
8)	B Heptachlo...	5.688	4.733	133.7E6	175.3E6	48.402	52.473
9)	A Endosulfan I	6.074	5.103	119.3E6	158.5E6	47.680	51.898
10)	B gamma-Chl...	5.944	4.983	127.8E6	176.6E6	48.034	52.537
11)	B alpha-Chl...	6.024	5.047	126.9E6	174.3E6	47.919	52.397
12)	B 4,4'-DDE	6.197	5.236	114.8E6	170.6E6	48.440	52.967
13)	MA Dieldrin	6.349	5.368	125.7E6	177.3E6	47.684	53.076
14)	MA Endrin	6.579	5.643	99835668	147.4E6	43.852	50.946
15)	B Endosulfa...	6.798	5.938	109.4E6	151.4E6	45.903	53.433
16)	A 4,4'-DDD	6.714	5.791	96868751	140.8E6	50.465	56.564
17)	MA 4,4'-DDT	7.028	6.041	91261518	131.2E6	44.093	48.901
18)	B Endrin al...	6.929	6.118	89283331	120.0E6	47.542	51.994
19)	B Endosulfa...	7.163	6.341	100.6E6	140.3E6	46.344	52.024
20)	A Methoxychlor	7.504	6.617	50400892	67024075	44.211	46.935
21)	B Endrin ke...	7.649	6.847	114.6E6	162.0E6	47.299	52.776
22)	Mirex	8.122	7.027	88704518	130.7E6	44.762	50.100

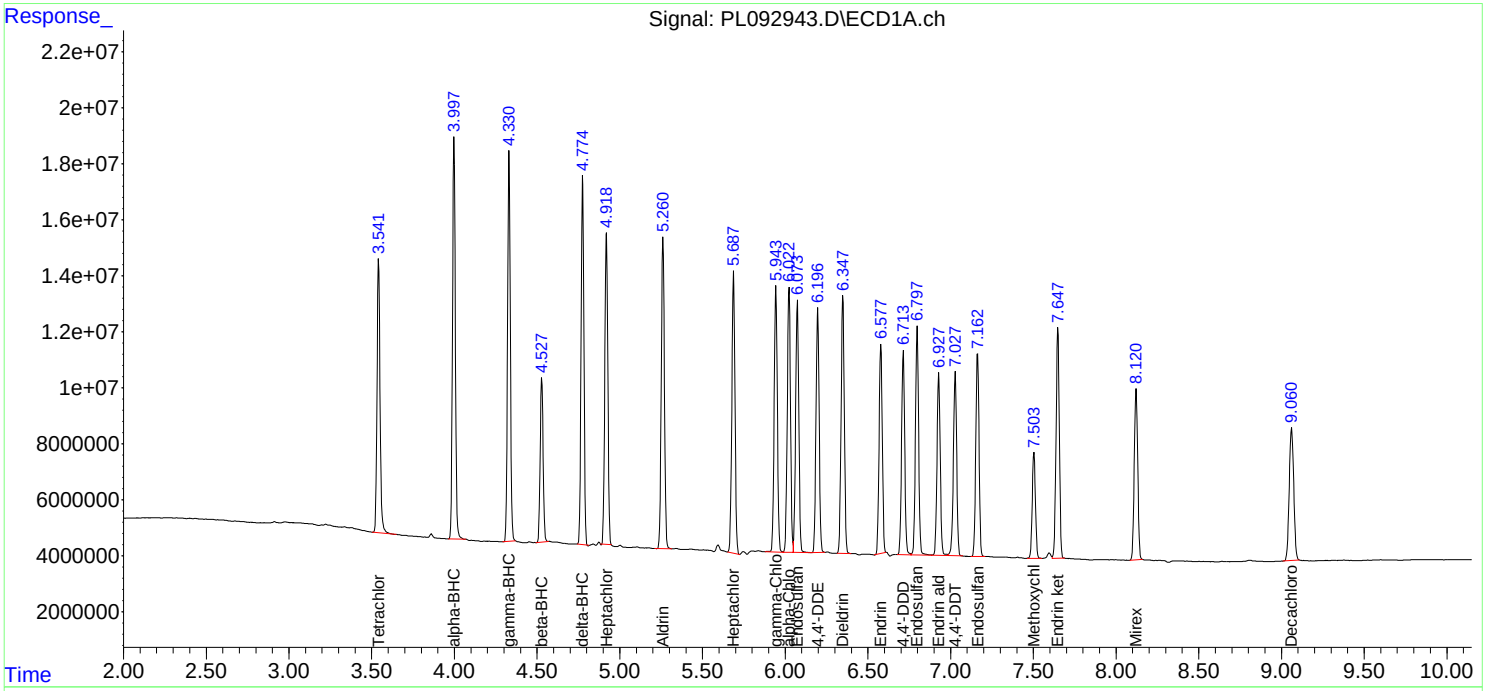
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

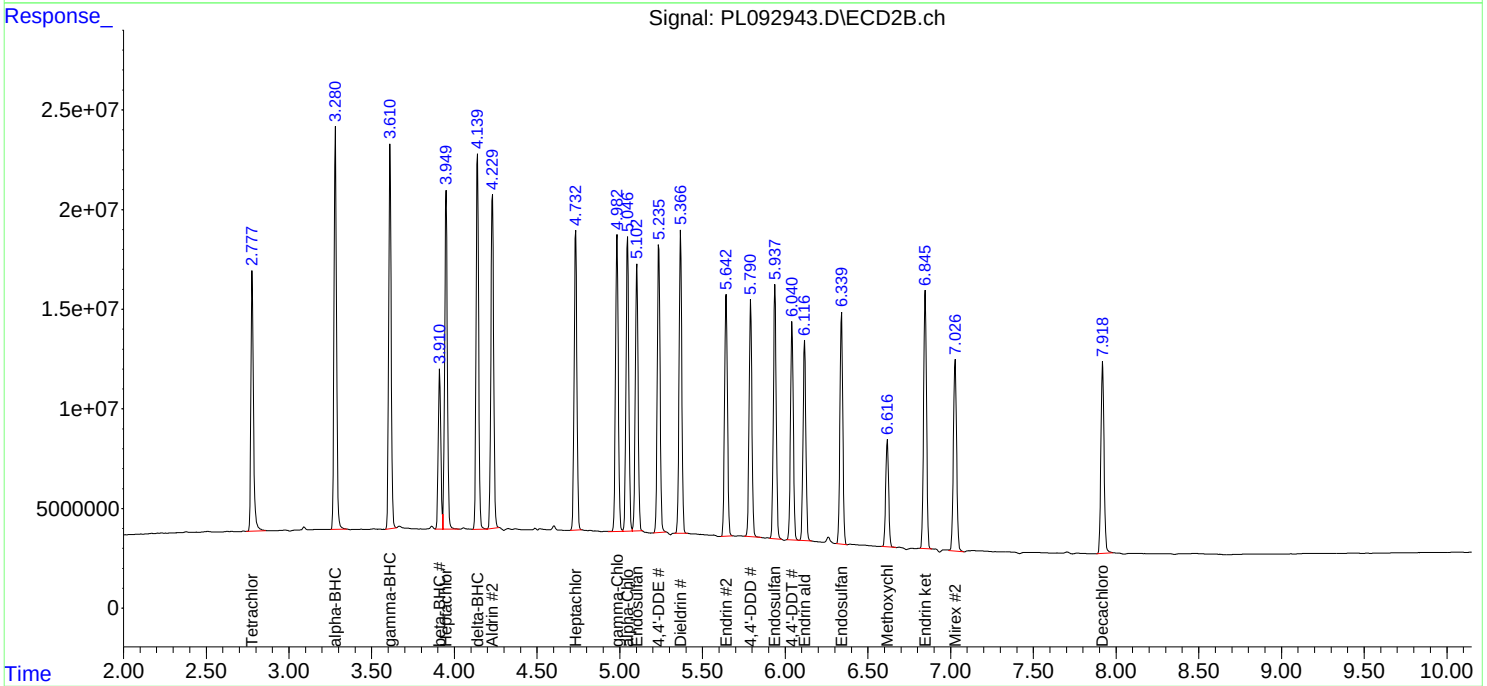
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 11:58
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:46:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL092960.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Continuing Calib Time: 16:49 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	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
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.51	7.50	7.40	7.60	-0.01

Raw Data: **PL092960.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Continuing Calib Time: 16:49 **Initial Calibration Time(s):** 14:43 15:36

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
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

Raw Data: **PL092960.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Client Sample No.: CCAL06 **Date Analyzed:** 11/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092960.D **Time Analyzed:** 16:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.064	8.954	9.154	45.750	50.000	-8.5
Endrin	6.580	6.474	6.674	43.680	50.000	-12.6
gamma-BHC (Lindane)	4.332	4.228	4.428	49.740	50.000	-0.5
Heptachlor	4.921	4.817	5.017	46.230	50.000	-7.5
Heptachlor epoxide	5.689	5.584	5.784	48.040	50.000	-3.9
Methoxychlor	7.506	7.399	7.599	41.600	50.000	-16.8
Tetrachloro-m-xylene	3.543	3.440	3.640	50.620	50.000	1.2

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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Client Sample No.: CCAL06 **Date Analyzed:** 11/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092960.D **Time Analyzed:** 16:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.920	7.816	8.016	47.520	50.000	-5.0
Endrin	5.643	5.541	5.741	51.290	50.000	2.6
gamma-BHC (Lindane)	3.611	3.511	3.711	52.740	50.000	5.5
Heptachlor	3.950	3.849	4.049	49.830	50.000	-0.3
Heptachlor epoxide	4.733	4.632	4.832	52.930	50.000	5.9
Methoxychlor	6.617	6.515	6.715	45.570	50.000	-8.9
Tetrachloro-m-xylene	2.779	2.678	2.878	51.800	50.000	3.6

Quantitation Report (QT Reviewed)

Sample Results: **PL092960.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092960.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 16:49
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 10:53:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.543	2.779	124.0E6	141.0E6	50.619	51.798
28)	SA Decachlor...	9.064	7.920	88051834	129.7E6	45.752	47.517
	Target Compounds						
2)	A alpha-BHC	3.999	3.281	171.3E6	213.1E6	50.514	53.411
3)	MA gamma-BHC...	4.332	3.611	162.1E6	203.6E6	49.737	52.744
4)	MA Heptachlor	4.921	3.950	138.8E6	188.1E6	46.232	49.835
5)	MB Aldrin	5.263	4.230	144.3E6	194.7E6	48.085	53.207
6)	B beta-BHC	4.530	3.911	71636880	86200893	49.560	52.362
7)	B delta-BHC	4.777	4.140	155.9E6	206.2E6	49.813	53.648
8)	B Heptachlo...	5.689	4.733	132.7E6	176.9E6	48.041	52.927
9)	A Endosulfan I	6.075	5.103	119.3E6	155.2E6	47.676	50.821
10)	B gamma-Chl...	5.946	4.983	128.0E6	178.1E6	48.109	52.992
11)	B alpha-Chl...	6.024	5.047	126.8E6	174.4E6	47.864	52.430
12)	B 4,4'-DDE	6.198	5.236	115.1E6	172.6E6	48.594	53.577
13)	MA Dieldrin	6.350	5.368	125.6E6	177.3E6	47.639	53.088
14)	MA Endrin	6.580	5.643	99450260	148.4E6	43.683	51.286
15)	B Endosulfa...	6.800	5.938	108.6E6	150.4E6	45.577	53.069
16)	A 4,4'-DDD	6.715	5.792	98564597	145.0E6	51.348	58.220
17)	MA 4,4'-DDT	7.030	6.042	87059541	125.1E6	42.063	46.650
18)	B Endrin al...	6.930	6.118	86323175	119.2E6	45.966	51.662
19)	B Endosulfa...	7.165	6.341	99290661	141.3E6	45.749	52.381
20)	A Methoxychlor	7.506	6.617	47423563	65070231	41.600	45.566
21)	B Endrin ke...	7.650	6.847	112.6E6	164.3E6	46.474	53.547
22)	Mirex	8.124	7.027	87817537	130.4E6	44.314	49.968

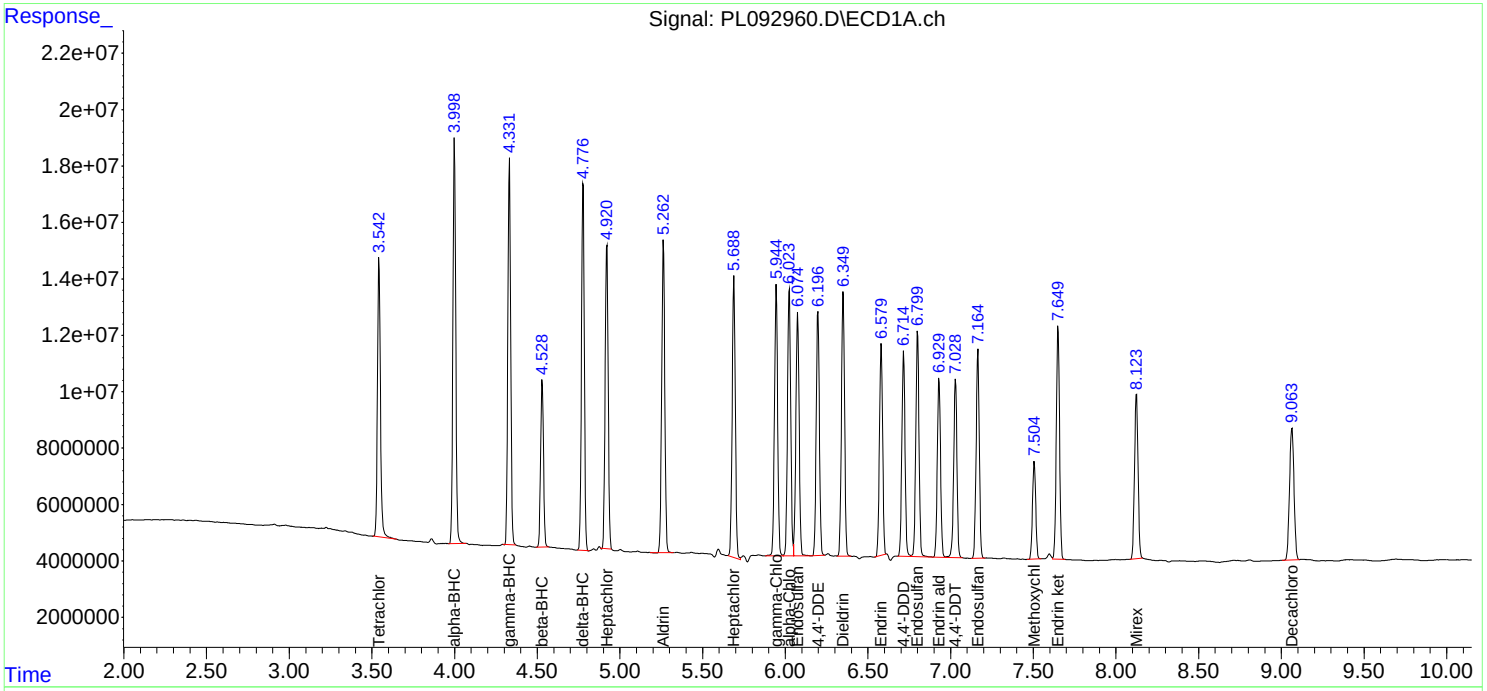
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

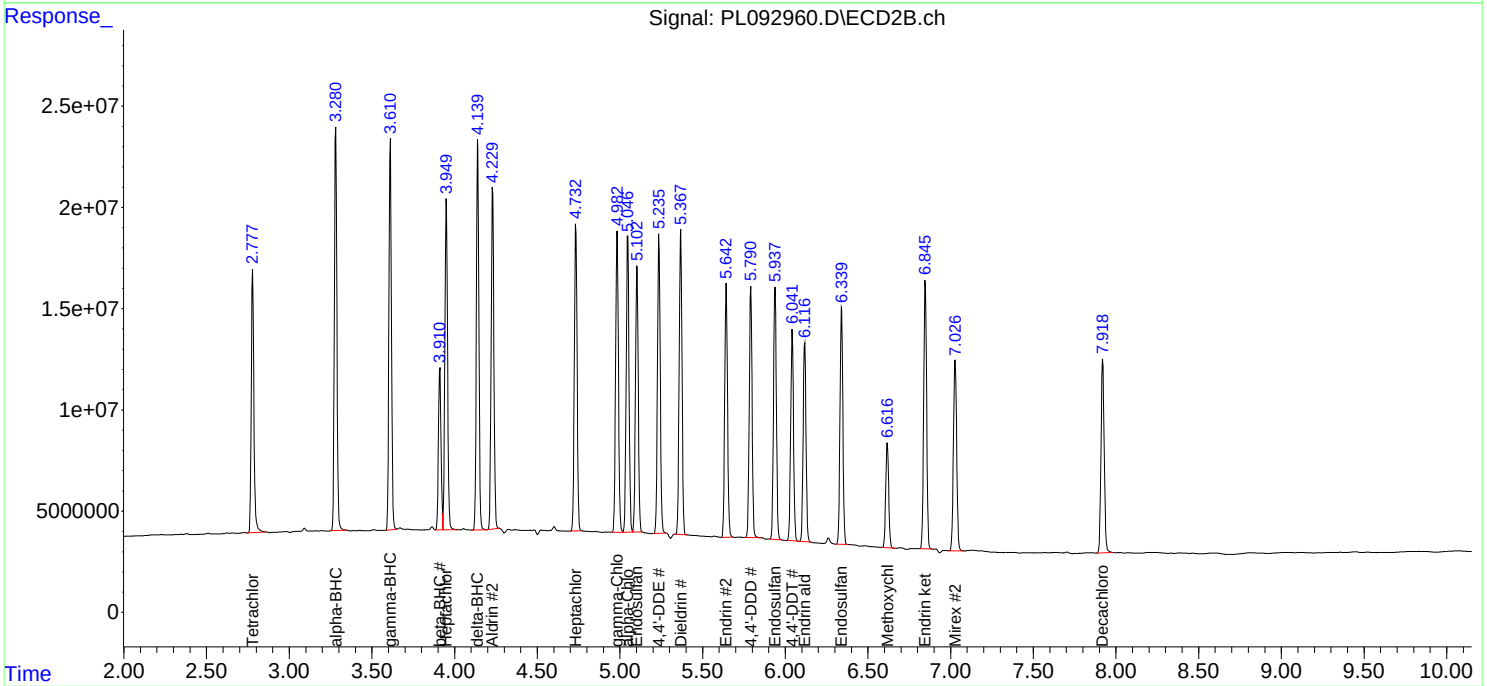
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092960.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 16:49
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 10:53:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

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

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

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

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

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

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

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

PEM

Data File: PL092653.D **Date Acquired** 10/28/2024 14:16

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

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

Column #2

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

DDT BREAK DOWN

Column #1

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

Column #2

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

Quantitation Report (QT Reviewed)

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

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

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

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.546	2.778	47253047	50346316	19.285	18.502
28) SA	Decachlor...	9.059	7.918	38436874	52072459	19.972	19.079
	Target Compounds						
2) A	alpha-BHC	4.001	3.281	33636067	34444224	9.918	8.632
3) MA	gamma-BHC...	4.334	3.611	31492360	32364466	9.662	8.386
6) B	beta-BHC	4.531	3.911	14540729	16063325	10.060	9.758
14) MA	Endrin	6.580	5.643	93472858	127.7E6	41.057	44.131
16) A	4,4'-DDD	6.718	5.791	1426667	1224088	0.743m	0.492m#
17) MA	4,4'-DDT	7.030	6.042	182.3E6	263.1E6	88.060	98.075
18) B	Endrin al...	6.930	6.117	2255619	3697589	1.201	1.603 #
20) A	Methoxychlor	7.505	6.616	232.7E6	322.5E6	204.088	225.801
21) B	Endrin ke...	7.648	6.845	4899018	4908575	2.022	1.600

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

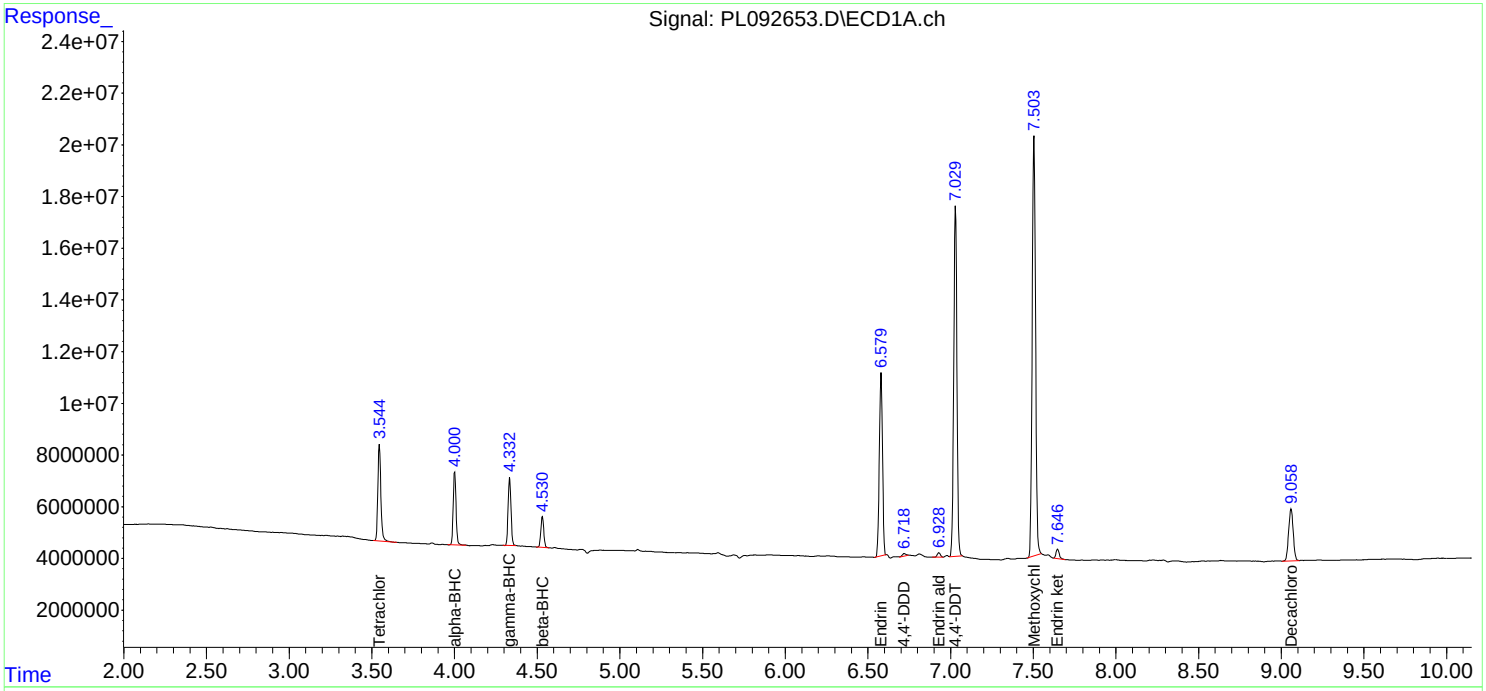
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092653.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:16
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

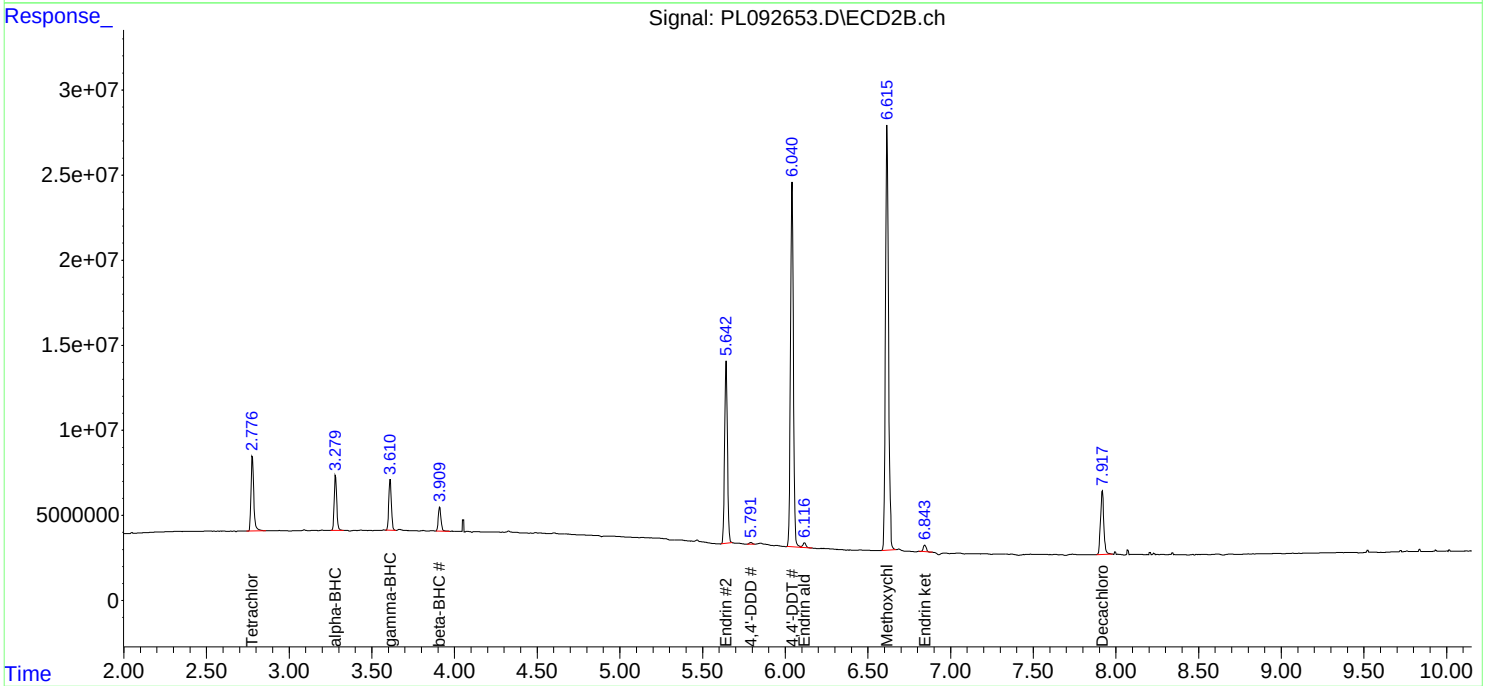
Instrument :
ECD_L
ClientSampleId :
PEM

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

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

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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Client Sample No. (PEM): PEM - PL092887.D **Date Analyzed:** 11/07/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:08

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.057	8.960	9.160	21.710	20.000	8.6
Tetrachloro-m-xylene	3.542	3.490	3.590	22.260	20.000	11.3
alpha-BHC	3.997	3.950	4.050	11.600	10.000	16.0
beta-BHC	4.528	4.480	4.580	11.980	10.000	19.8
gamma-BHC (Lindane)	4.330	4.280	4.380	11.340	10.000	13.4
Endrin	6.577	6.510	6.650	45.790	50.000	-8.4
4,4'-DDT	7.027	6.960	7.100	97.140	100.000	-2.9
Methoxychlor	7.502	7.430	7.570	224.260	250.000	-10.3

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

Client Sample No. (PEM): PEM - PL092887.D **Date Analyzed:** 11/07/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:08

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.917	7.820	8.020	20.800	20.000	4.0
Tetrachloro-m-xylene	2.778	2.730	2.830	21.690	20.000	8.5
alpha-BHC	3.280	3.230	3.330	10.310	10.000	3.1
beta-BHC	3.910	3.860	3.960	11.590	10.000	15.9
gamma-BHC (Lindane)	3.610	3.560	3.660	10.020	10.000	0.2
Endrin	5.642	5.570	5.710	52.890	50.000	5.8
4,4'-DDT	6.040	5.970	6.110	114.780	100.000	14.8
Methoxychlor	6.616	6.550	6.690	254.450	250.000	1.8

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092887.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 11:08
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 11:45:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.542	2.778	54532941	59032672	22.256	21.694
28) SA	Decachlor...	9.057	7.917	41783907	56762202	21.711	20.798
	Target Compounds						
2) A	alpha-BHC	3.997	3.280	39334519	41158533	11.598	10.315
3) MA	gamma-BHC...	4.330	3.610	36968912	38655126	11.342	10.016
6) B	beta-BHC	4.528	3.910	17310933	19076360	11.976	11.588
14) MA	Endrin	6.577	5.642	104.2E6	153.0E6	45.788	52.893
16) A	4,4'-DDD	6.712	5.789	2529946	2743543	1.318	1.102m
17) MA	4,4'-DDT	7.027	6.040	201.1E6	307.9E6	97.141	114.780
18) B	Endrin al...	6.926	6.116	2750556	3457354	1.465	1.498
20) A	Methoxychlor	7.502	6.616	255.7E6	363.4E6	224.255	254.449
21) B	Endrin ke...	7.645	6.842	5780188	6798880	2.386	2.215m

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

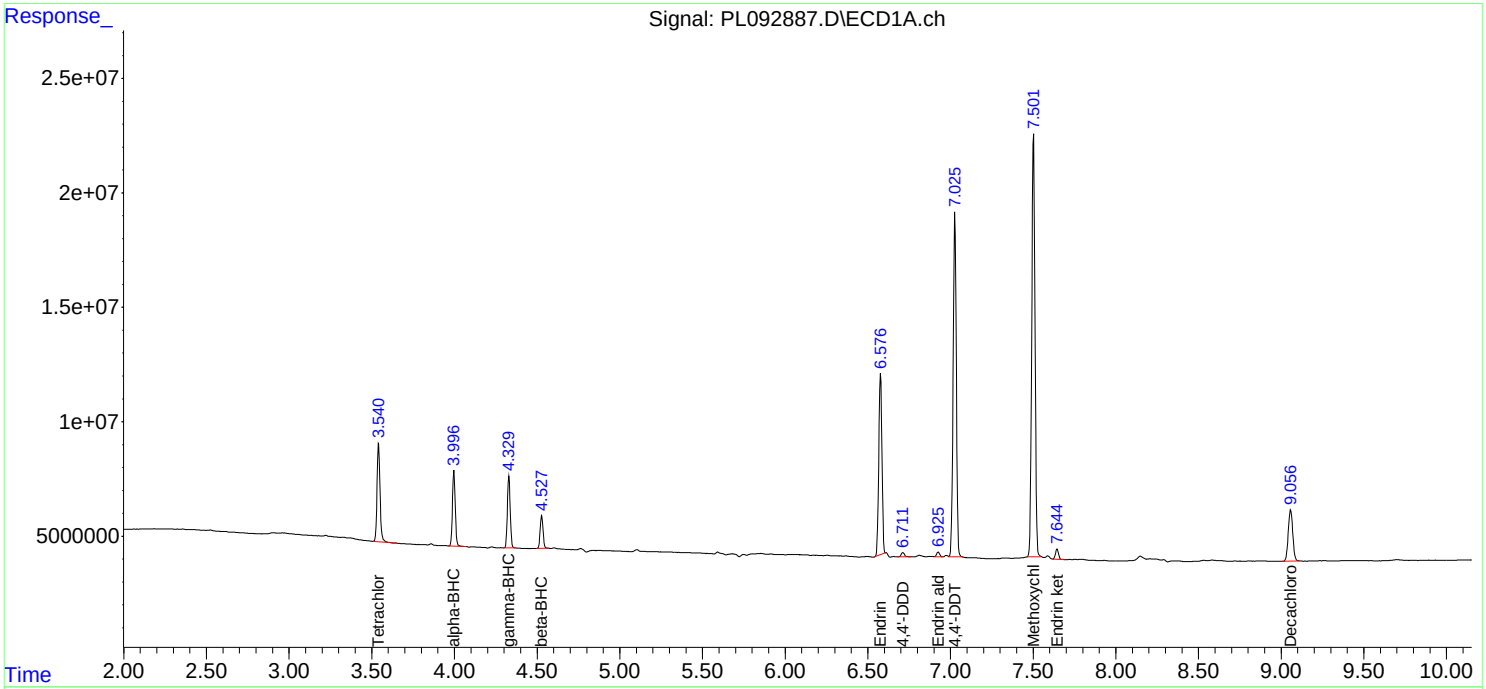
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092887.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 11:08
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

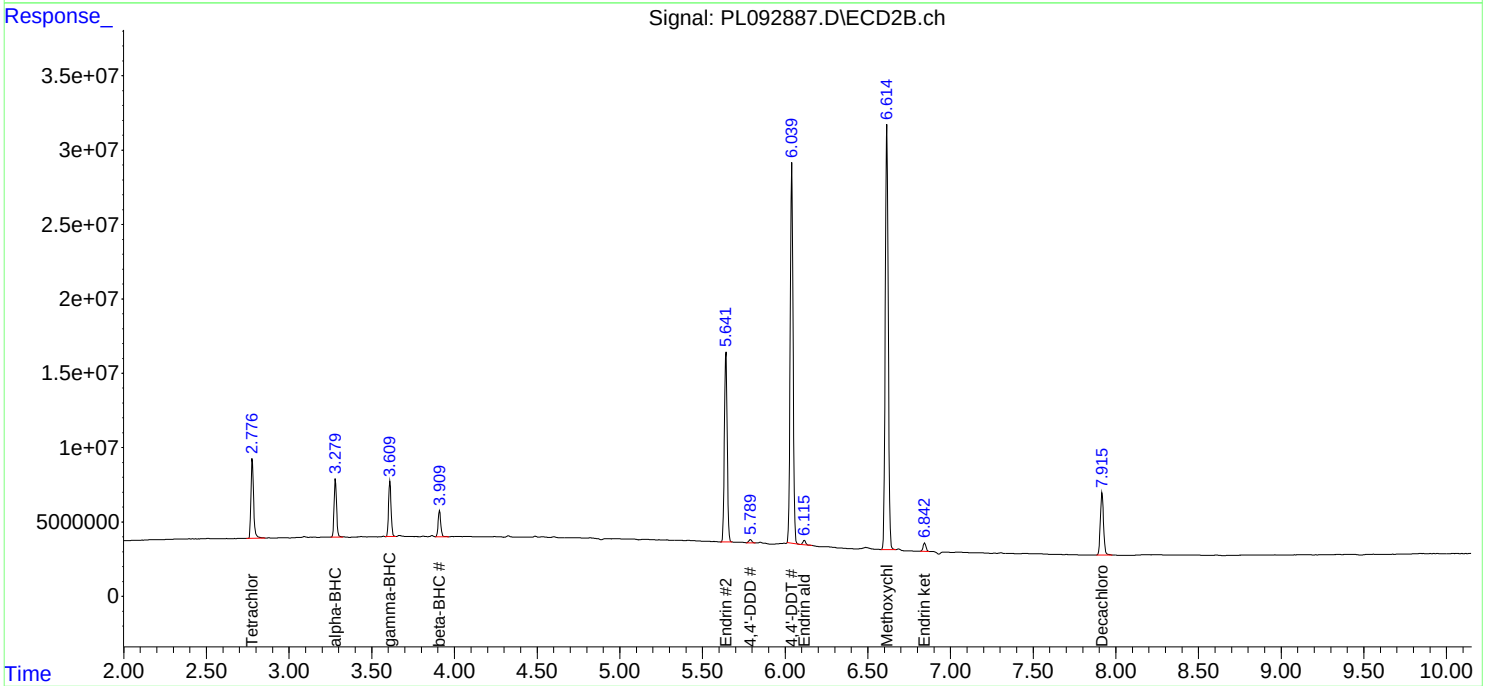
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 11:45:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Client Sample No. (PEM): PEM - PL092919.D **Date Analyzed:** 11/08/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:33

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.062	8.960	9.160	21.540	20.000	7.7
Tetrachloro-m-xylene	3.543	3.490	3.590	22.430	20.000	12.2
alpha-BHC	3.998	3.950	4.050	11.690	10.000	16.9
beta-BHC	4.529	4.480	4.580	12.050	10.000	20.5
gamma-BHC (Lindane)	4.331	4.280	4.380	11.490	10.000	14.9
Endrin	6.579	6.510	6.650	43.830	50.000	-12.3
4,4'-DDT	7.029	6.960	7.100	91.770	100.000	-8.2
Methoxychlor	7.505	7.430	7.580	211.060	250.000	-15.6

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

Client Sample No. (PEM): PEM - PL092919.D **Date Analyzed:** 11/08/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:33

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	21.070	20.000	5.4
Tetrachloro-m-xylene	2.778	2.730	2.830	22.390	20.000	12.0
alpha-BHC	3.281	3.230	3.330	10.750	10.000	7.5
beta-BHC	3.911	3.860	3.960	11.920	10.000	19.2
gamma-BHC (Lindane)	3.611	3.560	3.660	10.310	10.000	3.1
Endrin	5.642	5.570	5.710	52.740	50.000	5.5
4,4'-DDT	6.041	5.970	6.110	113.640	100.000	13.6
Methoxychlor	6.617	6.550	6.690	248.890	250.000	-0.4

PEM

Data File: PL092919.D **Date Acquired** 11/8/2024 11:33

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down** Down
Endrin	6.58	99775877.96	111804072.6	12028194.7	**10.76**
Endrin aldehyde	6.93	3721799.725			
Endrin ketone	7.65	8306394.932			

Column #2

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down**
Endrin #2	5.64	152582451.1	167525211.3	14942760.2	**8.92**
Endrin aldehyde #2	6.12	4259337.44			
Endrin ketone #2	6.85	10683422.74			

DDT BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT	7.03	189949118.3	198000803.2	8051684.9	**4.07**
4,4'-DDE	6.19	356982.877			
4,4'-DDD	6.71	7694702.02			

Column #2

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT #2	6.04	304805130.1	313844631.3	9039501.26	**2.88**
4,4'-DDE #2	5.24	421957.566			
4,4'-DDD #2	5.79	8617543.691			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110824\
Data File : PL092919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 11:33
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/11/2024
Supervised By :Ankita Jodhani 11/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 22:07:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.543	2.778	54964960	60918086	22.433	22.387
28)	SA Decachlor...	9.062	7.918	41464134	57495090	21.545	21.066
	Target Compounds						
2)	A alpha-BHC	3.998	3.281	39637397	42879863	11.687	10.746
3)	MA gamma-BHC...	4.331	3.611	37455405	39773265	11.491	10.305
6)	B beta-BHC	4.529	3.911	17413180	19624414	12.047	11.921
12)	B 4,4'-DDE	6.193	5.236	356983	421958	0.151m	0.131
14)	MA Endrin	6.579	5.642	99775878	152.6E6	43.826	52.742
16)	A 4,4'-DDD	6.714	5.790	7694702	8617544	4.009	3.461
17)	MA 4,4'-DDT	7.029	6.041	189.9E6	304.8E6	91.774	113.637
18)	B Endrin al...	6.928	6.117	3721800	4259337	1.982	1.846
20)	A Methoxychlor	7.505	6.617	240.6E6	355.4E6	211.059	248.889
21)	B Endrin ke...	7.648	6.846	8306395	10683423	3.428	3.481

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

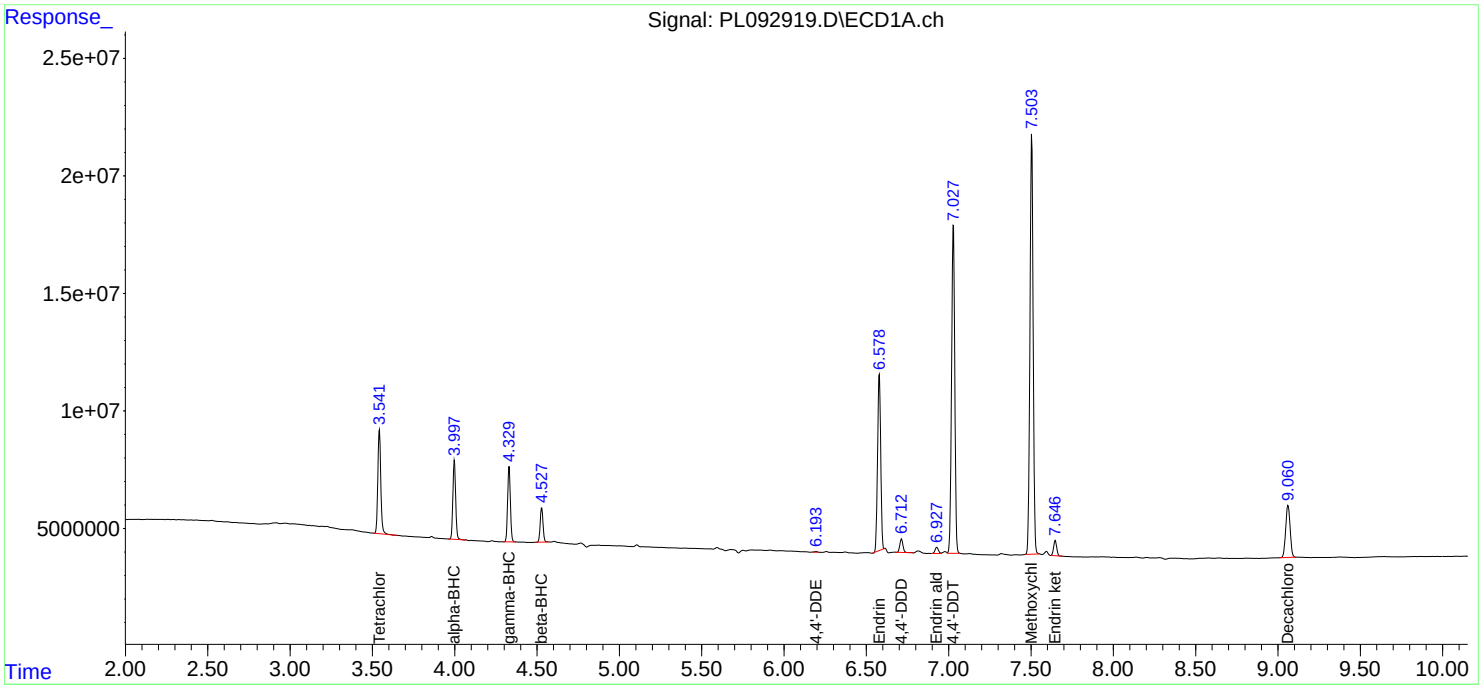
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110824\
Data File : PL092919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 11:33
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

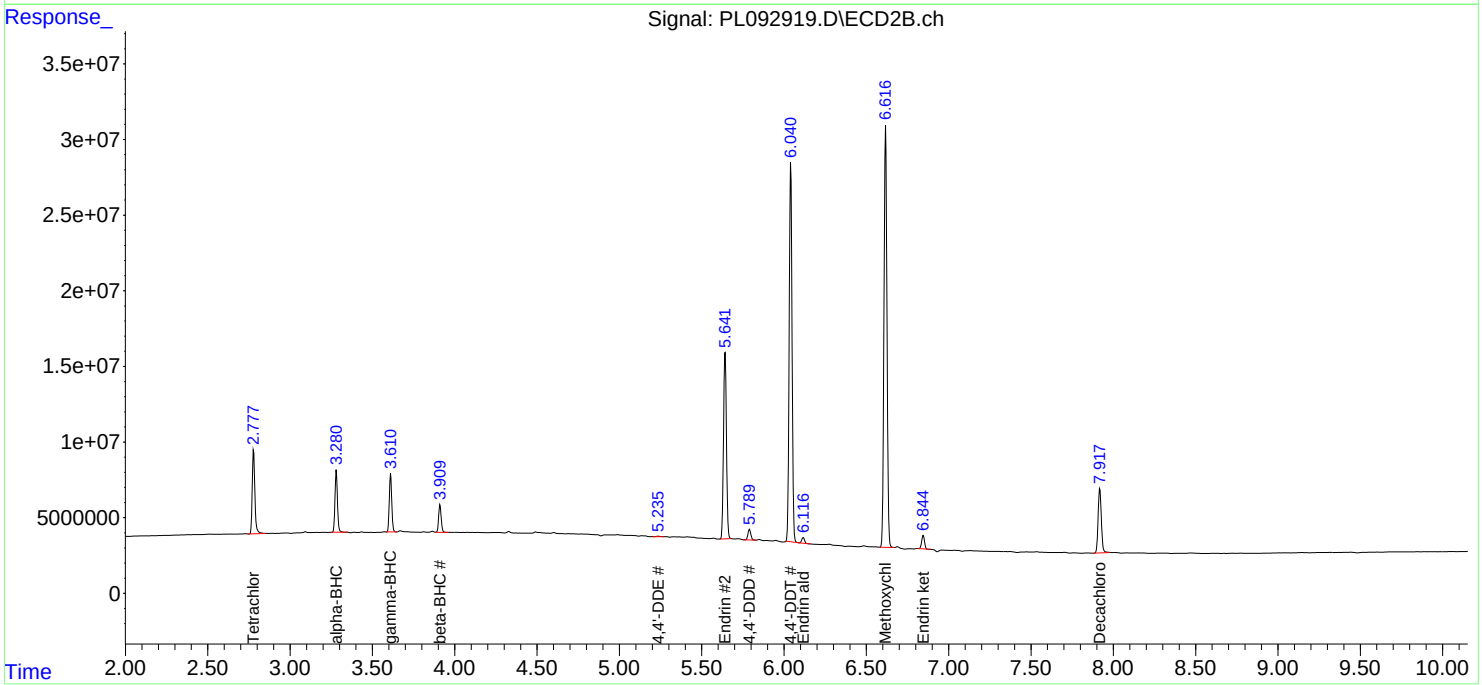
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/11/2024
Supervised By :Ankita Jodhani 11/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 22:07:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

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

Client Sample No. (PEM): PEM - PL092942.D **Date Analyzed:** 11/11/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:49

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.061	8.960	9.160	20.400	20.000	2.0
Tetrachloro-m-xylene	3.542	3.490	3.590	22.810	20.000	14.1
alpha-BHC	3.998	3.950	4.050	11.770	10.000	17.7
beta-BHC	4.529	4.480	4.580	12.130	10.000	21.3
gamma-BHC (Lindane)	4.331	4.280	4.380	11.570	10.000	15.7
Endrin	6.578	6.510	6.650	42.290	50.000	-15.4
4,4'-DDT	7.028	6.960	7.100	86.420	100.000	-13.6
Methoxychlor	7.504	7.430	7.570	198.890	250.000	-20.4

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

Client Sample No. (PEM): PEM - PL092942.D **Date Analyzed:** 11/11/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:49

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	19.450	20.000	-2.8
Tetrachloro-m-xylene	2.778	2.730	2.830	22.330	20.000	11.7
alpha-BHC	3.280	3.230	3.330	10.690	10.000	6.9
beta-BHC	3.911	3.860	3.960	11.740	10.000	17.4
gamma-BHC (Lindane)	3.611	3.560	3.660	10.280	10.000	2.8
Endrin	5.643	5.570	5.710	50.510	50.000	1.0
4,4'-DDT	6.041	5.970	6.110	105.500	100.000	5.5
Methoxychlor	6.616	6.550	6.690	225.180	250.000	-9.9

PEM

Data File: PL092942.D **Date Acquired** 11/11/2024 9:49

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
					Down
Endrin	6.58	96281762.2	108954642.7	12672880.5	**11.63**
Endrin aldehyde	6.93	3802056.774			
Endrin ketone	7.65	8870823.735			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	146111707.9	163263678	17151970.2	**10.51**
Endrin aldehyde #2	6.12	4630327.901			
Endrin ketone #2	6.84	12521642.29			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	178860819.4	189469176.5	10608357.1	**5.60**
4,4'-DDE	6.19	604610.345			
4,4'-DDD	6.71	10003746.73			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.04	282978517.3	295209956.9	12231439.5	**4.14**
4,4'-DDE #2	5.23	556896.234			
4,4'-DDD #2	5.79	11674543.31			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092942.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 09:49
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:44:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.778	55891869	60760662	22.811	22.329
28)	SA Decachlor...	9.061	7.918	39263888	53083659	20.402	19.450
	Target Compounds						
2)	A alpha-BHC	3.998	3.280	39926493	42665186	11.772	10.693
3)	MA gamma-BHC...	4.331	3.611	37717199	39666101	11.571	10.278
6)	B beta-BHC	4.529	3.911	17529188	19320729	12.127	11.736
12)	B 4,4'-DDE	6.195	5.235	604610	556896	0.255m	0.173m#
14)	MA Endrin	6.578	5.643	96281762	146.1E6	42.291	50.505
16)	A 4,4'-DDD	6.713	5.791	10003747	11674543	5.212	4.688
17)	MA 4,4'-DDT	7.028	6.041	178.9E6	283.0E6	86.417	105.500
18)	B Endrin al...	6.928	6.116	3802057	4630328	2.025	2.007
20)	A Methoxychlor	7.504	6.616	226.7E6	321.6E6	198.895	225.177
21)	B Endrin ke...	7.648	6.845	8870824	12521642	3.661	4.080

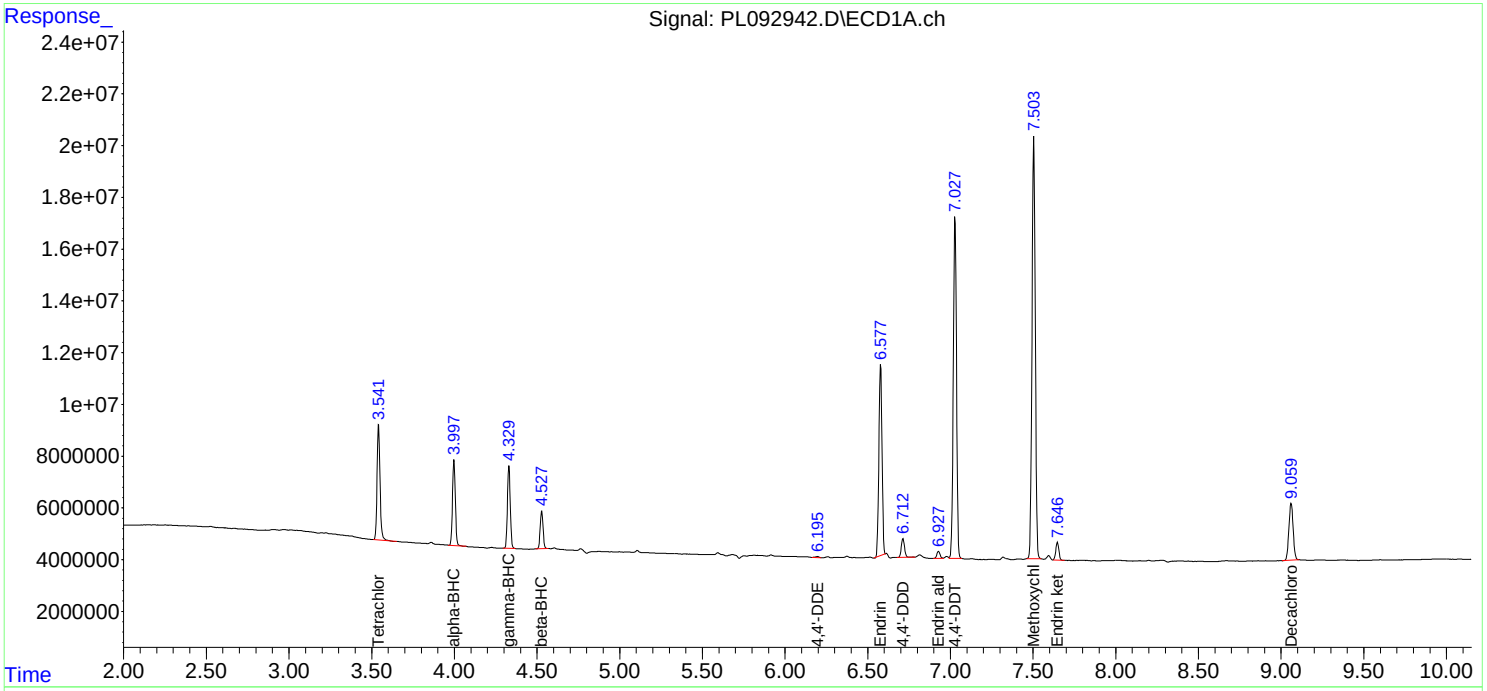
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

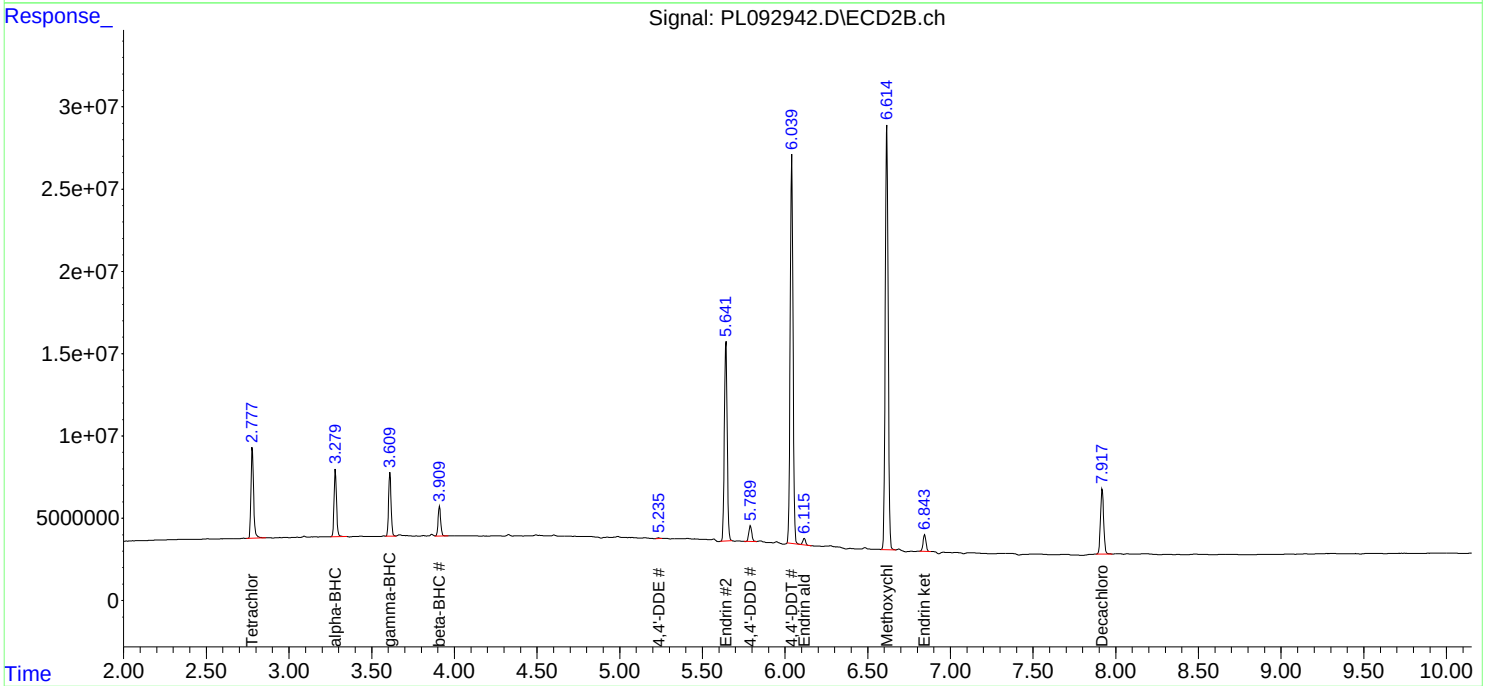
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092942.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 09:49
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:44:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Chromatographic Resolution Report

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

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

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

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

Signal #2

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

Quantitation Report (QT Reviewed)

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

Instrument :
ECD_L
ClientSampleId :
RESCHK

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.540	2.778	48587926	52085719	19.830	19.141
28) SA	Decachlor...	9.054	7.916	38629596	53476121	20.072	19.594
	Target Compounds						
9) A	Endosulfan I	6.070	5.102	26602716	28047383	10.635	9.186
10) B	gamma-Chl...	5.940	4.982	28607831	32626788	10.752	9.705
12) B	4,4'-DDE	6.193	5.235	47717989	61582025	20.141	19.115
13) MA	Dieldrin	6.345	5.366	51856039	61668549	19.676	18.462
19) B	Endosulfa...	7.158	6.338	40592527	50485467	18.703	18.720
20) A	Methoxychlor	7.499	6.615	100.3E6	134.2E6	87.976	93.949
21) B	Endrin ke...	7.643	6.844	47240044	57600618	19.498	18.770

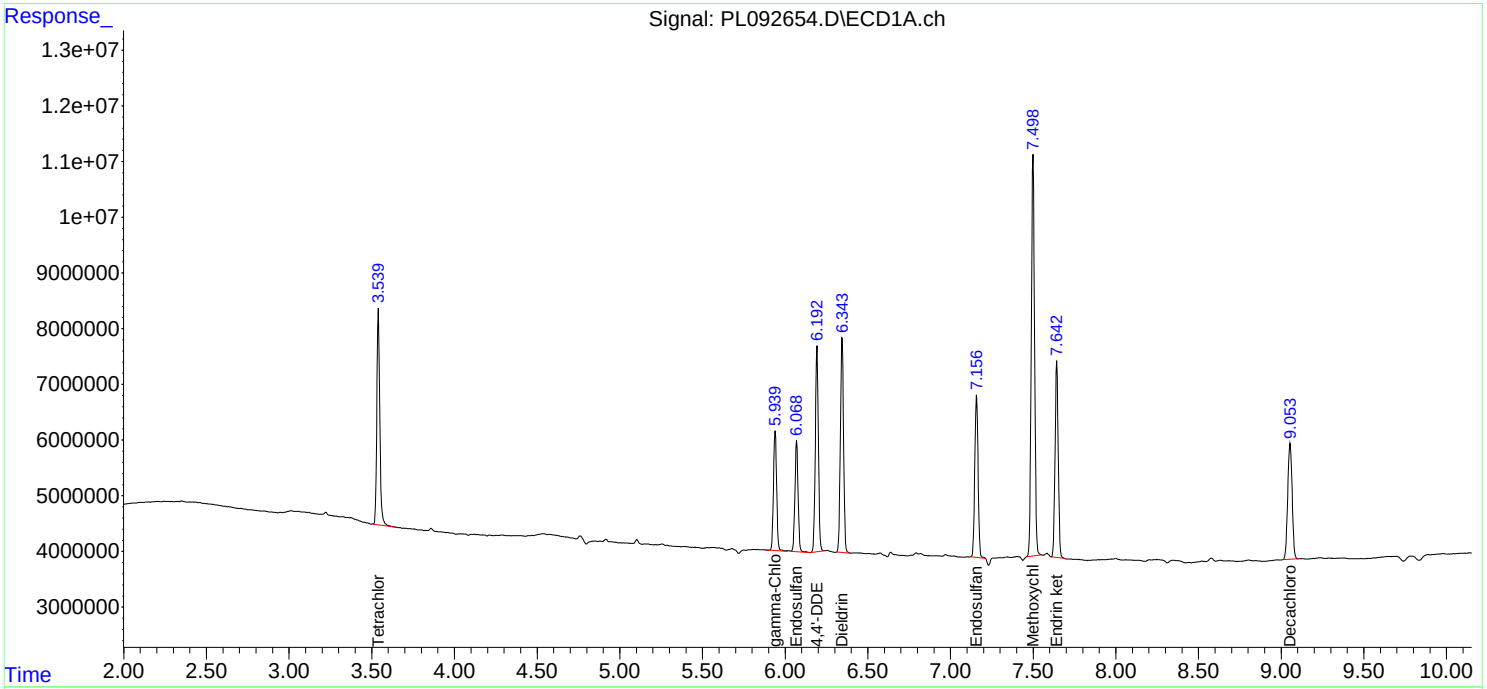
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

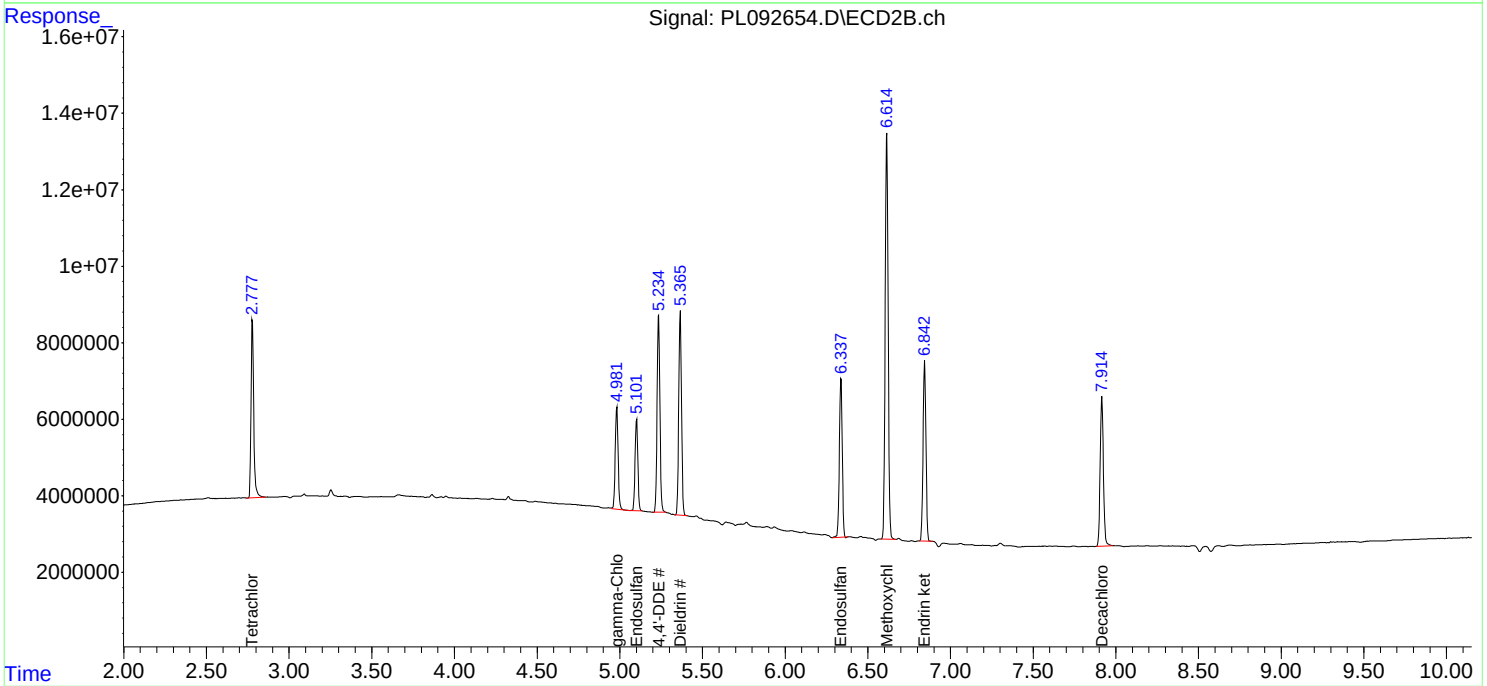
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092654.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:29
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

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

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





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

Analytical Sequence

Client: ENTACT **SDG No.:** P4660

Project: 540 Degraw St, Brooklyn, NY - E9309 **Instrument ID:** ECD_L

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/28/2024	13:55	PL092652.D	9.05	3.54
PEM	PEM	10/28/2024	14:16	PL092653.D	9.06	3.55
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	9.05	3.54
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	9.05	3.54
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	9.05	3.54
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	9.05	3.54
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	9.05	3.54
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	9.05	3.54
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	9.06	3.54
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	9.05	3.54
I.BLK	I.BLK	11/07/2024	09:34	PL092886.D	9.06	3.54
PEM	PEM	11/07/2024	11:08	PL092887.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/07/2024	11:21	PL092888.D	9.06	3.54
WC-TA2-01-C	P4660-03	11/07/2024	11:35	PL092889.D	9.06	3.54
WC-WOOD-01-C	P4660-07	11/07/2024	11:49	PL092890.D	9.06	3.54
WC-CONCRETE-01-C	P4660-11	11/07/2024	12:03	PL092891.D	9.06	3.54
PB164753BL	PB164753BL	11/07/2024	12:44	PL092894.D	9.06	3.54
PB164560TB	PB164560TB	11/07/2024	13:38	PL092896.D	9.07	3.55
I.BLK	I.BLK	11/07/2024	15:15	PL092903.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/07/2024	15:29	PL092904.D	9.06	3.54
I.BLK	I.BLK	11/08/2024	11:19	PL092918.D	9.07	3.55
PEM	PEM	11/08/2024	11:33	PL092919.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/08/2024	12:14	PL092920.D	9.07	3.55
PB164753BS	PB164753BS	11/08/2024	12:56	PL092921.D	9.07	3.55
I.BLK	I.BLK	11/08/2024	17:36	PL092938.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/08/2024	17:49	PL092939.D	9.06	3.54
I.BLK	I.BLK	11/11/2024	09:35	PL092941.D	9.06	3.54
PEM	PEM	11/11/2024	09:49	PL092942.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/11/2024	11:58	PL092943.D	9.06	3.54
WC-TA2-01-CMS	P4660-03MS	11/11/2024	13:08	PL092948.D	9.06	3.54
WC-TA2-01-CMSD	P4660-03MSD	11/11/2024	13:26	PL092949.D	9.07	3.54
I.BLK	I.BLK	11/11/2024	16:35	PL092959.D	9.07	3.55
PSTDCCC050	PSTDCCC050	11/11/2024	16:49	PL092960.D	9.06	3.54

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

Analytical Sequence

Client: ENTACT **SDG No.:** P4660

Project: 540 Degraw St, Brooklyn, NY - E9309 **Instrument ID:** ECD_L

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/28/2024	13:55	PL092652.D	7.92	2.78
PEM	PEM	10/28/2024	14:16	PL092653.D	7.92	2.78
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	7.92	2.78
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	7.92	2.78
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	7.92	2.78
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	7.92	2.78
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	7.92	2.78
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	7.92	2.78
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	7.92	2.78
I.BLK	I.BLK	11/07/2024	09:34	PL092886.D	7.92	2.78
PEM	PEM	11/07/2024	11:08	PL092887.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/07/2024	11:21	PL092888.D	7.92	2.78
WC-TA2-01-C	P4660-03	11/07/2024	11:35	PL092889.D	7.92	2.78
WC-WOOD-01-C	P4660-07	11/07/2024	11:49	PL092890.D	7.92	2.78
WC-CONCRETE-01-C	P4660-11	11/07/2024	12:03	PL092891.D	7.92	2.78
PB164753BL	PB164753BL	11/07/2024	12:44	PL092894.D	7.92	2.78
PB164560TB	PB164560TB	11/07/2024	13:38	PL092896.D	7.92	2.78
I.BLK	I.BLK	11/07/2024	15:15	PL092903.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/07/2024	15:29	PL092904.D	7.92	2.78
I.BLK	I.BLK	11/08/2024	11:19	PL092918.D	7.92	2.78
PEM	PEM	11/08/2024	11:33	PL092919.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/08/2024	12:14	PL092920.D	7.92	2.78
PB164753BS	PB164753BS	11/08/2024	12:56	PL092921.D	7.92	2.78
I.BLK	I.BLK	11/08/2024	17:36	PL092938.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/08/2024	17:49	PL092939.D	7.92	2.78
I.BLK	I.BLK	11/11/2024	09:35	PL092941.D	7.92	2.78
PEM	PEM	11/11/2024	09:49	PL092942.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/11/2024	11:58	PL092943.D	7.92	2.78
WC-TA2-01-CMS	P4660-03MS	11/11/2024	13:08	PL092948.D	7.92	2.78
WC-TA2-01-CMSD	P4660-03MSD	11/11/2024	13:26	PL092949.D	7.92	2.78
I.BLK	I.BLK	11/11/2024	16:35	PL092959.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/11/2024	16:49	PL092960.D	7.92	2.78

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164753BS

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

Lab Sample ID: PB164753BS **Date(s) Analyzed:** 11/08/2024 11/08/2024

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
Heptachlor epoxide	1	5.70	5.65	5.75	0.49	8.9
	2	4.73	4.68	4.78	0.53	
Endrin	1	6.58	6.53	6.63	0.46	15.6
	2	5.65	5.60	5.70	0.54	
Methoxychlor	1	7.51	7.46	7.56	0.49	7.6
	2	6.62	6.57	6.67	0.53	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	0.48	5
	2	3.61	3.56	3.66	0.51	
Heptachlor	1	4.93	4.88	4.98	0.50	5.9
	2	3.95	3.90	4.00	0.53	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-TA2-01-CMS

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

Lab Sample ID: P4660-03MS **Date(s) Analyzed:** 11/11/2024 11/11/2024

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
Methoxychlor	1	7.50	7.45	7.55	4.60	8.3
	2	6.62	6.57	6.67	5.00	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	4.50	4.3
	2	3.61	3.56	3.66	4.70	
Heptachlor	1	4.92	4.87	4.97	4.90	5.9
	2	3.95	3.90	4.00	5.20	
Heptachlor epoxide	1	5.69	5.64	5.74	4.80	9.9
	2	4.73	4.68	4.78	5.30	
Endrin	1	6.58	6.53	6.63	4.70	17.5
	2	5.64	5.59	5.69	5.60	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-TA2-01-CMSD

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

Lab Sample ID: P4660-03MSD **Date(s) Analyzed:** 11/11/2024 11/11/2024

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
Methoxychlor	1	7.51	7.46	7.56	4.60	8.3
	2	6.62	6.57	6.67	5.00	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	4.50	2.2
	2	3.61	3.56	3.66	4.60	
Heptachlor	1	4.92	4.87	4.97	4.80	6.1
	2	3.95	3.90	4.00	5.10	
Heptachlor epoxide	1	5.69	5.64	5.74	4.90	5.9
	2	4.73	4.68	4.78	5.20	
Endrin	1	6.58	6.53	6.63	4.80	15.4
	2	5.64	5.59	5.69	5.60	

QC SAMPLE DATA

Raw Data: **PL092894.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB164753BL	SDG No.:	P4660
Lab Sample ID:	PB164753BL	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092894.D	1	11/06/24 10:35	11/07/24 12:44	PB164753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
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
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		30 (43) - 150 (140)	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		30 (77) - 150 (126)	105%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092894.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 12:44
Operator : AR\AJ
Sample : PB164753BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164753BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 23:46:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.541	2.778	51506916	55563327	21.021	20.419
28)	SA Decachlor...	9.058	7.917	42664727	60147268	22.169	22.038
	Target Compounds						

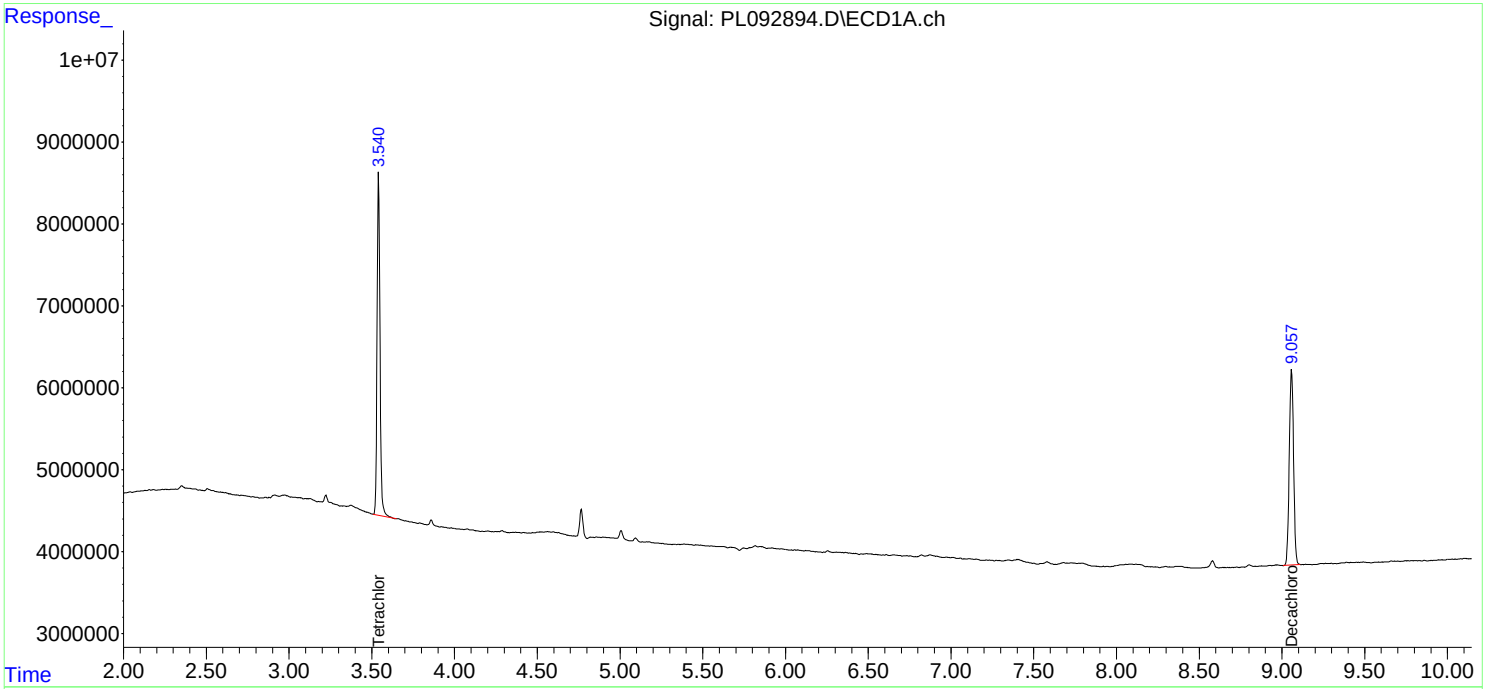
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

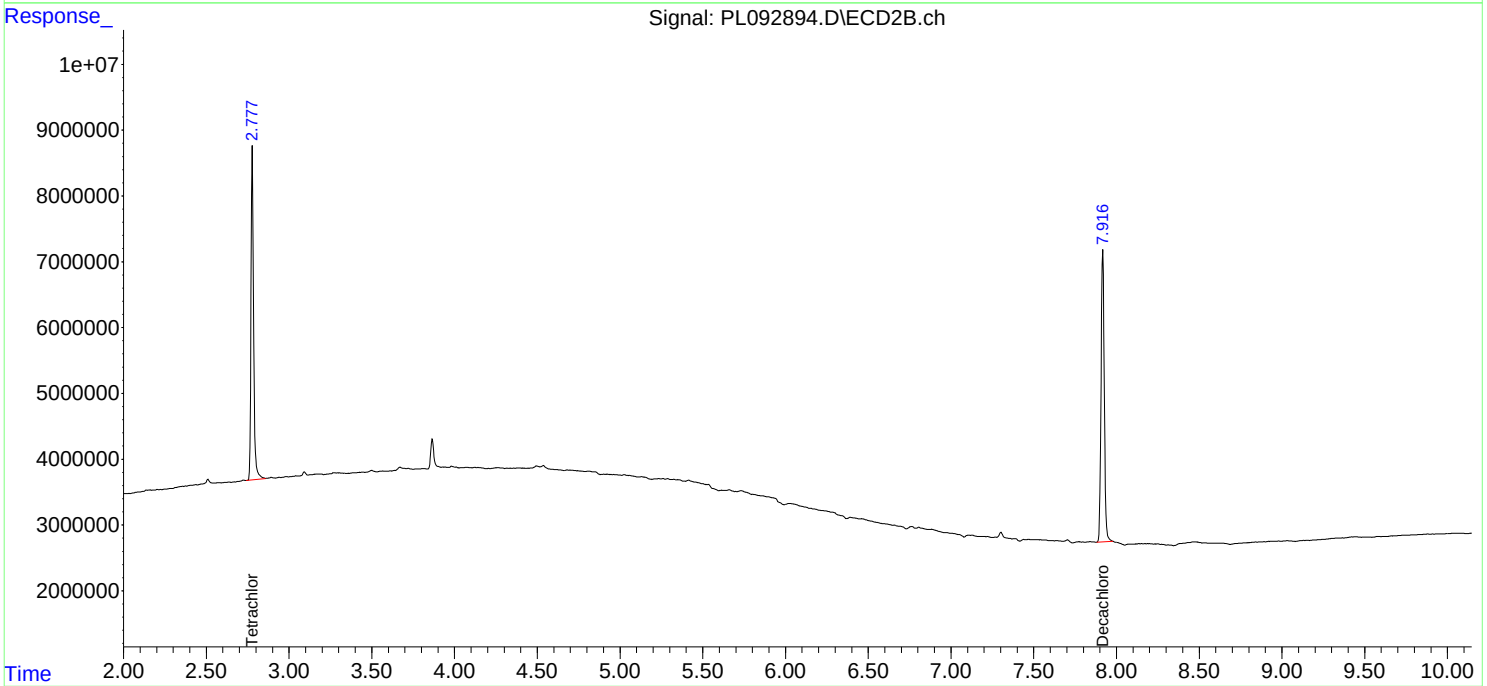
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 12:44
Operator : AR\AJ
Sample : PB164753BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

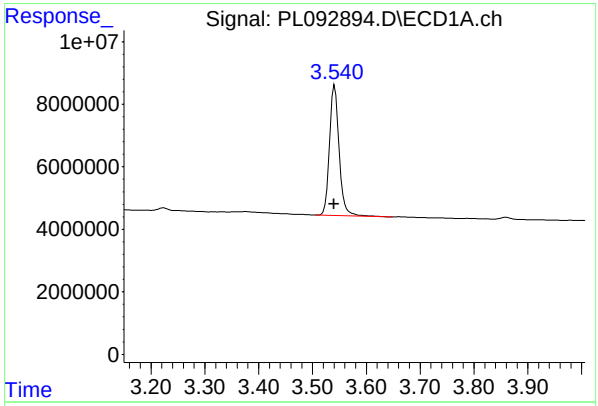
Instrument :
ECD_L
ClientSampleId :
PB164753BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 23:46:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



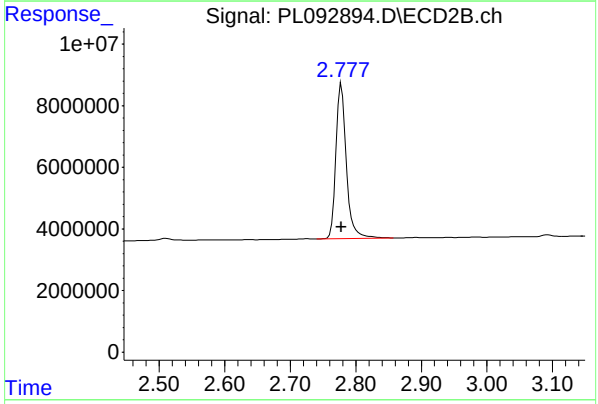




#1 Tetrachloro-m-xylene

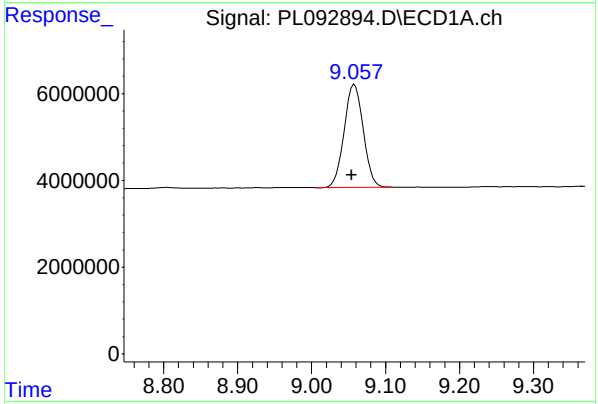
R.T.: 3.541 min
Delta R.T.: 0.001 min
Response: 51506916
Conc: 21.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164753BL



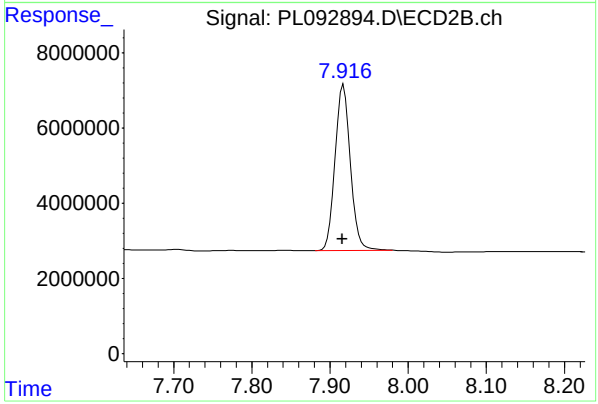
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 55563327
Conc: 20.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.004 min
Response: 42664727
Conc: 22.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.001 min
Response: 60147268
Conc: 22.04 ng/ml

Raw Data: **PL092652.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	10/28/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/28/24
Client Sample ID:	PIBLK-PL092652.D	SDG No.:	P4660
Lab Sample ID:	I.BLK-PL092652.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092652.D	1		10/28/24	PL102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
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
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		30 (43) - 150 (140)	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		30 (77) - 150 (126)	108%	SPK: 20

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: **PL092652.D**

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

Instrument :
ECD_L
ClientSampleId :
I.BLK

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.777	52846066	55504223	21.568	20.397
28)	SA Decachlor...	9.052	7.915	43705517	59287776	22.709	21.723
	Target Compounds						

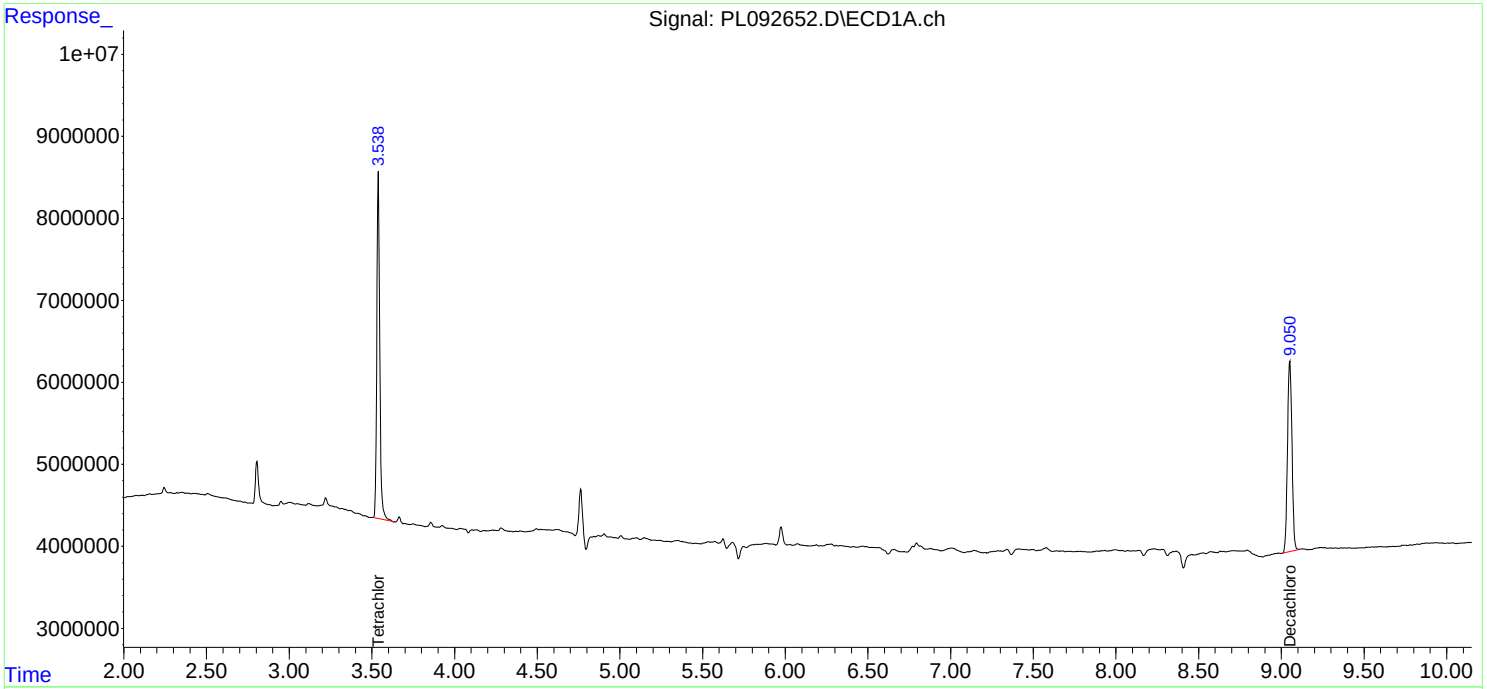
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

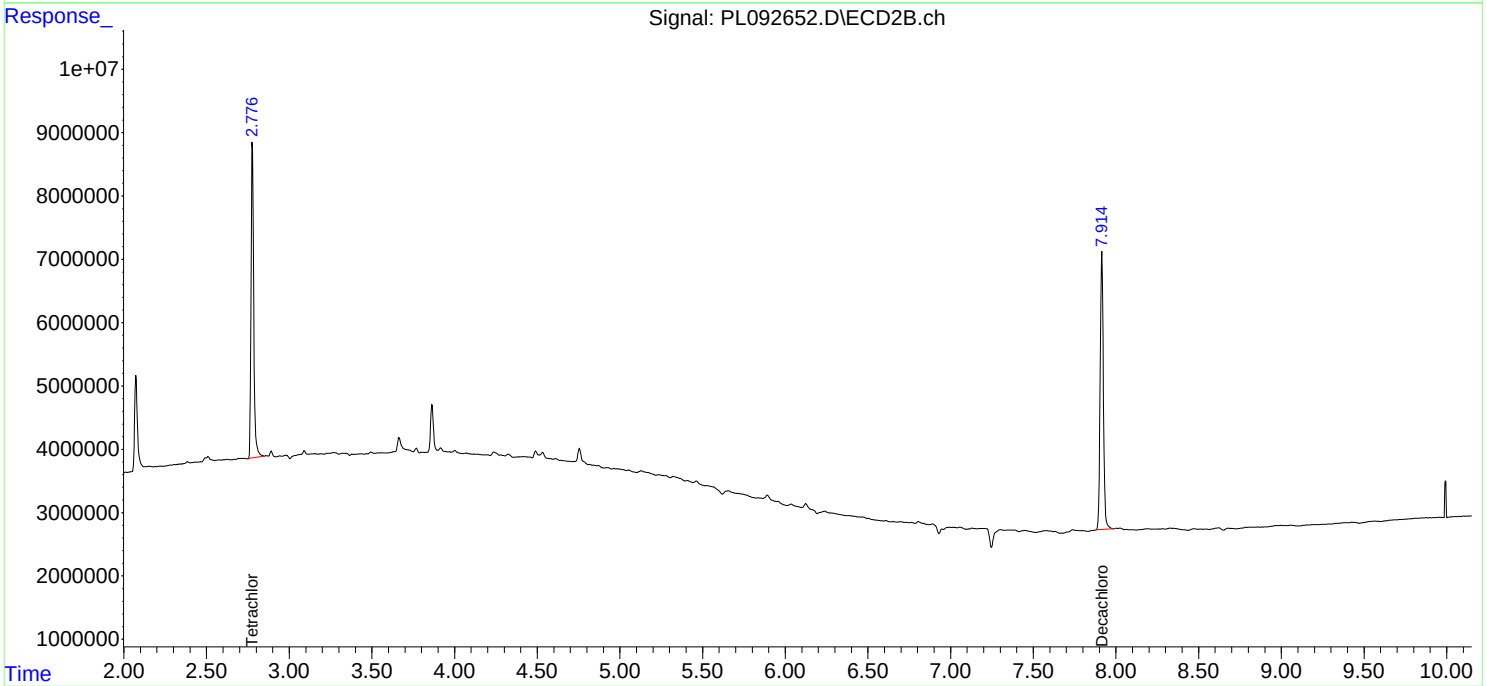
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092652.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 13:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

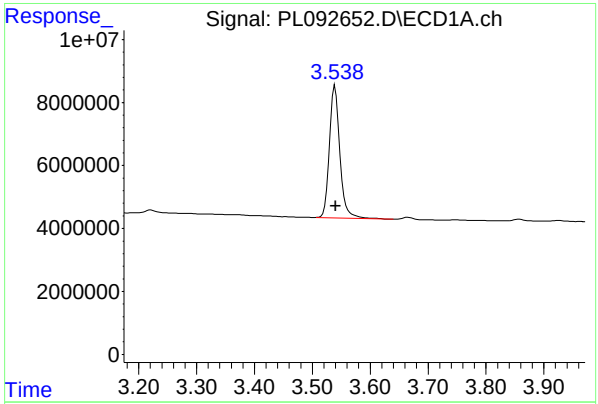
Instrument :
ECD_L
ClientSampleId :
I.BLK

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

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



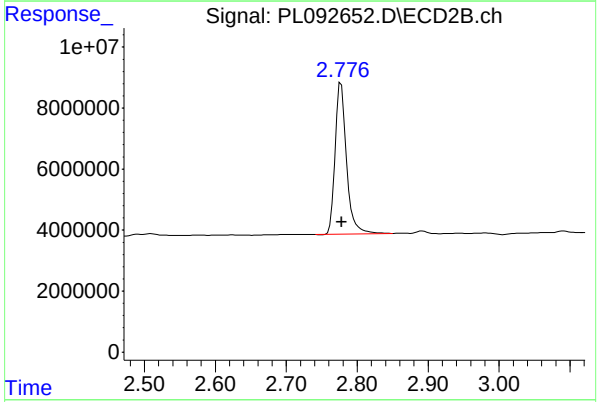




#1 Tetrachloro-m-xylene

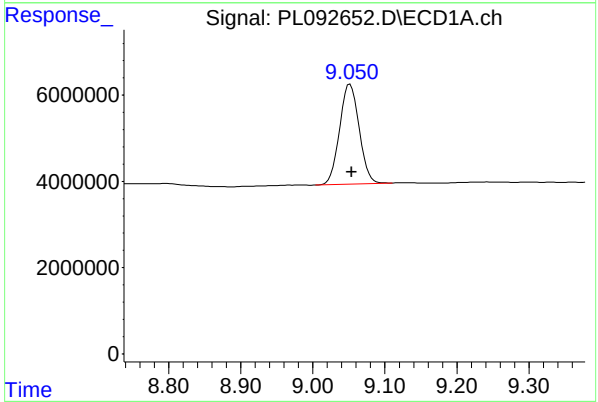
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 52846066
Conc: 21.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



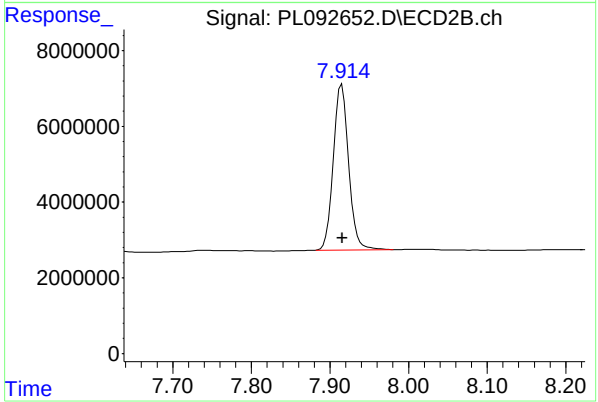
#1 Tetrachloro-m-xylene

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



#28 Decachlorobiphenyl

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



#28 Decachlorobiphenyl

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

Raw Data: **PL092886.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	11/07/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092886.D	SDG No.:	P4660
Lab Sample ID:	I.BLK-PL092886.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092886.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
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
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.5		30 (43) - 150 (140)	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		30 (77) - 150 (126)	102%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092886.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 09:34
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 10:55:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.778	49882338	53079846	20.358	19.506
28)	SA Decachlor...	9.059	7.917	39490679	52329036	20.519	19.173
	Target Compounds						

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

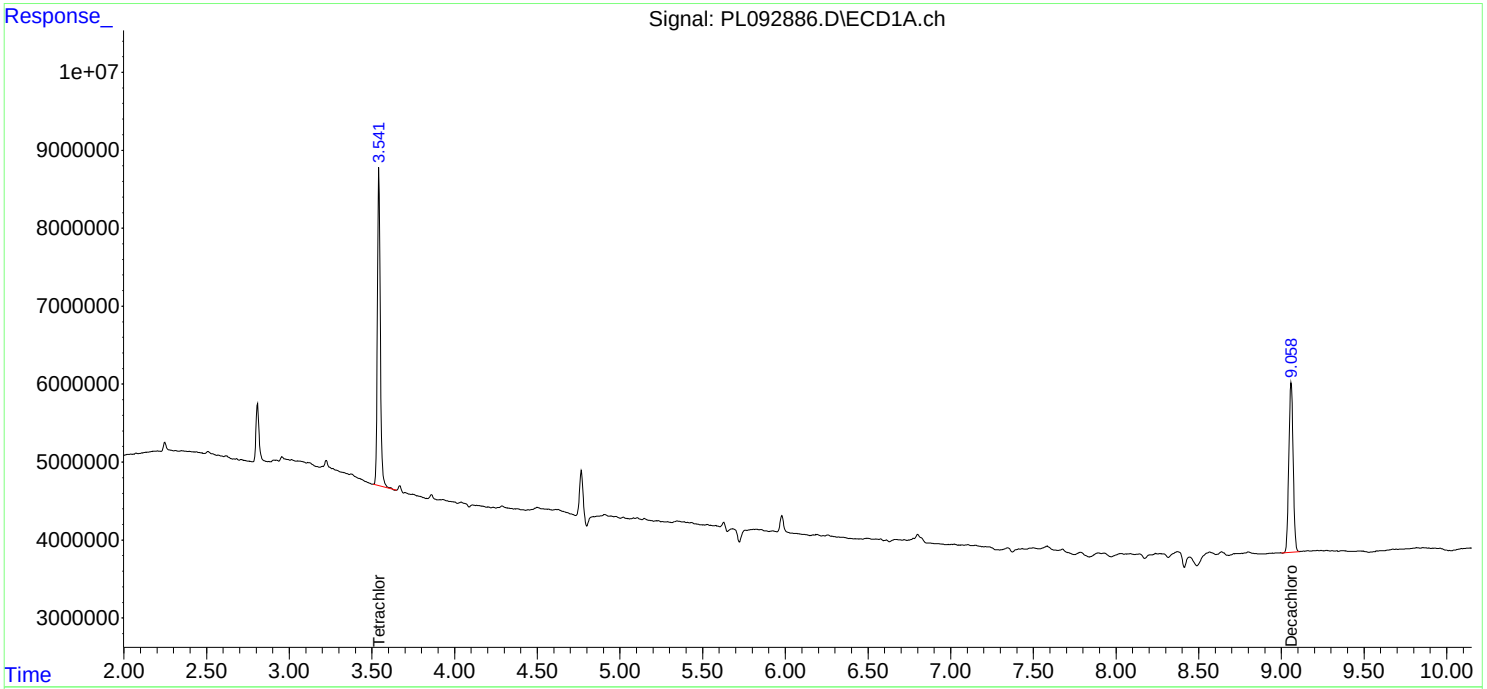
Sample Results: **PL092886.D**

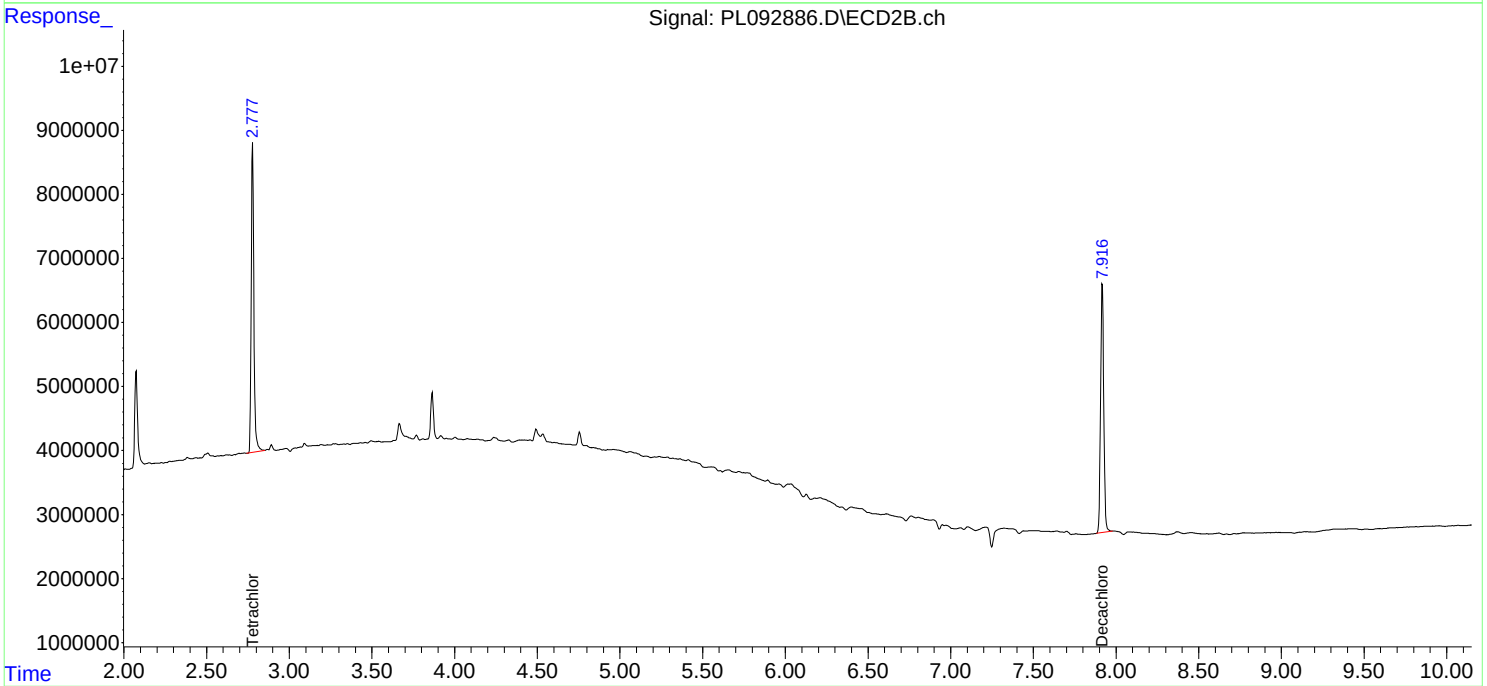
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 09:34
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

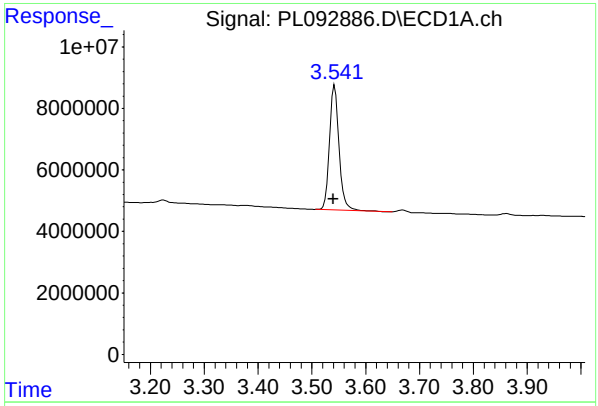
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 10:55:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



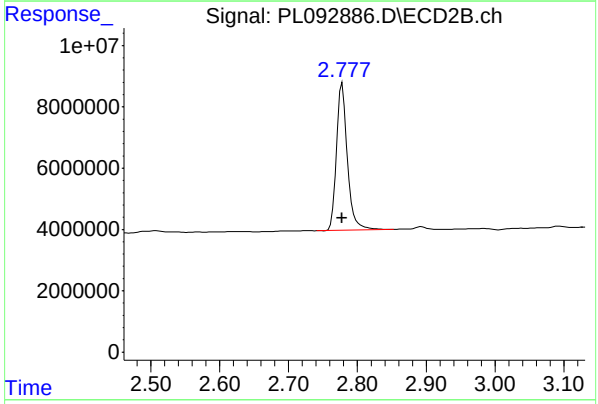




#1 Tetrachloro-m-xylene

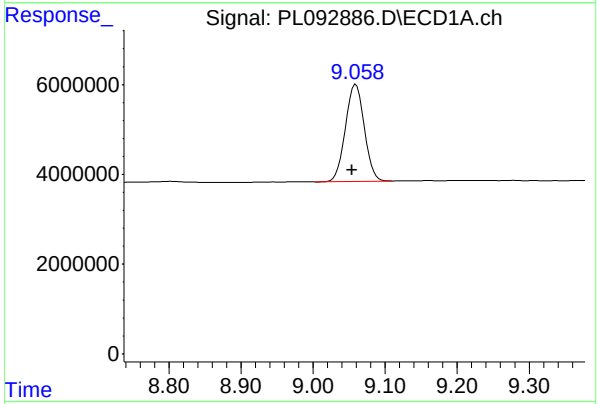
R.T.: 3.542 min
Delta R.T.: 0.002 min
Response: 49882338
Conc: 20.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



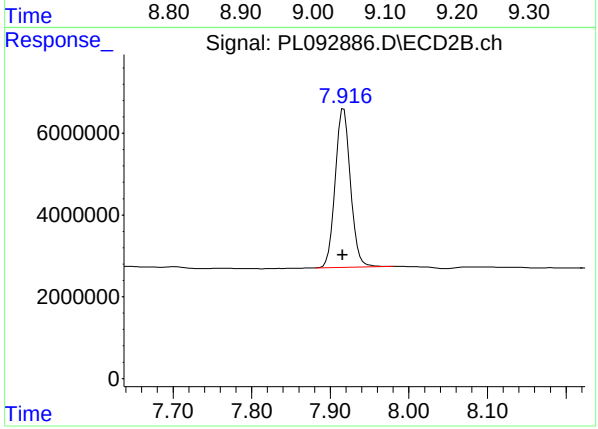
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 53079846
Conc: 19.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.005 min
Response: 39490679
Conc: 20.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.001 min
Response: 52329036
Conc: 19.17 ng/ml

Raw Data: **PL092903.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	11/07/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092903.D	SDG No.:	P4660
Lab Sample ID:	I.BLK-PL092903.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092903.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
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
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.5		30 (43) - 150 (140)	92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		30 (77) - 150 (126)	103%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092903.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 15:15
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 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 23:54:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.777	50249023	52864691	20.508	19.427m
28)	SA Decachlor...	9.056	7.917	35550708	46333825	18.472m	16.977
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092903.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 15:15
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

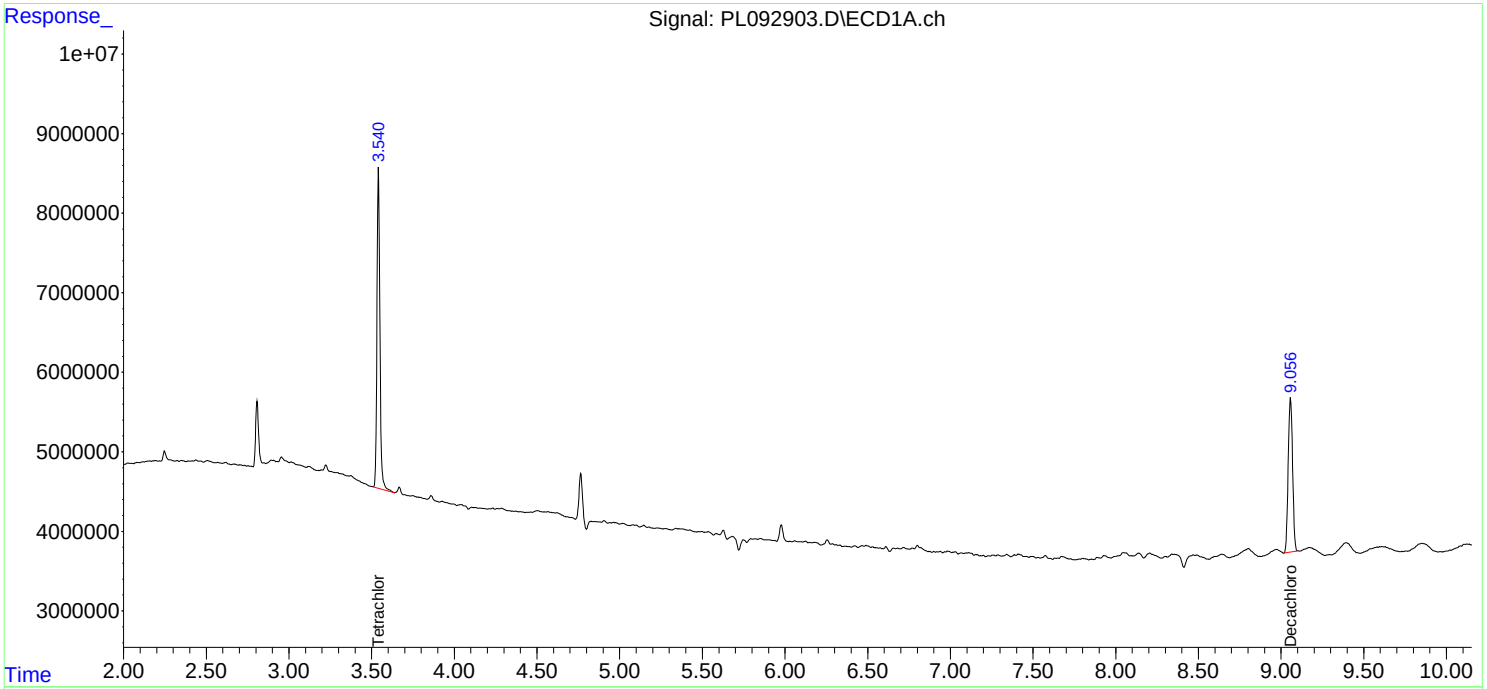
Instrument :
ECD_L
ClientSampleId :
I.BLK

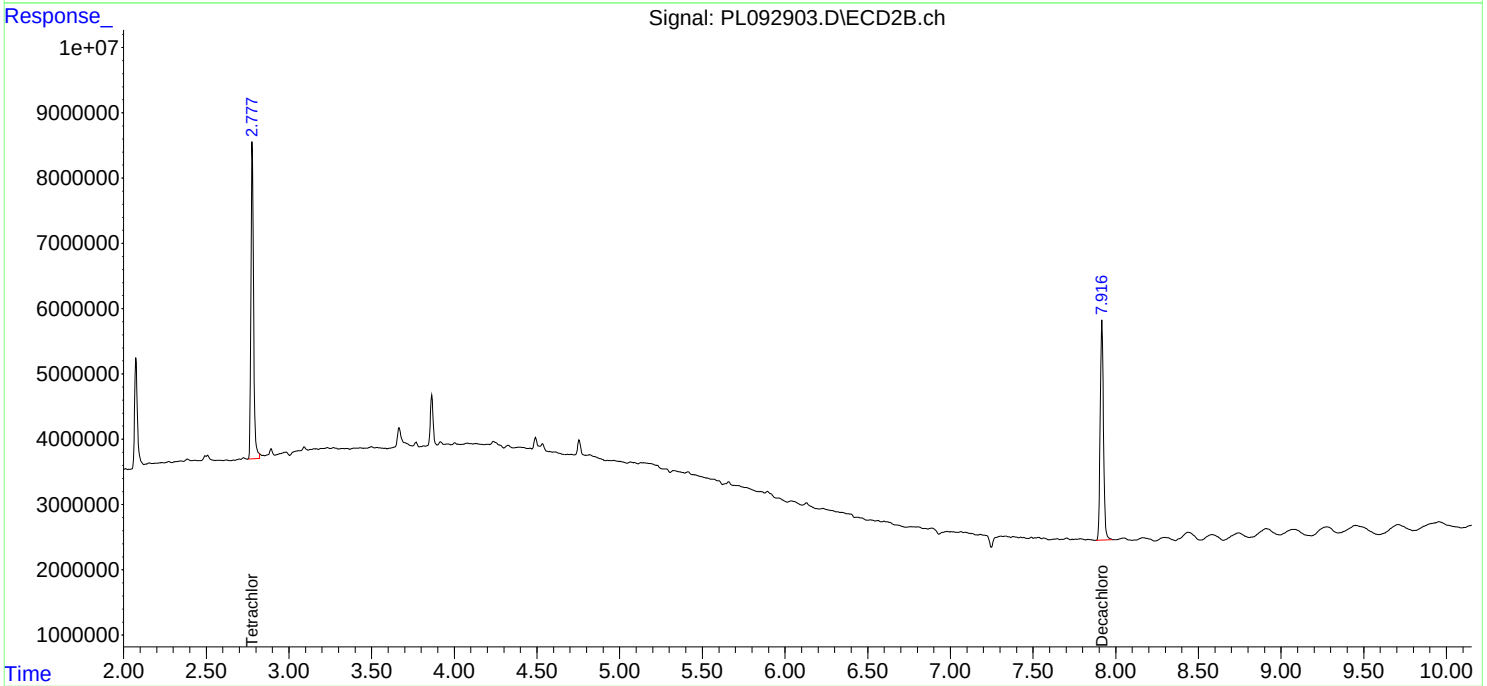
Manual Integrations APPROVED

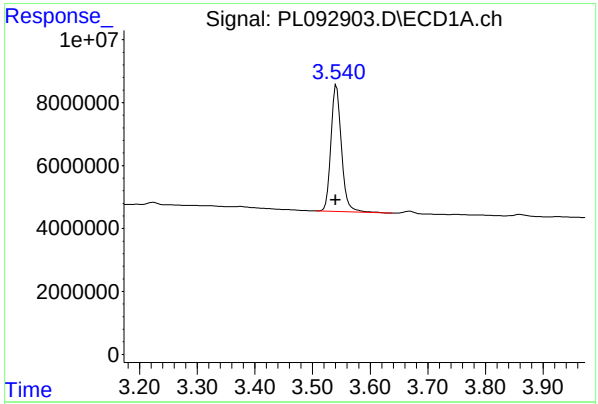
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 23:54:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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







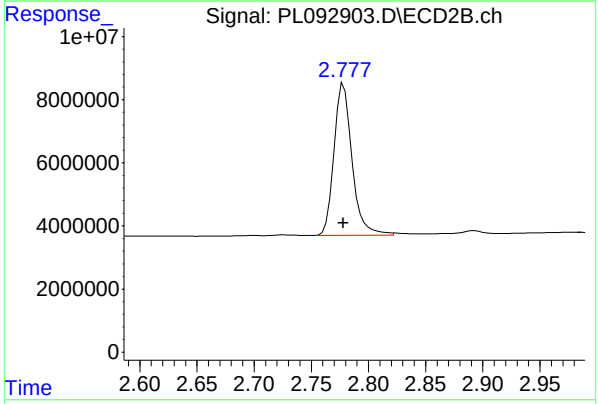
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: 0.002 mi
Response: 50249023
Conc: 20.51 ng/m

Instrument :
ECD_L
ClientSampleId :
I.BLK

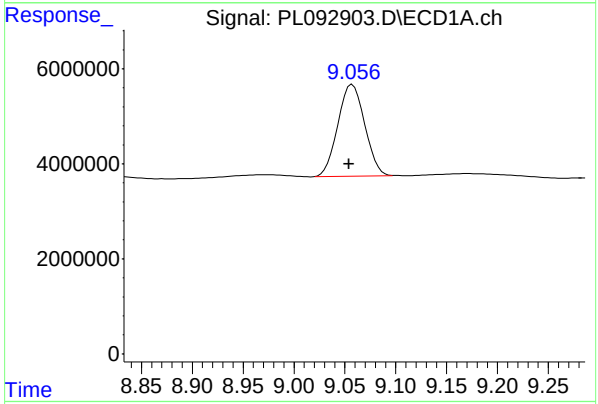
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



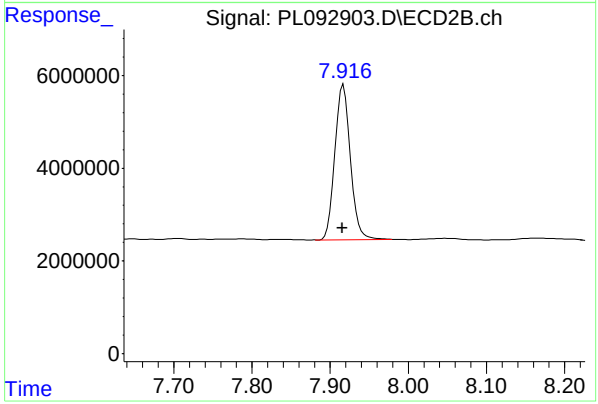
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 52864691
Conc: 19.43 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.002 min
Response: 35550708
Conc: 18.47 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.001 min
Response: 46333825
Conc: 16.98 ng/ml

Raw Data: **PL092918.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	11/08/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	PIBLK-PL092918.D	SDG No.:	P4660
Lab Sample ID:	I.BLK-PL092918.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092918.D	1		11/08/24	PL110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
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
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.8		30 (43) - 150 (140)	109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		30 (77) - 150 (126)	108%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110824\
Data File : PL092918.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 11:19
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 22:06:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.779	52997766	56954063	21.630	20.930
28)	SA Decachlor...	9.068	7.921	42033497	58716624	21.841	21.514
	Target Compounds						

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

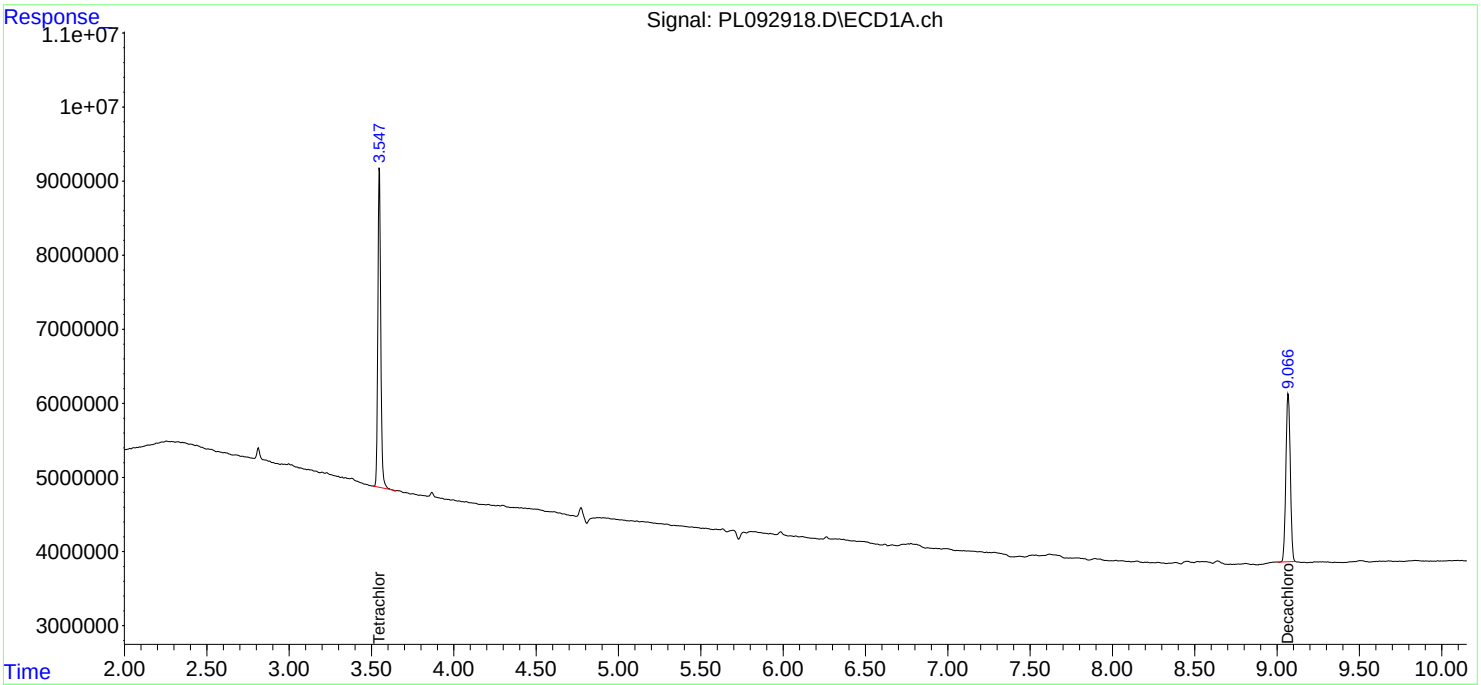
Sample Results: **PL092918.D**

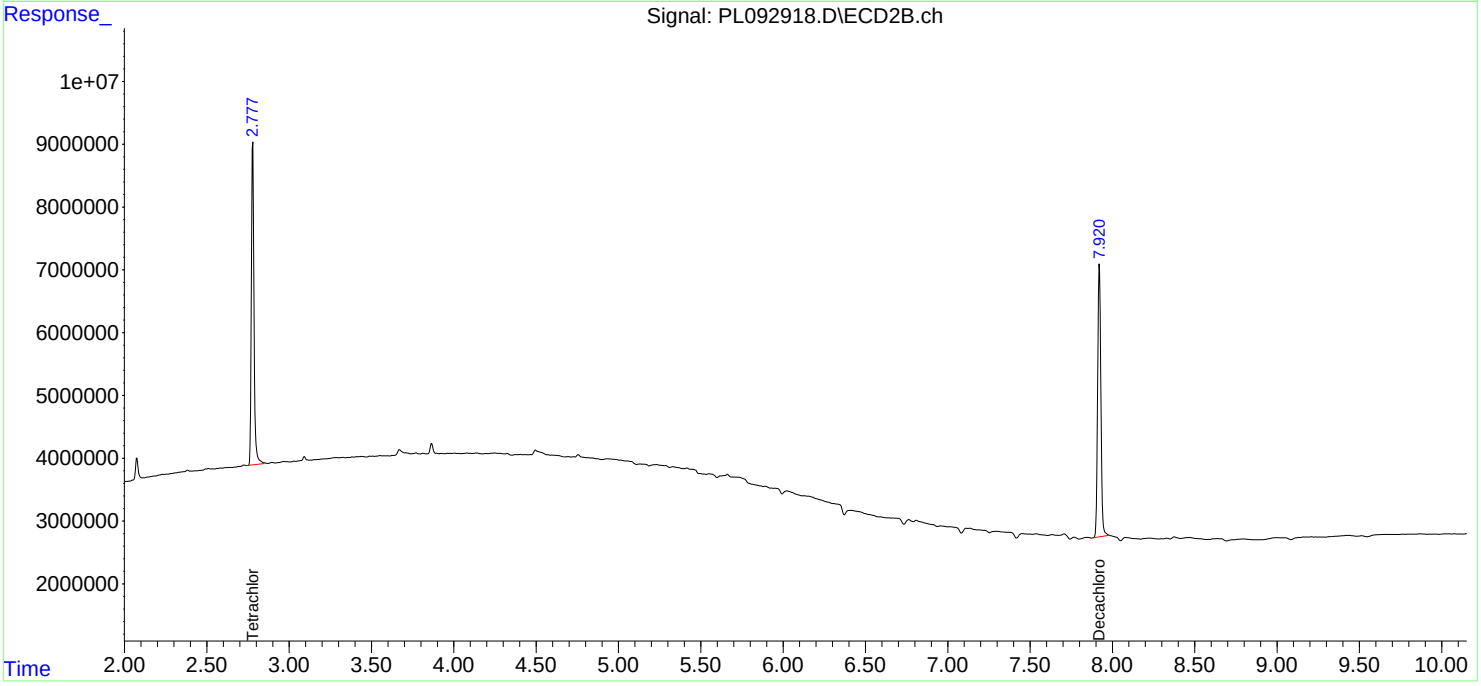
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110824\
Data File : PL092918.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 11:19
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

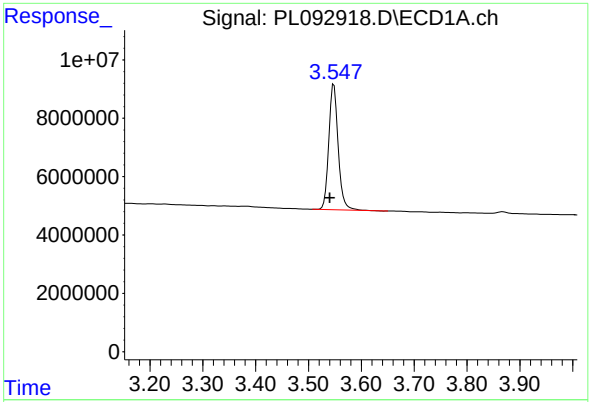
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 22:06:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



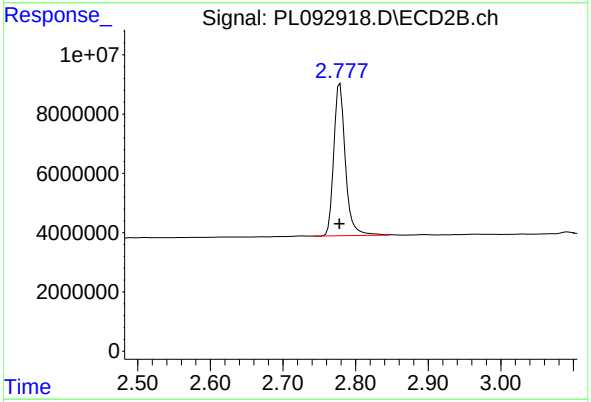




#1 Tetrachloro-m-xylene

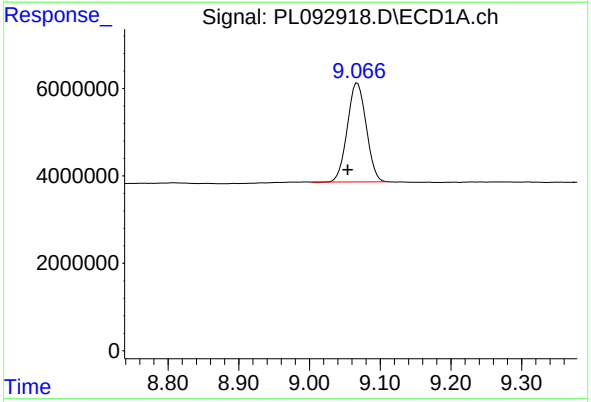
R.T.: 3.548 min
Delta R.T.: 0.008 min
Response: 52997766
Conc: 21.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



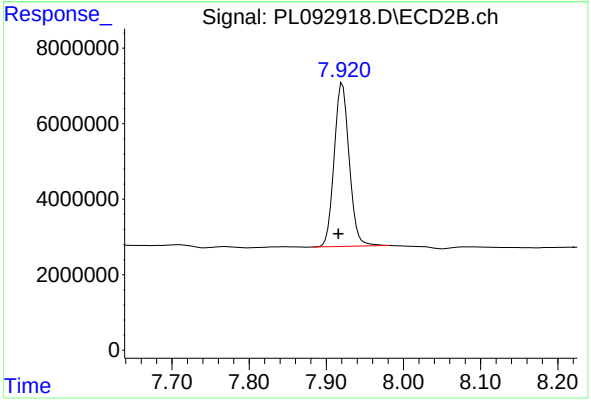
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 56954063
Conc: 20.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.014 min
Response: 42033497
Conc: 21.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.921 min
Delta R.T.: 0.005 min
Response: 58716624
Conc: 21.51 ng/ml

Raw Data: **PL092938.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	11/08/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	PIBLK-PL092938.D	SDG No.:	P4660
Lab Sample ID:	I.BLK-PL092938.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092938.D	1		11/08/24	PL110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
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
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.4		30 (43) - 150 (140)	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		30 (77) - 150 (126)	111%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110824\
Data File : PL092938.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 17:36
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 22:25:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.779	54480374	60226829	22.235	22.133
28)	SA Decachlor...	9.061	7.919	39168296	52921969	20.352	19.391
	Target Compounds						

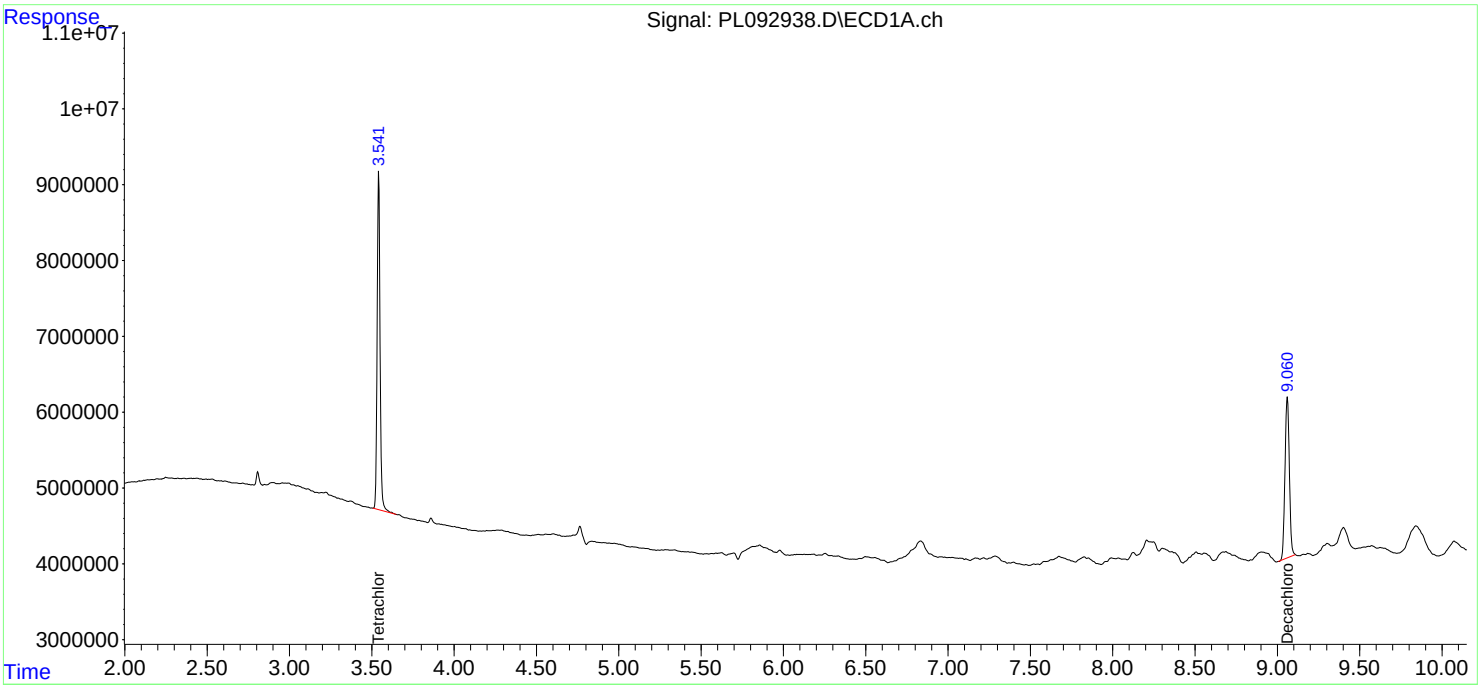
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

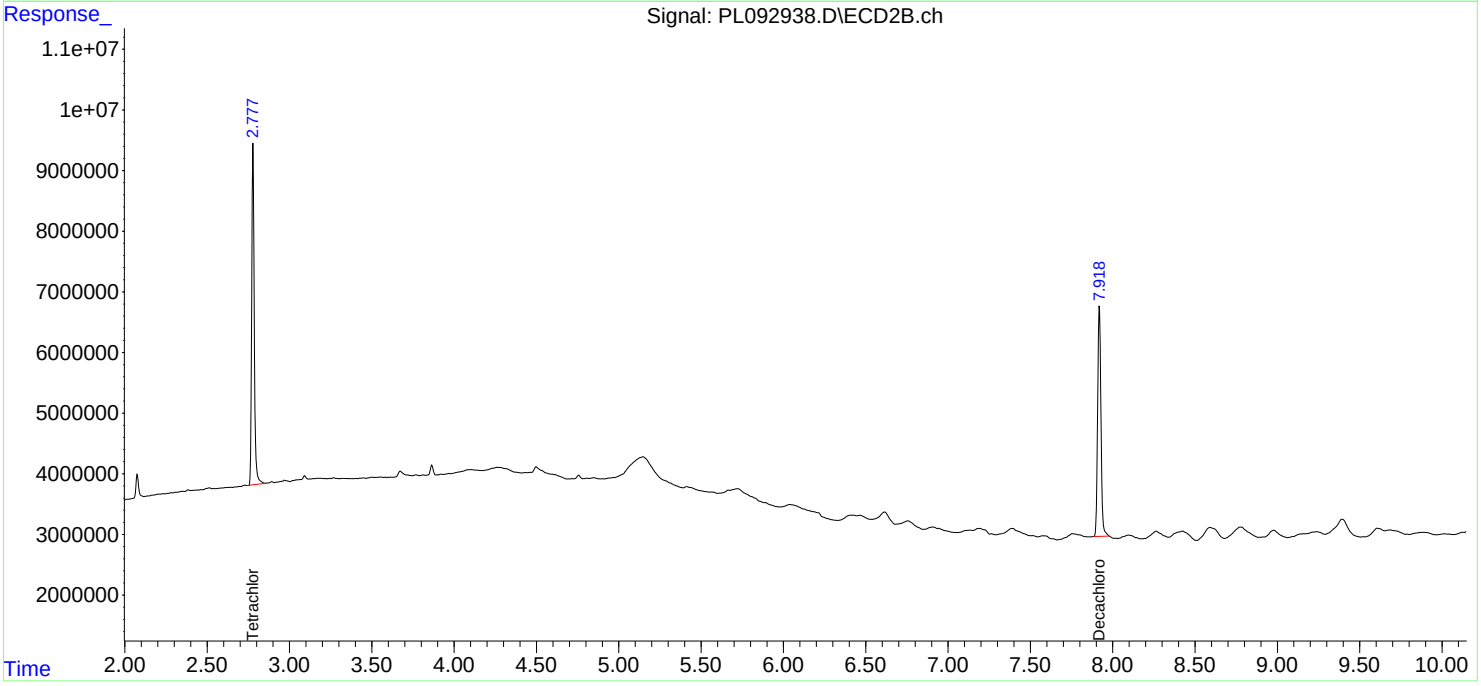
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110824\
Data File : PL092938.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 17:36
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

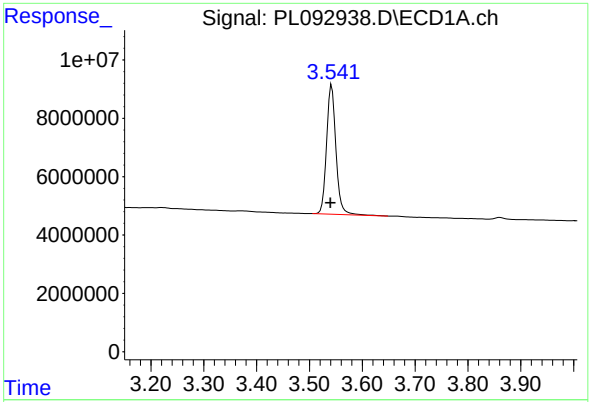
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 22:25:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



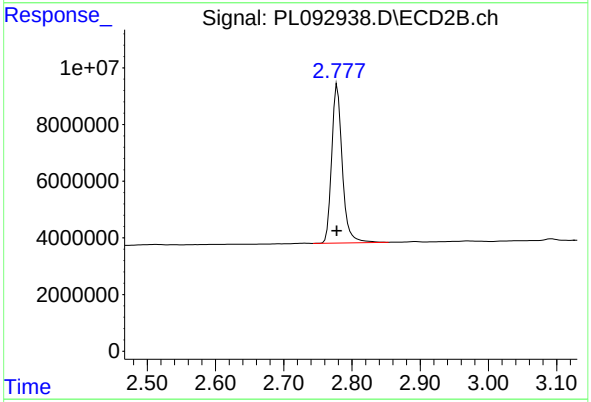




#1 Tetrachloro-m-xylene

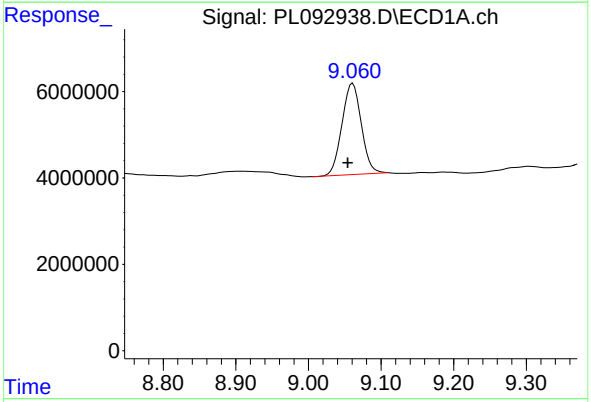
R.T.: 3.542 min
Delta R.T.: 0.002 min
Response: 54480374
Conc: 22.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



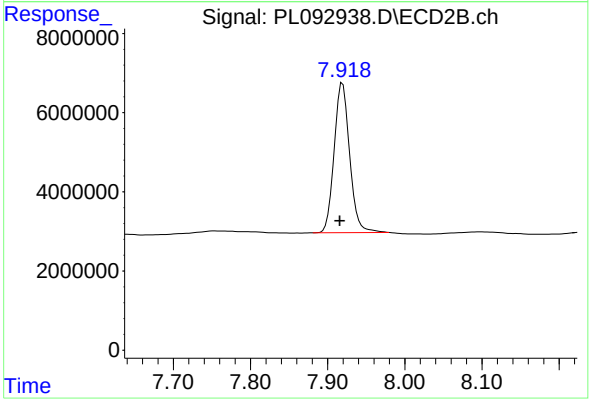
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 60226829
Conc: 22.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.007 min
Response: 39168296
Conc: 20.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.919 min
Delta R.T.: 0.004 min
Response: 52921969
Conc: 19.39 ng/ml

Raw Data: **PL092941.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	11/11/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/11/24
Client Sample ID:	PIBLK-PL092941.D	SDG No.:	P4660
Lab Sample ID:	I.BLK-PL092941.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092941.D	1		11/11/24	PL111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
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
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.8		30 (43) - 150 (140)	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.3		30 (77) - 150 (126)	112%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092941.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092941.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 09:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:43:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.543	2.779	54678322	58859641	22.316	21.630
28)	SA Decachlor...	9.063	7.918	39943305	53994439	20.755	19.784
	Target Compounds						

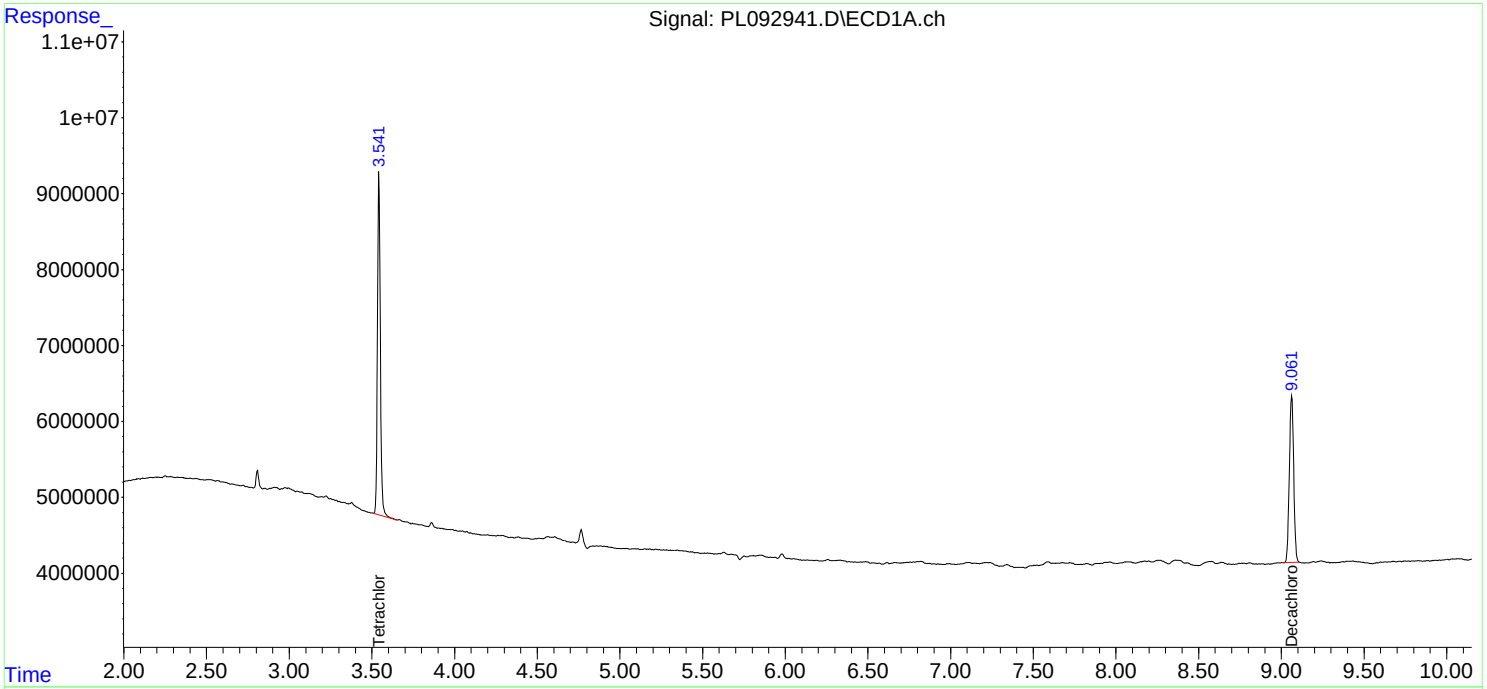
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

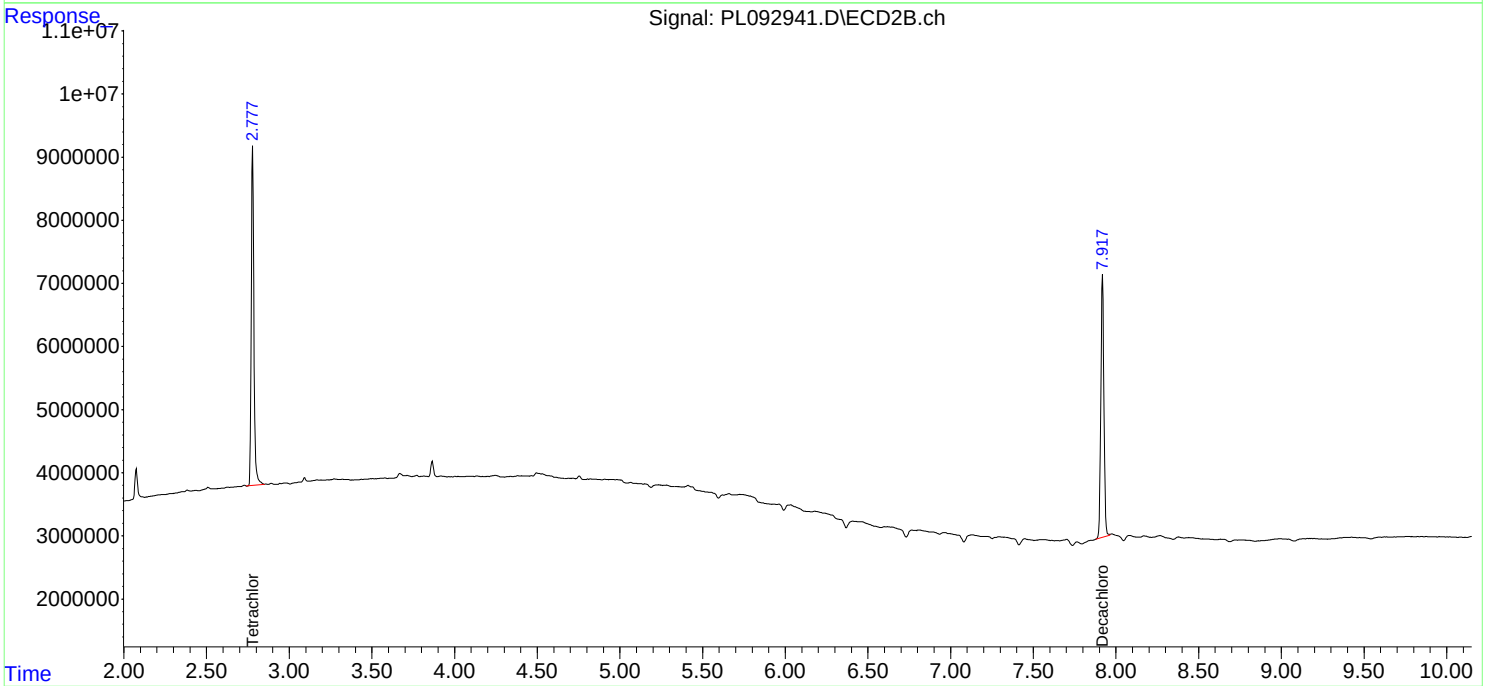
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092941.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 09:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

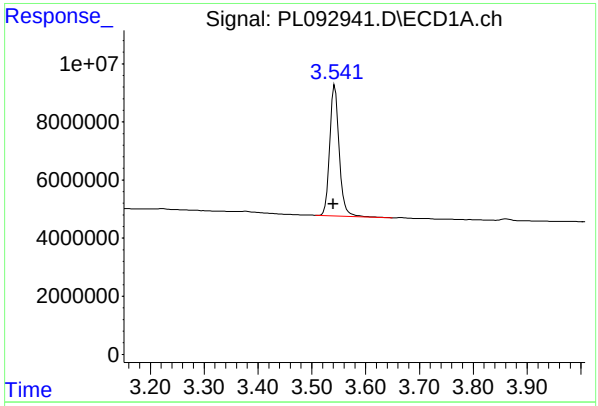
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:43:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



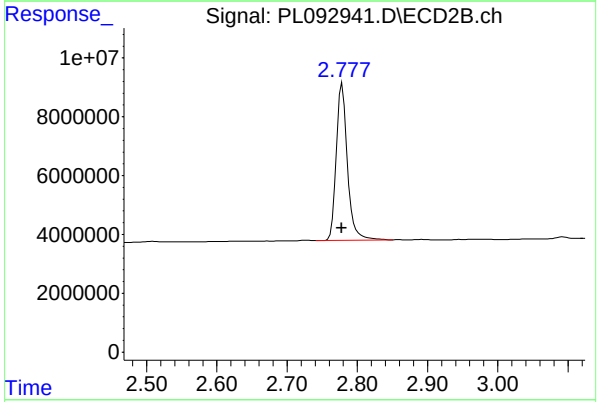




#1 Tetrachloro-m-xylene

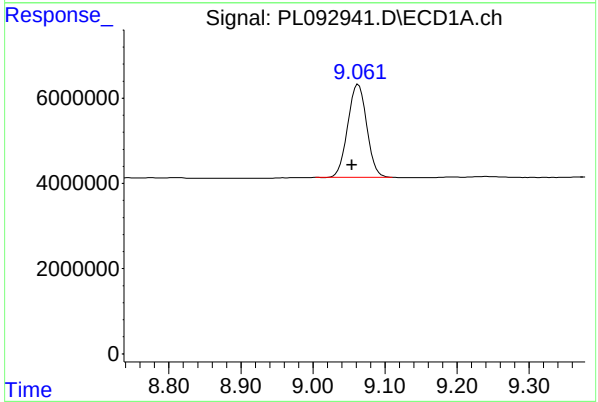
R.T.: 3.543 min
Delta R.T.: 0.003 mi
Response: 54678322
Conc: 22.32 ng/m

Instrument :
ECD_L
ClientSampleId :
I.BLK



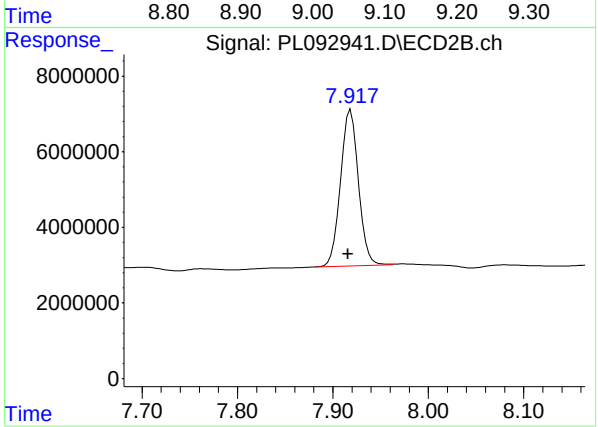
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 58859641
Conc: 21.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: 0.009 min
Response: 39943305
Conc: 20.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.003 min
Response: 53994439
Conc: 19.78 ng/ml

Raw Data: **PL092959.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	11/11/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/11/24
Client Sample ID:	PIBLK-PL092959.D	SDG No.:	P4660
Lab Sample ID:	I.BLK-PL092959.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092959.D	1		11/11/24	PL111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
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
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		30 (43) - 150 (140)	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.1		30 (77) - 150 (126)	110%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092959.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092959.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 16:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:01:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.549	2.778	54077736	58480256	22.070	21.491
28)	SA Decachlor...	9.070	7.923	42411060	60502925	22.037m	22.168
	Target Compounds						

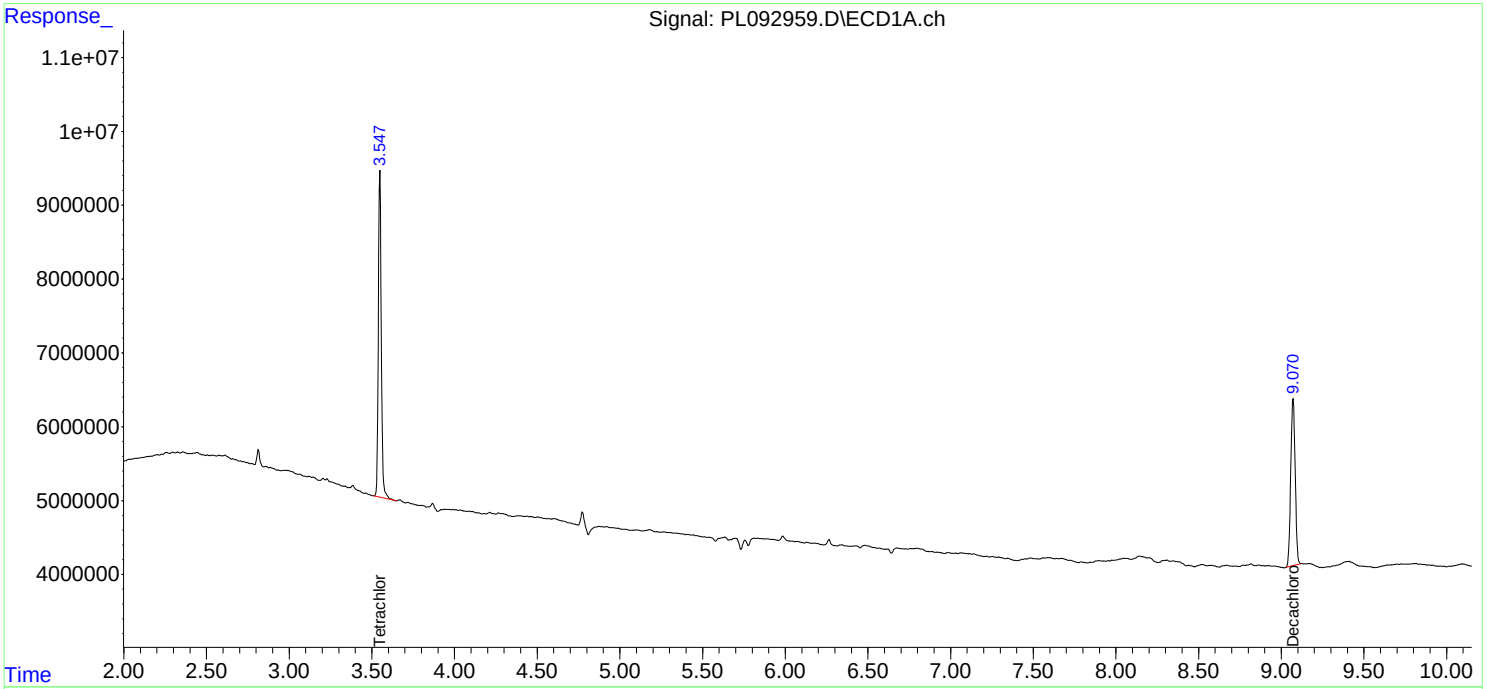
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

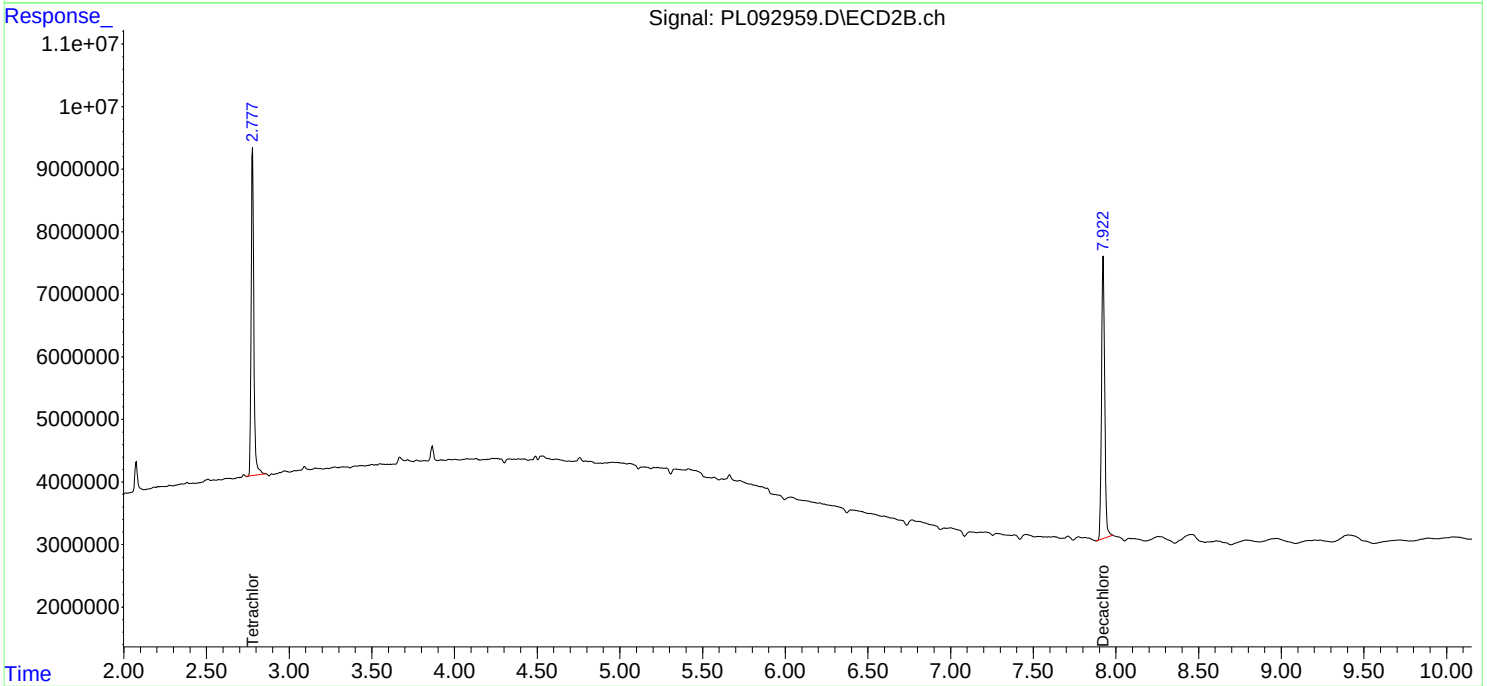
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092959.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 16:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

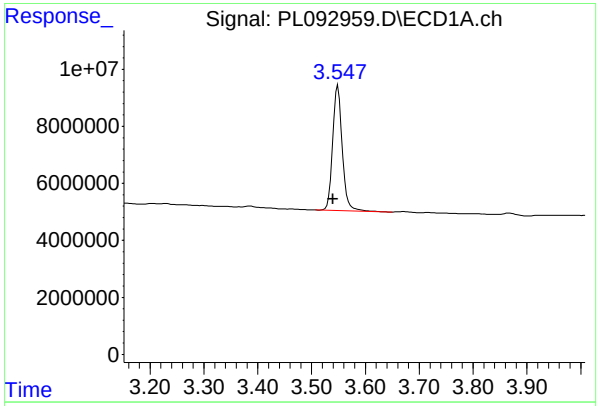
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:01:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



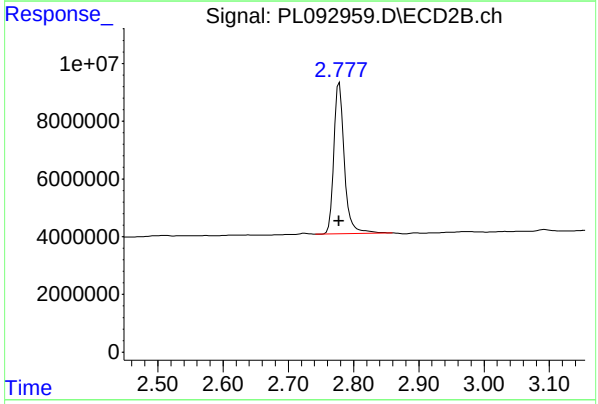




#1 Tetrachloro-m-xylene

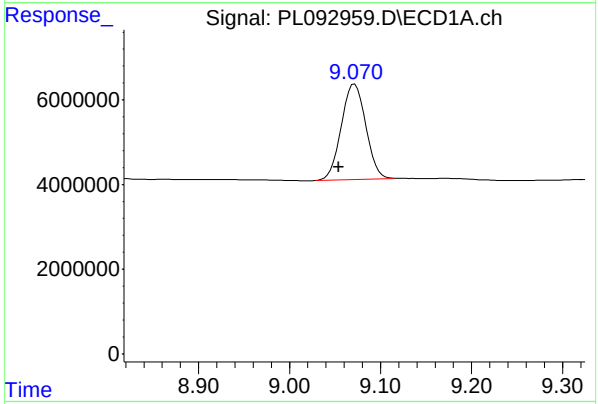
R.T.: 3.549 min
Delta R.T.: 0.009 mi
Response: 54077736
Conc: 22.07 ng/m

Instrument :
ECD_L
ClientSampleId :
I.BLK



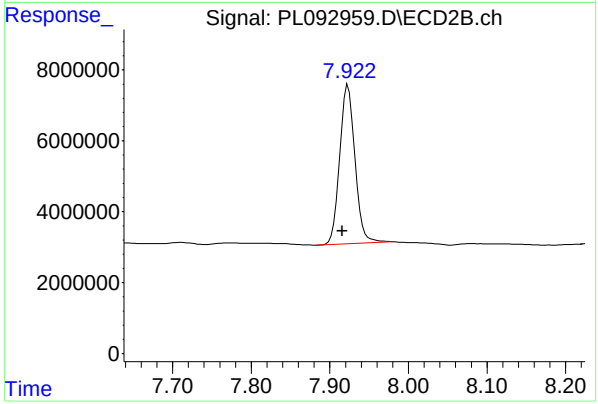
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 58480256
Conc: 21.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.016 min
Response: 42411060
Conc: 22.04 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.008 min
Response: 60502925
Conc: 22.17 ng/ml

Raw Data: **PL092921.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB164753BS	SDG No.:	P4660
Lab Sample ID:	PB164753BS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092921.D	1	11/06/24 10:35	11/08/24 12:56	PB164753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.51		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.53		0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.53		0.0090	0.050	ug/L
72-20-8	Endrin	0.54		0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.53		0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.2		30 (43) - 150 (140)	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.8		30 (77) - 150 (126)	94%	SPK: 20

Comments:

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

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

Sample Results: **PL092921.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110824\
Data File : PL092921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 12:56
Operator : AR\AJ
Sample : PB164753BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164753BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/11/2024
Supervised By :Ankita Jodhani 11/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 22:09:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.549	2.779	46041510	48837690	18.791	17.947
28) SA	Decachlor...	9.069	7.921	38911091	54737375	20.218	20.056
	Target Compounds						
2) A	alpha-BHC	4.005	3.282	165.2E6	203.6E6	48.698	51.030
3) MA	gamma-BHC...	4.338	3.613	156.6E6	195.0E6	48.048	50.529
4) MA	Heptachlor	4.925	3.952	149.7E6	199.5E6	49.843m	52.852
5) MB	Aldrin	5.268	4.232	143.9E6	188.2E6	47.959	51.424
6) B	beta-BHC	4.536	3.913	71560642	86247395	49.507	52.390
7) B	delta-BHC	4.783	4.142	137.6E6	174.5E6	43.962	45.413
8) B	Heptachlo...	5.695	4.734	135.0E6	178.5E6	48.874	53.422
9) A	Endosulfan I	6.080	5.105	125.1E6	168.3E6	50.027	55.113
10) B	gamma-Chl...	5.951	4.985	134.5E6	185.7E6	50.568	55.238
11) B	alpha-Chl...	6.030	5.049	133.4E6	182.6E6	50.393	54.908
12) B	4,4'-DDE	6.203	5.238	121.5E6	180.3E6	51.271	55.958
13) MA	Dieldrin	6.355	5.369	132.3E6	185.5E6	50.196	55.536
14) MA	Endrin	6.584	5.645	104.6E6	155.4E6	45.948m	53.709
15) B	Endosulfa...	6.805	5.940	118.5E6	163.5E6	49.723	57.706
16) A	4,4'-DDD	6.720	5.793	102.5E6	148.5E6	53.387	59.652
17) MA	4,4'-DDT	7.035	6.044	105.0E6	151.0E6	50.708	56.310
18) B	Endrin al...	6.935	6.119	92912750	127.5E6	49.475	55.258
19) B	Endosulfa...	7.169	6.342	106.8E6	150.3E6	49.187	55.725
20) A	Methoxychlor	7.510	6.619	55558614	75128077	48.736	52.610
21) B	Endrin ke...	7.655	6.848	123.3E6	177.3E6	50.903	57.772
22)	Mirex	8.128	7.028	85387823	122.9E6	43.088	47.091

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

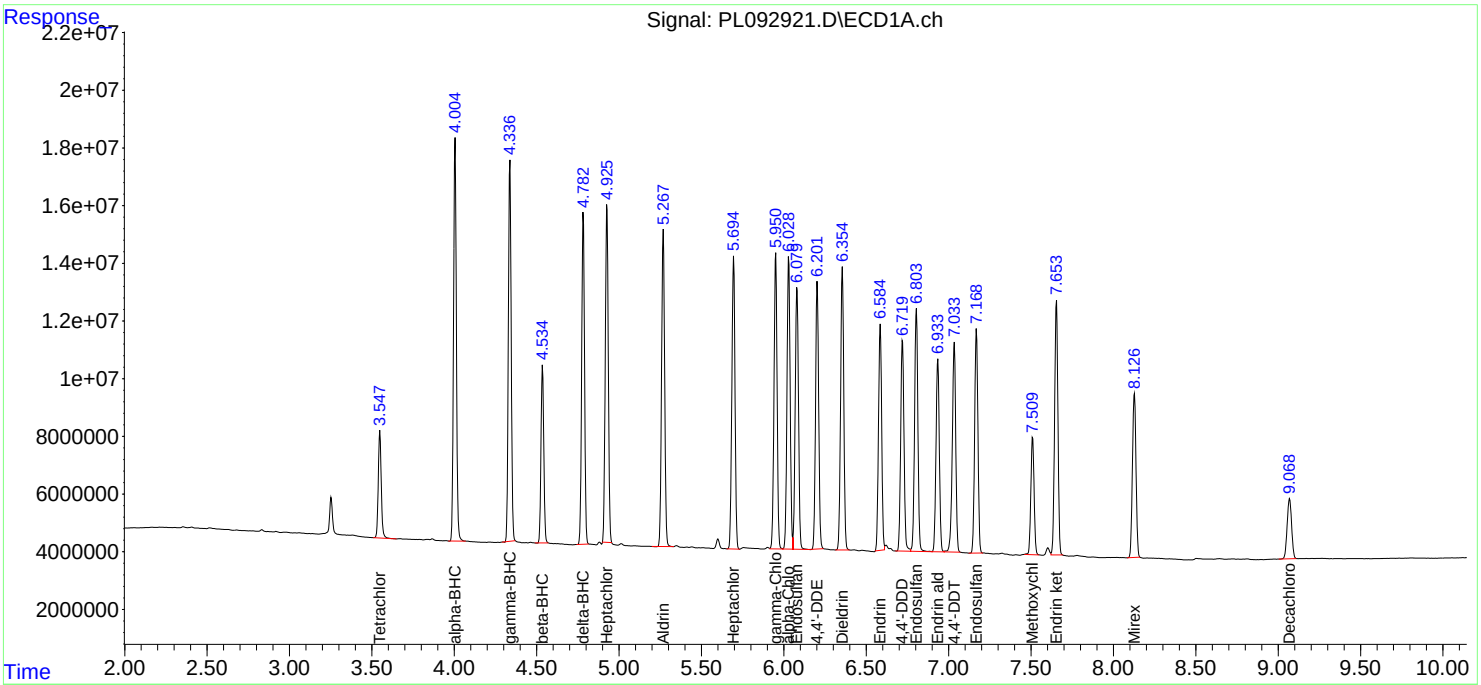
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110824\
Data File : PL092921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 12:56
Operator : AR\AJ
Sample : PB164753BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

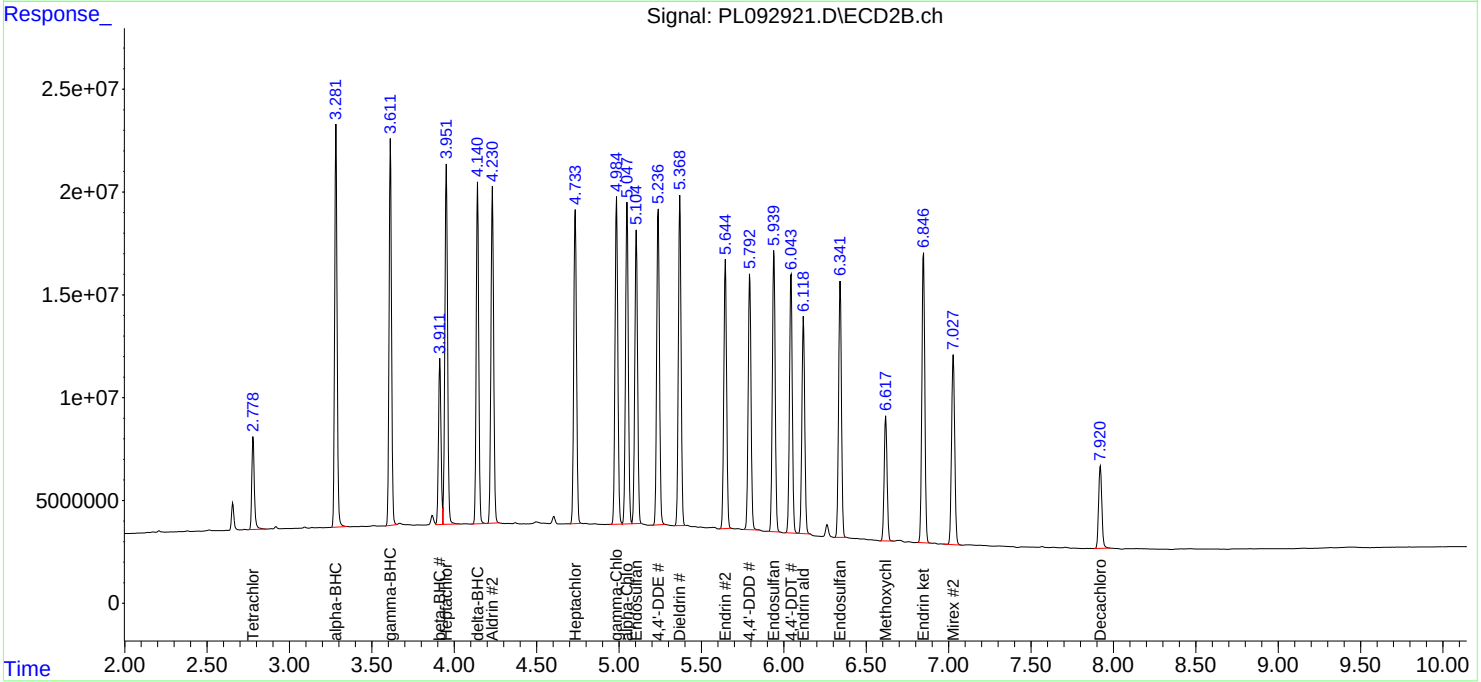
Instrument :
ECD_L
ClientSampleId :
PB164753BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/11/2024
Supervised By :Ankita Jodhani 11/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 22:09:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL092948.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	10/30/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-TA2-01-CMS	SDG No.:	P4660
Lab Sample ID:	P4660-03MS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092948.D	1	11/06/24 10:35	11/11/24 13:08	PB164753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	4.70		0.049	0.50	ug/L
76-44-8	Heptachlor	5.20		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.30		0.090	0.50	ug/L
72-20-8	Endrin	5.60		0.043	0.50	ug/L
72-43-5	Methoxychlor	5.00		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.7		30 (43) - 150 (140)	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.6		30 (77) - 150 (126)	118%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092948.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092948.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 13:08
Operator : AR\AJ
Sample : P4660-03MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-TA2-01-CMS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:50:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.540	2.779	57745324	53245587	23.567m	19.567
28)	SA	Decachlor...	9.061	7.919	36032824	50002129	18.723	18.321
		Target Compounds						
2)	A	alpha-BHC	3.998	3.281	147.0E6	181.5E6	43.347	45.481
3)	MA	gamma-BHC...	4.331	3.612	146.3E6	180.1E6	44.876	46.673
4)	MA	Heptachlor	4.920	3.951	146.8E6	197.5E6	48.883	52.323
5)	MB	Aldrin	5.261	4.231	145.7E6	191.5E6	48.538	52.328
6)	B	beta-BHC	4.529	3.912	72274787	86964655	50.001	52.826
7)	B	delta-BHC	4.776	4.140	41907441	47084712	13.389	12.252
8)	B	Heptachlo...	5.688	4.733	133.8E6	175.7E6	48.456	52.571
9)	A	Endosulfan I	6.074	5.103	119.3E6	159.1E6	47.707	52.100
10)	B	gamma-Chl...	5.944	4.982	121.5E6	186.3E6	45.682	55.422m
11)	B	alpha-Chl...	6.023	5.047	130.4E6	185.9E6	49.234	55.883
12)	B	4,4'-DDE	6.197	5.236	117.9E6	175.1E6	49.780	54.343
13)	MA	Dieldrin	6.349	5.368	128.2E6	186.8E6	48.633	55.935
14)	MA	Endrin	6.579	5.641	107.9E6	163.2E6	47.384	56.426m
15)	B	Endosulfa...	6.798	5.938	92318928	155.7E6	38.727m	54.962 #
16)	A	4,4'-DDD	6.713	5.791	99774374	133.3E6	51.979m	53.514
17)	MA	4,4'-DDT	7.027	6.041	102.8E6	146.8E6	49.672m	54.747
18)	B	Endrin al...	6.927	6.117	88428440	119.0E6	47.087m	51.573
19)	B	Endosulfa...	7.163	6.340	86400084	117.3E6	39.809	43.507
20)	A	Methoxychlor	7.504	6.617	52931114	71820939	46.431	50.294
21)	B	Endrin ke...	7.649	6.846	116.4E6	160.9E6	48.052	52.438
22)		Mirex	8.122	7.027	89827063	128.1E6	45.328	49.103

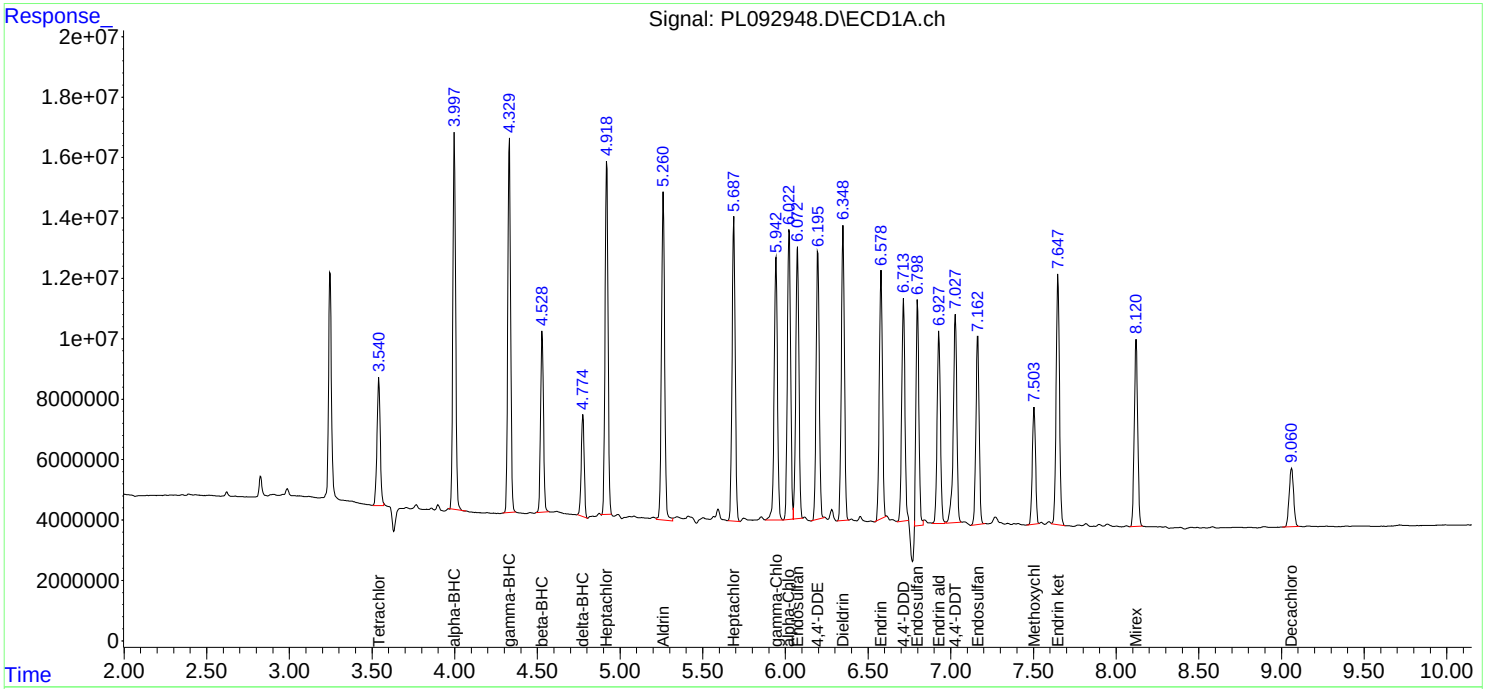
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

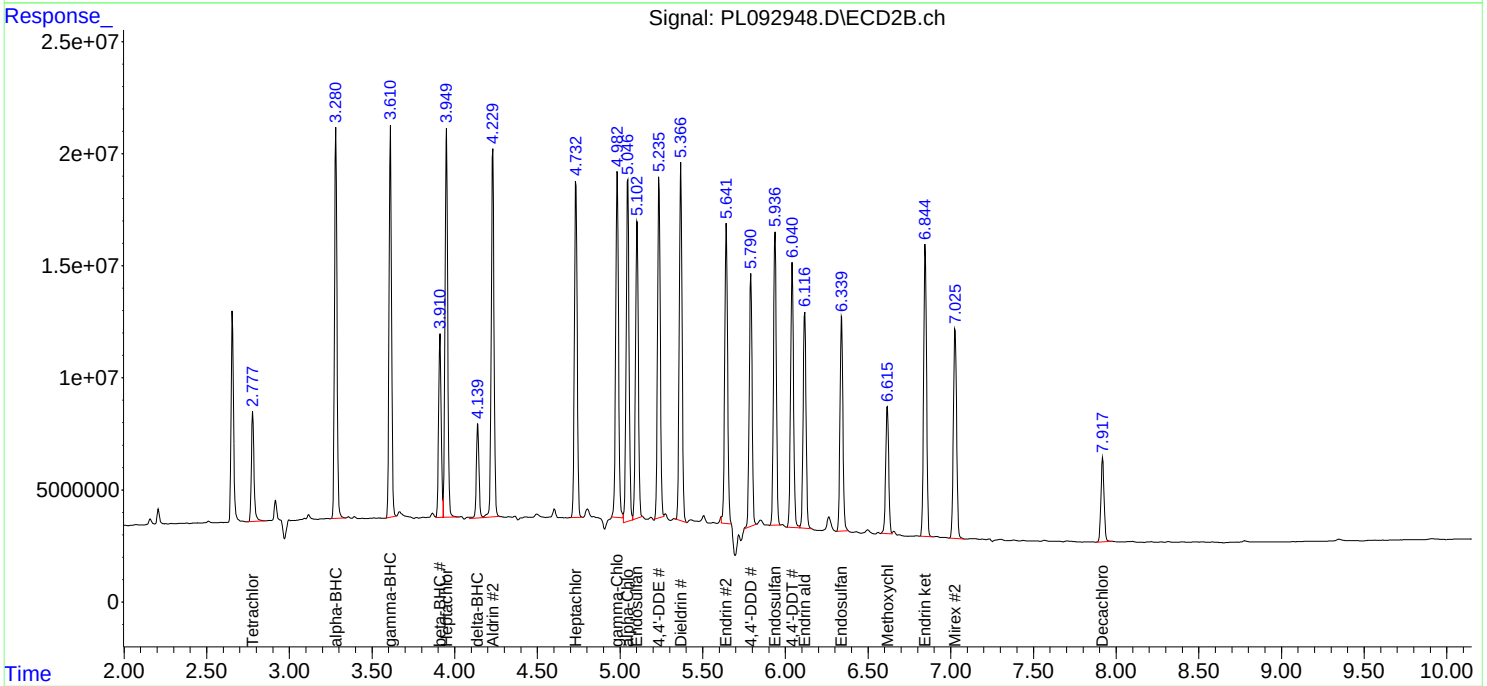
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092948.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 13:08
Operator : AR\AJ
Sample : P4660-03MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-TA2-01-CMS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:50:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL092949.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	10/30/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-TA2-01-CMSD	SDG No.:	P4660
Lab Sample ID:	P4660-03MSD	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092949.D	1	11/06/24 10:35	11/11/24 13:26	PB164753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	4.60		0.049	0.50	ug/L
76-44-8	Heptachlor	5.10		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.20		0.090	0.50	ug/L
72-20-8	Endrin	5.60		0.043	0.50	ug/L
72-43-5	Methoxychlor	5.00		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.5		30 (43) - 150 (140)	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.9		30 (77) - 150 (126)	114%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092949.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092949.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 13:26
Operator : AR\AJ
Sample : P4660-03MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-TA2-01-CMSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:51:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.544	2.779	55977032	52645643	22.846m	19.347
28)	SA	Decachlor...	9.065	7.921	35647772	49738804	18.523	18.224
		Target Compounds						
2)	A	alpha-BHC	4.002	3.282	147.4E6	178.5E6	43.458	44.730
3)	MA	gamma-BHC...	4.335	3.612	145.1E6	176.8E6	44.503	45.819
4)	MA	Heptachlor	4.923	3.951	145.4E6	194.3E6	48.407	51.486
5)	MB	Aldrin	5.265	4.231	145.0E6	188.2E6	48.302	51.424
6)	B	beta-BHC	4.533	3.912	71632103	85083548	49.557	51.683
7)	B	delta-BHC	4.779	4.141	41716774	46060782	13.329	11.985
8)	B	Heptachlo...	5.692	4.734	133.9E6	173.1E6	48.502	51.812
9)	A	Endosulfan I	6.078	5.104	119.0E6	155.2E6	47.588	50.820
10)	B	gamma-Chl...	5.947	4.983	120.9E6	183.9E6	45.443	54.710m
11)	B	alpha-Chl...	6.027	5.048	129.8E6	183.5E6	49.008	55.173
12)	B	4,4'-DDE	6.200	5.237	116.9E6	173.6E6	49.339	53.875
13)	MA	Dieldrin	6.353	5.368	128.1E6	184.0E6	48.590	55.086
14)	MA	Endrin	6.581	5.643	110.4E6	160.9E6	48.490m	55.609m
15)	B	Endosulfa...	6.801	5.939	93425676	153.6E6	39.191m	54.221 #
16)	A	4,4'-DDD	6.716	5.791	100.4E6	132.7E6	52.312m	53.286m
17)	MA	4,4'-DDT	7.030	6.043	102.2E6	145.7E6	49.391m	54.331
18)	B	Endrin al...	6.931	6.119	87808228	117.2E6	46.757m	50.780
19)	B	Endosulfa...	7.167	6.342	86616097	115.9E6	39.909	42.970
20)	A	Methoxychlor	7.508	6.618	52691260	71277252	46.220	49.913
21)	B	Endrin ke...	7.652	6.847	116.0E6	159.4E6	47.863	51.929
22)		Mirex	8.125	7.029	89862158	128.2E6	45.346	49.148

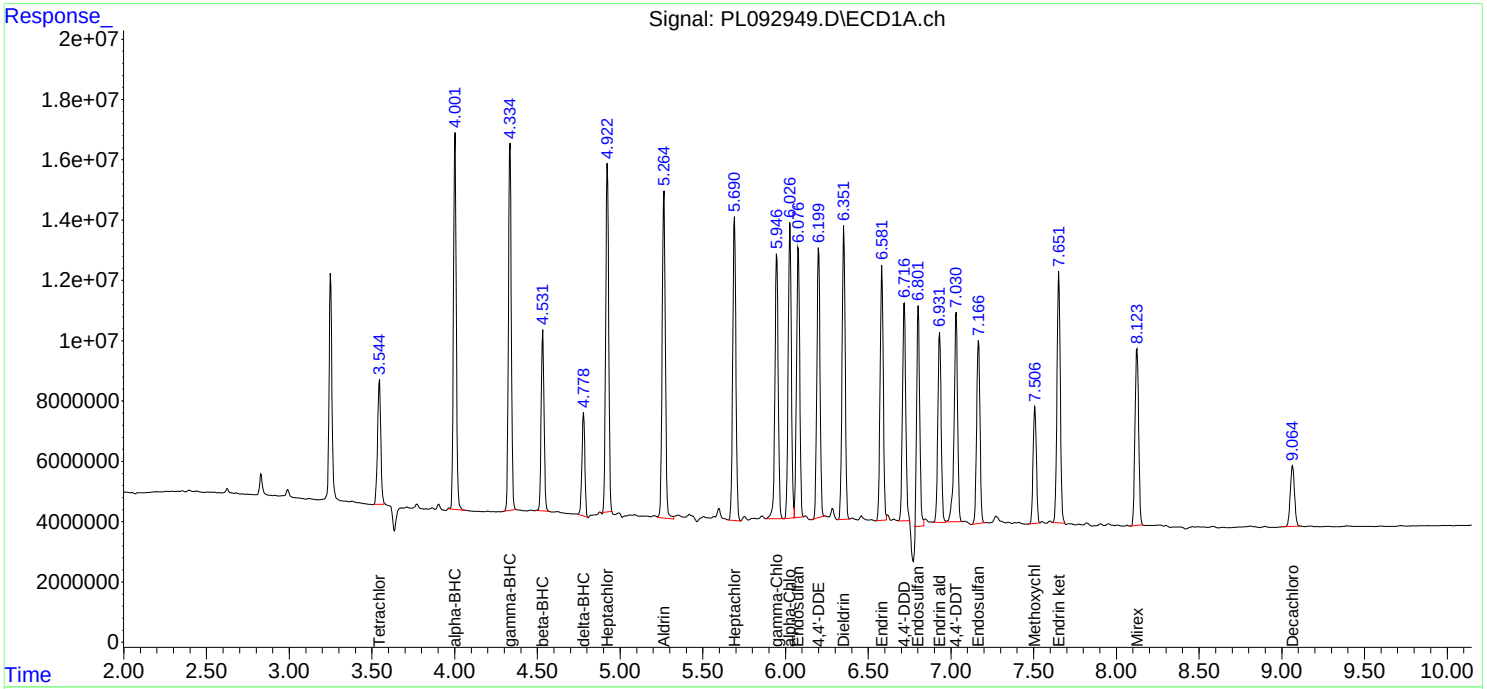
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

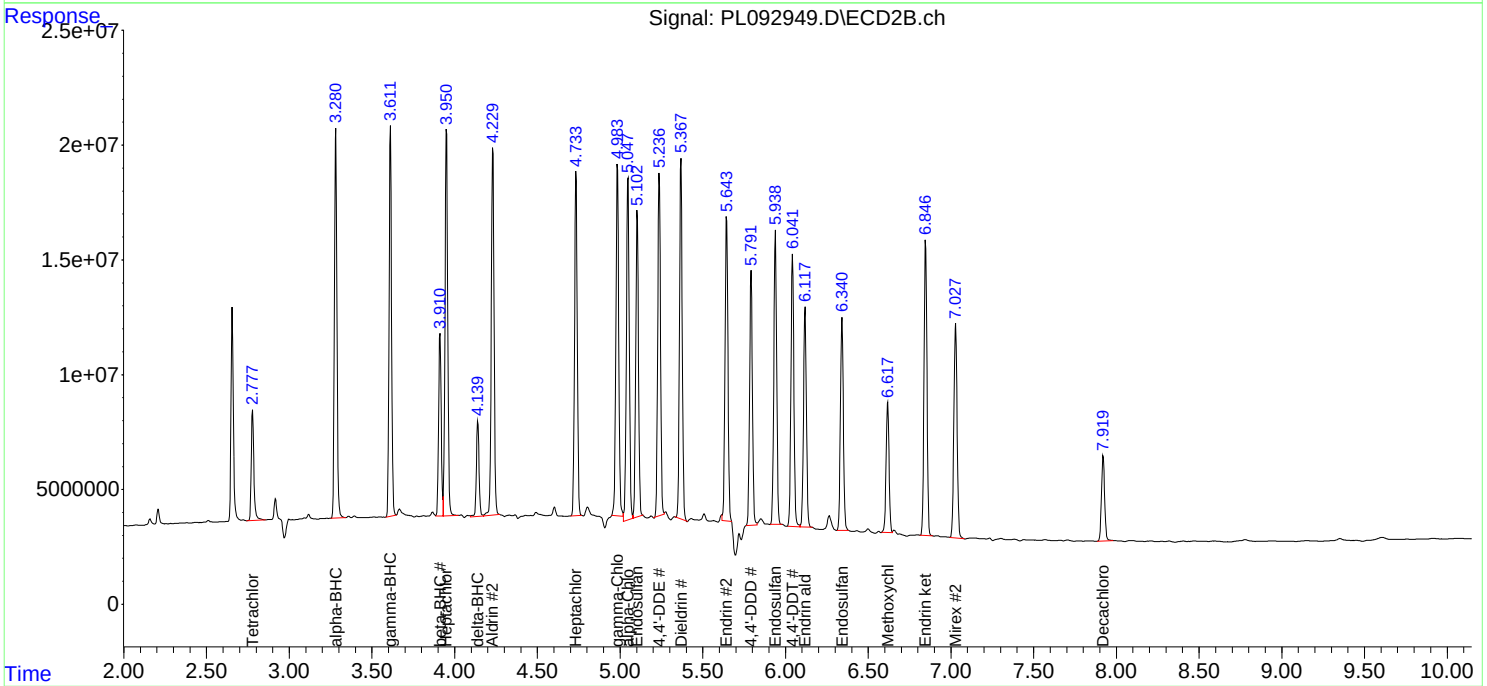
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111124\
Data File : PL092949.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 13:26
Operator : AR\AJ
Sample : P4660-03MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-TA2-01-CMSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:51:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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

Manual Integration Report

Sequence:	PL102824	Instrument	ECD_I

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

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

Manual Integration Report

Sequence:	PL102824	Instrument	ECD_I

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

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

Manual Integration Report

Sequence:	PL110724	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL092887.D	4,4"-DDD #2	Abdul	11/8/2024 2:59:44 PM	Ankita	11/8/2024 4:05:29	Peak Integrated by Software
PEM	PL092887.D	Endrin ketone #2	Abdul	11/8/2024 2:59:44 PM	Ankita	11/8/2024 4:05:29	Peak Integrated by Software
P4660-07	PL092890.D	Decachlorobiphenyl	Abdul	11/8/2024 2:58:51 PM	Ankita	11/8/2024 4:05:31	Peak Integrated by Software
P4660-07	PL092890.D	Decachlorobiphenyl #2	Abdul	11/8/2024 2:58:51 PM	Ankita	11/8/2024 4:05:31	Peak Integrated by Software
P4660-07	PL092890.D	Tetrachloro-m-xylene	Abdul	11/8/2024 2:58:51 PM	Ankita	11/8/2024 4:05:31	Peak Integrated by Software
P4660-07	PL092890.D	Tetrachloro-m-xylene #2	Abdul	11/8/2024 2:58:51 PM	Ankita	11/8/2024 4:05:31	Peak Integrated by Software
P4660-11	PL092891.D	Tetrachloro-m-xylene	Abdul	11/8/2024 2:58:54 PM	Ankita	11/8/2024 4:05:33	Peak Integrated by Software
I.BLK	PL092903.D	Decachlorobiphenyl	Abdul	11/8/2024 2:59:11 PM	Ankita	11/8/2024 4:05:49	Peak Integrated by Software
I.BLK	PL092903.D	Tetrachloro-m-xylene #2	Abdul	11/8/2024 2:59:11 PM	Ankita	11/8/2024 4:05:49	Peak Integrated by Software
PSTDCCC050	PL092904.D	4,4"-DDE	Abdul	11/8/2024 2:59:15 PM	Ankita	11/8/2024 4:05:50	Peak Integrated by Software
PSTDCCC050	PL092904.D	Aldrin	Abdul	11/8/2024 2:59:15 PM	Ankita	11/8/2024 4:05:50	Peak Integrated by Software
PSTDCCC050	PL092912.D	Aldrin	Abdul	11/8/2024 2:59:31 PM	Ankita	11/8/2024 4:06:17	Peak Integrated by Software
PSTDCCC050	PL092912.D	Heptachlor epoxide	Abdul	11/8/2024 2:59:31 PM	Ankita	11/8/2024 4:06:17	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PL110724	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL092912.D	Mirex #2	Abdul	11/8/2024 2:59:31 PM	Ankita	11/8/2024 4:06:17	Peak Integrated by Software
PSTDCCC050	PL092916.D	Aldrin	Abdul	11/8/2024 2:59:41 PM	Ankita	11/8/2024 4:06:21	Peak Integrated by Software
PSTDCCC050	PL092916.D	Heptachlor	Abdul	11/8/2024 2:59:41 PM	Ankita	11/8/2024 4:06:21	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PL110824	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL092919.D	4,4"-DDE	Abdul	11/11/2024 10:03:38 AM	Ankita	11/11/2024 2:11:24	Peak Integrated by Software
PSTDCCC050	PL092920.D	Aldrin	Abdul	11/11/2024 10:03:42 AM	Ankita	11/11/2024 2:11:26	Peak Integrated by Software
PSTDCCC050	PL092920.D	Endrin	Abdul	11/11/2024 10:03:42 AM	Ankita	11/11/2024 2:11:26	Peak Integrated by Software
PSTDCCC050	PL092920.D	Heptachlor	Abdul	11/11/2024 10:03:42 AM	Ankita	11/11/2024 2:11:26	Peak Integrated by Software
PB164753BS	PL092921.D	Endrin	Abdul	11/11/2024 10:04:22 AM	Ankita	11/11/2024 2:11:28	Peak Integrated by Software
PB164753BS	PL092921.D	Heptachlor	Abdul	11/11/2024 10:04:22 AM	Ankita	11/11/2024 2:11:28	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PL111124	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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM		
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM		
SubDirectory	PL102824	HP Acquire Method		HP Processing Method	pl102824 8081

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092651.D	28 Oct 2024 13:41	AR\AJ	Ok
2	I.BLK	PL092652.D	28 Oct 2024 13:55	AR\AJ	Ok
3	PEM	PL092653.D	28 Oct 2024 14:16	AR\AJ	Ok,M
4	RESCHK	PL092654.D	28 Oct 2024 14:29	AR\AJ	Ok
5	PSTDICC100	PL092655.D	28 Oct 2024 14:43	AR\AJ	Ok
6	PSTDICC075	PL092656.D	28 Oct 2024 14:56	AR\AJ	Ok
7	PSTDICC050	PL092657.D	28 Oct 2024 15:09	AR\AJ	Ok
8	PSTDICC025	PL092658.D	28 Oct 2024 15:23	AR\AJ	Ok
9	PSTDICC005	PL092659.D	28 Oct 2024 15:36	AR\AJ	Ok,M
10	PCHLORICC1000	PL092660.D	28 Oct 2024 15:49	AR\AJ	Ok
11	PCHLORICC750	PL092661.D	28 Oct 2024 16:03	AR\AJ	Ok
12	PCHLORICC500	PL092662.D	28 Oct 2024 16:16	AR\AJ	Ok
13	PCHLORICC250	PL092663.D	28 Oct 2024 16:30	AR\AJ	Ok
14	PCHLORICC050	PL092664.D	28 Oct 2024 16:43	AR\AJ	Ok
15	PTOXICC1000	PL092665.D	28 Oct 2024 16:56	AR\AJ	Ok
16	PTOXICC750	PL092666.D	28 Oct 2024 17:10	AR\AJ	Ok
17	PTOXICC500	PL092667.D	28 Oct 2024 17:23	AR\AJ	Ok
18	PTOXICC250	PL092668.D	28 Oct 2024 17:37	AR\AJ	Ok
19	PTOXICC100	PL092669.D	28 Oct 2024 17:50	AR\AJ	Ok,M
20	PSTDICV050	PL092670.D	28 Oct 2024 18:03	AR\AJ	Ok
21	PCHLORICV500	PL092671.D	28 Oct 2024 18:30	AR\AJ	Ok

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 # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM		
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM		
SubDirectory	PL102824	HP Acquire Method		HP Processing Method	pl102824 8081

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

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

M : Manual Integration

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 # PL110724

Review By	Abdul	Review On	11/8/2024 3:02:24 PM		
Supervise By	Ankita	Supervise On	11/8/2024 4:06:28 PM		
SubDirectory	PL110724	HP Acquire Method		HP Processing Method	pl102824 8081

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092885.D	07 Nov 2024 09:20	AR\AJ	Ok
2	I.BLK	PL092886.D	07 Nov 2024 09:34	AR\AJ	Ok
3	PEM	PL092887.D	07 Nov 2024 11:08	AR\AJ	Ok,M
4	PSTDCCC050	PL092888.D	07 Nov 2024 11:21	AR\AJ	Ok
5	P4660-03	PL092889.D	07 Nov 2024 11:35	AR\AJ	Ok
6	P4660-07	PL092890.D	07 Nov 2024 11:49	AR\AJ	Ok,M
7	P4660-11	PL092891.D	07 Nov 2024 12:03	AR\AJ	Ok,M
8	P4660-03MS	PL092892.D	07 Nov 2024 12:17	AR\AJ	Not Ok
9	P4660-03MSD	PL092893.D	07 Nov 2024 12:30	AR\AJ	Not Ok
10	PB164753BL	PL092894.D	07 Nov 2024 12:44	AR\AJ	Ok
11	PB164753BS	PL092895.D	07 Nov 2024 12:58	AR\AJ	Not Ok
12	PB164560TB	PL092896.D	07 Nov 2024 13:38	AR\AJ	Ok
13	PB164749BL	PL092897.D	07 Nov 2024 13:52	AR\AJ	Ok
14	PB164749BS	PL092898.D	07 Nov 2024 14:06	AR\AJ	Ok,M
15	P4720-01	PL092899.D	07 Nov 2024 14:20	AR\AJ	Ok,M
16	P4720-01MS	PL092900.D	07 Nov 2024 14:34	AR\AJ	Ok,M
17	P4720-01MSD	PL092901.D	07 Nov 2024 14:47	AR\AJ	Ok,M
18	P4734-01	PL092902.D	07 Nov 2024 15:01	AR\AJ	Ok,M
19	I.BLK	PL092903.D	07 Nov 2024 15:15	AR\AJ	Ok,M
20	PSTDCCC050	PL092904.D	07 Nov 2024 15:29	AR\AJ	Ok,M
21	P4722-08	PL092905.D	07 Nov 2024 16:04	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 # PL110724

Review By	Abdul	Review On	11/8/2024 3:02:24 PM		
Supervise By	Ankita	Supervise On	11/8/2024 4:06:28 PM		
SubDirectory	PL110724	HP Acquire Method		HP Processing Method	pl102824 8081

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

22	P4737-01	PL092906.D	07 Nov 2024 16:18	AR\AJ	Ok,M
23	P4739-01	PL092907.D	07 Nov 2024 16:32	AR\AJ	Ok,M
24	P4739-05	PL092908.D	07 Nov 2024 16:46	AR\AJ	Ok,M
25	P4739-09	PL092909.D	07 Nov 2024 16:59	AR\AJ	Ok,M
26	P4739-13	PL092910.D	07 Nov 2024 17:13	AR\AJ	Ok,M
27	I.BLK	PL092911.D	07 Nov 2024 17:27	AR\AJ	Ok
28	PSTDCCC050	PL092912.D	07 Nov 2024 17:41	AR\AJ	Ok,M
29	P4722-03	PL092913.D	07 Nov 2024 17:55	AR\AJ	Ok,M
30	P4722-13	PL092914.D	07 Nov 2024 18:09	AR\AJ	Ok,M
31	I.BLK	PL092915.D	07 Nov 2024 18:37	AR\AJ	Ok
32	PSTDCCC050	PL092916.D	07 Nov 2024 18:51	AR\AJ	Ok,M

M : Manual Integration

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 # PL110824

Review By	Abdul	Review On	11/11/2024 10:05:23 AM		
Supervise By	Ankita	Supervise On	11/11/2024 2:12:10 PM		
SubDirectory	PL110824	HP Acquire Method		HP Processing Method	pl102824 8081

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092917.D	08 Nov 2024 10:36	AR\AJ	Ok
2	I.BLK	PL092918.D	08 Nov 2024 11:19	AR\AJ	Ok
3	PEM	PL092919.D	08 Nov 2024 11:33	AR\AJ	Ok,M
4	PSTDCCC050	PL092920.D	08 Nov 2024 12:14	AR\AJ	Ok,M
5	PB164753BS	PL092921.D	08 Nov 2024 12:56	AR\AJ	Ok,M
6	P4660-03MS	PL092922.D	08 Nov 2024 13:10	AR\AJ	Not Ok
7	P4660-03MSD	PL092923.D	08 Nov 2024 13:23	AR\AJ	Not Ok
8	PB164788BL	PL092924.D	08 Nov 2024 13:50	AR\AJ	Ok
9	PB164788BS	PL092925.D	08 Nov 2024 14:04	AR\AJ	Ok,M
10	P4756-01	PL092926.D	08 Nov 2024 14:49	AR\AJ	Ok,M
11	P4756-01MS	PL092927.D	08 Nov 2024 15:03	AR\AJ	Ok,M
12	P4756-01MSD	PL092928.D	08 Nov 2024 15:17	AR\AJ	Ok,M
13	P4768-01	PL092929.D	08 Nov 2024 15:31	AR\AJ	Ok,M
14	P4768-02	PL092930.D	08 Nov 2024 15:44	AR\AJ	Ok,M
15	P4768-03	PL092931.D	08 Nov 2024 15:58	AR\AJ	Ok
16	P4768-04	PL092932.D	08 Nov 2024 16:12	AR\AJ	Ok,M
17	P4768-05	PL092933.D	08 Nov 2024 16:26	AR\AJ	Ok,M
18	P4768-06	PL092934.D	08 Nov 2024 16:40	AR\AJ	Ok
19	P4768-07	PL092935.D	08 Nov 2024 16:54	AR\AJ	Ok,M
20	P4771-05	PL092936.D	08 Nov 2024 17:08	AR\AJ	Ok,M
21	P4771-07	PL092937.D	08 Nov 2024 17:22	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 # PL110824

Review By	Abdul	Review On	11/11/2024 10:05:23 AM		
Supervise By	Ankita	Supervise On	11/11/2024 2:12:10 PM		
SubDirectory	PL110824	HP Acquire Method		HP Processing Method	pl102824 8081

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

22	I.BLK	PL092938.D	08 Nov 2024 17:36	AR\AJ	Ok
23	PSTDCCC050	PL092939.D	08 Nov 2024 17:49	AR\AJ	Ok

M : Manual Integration

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 # PL111124

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	PL111124	HP Acquire Method		HP Processing Method	pl102824 8081

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092940.D	11 Nov 2024 09:21	AR\AJ	Ok
2	I.BLK	PL092941.D	11 Nov 2024 09:35	AR\AJ	Ok
3	PEM	PL092942.D	11 Nov 2024 09:49	AR\AJ	Ok,NR
4	PSTDCCC050	PL092943.D	11 Nov 2024 11:58	AR\AJ	Ok
5	PB164849BL	PL092944.D	11 Nov 2024 12:12	AR\AJ	Ok
6	PB164849BS	PL092945.D	11 Nov 2024 12:26	AR\AJ	Ok
7	PB164694TB	PL092946.D	11 Nov 2024 12:40	AR\AJ	Ok
8	PB164793TB	PL092947.D	11 Nov 2024 12:54	AR\AJ	Ok
9	P4660-03MS	PL092948.D	11 Nov 2024 13:08	AR\AJ	Ok,NR
10	P4660-03MSD	PL092949.D	11 Nov 2024 13:26	AR\AJ	Ok,NR
11	P4738-02	PL092950.D	11 Nov 2024 13:40	AR\AJ	Ok
12	PB164859BL	PL092951.D	11 Nov 2024 13:53	AR\AJ	Ok
13	PB164859BS	PL092952.D	11 Nov 2024 14:07	AR\AJ	Ok
14	P4793-01	PL092953.D	11 Nov 2024 14:21	AR\AJ	Not Ok
15	P4795-01	PL092954.D	11 Nov 2024 14:35	AR\AJ	Ok,NR
16	P4796-01	PL092955.D	11 Nov 2024 14:49	AR\AJ	Ok,NR
17	P4796-03	PL092956.D	11 Nov 2024 15:03	AR\AJ	Ok,NR
18	P4796-05	PL092957.D	11 Nov 2024 15:16	AR\AJ	Ok,NR
19	P4796-07	PL092958.D	11 Nov 2024 15:30	AR\AJ	Ok,NR
20	I.BLK	PL092959.D	11 Nov 2024 16:35	AR\AJ	Ok,NR
21	PSTDCCC050	PL092960.D	11 Nov 2024 16:49	AR\AJ	Ok

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 # PL111124

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	PL111124	HP Acquire Method		HP Processing Method	pl102824 8081

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

22	PB164862BL	PL092961.D	11 Nov 2024 17:28	AR\AJ	Ok
23	PB164862BS	PL092962.D	11 Nov 2024 17:42	AR\AJ	Ok
24	PB164862BSD	PL092963.D	11 Nov 2024 17:55	AR\AJ	Ok
25	P4791-02	PL092964.D	11 Nov 2024 18:09	AR\AJ	Not Ok
26	P4792-04	PL092965.D	11 Nov 2024 18:23	AR\AJ	Not Ok
27	P4796-07MS	PL092966.D	11 Nov 2024 18:37	AR\AJ	Ok,NR
28	P4796-07MSD	PL092967.D	11 Nov 2024 18:51	AR\AJ	Ok,NR
29	PB164885BL	PL092968.D	11 Nov 2024 19:05	AR\AJ	Ok
30	PB164885BS	PL092969.D	11 Nov 2024 19:19	AR\AJ	Ok
31	PB164885TB	PL092970.D	11 Nov 2024 19:33	AR\AJ	Ok
32	I.BLK	PL092971.D	11 Nov 2024 19:46	AR\AJ	Ok
33	PEM	PL092972.D	11 Nov 2024 20:00	AR\AJ	Ok,NR
34	PSTDCCC050	PL092973.D	11 Nov 2024 20:14	AR\AJ	Ok
35	P4722-05	PL092974.D	11 Nov 2024 20:42	AR\AJ	Ok
36	P4722-10	PL092975.D	11 Nov 2024 20:56	AR\AJ	Ok
37	P4722-15	PL092976.D	11 Nov 2024 21:10	AR\AJ	Ok
38	P4722-15MS	PL092977.D	11 Nov 2024 21:24	AR\AJ	Ok,NR
39	P4722-15MSD	PL092978.D	11 Nov 2024 21:37	AR\AJ	Ok,NR
40	P4788-01	PL092979.D	11 Nov 2024 21:51	AR\AJ	Ok,NR
41	P4798-01	PL092980.D	11 Nov 2024 22:05	AR\AJ	Ok,NR
42	P4792-03	PL092981.D	11 Nov 2024 22:19	AR\AJ	Ok,NR
43	P4798-01	PL092982.D	11 Nov 2024 22:33	AR\AJ	Not Ok
44	P4748-03	PL092983.D	11 Nov 2024 22:47	AR\AJ	Ok

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 # PL111124

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	PL111124	HP Acquire Method		HP Processing Method	pl102824 8081

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

45	P4718-03MS	PL092984.D	11 Nov 2024 23:01	AR\AJ	Ok,NR
46	P4718-03MSD	PL092985.D	11 Nov 2024 23:14	AR\AJ	Ok,NR
47	P4722-04	PL092986.D	11 Nov 2024 23:28	AR\AJ	Ok
48	P4722-09	PL092987.D	11 Nov 2024 23:42	AR\AJ	Ok
49	P4722-14	PL092988.D	11 Nov 2024 23:56	AR\AJ	Ok
50	P4732-02	PL092989.D	12 Nov 2024 00:10	AR\AJ	Ok
51	P4771-06	PL092990.D	12 Nov 2024 00:24	AR\AJ	Ok,NR
52	P4771-08	PL092991.D	12 Nov 2024 00:38	AR\AJ	Ok
53	I.BLK	PL092992.D	12 Nov 2024 00:52	AR\AJ	Ok
54	PSTDCCC050	PL092993.D	12 Nov 2024 01:06	AR\AJ	Ok,NR

M : Manual Integration

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 # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM		
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM		
SubDirectory	PL102824	HP Acquire Method		HP Processing Method	pl102824 8081

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

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

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 # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM		
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM		
SubDirectory	PL102824	HP Acquire Method		HP Processing Method	pl102824 8081

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

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

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 # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM		
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM		
SubDirectory	PL102824	HP Acquire Method		HP Processing Method	pl102824 8081

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

38	P4561-01MSD	BP-F-19MSD	PL092688.D	28 Oct 2024 22:44		AR\AJ	Ok,M
39	P4561-05	BP-F-18	PL092689.D	28 Oct 2024 22:58		AR\AJ	Ok,M
40	I.BLK	I.BLK	PL092690.D	28 Oct 2024 23:11		AR\AJ	Ok,M
41	PSTDCCC050	PSTDCCC050	PL092691.D	29 Oct 2024 00:32		AR\AJ	Ok,M

M : Manual Integration

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 # PL110724

Review By	Abdul	Review On	11/8/2024 3:02:24 PM		
Supervise By	Ankita	Supervise On	11/8/2024 4:06:28 PM		
SubDirectory	PL110724	HP Acquire Method		HP Processing Method	pl102824 8081

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092885.D	07 Nov 2024 09:20		AR\AJ	Ok
2	I.BLK	I.BLK	PL092886.D	07 Nov 2024 09:34		AR\AJ	Ok
3	PEM	PEM	PL092887.D	07 Nov 2024 11:08		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL092888.D	07 Nov 2024 11:21		AR\AJ	Ok
5	P4660-03	WC-TA2-01-C	PL092889.D	07 Nov 2024 11:35		AR\AJ	Ok
6	P4660-07	WC-WOOD-01-C	PL092890.D	07 Nov 2024 11:49	TCMX low 1st col	AR\AJ	Ok,M
7	P4660-11	WC-CONCRETE-01-C	PL092891.D	07 Nov 2024 12:03		AR\AJ	Ok,M
8	P4660-03MS	WC-TA2-01-CMS	PL092892.D	07 Nov 2024 12:17	Most of all compound recovery fail	AR\AJ	Not Ok
9	P4660-03MSD	WC-TA2-01-CMSD	PL092893.D	07 Nov 2024 12:30	Most of all compound recovery fail	AR\AJ	Not Ok
10	PB164753BL	PB164753BL	PL092894.D	07 Nov 2024 12:44		AR\AJ	Ok
11	PB164753BS	PB164753BS	PL092895.D	07 Nov 2024 12:58	F flag is coming in second column all compound	AR\AJ	Not Ok
12	PB164560TB	PB164560TB	PL092896.D	07 Nov 2024 13:38		AR\AJ	Ok
13	PB164749BL	PB164749BL	PL092897.D	07 Nov 2024 13:52		AR\AJ	Ok
14	PB164749BS	PB164749BS	PL092898.D	07 Nov 2024 14:06		AR\AJ	Ok,M
15	P4720-01	JC-701-COMP-01	PL092899.D	07 Nov 2024 14:20		AR\AJ	Ok,M
16	P4720-01MS	JC-701-COMP-01MS	PL092900.D	07 Nov 2024 14:34	Some compound recovery fail	AR\AJ	Ok,M
17	P4720-01MSD	JC-701-COMP-01MSD	PL092901.D	07 Nov 2024 14:47	Some compound recovery fail	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 # PL110724

Review By	Abdul	Review On	11/8/2024 3:02:24 PM		
Supervise By	Ankita	Supervise On	11/8/2024 4:06:28 PM		
SubDirectory	PL110724	HP Acquire Method		HP Processing Method	pl102824 8081

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

18	P4734-01	EO-03-11062024	PL092902.D	07 Nov 2024 15:01		AR\AJ	Ok,M
19	I.BLK	I.BLK	PL092903.D	07 Nov 2024 15:15		AR\AJ	Ok,M
20	PSTDCCC050	PSTDCCC050	PL092904.D	07 Nov 2024 15:29		AR\AJ	Ok,M
21	P4722-08	WC-2(0-6)	PL092905.D	07 Nov 2024 16:04		AR\AJ	Ok,M
22	P4737-01	TP2	PL092906.D	07 Nov 2024 16:18		AR\AJ	Ok,M
23	P4739-01	TP-14	PL092907.D	07 Nov 2024 16:32		AR\AJ	Ok,M
24	P4739-05	BP-G2	PL092908.D	07 Nov 2024 16:46		AR\AJ	Ok,M
25	P4739-09	BP-B2	PL092909.D	07 Nov 2024 16:59		AR\AJ	Ok,M
26	P4739-13	TP-11	PL092910.D	07 Nov 2024 17:13		AR\AJ	Ok,M
27	I.BLK	I.BLK	PL092911.D	07 Nov 2024 17:27		AR\AJ	Ok
28	PSTDCCC050	PSTDCCC050	PL092912.D	07 Nov 2024 17:41		AR\AJ	Ok,M
29	P4722-03	WC-1(0-6)	PL092913.D	07 Nov 2024 17:55		AR\AJ	Ok,M
30	P4722-13	WC-3(0-6)	PL092914.D	07 Nov 2024 18:09		AR\AJ	Ok,M
31	I.BLK	I.BLK	PL092915.D	07 Nov 2024 18:37		AR\AJ	Ok
32	PSTDCCC050	PSTDCCC050	PL092916.D	07 Nov 2024 18:51		AR\AJ	Ok,M

M : Manual Integration

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 # PL110824

Review By	Abdul	Review On	11/11/2024 10:05:23 AM		
Supervise By	Ankita	Supervise On	11/11/2024 2:12:10 PM		
SubDirectory	PL110824	HP Acquire Method		HP Processing Method	pl102824 8081

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092917.D	08 Nov 2024 10:36		AR\AJ	Ok
2	I.BLK	I.BLK	PL092918.D	08 Nov 2024 11:19		AR\AJ	Ok
3	PEM	PEM	PL092919.D	08 Nov 2024 11:33		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL092920.D	08 Nov 2024 12:14		AR\AJ	Ok,M
5	PB164753BS	PB164753BS	PL092921.D	08 Nov 2024 12:56		AR\AJ	Ok,M
6	P4660-03MS	WC-TA2-01-CMS	PL092922.D	08 Nov 2024 13:10	All compound recovery fail,	AR\AJ	Not Ok
7	P4660-03MSD	WC-TA2-01-CMSD	PL092923.D	08 Nov 2024 13:23	All compound recovery fail , RPD fail in some compound,	AR\AJ	Not Ok
8	PB164788BL	PB164788BL	PL092924.D	08 Nov 2024 13:50		AR\AJ	Ok
9	PB164788BS	PB164788BS	PL092925.D	08 Nov 2024 14:04		AR\AJ	Ok,M
10	P4756-01	BP-B4	PL092926.D	08 Nov 2024 14:49		AR\AJ	Ok,M
11	P4756-01MS	BP-B4MS	PL092927.D	08 Nov 2024 15:03		AR\AJ	Ok,M
12	P4756-01MSD	BP-B4MSD	PL092928.D	08 Nov 2024 15:17		AR\AJ	Ok,M
13	P4768-01	B-3-1	PL092929.D	08 Nov 2024 15:31		AR\AJ	Ok,M
14	P4768-02	B-3-2	PL092930.D	08 Nov 2024 15:44		AR\AJ	Ok,M
15	P4768-03	B-3-3	PL092931.D	08 Nov 2024 15:58		AR\AJ	Ok
16	P4768-04	B-4	PL092932.D	08 Nov 2024 16:12		AR\AJ	Ok,M
17	P4768-05	B-5	PL092933.D	08 Nov 2024 16:26		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 # PL110824

Review By	Abdul	Review On	11/11/2024 10:05:23 AM		
Supervise By	Ankita	Supervise On	11/11/2024 2:12:10 PM		
SubDirectory	PL110824	HP Acquire Method		HP Processing Method	pl102824 8081

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

18	P4768-06	B-6-2	PL092934.D	08 Nov 2024 16:40		AR\AJ	Ok
19	P4768-07	B-6-3	PL092935.D	08 Nov 2024 16:54		AR\AJ	Ok,M
20	P4771-05	P-1	PL092936.D	08 Nov 2024 17:08		AR\AJ	Ok,M
21	P4771-07	P-2	PL092937.D	08 Nov 2024 17:22		AR\AJ	Ok,M
22	I.BLK	I.BLK	PL092938.D	08 Nov 2024 17:36		AR\AJ	Ok
23	PSTDCCC050	PSTDCCC050	PL092939.D	08 Nov 2024 17:49		AR\AJ	Ok

M : Manual Integration

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 # PL111124

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	PL111124	HP Acquire Method		HP Processing Method	pl102824 8081

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092940.D	11 Nov 2024 09:21		AR\AJ	Ok
2	I.BLK	I.BLK	PL092941.D	11 Nov 2024 09:35		AR\AJ	Ok
3	PEM	PEM	PL092942.D	11 Nov 2024 09:49		AR\AJ	Ok,NR
4	PSTDCCC050	PSTDCCC050	PL092943.D	11 Nov 2024 11:58		AR\AJ	Ok
5	PB164849BL	PB164849BL	PL092944.D	11 Nov 2024 12:12		AR\AJ	Ok
6	PB164849BS	PB164849BS	PL092945.D	11 Nov 2024 12:26		AR\AJ	Ok
7	PB164694TB	PB164694TB	PL092946.D	11 Nov 2024 12:40		AR\AJ	Ok
8	PB164793TB	PB164793TB	PL092947.D	11 Nov 2024 12:54		AR\AJ	Ok
9	P4660-03MS	WC-TA2-01-CMS	PL092948.D	11 Nov 2024 13:08		AR\AJ	Ok,NR
10	P4660-03MSD	WC-TA2-01-CMSD	PL092949.D	11 Nov 2024 13:26		AR\AJ	Ok,NR
11	P4738-02	72-12018	PL092950.D	11 Nov 2024 13:40		AR\AJ	Ok
12	PB164859BL	PB164859BL	PL092951.D	11 Nov 2024 13:53		AR\AJ	Ok
13	PB164859BS	PB164859BS	PL092952.D	11 Nov 2024 14:07		AR\AJ	Ok
14	P4793-01	M00-24-00345	PL092953.D	11 Nov 2024 14:21	F flag is coming in surrogate	AR\AJ	Not Ok
15	P4795-01	LAW-23-00189	PL092954.D	11 Nov 2024 14:35		AR\AJ	Ok,NR
16	P4796-01	TP-1	PL092955.D	11 Nov 2024 14:49		AR\AJ	Ok,NR
17	P4796-03	TP-2	PL092956.D	11 Nov 2024 15:03		AR\AJ	Ok,NR
18	P4796-05	TP-3	PL092957.D	11 Nov 2024 15:16		AR\AJ	Ok,NR

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 # PL111124

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	PL111124	HP Acquire Method		HP Processing Method	pl102824 8081

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

19	P4796-07	TP-4	PL092958.D	11 Nov 2024 15:30		AR\AJ	Ok,NR
20	I.BLK	I.BLK	PL092959.D	11 Nov 2024 16:35		AR\AJ	Ok,NR
21	PSTDCCC050	PSTDCCC050	PL092960.D	11 Nov 2024 16:49		AR\AJ	Ok
22	PB164862BL	PB164862BL	PL092961.D	11 Nov 2024 17:28		AR\AJ	Ok
23	PB164862BS	PB164862BS	PL092962.D	11 Nov 2024 17:42		AR\AJ	Ok
24	PB164862BSD	PB164862BSD	PL092963.D	11 Nov 2024 17:55		AR\AJ	Ok
25	P4791-02	HINCHMAN-OILY-WAT	PL092964.D	11 Nov 2024 18:09	Surrogate Fail in both column	AR\AJ	Not Ok
26	P4792-04		PL092965.D	11 Nov 2024 18:23	Surrogate Fail in both column	AR\AJ	Not Ok
27	P4796-07MS	TP-4MS	PL092966.D	11 Nov 2024 18:37		AR\AJ	Ok,NR
28	P4796-07MSD	TP-4MSD	PL092967.D	11 Nov 2024 18:51	RPD Fail in some compound	AR\AJ	Ok,NR
29	PB164885BL	PB164885BL	PL092968.D	11 Nov 2024 19:05		AR\AJ	Ok
30	PB164885BS	PB164885BS	PL092969.D	11 Nov 2024 19:19		AR\AJ	Ok
31	PB164885TB	PB164885TB	PL092970.D	11 Nov 2024 19:33		AR\AJ	Ok
32	I.BLK	I.BLK	PL092971.D	11 Nov 2024 19:46		AR\AJ	Ok
33	PEM	PEM	PL092972.D	11 Nov 2024 20:00		AR\AJ	Ok,NR
34	PSTDCCC050	PSTDCCC050	PL092973.D	11 Nov 2024 20:14		AR\AJ	Ok
35	P4722-05	WC-1(0-6)	PL092974.D	11 Nov 2024 20:42		AR\AJ	Ok
36	P4722-10	WC-2(0-6)	PL092975.D	11 Nov 2024 20:56		AR\AJ	Ok
37	P4722-15	WC-3(0-6)	PL092976.D	11 Nov 2024 21:10		AR\AJ	Ok

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 # PL111124

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	PL111124	HP Acquire Method		HP Processing Method	pl102824 8081

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

38	P4722-15MS	WC-3(0-6)MS	PL092977.D	11 Nov 2024 21:24		AR\AJ	Ok,NR
39	P4722-15MSD	WC-3(0-6)MSD	PL092978.D	11 Nov 2024 21:37		AR\AJ	Ok,NR
40	P4788-01	BP-G3	PL092979.D	11 Nov 2024 21:51		AR\AJ	Ok,NR
41	P4798-01	MH-6	PL092980.D	11 Nov 2024 22:05		AR\AJ	Ok,NR
42	P4792-03	OILY-STONE-DRUM	PL092981.D	11 Nov 2024 22:19		AR\AJ	Ok,NR
43	P4798-01	MH-6	PL092982.D	11 Nov 2024 22:33	F flag is coming in surrogate, Already run	AR\AJ	Not Ok
44	P4748-03	GCP57	PL092983.D	11 Nov 2024 22:47	Typo P4718-03	AR\AJ	Ok
45	P4718-03MS	WB-307-SB02MS	PL092984.D	11 Nov 2024 23:01		AR\AJ	Ok,NR
46	P4718-03MSD	WB-307-SB02MSD	PL092985.D	11 Nov 2024 23:14		AR\AJ	Ok,NR
47	P4722-04	WC-1(0-6)	PL092986.D	11 Nov 2024 23:28		AR\AJ	Ok
48	P4722-09	WC-2(0-6)	PL092987.D	11 Nov 2024 23:42		AR\AJ	Ok
49	P4722-14	WC-3(0-6)	PL092988.D	11 Nov 2024 23:56		AR\AJ	Ok
50	P4732-02	PPE-COMP	PL092989.D	12 Nov 2024 00:10		AR\AJ	Ok
51	P4771-06	P-1	PL092990.D	12 Nov 2024 00:24		AR\AJ	Ok,NR
52	P4771-08	P-2	PL092991.D	12 Nov 2024 00:38		AR\AJ	Ok
53	I.BLK	I.BLK	PL092992.D	12 Nov 2024 00:52		AR\AJ	Ok
54	PSTDCCC050	PSTDCCC050	PL092993.D	12 Nov 2024 01:06		AR\AJ	Ok,NR

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164560

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 114771

Start Prep Date : 11/03/2024 **Time :** 14:00

End Prep Date : 11/04/2024 **Time :** 07:10

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: N/A

Final Room Temperature: N/A

TCLP Technician Signature : JP JP

Supervisor By : JP

Standared Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
HCL-TCLP,1N	N/A	WP108584
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. Tumbler T-1 /T-2 checled,30 rpm. Particle size reduction is not required. p4684-01 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/04/24 09:00	JP ICP ROOM	JP RJ IEH
	Preparation Group	**Analysis Group** METALS

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164560

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4640-04	MH-3	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
P4643-04	BP-F9-ADDITIONAL	02	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
P4643-08	BP-F8	03	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
P4643-12	TP-9	04	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-1
P4645-04	Z-02-WC	05	100.04	2000	N/A	N/A	N/A	7.2	1.0	T-1
P4659-04	MH-2	06	100.02	2000	N/A	N/A	N/A	7.0	1.5	T-1
P4660-03	WC-TA2-01-C	07	100.03	2000	N/A	N/A	N/A	11.5	1.0	T-1
P4660-07	WC-WOOD-01-C	08	100.04	2000	N/A	N/A	N/A	10.5	1.5	T-1
P4660-11	WC-CONCRETE-01-C	09	100.03	2000	N/A	N/A	N/A	7.6	1.0	T-1
P4667-04	BP-F-6	10	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
P4667-08	BP-F-5	11	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
P4667-12	BP-F-10	12	100.04	2000	N/A	N/A	N/A	5.8	1.5	T-2
P4667-16	BP-F-7	13	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
P4679-04	MH-1	14	100.02	2000	N/A	N/A	N/A	8.6	1.5	T-2
P4680-04	BP-F26	15	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
P4680-08	BP-F25	16	100.01	2000	N/A	N/A	N/A	7.2	1.0	T-2
P4682-02	BELL-SHOP-RAGS	17	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-2
P4684-01	MECHANIC-ST-SWEEPINGS	18	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
PB164560TB	LEB560	19	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4640-04	MH-3	N/A	N/A	N/A	N/A	100	N/A
P4643-04	BP-F9-ADDITIONAL	N/A	N/A	N/A	N/A	100	N/A
P4643-08	BP-F8	N/A	N/A	N/A	N/A	100	N/A
P4643-12	TP-9	N/A	N/A	N/A	N/A	100	N/A
P4645-04	Z-02-WC	N/A	N/A	N/A	N/A	100	N/A
P4659-04	MH-2	N/A	N/A	N/A	N/A	100	N/A
P4660-03	WC-TA2-01-C	N/A	N/A	N/A	N/A	100	N/A
P4660-07	WC-WOOD-01-C	N/A	N/A	N/A	N/A	100	N/A
P4660-11	WC-CONCRETE-01-C	N/A	N/A	N/A	N/A	100	N/A
P4667-04	BP-F-6	N/A	N/A	N/A	N/A	100	N/A
P4667-08	BP-F-5	N/A	N/A	N/A	N/A	100	N/A
P4667-12	BP-F-10	N/A	N/A	N/A	N/A	100	N/A
P4667-16	BP-F-7	N/A	N/A	N/A	N/A	100	N/A
P4679-04	MH-1	N/A	N/A	N/A	N/A	100	N/A
P4680-04	BP-F26	N/A	N/A	N/A	N/A	100	N/A
P4680-08	BP-F25	N/A	N/A	N/A	N/A	100	N/A
P4682-02	BELL-SHOP-RAGS	N/A	N/A	N/A	N/A	100	N/A
P4684-01	MECHANIC-ST-SWEEPINGS	N/A	N/A	N/A	N/A	100	N/A
PB164560TB	LEB560	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB164560

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4640-04	MH-3	5.02	96.5	5.5	1.5	#1	4.93
P4643-04	BP-F9-ADDITIONAL	5.01	96.5	9.1	4.0	#1	4.93
P4643-08	BP-F8	5.02	96.5	7.6	3.5	#1	4.93
P4643-12	TP-9	5.03	96.5	8.4	3.5	#1	4.93
P4645-04	Z-02-WC	5.02	96.5	9.1	4.0	#1	4.93
P4659-04	MH-2	5.01	96.5	9.0	4.0	#1	4.93
P4660-03	WC-TA2-01-C	5.02	96.5	12.0	4.5	#1	4.93
P4660-07	WC-WOOD-01-C	5.03	96.5	11.0	4.5	#1	4.93
P4660-11	WC-CONCRETE-01-C	5.04	96.5	9.0	4.0	#1	4.93
P4667-04	BP-F-6	5.02	96.5	8.4	3.5	#1	4.93
P4667-08	BP-F-5	5.01	96.5	8.2	3.0	#1	4.93
P4667-12	BP-F-10	5.02	96.5	8.2	3.0	#1	4.93
P4667-16	BP-F-7	5.03	96.5	8.6	3.5	#1	4.93
P4679-04	MH-1	5.04	96.5	8.6	3.5	#1	4.93
P4680-04	BP-F26	5.03	96.5	9.1	4.0	#1	4.93
P4680-08	BP-F25	5.04	96.5	8.6	4.0	#1	4.93
P4682-02	BELL-SHOP-RAGS	5.02	96.5	5.5	1.5	#1	4.93
P4684-01	MECHANIC-ST-SWEEPINGS	5.01	96.5	7.6	2.5	#1	4.93
PB164560TB	LEB560	N/A	N/A	N/A	N/A	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp p1640 **WorkList ID :** 185047 **Department :** TCLP Extraction **Date :** 11-03-2024 09:07:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4640-04	MH-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K61	10/30/2024	1311
P4643-04	BP-F9-ADDITIONAL	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/30/2024	1311
P4643-08	BP-F8	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/30/2024	1311
P4643-12	TP-9	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/30/2024	1311
P4645-04	Z-02-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/31/2024	1311
P4659-04	MH-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K61	10/31/2024	1311
P4680-08	BP-F25	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L12	11/01/2024	1311
P4682-02	BELL-SHOP-RAGS	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L13	11/01/2024	1311
P4684-01	MECHANIC-ST-SWEEPINGS	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L13	11/01/2024	1311
P4667-04	BP-F-6	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/31/2024	1311
P4667-08	BP-F-5	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/31/2024	1311
P4667-12	BP-F-10	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/31/2024	1311
P4667-16	BP-F-7	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/31/2024	1311
P4679-04	MH-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L11	11/01/2024	1311
P4680-04	BP-F26	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L12	11/01/2024	1311
P4660-03	WC-TA2-01-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	K41	10/30/2024	1311
P4660-07	WC-WOOD-01-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	K41	10/31/2024	1311
P4660-11	WC-CONCRETE-01-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	K41	10/31/2024	1311

Date/Time 11/03/24 10:00

Raw Sample Received by: JBJ WDC,

Raw Sample Relinquished by: SM

Date/Time 11/03/24 15:00

Raw Sample Received by: SM

Raw Sample Relinquished by: JBJ WDC,

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164753

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/06/2024
Matrix :	Water			**Extraction Start Time :**	10:35
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	11/06/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	16:50
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3574	**Hood ID:**	3,7	**Supervisor By :**	rajesh

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

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

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3823
Baked Na2SO4	N/A	EP2556
N/A	N/A	N/A
Hexane	N/A	E3825
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID:	Water bath -01	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/6/24	RP (Ext lab)	R. Post/ReB Cos
16:55	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164753

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/06/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164560TB	PB164560TB	TCLP Pesticide	100	6	RUPESH	rajesh	10			SEP-1
PB164753BL	PBLK753	TCLP Pesticide	1000	6	RUPESH	rajesh	10			2
PB164753BS	PLCS753	TCLP Pesticide	1000	6	RUPESH	rajesh	10			3
P4660-03	WC-TA2-01-C	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		4
P4660-03MS	WC-TA2-01-CMS	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		5
P4660-03MSD	WC-TA2-01-CMSD	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		6
P4660-07	WC-WOOD-01-C	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		7
P4660-11	WC-CONCRETE-01-C	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		

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

11/6/24

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164560

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4640-04	MH-3	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
P4643-04	BP-F9-ADDITIONAL	02	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
P4643-08	BP-F8	03	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
P4643-12	TP-9	04	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-1
P4645-04	Z-02-WC	05	100.04	2000	N/A	N/A	N/A	7.2	1.0	T-1
P4659-04	MH-2	06	100.02	2000	N/A	N/A	N/A	7.0	1.5	T-1
P4660-03	WC-TA2-01-C	07	100.03	2000	N/A	N/A	N/A	11.5	1.0	T-1
P4660-07	WC-WOOD-01-C	08	100.04	2000	N/A	N/A	N/A	10.5	1.5	T-1
P4660-11	WC-CONCRETE-01-C	09	100.03	2000	N/A	N/A	N/A	7.6	1.0	T-1
P4667-04	BP-F-6	10	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
P4667-08	BP-F-5	11	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
P4667-12	BP-F-10	12	100.04	2000	N/A	N/A	N/A	5.8	1.5	T-2
P4667-16	BP-F-7	13	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
P4679-04	MH-1	14	100.02	2000	N/A	N/A	N/A	8.6	1.5	T-2
P4680-04	BP-F26	15	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
P4680-08	BP-F25	16	100.01	2000	N/A	N/A	N/A	7.2	1.0	T-2
P4682-02	BELL-SHOP-RAGS	17	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-2
P4684-01	MECHANIC-ST-SWEEPINGS	18	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
PB164560TB	LEB560	19	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2

11/04/2024

091.0C

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

Prep Standard - Chemical Standard Summary

Order ID : P4660

Test : TCLP Pesticide

Prepbatch ID : PB164753,

Sequence ID/Qc Batch ID: PL110724,PL110824,PL111124,

Standard ID :
EP2556,PP23474,PP23476,PP23517,PP23638,PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683,PP23686,PP23687,PP23690,PP23693,PP23695,PP23698,PP23733,PP23793,PP23858,

Chemical ID :
E3551,E3762,E3770,E3788,E3792,E3805,E3815,E3823,E3825,P11145,P11146,P11896,P13035,P13036,P13039,P13244,P13349,P13350,P13351,P13359,P13402,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2556	11/03/2024	01/03/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 11/03/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

CHEMICAL RECEIPT LOG BOOK

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	05/09/2025	07/12/2024 / Rajesh	07/02/2024 / Rajesh	E3770

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

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

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

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

CHEMICAL RECEIPT LOG BOOK

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24I2662006	05/03/2025	11/03/2024 / Rajesh	10/24/2024 / Rajesh	E3823

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

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

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

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

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

CHEMICAL RECEIPT LOG BOOK

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

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

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

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

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

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

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

CHEMICAL RECEIPT LOG BOOK

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

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

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

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

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

CERTIFICATE OF ANALYSIS

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

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

COMMENTS

QC: PhC Irma Belmares

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

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

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

avantor™ | J.T.Baker®

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

Certificate of Analysis

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

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

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

Recd by RP on 6/14/24

E 3962

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

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

Certificate of Analysis

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

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

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

Recd. by RP on 7/21/24

E 3769

Ken Koehnlein
Sr. Manager, Quality Assurance

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

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

Certificate of Analysis

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

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

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

Recd. by RP on 8/13/24

E 3788

Ken Koehnlein
Sr. Manager, Quality Assurance

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

avantor™ | J.T.Baker®

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

Certificate of Analysis

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

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

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

Recd by RP on 09/11/24

E 3792

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

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

avantor™ | J.T.Baker®

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

Certificate of Analysis

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

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

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

Recd. by RP on 9/25/24

E3805

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

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

Certificate of Analysis

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

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

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

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24I2662006
Manufactured Date: 2024-08-29
Expiration Date:2025-11-28
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	3
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

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

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

E 3823

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor Performance Materials LLC

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

avantor™ | J.T.Baker®

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

Certificate of Analysis

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

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

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

E3825

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Chlordane Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

P 11892 ↓ P 11896 (5)

06/17/2022

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

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

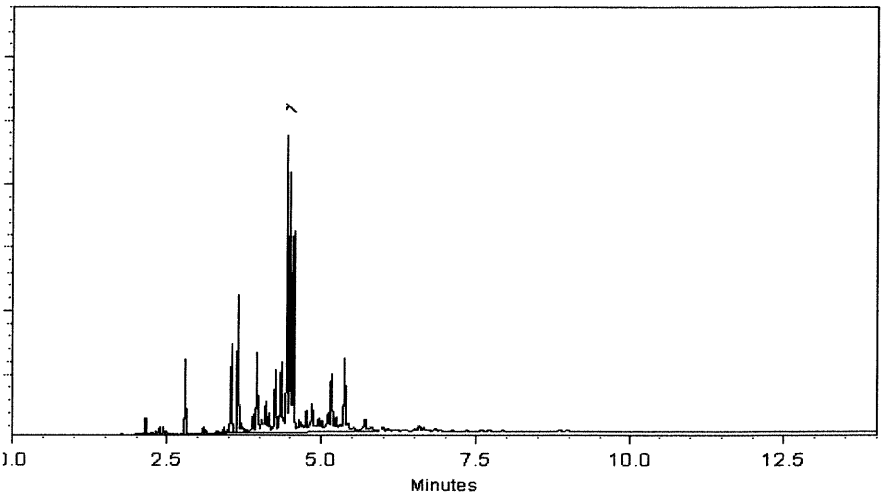
Carrier Gas:
helium-constant pressure 20 psi.

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

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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

Josh McCloskey - Operations Technician I

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

Marlina Cowan - Operations Tech I

Date Passed: 24-Feb-2022

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

P 11892 | (5)
↓
P 11896
1

06/17/2022

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

P130397 } 5
↓
P130431

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

Description : Organochlorine Pesticide Mix AB #1

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

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

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

Ship: Ambient

12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039 5
↓
P 13043 1
12/26/23

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

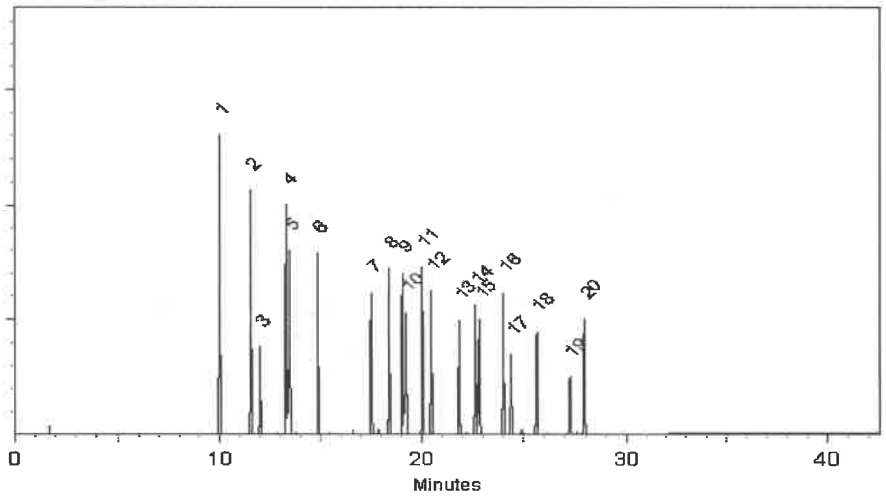
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 102821
Description: Mirex

Expiration Date: 102826
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

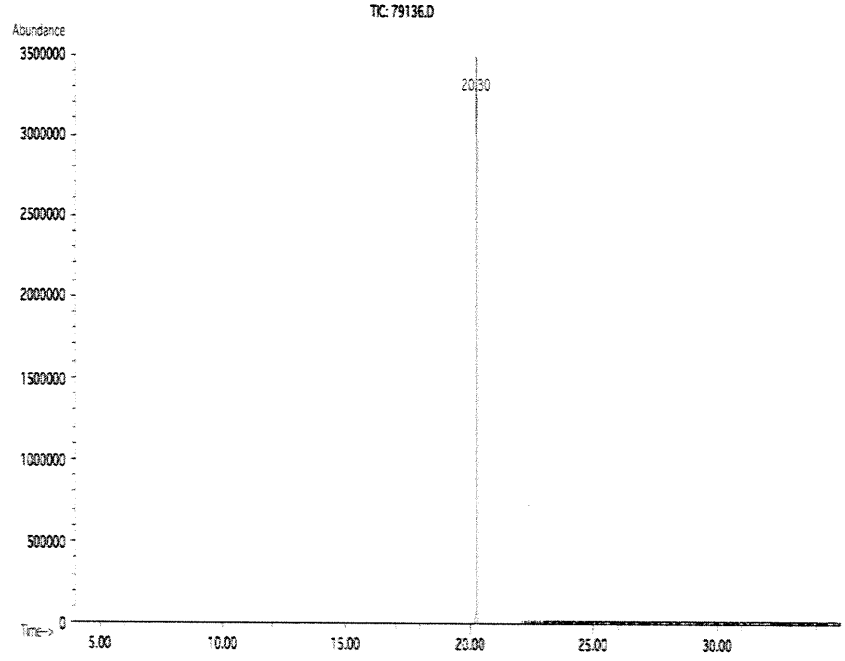
Solvent(s): **Lot#**
Acetone 81025

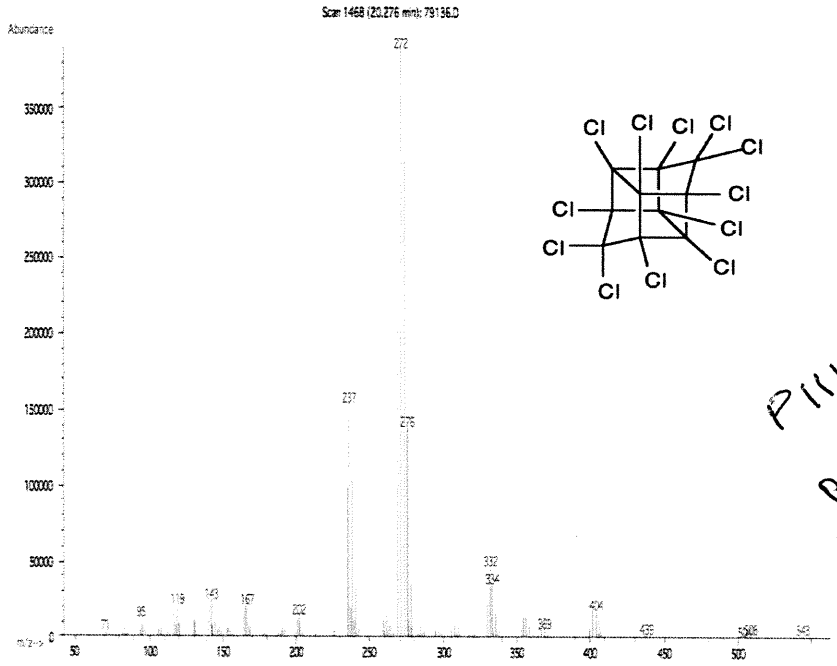
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

Eli Aliaga	102821
Formulated By: Eli Aliaga	DATE
Pedro Rentas	102821
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05039	1000.9	10.3	2385-85-5	N/A	orl-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.





P11142 To P11146
AR 11/02/21

- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 102821
Description: Mirex

Expiration Date: 102826
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

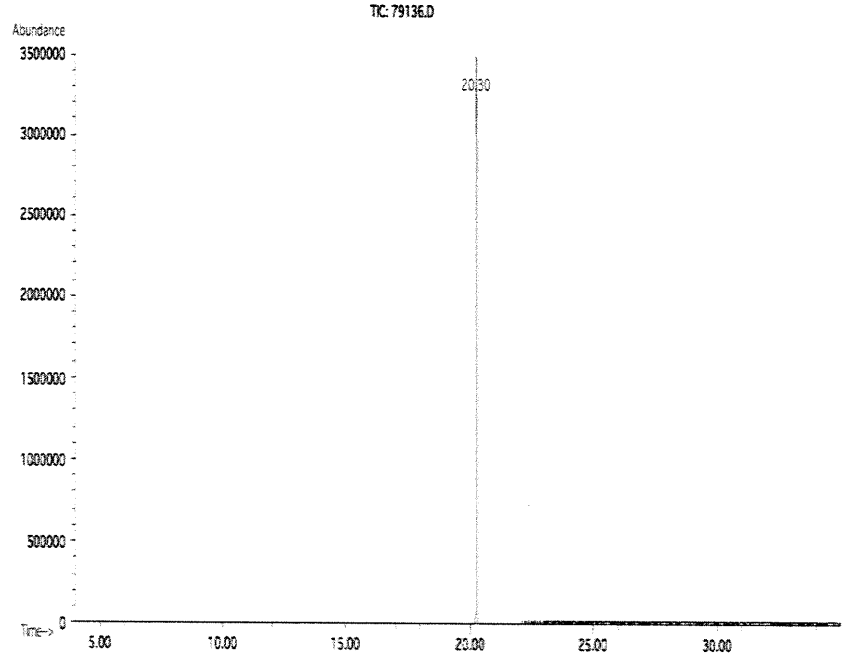
Solvent(s): **Lot#**
Acetone 81025

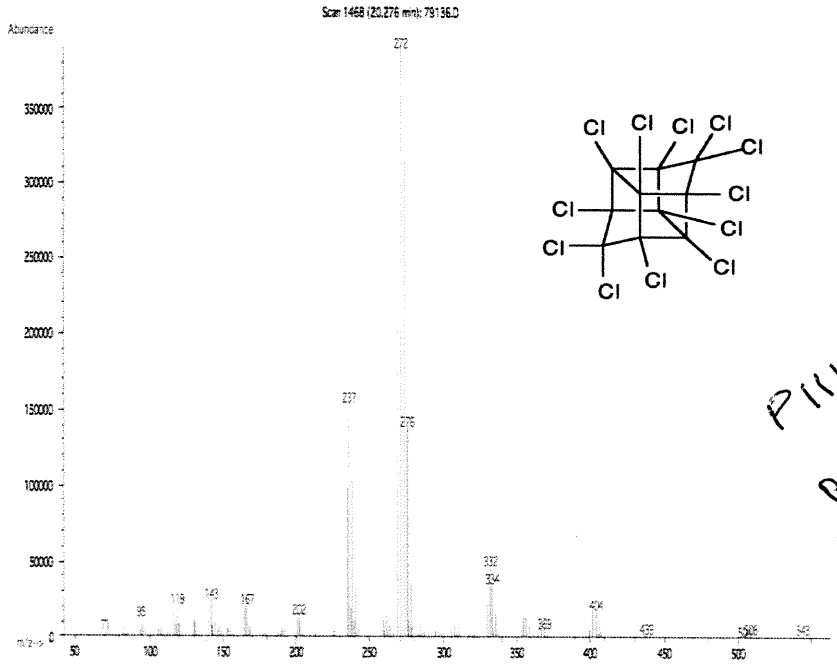
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

Eli Aliaga	102821
Formulated By: Eli Aliaga	DATE
Pedro Rentas	102821
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05039	1000.9	10.3	2385-85-5	N/A	orl-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.





P11142 To P11146
AR 11/02/21

- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

P 13034 ↓ P 13038 5

12.26.2023

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

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

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

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4	µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5	µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9	µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9	µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034) 5
↓
P13038 1

12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

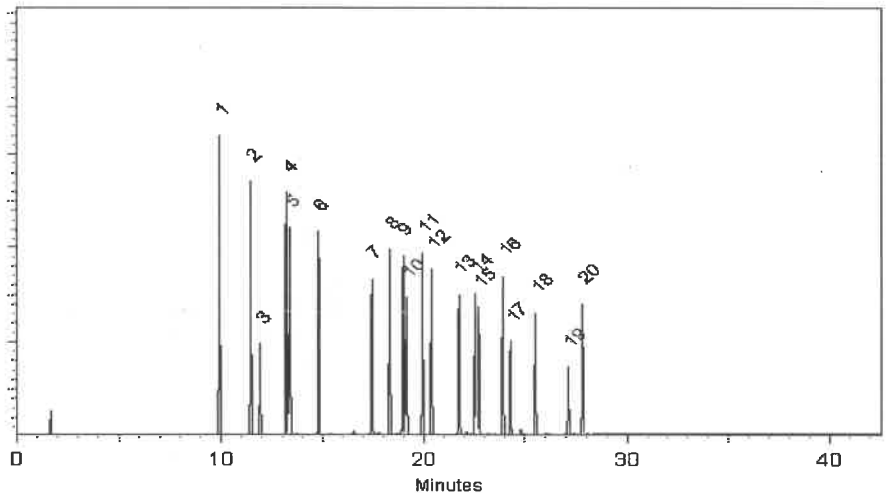
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

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

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

P 13034 ↓ P 13038 5

12.26.2023

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

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

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

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4	µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5	µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9	µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9	µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034) 5
↓
P13038 1

12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

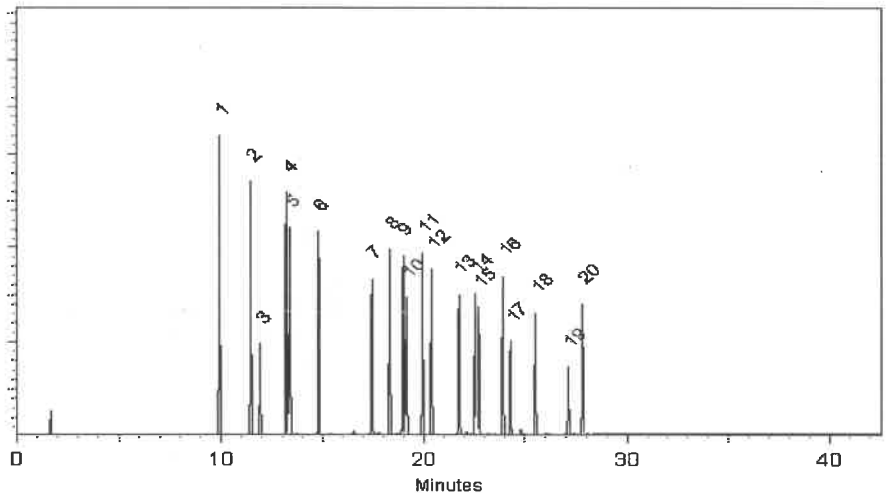
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 19161
Lot Number: 013124
Description: CLP Pesticides & PCB's Resolution Check Standard
9 components

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

Expiration Date: 013129
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 100.0 ± 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Formulated By:	Lawrence Barry	013124 DATE
Reviewed By:	Pedro L. Rentas	013124 DATE

	Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	orl-rat 500mg/kg
2.	Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	orl-rat 18mg/kg
3.	4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	orl-rat 880mg/kg
4.	Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	orl-rat 38300ug/kg
5.	Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	orl-rat 18mg/kg
6.	Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7.	4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	orl-rat 6000mg/kg
8.	2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9.	Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

P13243 } (5)
thru
P13247

02/9/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

P13348 ↓ P13357 (10)

04/25/2024

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

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

Carrier Gas:
hellum-constant pressure 20 psi.

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

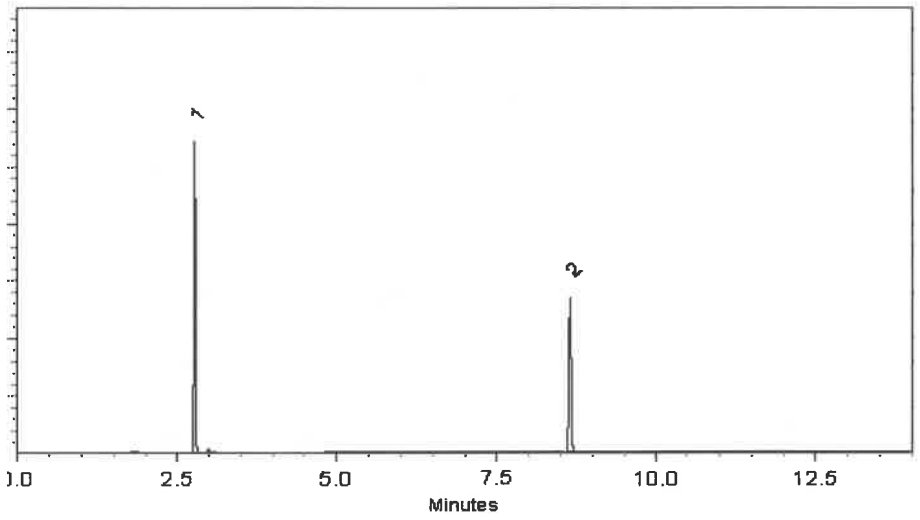
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P13348 (10)

↓

P13357

04/25/2025

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

P13348 ↓ P13357 (10)

04/25/2024

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

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

Carrier Gas:
hellum-constant pressure 20 psi.

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

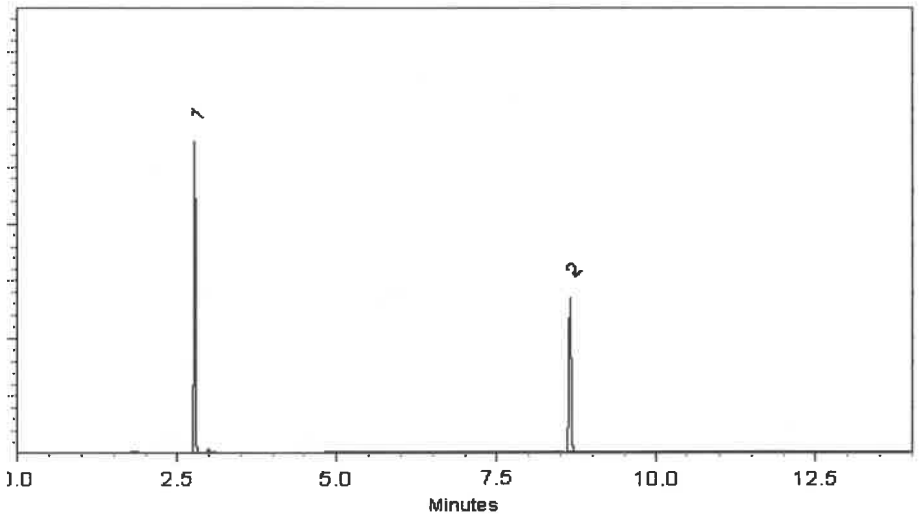
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P13348 (10)

↓

P13357

04/25/2025

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

P13348 ↓ P13357 (10)

04/25/2024

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

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

Carrier Gas:
hellum-constant pressure 20 psi.

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

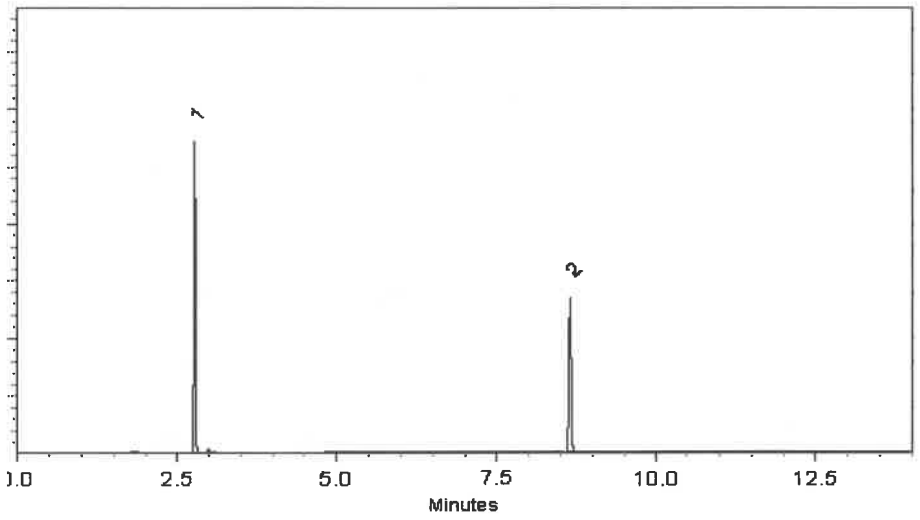
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P13348 (10)

↓

P13357

04/25/2025

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

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

P13358 (12)
↓
P13369

05-06-2024

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

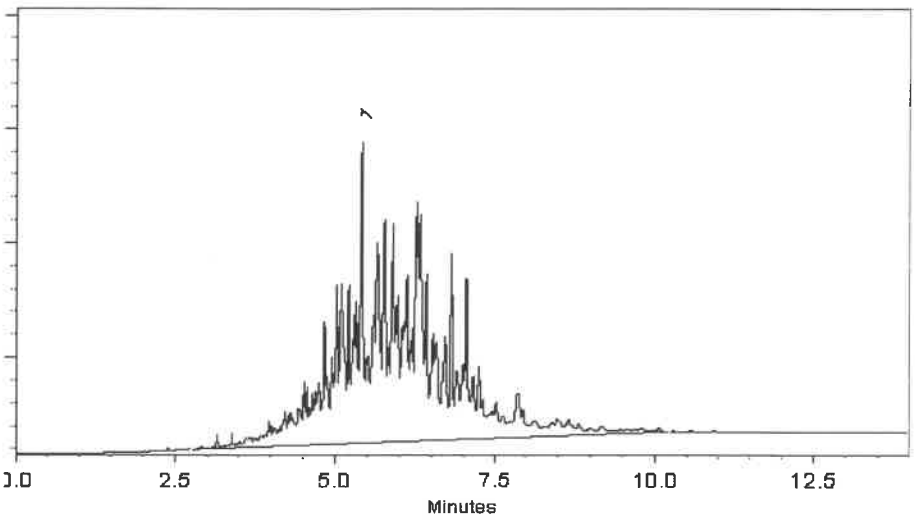
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



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

Dakota Parson - Operations Technician I **Date Mixed:** 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Oct-2023

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

P13358 (12)

P13369

05-06-2024

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

P13402 & P13406 (5)

5/22/2024

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

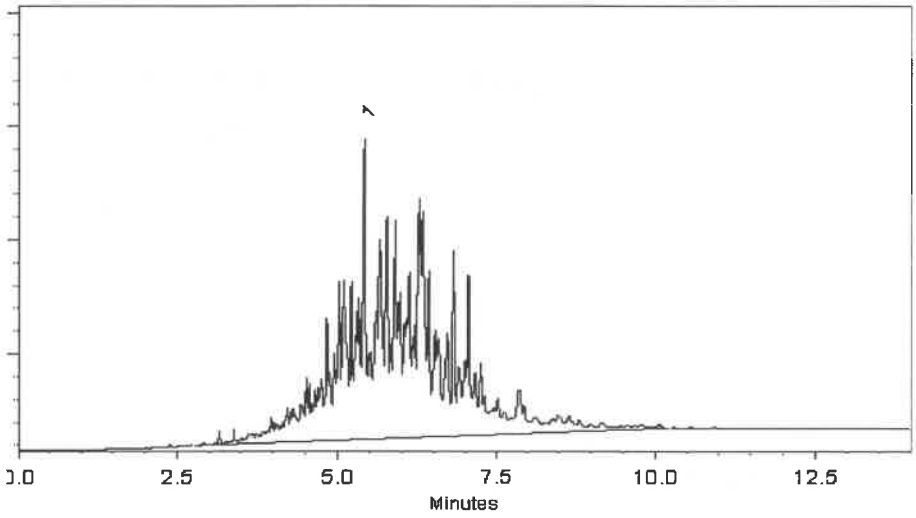
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



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

Dakota Parson - Operations Technician I **Date Mixed:** 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Oct-2023

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

P13402
↓
P13406
5

5/22/2024

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: P46460

COC Number: 2042101

CLIENT INFORMATION

COMPANY: ENTACT, LLC
ADDRESS: 150 Bay Street, Suite 806
CITY: Jersey City STATE: NJ ZIP: 07302
ATTENTION: Jarod Stanfield
PHONE: 570-886-0442 FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY
PROJECT #: E9309 LOCATION: Brooklyn, NY
PROJECT MANAGER: Jarod Stanfield
E-MAIL: jstanfield@entact.com
PHONE: 570-886-0442 FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC PO# E9309
ADDRESS: 999 Oakmont Plaza Drive, Suite 300
CITY: Westmont STATE: IL ZIP: 60559
ATTENTION: Wendy Murray PHONE: 800-936-8228

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*
HARD COPY: _____ DAYS*
EDD 5 DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☑ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD Format _____
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other _____

ANALYSIS

1	2	3	4	5	6	7	8	9
TCLP VOCs	TCLP ICP Metals	TCLP Herb	TCLP Pest	TCLP SVOCs	TCLP pH	I/C/R	PCBs	Oil & Grease

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.	WC-TA2-01-G	Soil		X	10/28	15:15	1	X									<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
2.	WC-TA2-01-C	Soil	X		10/30	13:30	11		X	X	X	X	X	X	X	X	
3.	WC-Wood-01-G	Solid		X	10/31	12:30	1	X									
4.	WC-Wood-01-C	Solid	X		10/31	13:30	11		X	X	X	X	X	X	X	X	
5.	WC-Concrete-01-G	Solid		X	10/31	14:30	1	X									
6.	WC-Concrete-01-C	Solid	X		10/31	15:30	12		X	X	X	X	X	X	X	X	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY	
1. Jarod Stanfield	10/31 13:21	1.	1325 10-31-24
RELINQUISHED BY	DATE/TIME	RECEIVED BY	
2.		2.	
RELINQUISHED BY	DATE/TIME 1850	RECEIVED FOR LAB BY	
3.	10-31-24	3.	

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.1 C ☐ Ice in Cooler?: _____

Comments:

Page _____ of _____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☑ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR RETURN TO CLIENT **YELLOW** - ALLIANCE COPY **PINK** - SAMPLER COPY

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: P46660

COC Number: 2042101

CLIENT INFORMATION

COMPANY: ENTACT, LLC
ADDRESS: 150 Bay Street, Suite 806
CITY Jersey City STATE: NJ ZIP: 07302
ATTENTION: Jarod Stanfield
PHONE: 570-886-0442 FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY
PROJECT #: E9309 LOCATION: Brooklyn, NY
PROJECT MANAGER: Jarod Stanfield
E-MAIL: jstanfield@entact.com
PHONE: 570-886-0442 FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC PO# E9309
ADDRESS: 999 Oakmont Plaza Drive, Suite 300
CITY: Westmont STATE: IL ZIP: 60559
ATTENTION: Wendy Murray PHONE: 800-936-8228

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*
HARD COPY: DAYS*
EDD 5 DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESELTS ONLY
- ☑ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

ANALYSIS

ASTM COD	ASTM Ammonia-Nitrogen	ASTM O&G	ASTM TS	TS, TVS	pH	Paint Filter		
10	11	12	13	14	15	16		

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
								E	E	E	E	E	E	E		
1.	WC-TA2-01-G	Soil		X	10/28	15:15	1									
2.	WC-TA2-01-C	Soil	X		10/30	13:30	11	X	X	X	X	X	X	X		
3.	WC-Wood-01-G	Solid		X	10/31	12:30	1									
4.	WC-Wood-01-C	Solid	X		10/31	13:30	11	X	X	X	X	X	X	X		
5.	WC-Concrete-01-G	Solid		X	10/31	14:30	1									
6.	WC-Concrete-01-C	Solid	X		10/31	15:30	12	X	X	X	X	X	X	X		
7.																
8.																
9.																
10.																

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. Jarod Stanfield	10/31 1320	1. 10-31-24 1325
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	10-31-24 1850	3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.1 C
☐ Ice in Cooler?:
Comments:

Page of

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☑ Picked Up ☐ Overnight

Shipment Complete
☐ YES ☐ NO

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

Laboratory Certification

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