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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-03	**WC-1(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
P4722-08	**WC-2(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
P4722-13	**WC-3(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	

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Hit Summary Sheet
SW-846

SDG No.: P4722 **Order ID:** P4722

Client: Walsh Construction Company II, LLC **Project ID:** NYCDEP C547A - Shafts 17B-1 & 18B

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC-1(0-6)								
P4722-03	WC-1(0-6)	SOIL	4,4-DDE	2.40	JP	1.40	18.1	ug/kg
P4722-03	WC-1(0-6)	SOIL	4,4-DDD	4.20	J	2.00	18.1	ug/kg
			Total Concentration:	**6.600**				
Client ID : WC-2(0-6)								
P4722-08	WC-2(0-6)	SOIL	Endosulfan Sulfate	0.80	J	0.14	1.90	ug/kg
			Total Concentration:	**0.800**				

QC SUMMARY

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

SDG No.: P4722

Client: Walsh Construction Company II, LLC

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		43	140
		Tetrachloro-m-xylene	1	20	21.6	108		77	126
		Decachlorobiphenyl	2	20	21.7	109		43	140
		Tetrachloro-m-xylene	2	20	20.4	102		77	126
I.BLK-PL092886.D	PIBLK-PL092886.D	Decachlorobiphenyl	1	20	20.5	103		43	140
		Tetrachloro-m-xylene	1	20	20.4	102		77	126
		Decachlorobiphenyl	2	20	19.2	96		43	140
		Tetrachloro-m-xylene	2	20	19.5	98		77	126
PB164749BL	PB164749BL	Decachlorobiphenyl	1	20	22.4	112		10	148
		Tetrachloro-m-xylene	1	20	20.9	104		10	159
		Decachlorobiphenyl	2	20	22.3	111		10	148
		Tetrachloro-m-xylene	2	20	20.1	101		10	159
PB164749BS	PB164749BS	Decachlorobiphenyl	1	20	19.3	96		10	148
		Tetrachloro-m-xylene	1	20	18.2	91		10	159
		Decachlorobiphenyl	2	20	19.1	96		10	148
		Tetrachloro-m-xylene	2	20	16.9	85		10	159
P4720-01MS	JC-701-COMP-01MS	Decachlorobiphenyl	1	20	13.5	67		10	148
		Tetrachloro-m-xylene	1	20	15.1	75		10	159
		Decachlorobiphenyl	2	20	14.3	72		10	148
		Tetrachloro-m-xylene	2	20	10.8	54		10	159
P4720-01MSD	JC-701-COMP-01MSD	Decachlorobiphenyl	1	20	13.4	67		10	148
		Tetrachloro-m-xylene	1	20	15.2	76		10	159
		Decachlorobiphenyl	2	20	14.4	72		10	148
		Tetrachloro-m-xylene	2	20	10.9	55		10	159
I.BLK-PL092903.D	PIBLK-PL092903.D	Decachlorobiphenyl	1	20	18.5	92		43	140
		Tetrachloro-m-xylene	1	20	20.5	103		77	126
		Decachlorobiphenyl	2	20	17.0	85		43	140
		Tetrachloro-m-xylene	2	20	19.4	97		77	126
P4722-08	WC-2(0-6)	Decachlorobiphenyl	1	20	16.1	81		10	148
		Tetrachloro-m-xylene	1	20	13.9	69		10	159
		Decachlorobiphenyl	2	20	12.6	63		10	148
		Tetrachloro-m-xylene	2	20	15.4	77		10	159
I.BLK-PL092911.D	PIBLK-PL092911.D	Decachlorobiphenyl	1	20	19.1	96		43	140
		Tetrachloro-m-xylene	1	20	20.0	100		77	126
		Decachlorobiphenyl	2	20	17.3	86		43	140
		Tetrachloro-m-xylene	2	20	19.5	98		77	126
P4722-03	WC-1(0-6)	Decachlorobiphenyl	1	20	19.7	99		10	148
		Tetrachloro-m-xylene	1	20	14.9	75		10	159
		Decachlorobiphenyl	2	20	16.6	83		10	148
		Tetrachloro-m-xylene	2	20	16.2	81		10	159
P4722-13	WC-3(0-6)	Decachlorobiphenyl	1	20	18.2	91		10	148

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Surrogate Summary

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
P4722-13	WC-3(0-6)	Tetrachloro-m-xylene	1	20	15.1	76		10	159
		Decachlorobiphenyl	2	20	13.2	66		10	148
		Tetrachloro-m-xylene	2	20	15.1	76		10	159
I.BLK-PL092915.D	PIBLK-PL092915.D	Decachlorobiphenyl	1	20	20.3	101		43	140
		Tetrachloro-m-xylene	1	20	20.5	103		77	126
		Decachlorobiphenyl	2	20	18.7	93		43	140
		Tetrachloro-m-xylene	2	20	20.1	100		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B **DataFile :** PL092900.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**JC-701-COMP-01MS**											
P4720-01MS	alpha-BHC	18.35	0	16.4	ug/kg	89				60	144	
	beta-BHC	18.35	0	19.0	ug/kg	104				54	143	
	delta-BHC	18.35	0	4.60	ug/kg	25	*			47	144	
	gamma-BHC (Lindane)	18.35	0	16.7	ug/kg	91				61	140	
	Heptachlor	18.35	0	19.3	ug/kg	105				63	135	
	Aldrin	18.35	0	18.3	ug/kg	100				49	139	
	Heptachlor epoxide	18.35	0	18.6	ug/kg	101				32	180	
	Endosulfan I	18.35	0	17.9	ug/kg	98				56	142	
	Dieldrin	18.35	0	20.8	ug/kg	113				47	161	
	4,4'-DDE	18.35	7.3	25.7	ug/kg	100				55	136	
	Endrin	18.35	0	21.7	ug/kg	118				57	139	
	Endosulfan II	18.35	0	20.0	ug/kg	109				40	163	
	4,4'-DDD	18.35	0	20.3	ug/kg	111				37	192	
	Endosulfan sulfate	18.35	0	15.7	ug/kg	86				62	139	
	4,4'-DDT	18.35	14.8	31.9	ug/kg	93				51	146	
	Methoxychlor	18.35	0	18.1	ug/kg	99				54	136	
	Endrin ketone	18.35	0	18.0	ug/kg	98				60	129	
	Endrin aldehyde	18.35	0	18.5	ug/kg	101				59	132	
	alpha-Chlordane	18.35	0	19.2	ug/kg	105				30	192	
	gamma-Chlordane	18.35	0	20.2	ug/kg	110				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B **DataFile :** PL092901.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**JC-701-COMP-01MSD**											
P4720-01MSD	alpha-BHC	18.37	0	16.7	ug/kg	91		2		60	144	20
	beta-BHC	18.37	0	19.6	ug/kg	107		3		54	143	20
	delta-BHC	18.37	0	4.60	ug/kg	25	*	0		47	144	20
	gamma-BHC (Lindane)	18.37	0	17.1	ug/kg	93		2		61	140	20
	Heptachlor	18.37	0	19.7	ug/kg	107		2		63	135	20
	Aldrin	18.37	0	18.8	ug/kg	102		2		49	139	20
	Heptachlor epoxide	18.37	0	19.0	ug/kg	103		2		32	180	20
	Endosulfan I	18.37	0	18.1	ug/kg	99		1		56	142	20
	Dieldrin	18.37	0	21.4	ug/kg	116		3		47	161	20
	4,4'-DDE	18.37	7.3	26.2	ug/kg	103		3		55	136	20
	Endrin	18.37	0	22.0	ug/kg	120		2		57	139	20
	Endosulfan II	18.37	0	20.5	ug/kg	112		3		40	163	20
	4,4'-DDD	18.37	0	20.5	ug/kg	112		1		37	192	20
	Endosulfan sulfate	18.37	0	16.1	ug/kg	88		2		62	139	20
	4,4'-DDT	18.37	14.8	32.5	ug/kg	96		3		51	146	20
	Methoxychlor	18.37	0	19.4	ug/kg	106		7		54	136	20
	Endrin ketone	18.37	0	18.5	ug/kg	101		3		60	129	20
	Endrin aldehyde	18.37	0	18.8	ug/kg	102		1		59	132	20
	alpha-Chlordane	18.37	0	19.7	ug/kg	107		2		30	192	20
	gamma-Chlordane	18.37	0	20.8	ug/kg	113		3		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B **Datafile :** PL092898.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164749BS	alpha-BHC	16.66	16.1	ug/kg	97				84	123	
	beta-BHC	16.66	16.7	ug/kg	100				82	123	
	delta-BHC	16.66	14.3	ug/kg	86				83	126	
	gamma-BHC (Lindane)	16.66	16.0	ug/kg	96				83	125	
	Heptachlor	16.66	17.0	ug/kg	102				83	122	
	Aldrin	16.66	16.3	ug/kg	98				82	124	
	Heptachlor epoxide	16.66	16.7	ug/kg	100				83	120	
	Endosulfan I	16.66	17.1	ug/kg	103				81	124	
	Dieldrin	16.66	17.2	ug/kg	103				85	121	
	4,4'-DDE	16.66	17.2	ug/kg	103				81	123	
	Endrin	16.66	17.8	ug/kg	107				76	130	
	Endosulfan II	16.66	17.7	ug/kg	106				80	125	
	4,4'-DDD	16.66	17.7	ug/kg	106				80	131	
	Endosulfan sulfate	16.66	17.1	ug/kg	103				81	122	
	4,4'-DDT	16.66	17.7	ug/kg	106				70	129	
	Methoxychlor	16.66	17.1	ug/kg	103				60	119	
	Endrin ketone	16.66	17.3	ug/kg	104				77	132	
	Endrin aldehyde	16.66	16.7	ug/kg	100				79	124	
	alpha-Chlordane	16.66	17.1	ug/kg	103				84	120	
	gamma-Chlordane	16.66	17.2	ug/kg	103				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164749BL

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab Sample ID: PB164749BL Lab File ID: PL092897.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 11/07/2024

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

Time Analyzed (1): 13:52 Time Analyzed (2): 13:52

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164749BS	PB164749BS	PL092898.D	11/07/2024	11/07/2024
JC-701-COMP-01MS	P4720-01MS	PL092900.D	11/07/2024	11/07/2024
JC-701-COMP-01MSD	P4720-01MSD	PL092901.D	11/07/2024	11/07/2024
WC-2(0-6)	P4722-08	PL092905.D	11/07/2024	11/07/2024
WC-1(0-6)	P4722-03	PL092913.D	11/07/2024	11/07/2024
WC-3(0-6)	P4722-13	PL092914.D	11/07/2024	11/07/2024

COMMENTS:

SAMPLE DATA

Raw Data: **PL092913.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092913.D	10	11/07/24 08:40	11/07/24 17:55	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	1.90	U	1.90	18.1	ug/kg
319-85-7	beta-BHC	5.20	U	5.20	18.1	ug/kg
319-86-8	delta-BHC	5.00	U	5.00	18.1	ug/kg
58-89-9	gamma-BHC (Lindane)	2.00	U	2.00	18.1	ug/kg
76-44-8	Heptachlor	1.80	U	1.80	18.1	ug/kg
309-00-2	Aldrin	1.50	U	1.50	18.1	ug/kg
1024-57-3	Heptachlor epoxide	2.40	U	2.40	18.1	ug/kg
959-98-8	Endosulfan I	1.80	U	1.80	18.1	ug/kg
60-57-1	Dieldrin	1.60	U	1.60	18.1	ug/kg
72-55-9	4,4-DDE	2.40	JP	1.40	18.1	ug/kg
72-20-8	Endrin	1.70	U	1.70	18.1	ug/kg
33213-65-9	Endosulfan II	3.20	U	3.20	18.1	ug/kg
72-54-8	4,4-DDD	4.20	J	2.00	18.1	ug/kg
1031-07-8	Endosulfan Sulfate	1.40	U	1.40	18.1	ug/kg
50-29-3	4,4-DDT	1.80	U	1.80	18.1	ug/kg
72-43-5	Methoxychlor	4.00	U	4.00	18.1	ug/kg
53494-70-5	Endrin ketone	2.30	U	2.30	18.1	ug/kg
7421-93-4	Endrin aldehyde	4.10	U	4.10	18.1	ug/kg
5103-71-9	alpha-Chlordane	1.80	U	1.80	18.1	ug/kg
5103-74-2	gamma-Chlordane	2.00	U	2.00	18.1	ug/kg
8001-35-2	Toxaphene	55.5	U	55.5	351	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.7		10 - 148	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.2		10 - 159	81%	SPK: 20

Raw Data: **PL092913.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092913.D	10	11/07/24 08:40	11/07/24 17:55	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Sample Results: **PL092913.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092913.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 17:55
Operator : AR\AJ
Sample : P4722-03 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-1(0-6)

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 08 01:31:58 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	3649833	4396296	1.490	1.616
28) SA	Decachlor...	9.057	7.917	3787190	4523166	1.968	1.657
	Target Compounds						
12) B	4,4'-DDE	6.190	5.235	1222170	2179950	0.516m	0.677 #
16) A	4,4'-DDD	6.716	5.788	2288593	1000360	1.192m	0.402 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092913.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 17:55
Operator : AR\AJ
Sample : P4722-03 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

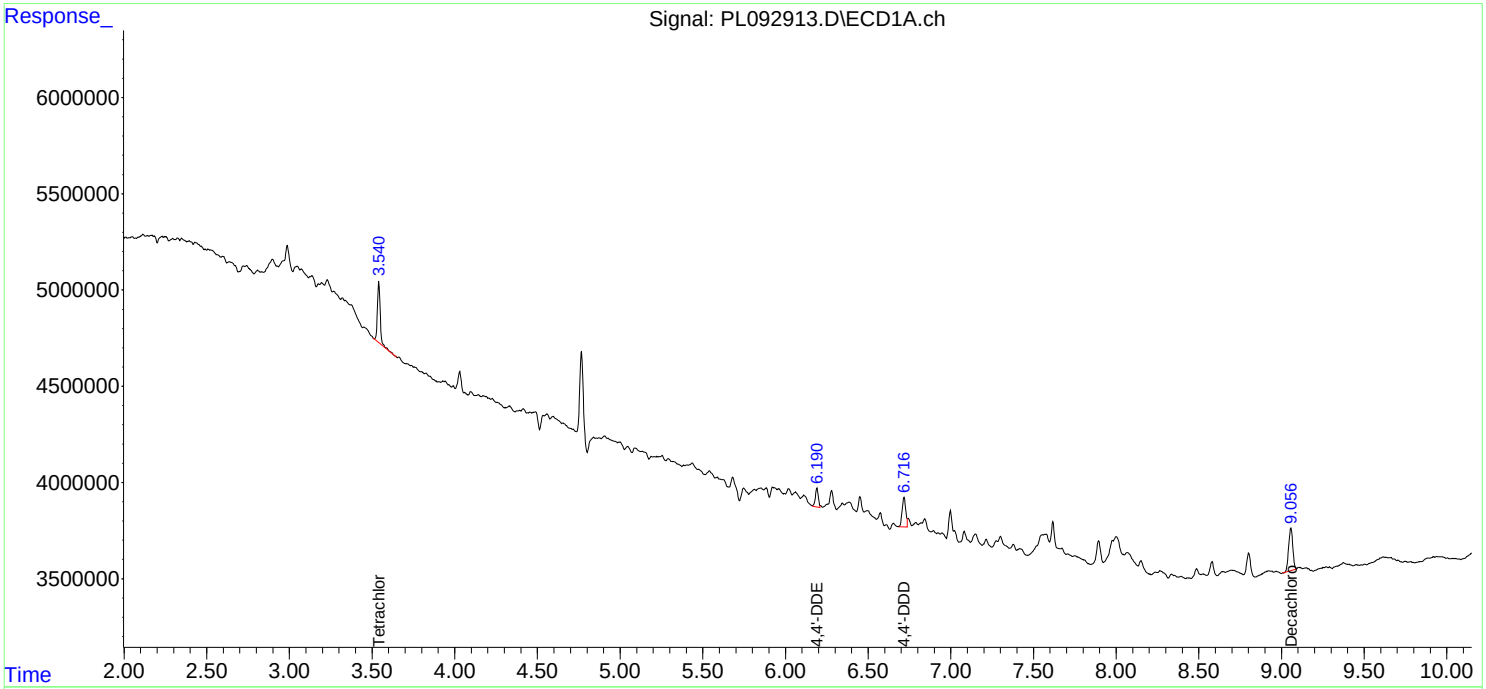
Instrument :
ECD_L
ClientSampleId :
WC-1(0-6)

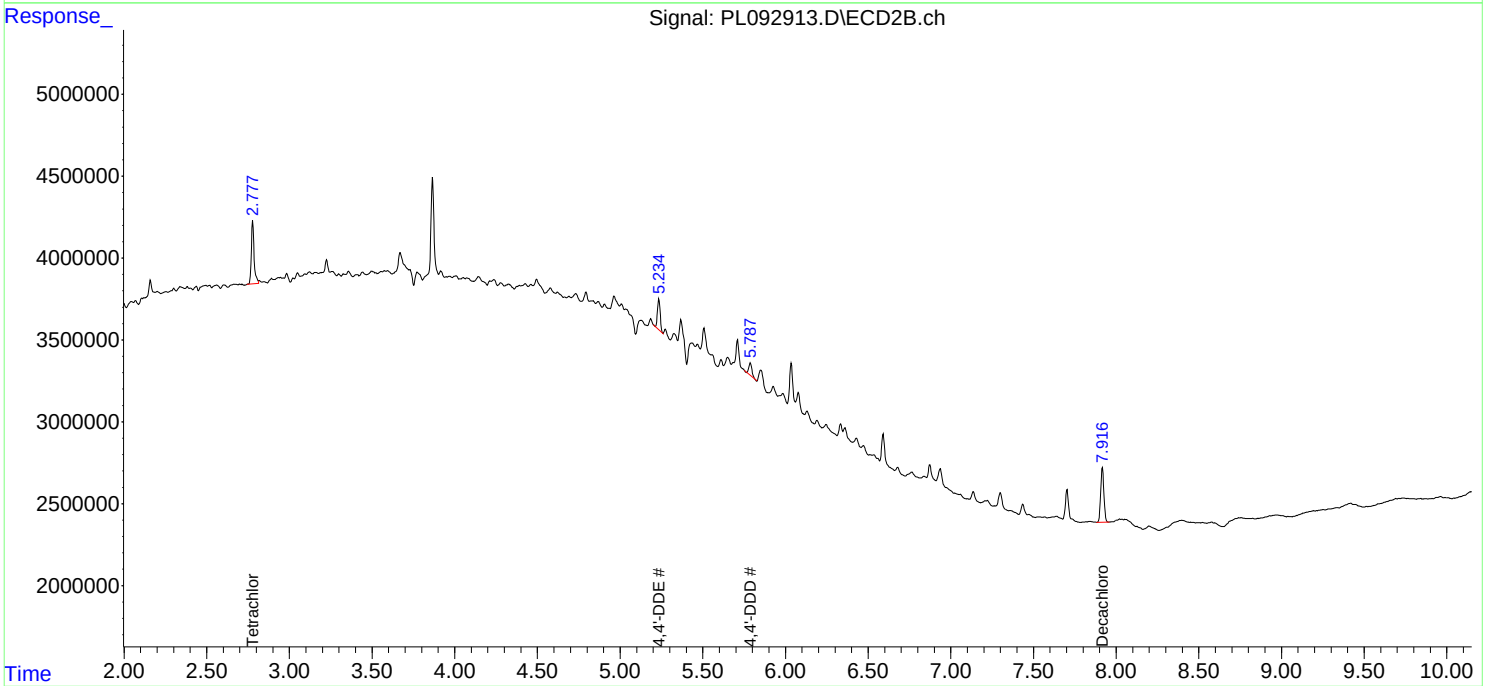
Manual Integrations APPROVED

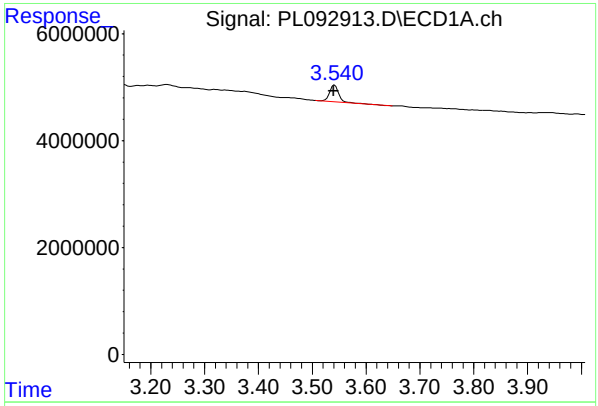
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 01:31:58 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







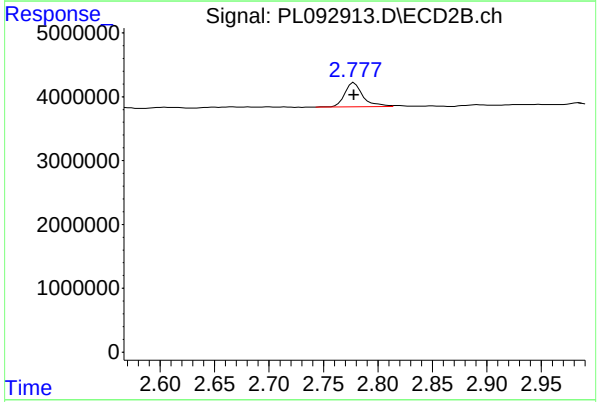
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: 0.002 min
Response: 3649833
Conc: 1.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-1(0-6)

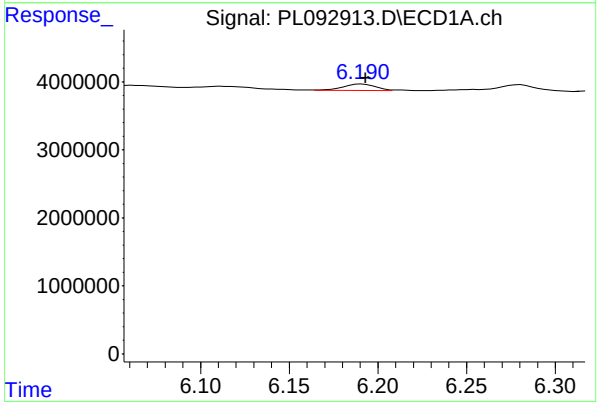
Manual Integrations
APPROVED

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



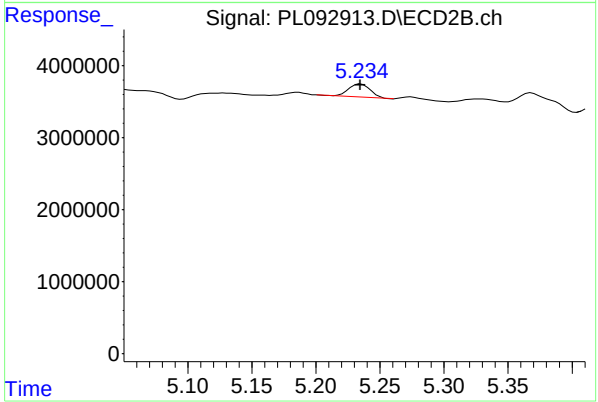
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 4396296
Conc: 1.62 ng/ml



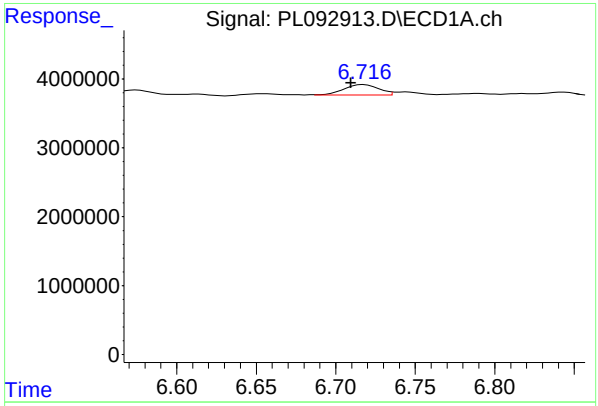
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.003 min
Response: 1222170
Conc: 0.52 ng/ml m



#12 4,4'-DDE

R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 2179950
Conc: 0.68 ng/ml



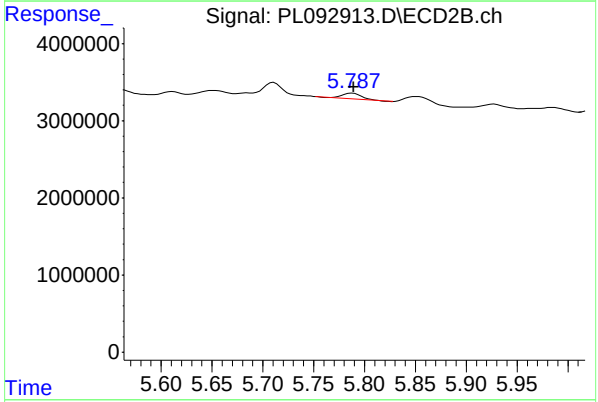
#16 4,4'-DDD

R.T.: 6.716 min
Delta R.T.: 0.007 min
Response: 2288593
Conc: 1.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-1(0-6)

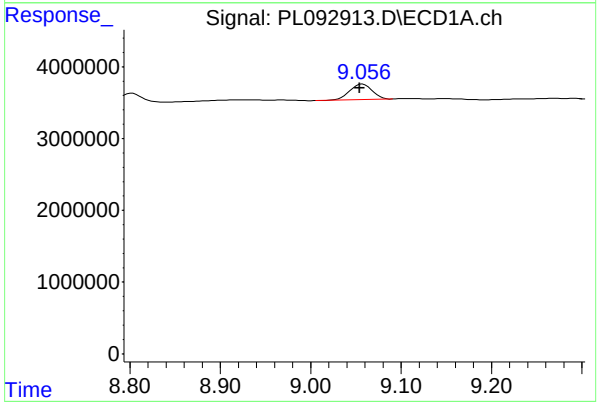
Manual Integrations
APPROVED

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



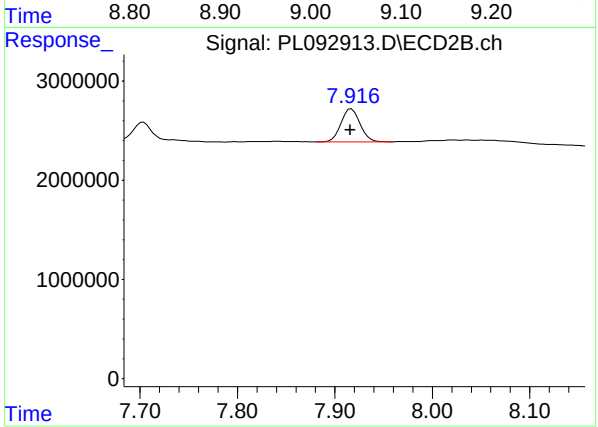
#16 4,4'-DDD

R.T.: 5.788 min
Delta R.T.: -0.001 min
Response: 1000360
Conc: 0.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.003 min
Response: 3787190
Conc: 1.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.001 min
Response: 4523166
Conc: 1.66 ng/ml

Raw Data: **PL092905.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-08	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.1 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092905.D	1	11/07/24 08:40	11/07/24 16:04	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.20	U	0.20	1.90	ug/kg
319-85-7	beta-BHC	0.54	U	0.54	1.90	ug/kg
319-86-8	delta-BHC	0.52	U	0.52	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.21	U	0.21	1.90	ug/kg
76-44-8	Heptachlor	0.19	U	0.19	1.90	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	1.90	ug/kg
959-98-8	Endosulfan I	0.19	U	0.19	1.90	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	1.90	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.90	ug/kg
72-20-8	Endrin	0.18	U	0.18	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.21	U	0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.80	J	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.19	U	0.19	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.19	U	0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.21	U	0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	36.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.1		10 - 148	81%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.4		10 - 159	77%	SPK: 20

Raw Data: **PL092905.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-08	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.1 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092905.D	1	11/07/24 08:40	11/07/24 16:04	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092905.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092905.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 16:04
Operator : AR\AJ
Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-2(0-6)

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 08 02:53:34 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...	3.546	2.777	33963850	42019732	13.861m	15.442m
28)	SA Decachlor...	9.065	7.920	31023227	34464913	16.120m	12.628
	Target Compounds						
19)	B Endosulfa...	7.146	6.336	4741269	5585736	2.185	2.071

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092905.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 16:04
Operator : AR\AJ
Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

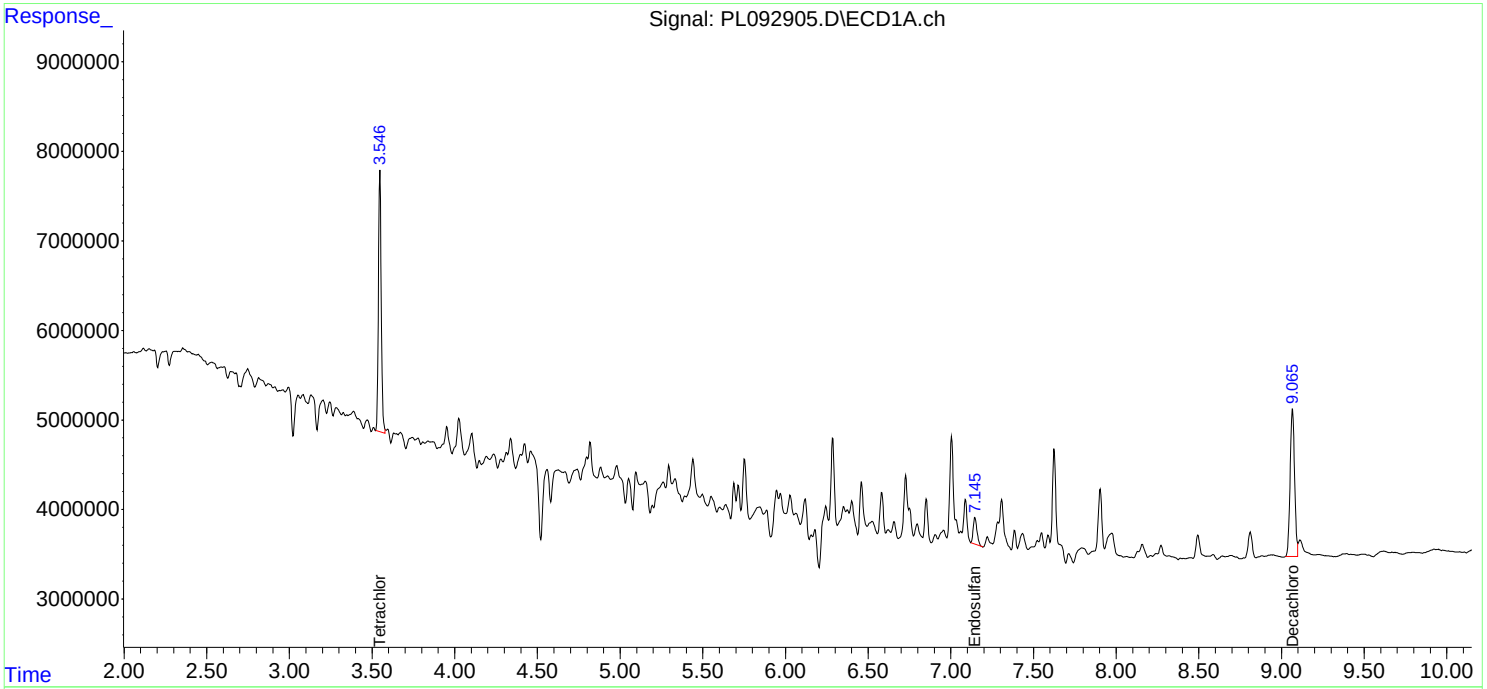
Instrument :
ECD_L
ClientSampleId :
WC-2(0-6)

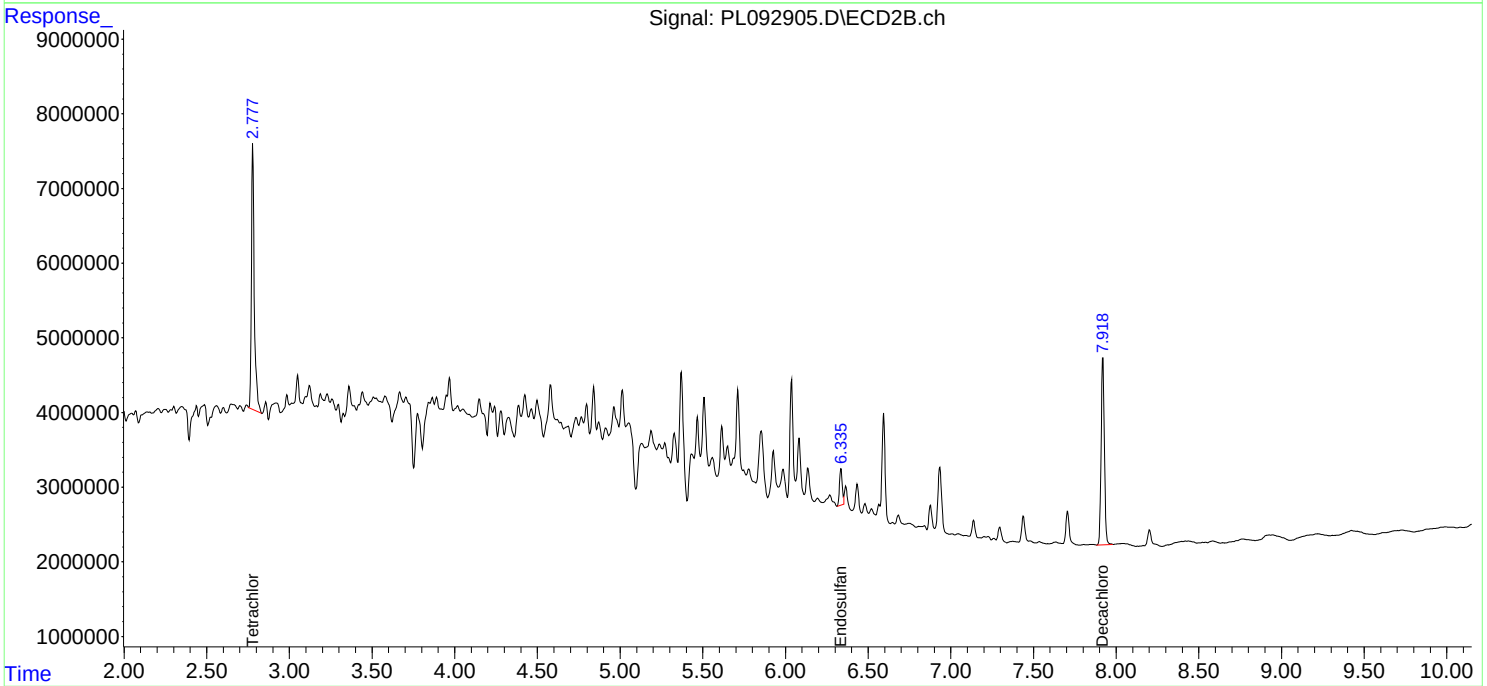
Manual Integrations APPROVED

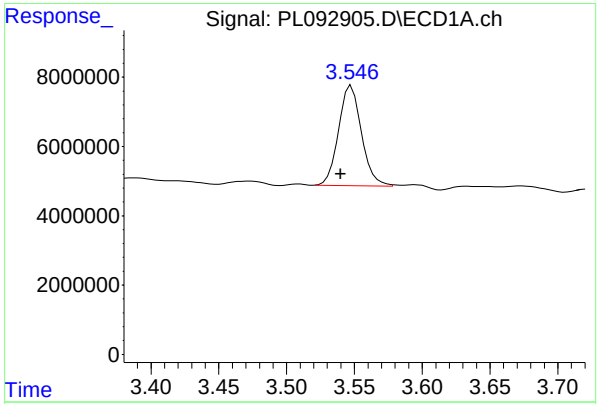
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 02:53:34 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







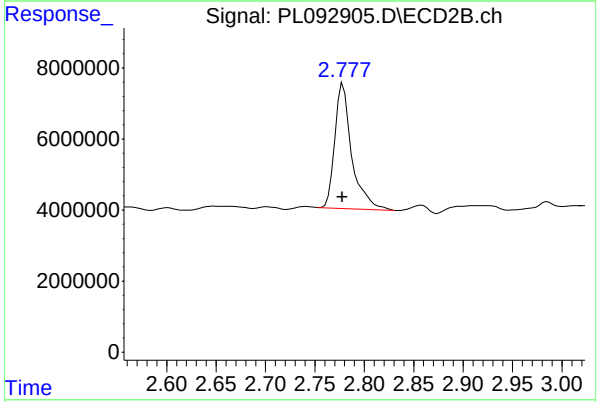
#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.006 mi
Response: 33963850
Conc: 13.86 ng/m

Instrument :
ECD_L
ClientSampleId :
WC-2(0-6)

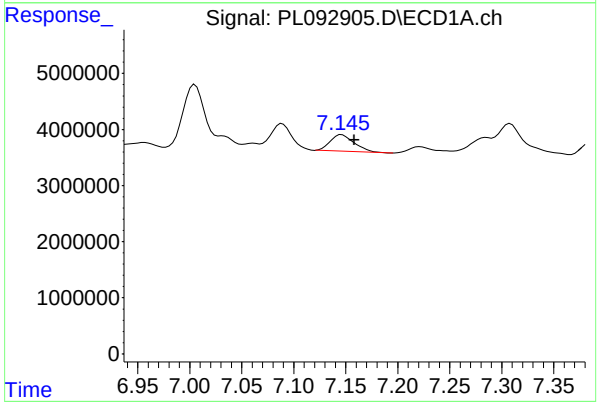
Manual Integrations
APPROVED

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



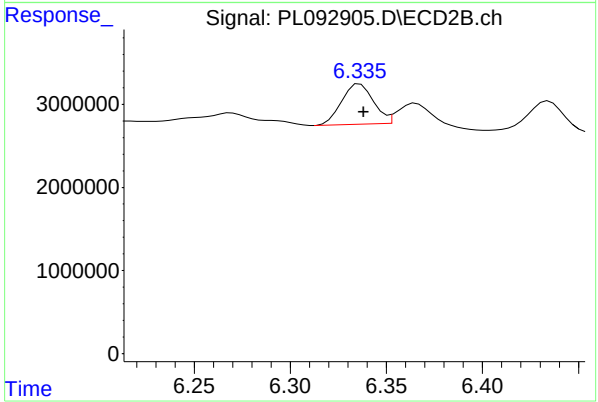
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 42019732
Conc: 15.44 ng/ml m



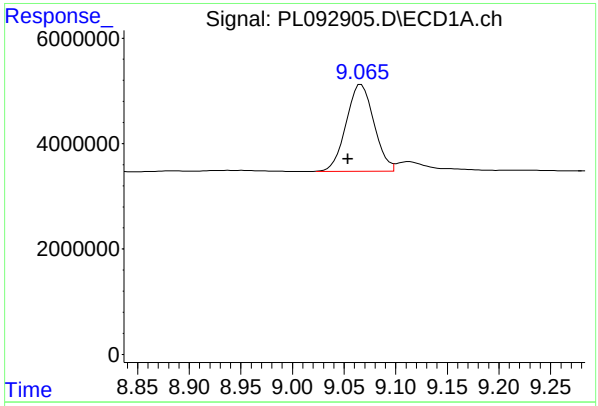
#19 Endosulfan Sulfate

R.T.: 7.146 min
Delta R.T.: -0.012 min
Response: 4741269
Conc: 2.18 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.336 min
Delta R.T.: -0.002 min
Response: 5585736
Conc: 2.07 ng/ml



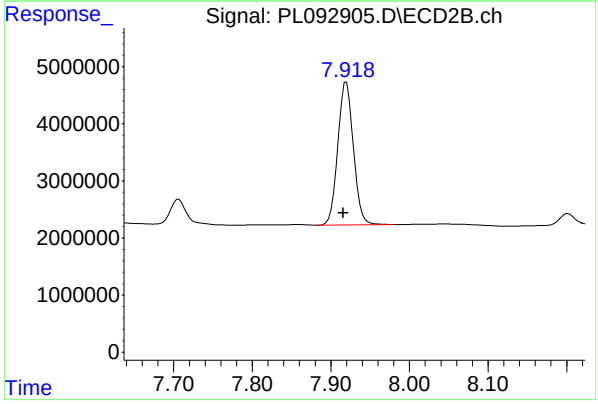
#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.011 min
Response: 31023227
Conc: 16.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-2(0-6)

Manual Integrations APPROVED

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



#28 Decachlorobiphenyl

R.T.: 7.920 min
Delta R.T.: 0.004 min
Response: 34464913
Conc: 12.63 ng/ml

Raw Data: **PL092914.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-13	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	86.6 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092914.D	10	11/07/24 08:40	11/07/24 18:09	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	2.10	U	2.10	19.6	ug/kg
319-85-7	beta-BHC	5.70	U	5.70	19.6	ug/kg
319-86-8	delta-BHC	5.40	U	5.40	19.6	ug/kg
58-89-9	gamma-BHC (Lindane)	2.20	U	2.20	19.6	ug/kg
76-44-8	Heptachlor	2.00	U	2.00	19.6	ug/kg
309-00-2	Aldrin	1.60	U	1.60	19.6	ug/kg
1024-57-3	Heptachlor epoxide	2.70	U	2.70	19.6	ug/kg
959-98-8	Endosulfan I	2.00	U	2.00	19.6	ug/kg
60-57-1	Dieldrin	1.70	U	1.70	19.6	ug/kg
72-55-9	4,4-DDE	1.50	U	1.50	19.6	ug/kg
72-20-8	Endrin	1.80	U	1.80	19.6	ug/kg
33213-65-9	Endosulfan II	3.50	U	3.50	19.6	ug/kg
72-54-8	4,4-DDD	2.20	U	2.20	19.6	ug/kg
1031-07-8	Endosulfan Sulfate	1.50	U	1.50	19.6	ug/kg
50-29-3	4,4-DDT	2.00	U	2.00	19.6	ug/kg
72-43-5	Methoxychlor	4.40	U	4.40	19.6	ug/kg
53494-70-5	Endrin ketone	2.50	U	2.50	19.6	ug/kg
7421-93-4	Endrin aldehyde	4.50	U	4.50	19.6	ug/kg
5103-71-9	alpha-Chlordane	2.00	U	2.00	19.6	ug/kg
5103-74-2	gamma-Chlordane	2.20	U	2.20	19.6	ug/kg
8001-35-2	Toxaphene	60.3	U	60.3	381	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.2		10 - 148	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.1		10 - 159	76%	SPK: 20

Raw Data: **PL092914.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-13	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	86.6 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092914.D	10	11/07/24 08:40	11/07/24 18:09	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092914.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092914.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 18:09
Operator : AR\AJ
Sample : P4722-13 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-3(0-6)

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 08 01:32:55 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...	3.540	2.778	3701774	4099615	1.511m	1.507
28)	SA Decachlor...	9.058	7.917	3508038	3591908	1.823	1.316 #
	Target Compounds						

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

Sample Results: **PL092914.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092914.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 18:09
Operator : AR\AJ
Sample : P4722-13 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

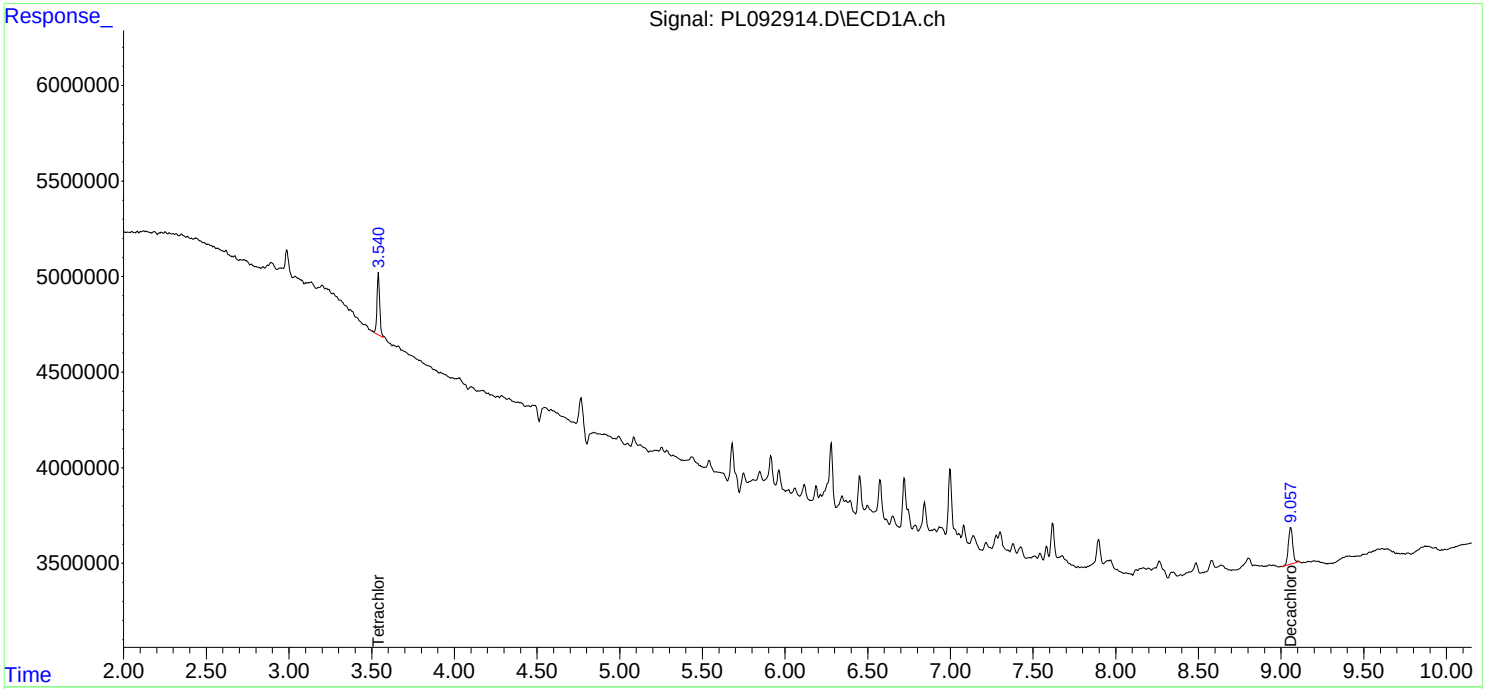
Instrument :
ECD_L
ClientSampleId :
WC-3(0-6)

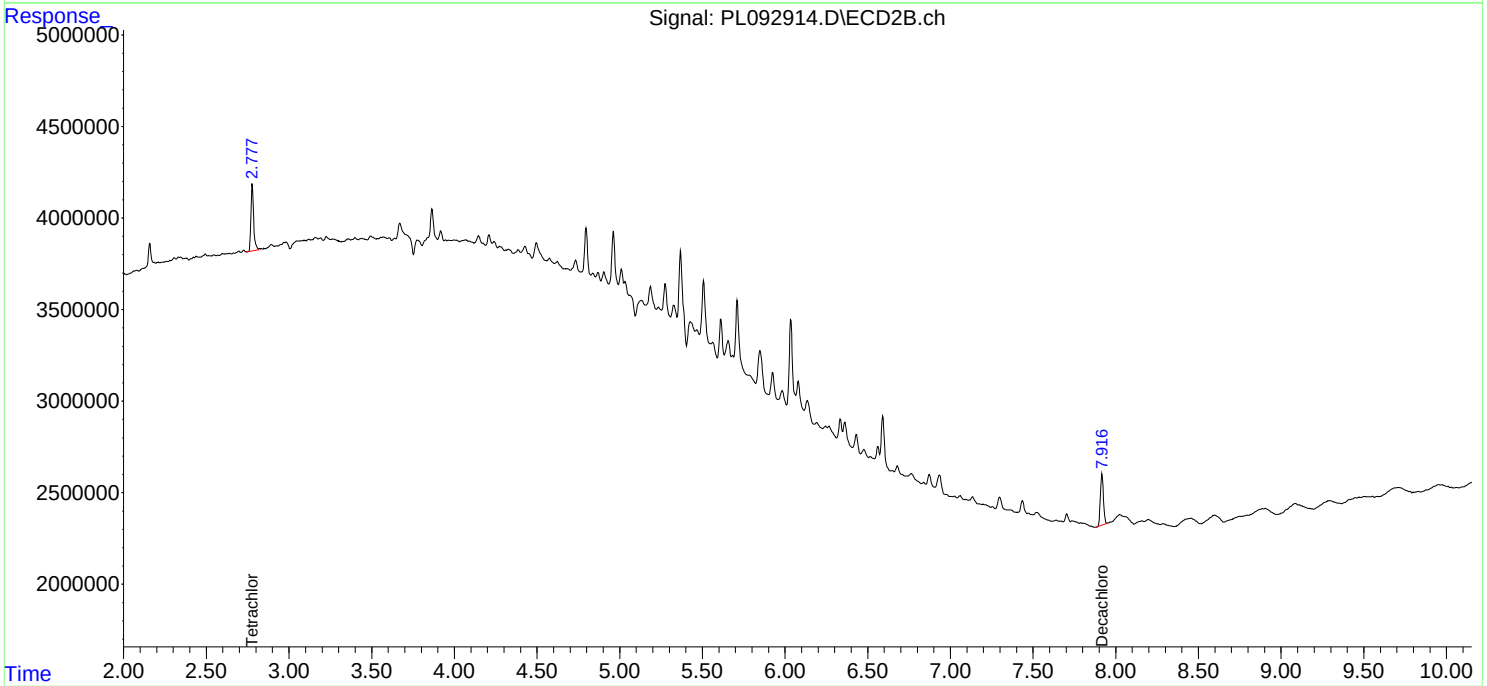
Manual Integrations APPROVED

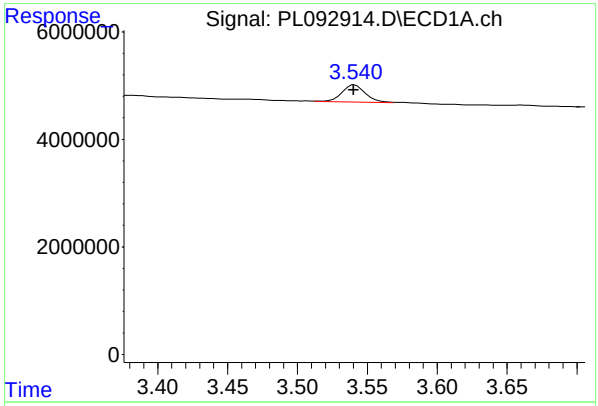
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 01:32:55 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







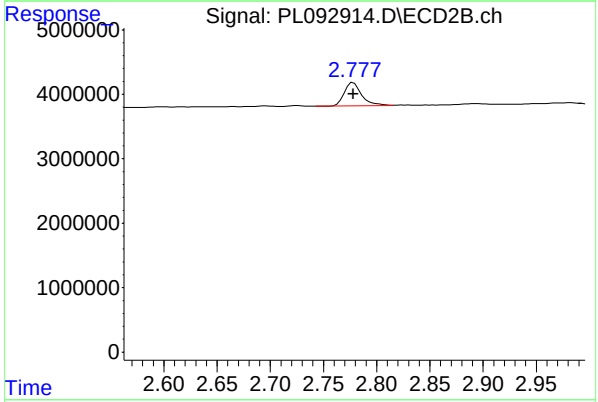
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 3701774
Conc: 1.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-3(0-6)

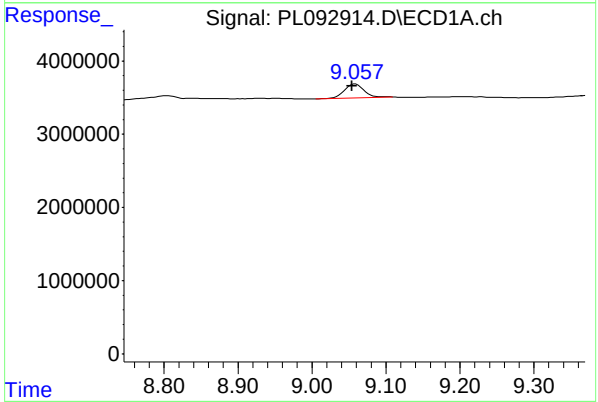
Manual Integrations
APPROVED

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



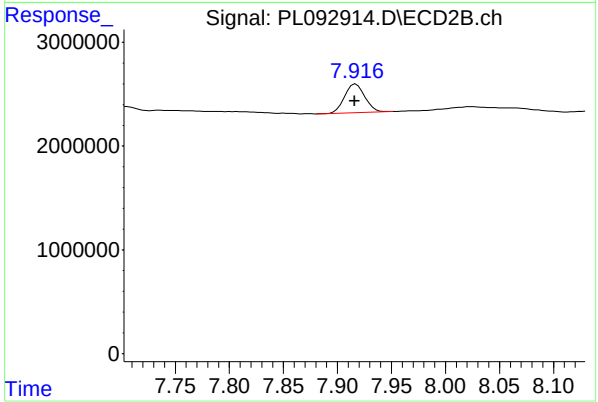
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 4099615
Conc: 1.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.004 min
Response: 3508038
Conc: 1.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.001 min
Response: 3591908
Conc: 1.32 ng/ml

CALIBRATION SUMMARY

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
delta-BHC	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Dieldrin	6.35	6.35	6.35	6.35	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.58	6.58	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Endrin ketone	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	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: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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
4,4'-DDD	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
4,4'-DDE	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
4,4'-DDT	6.04	6.04	6.04	6.04	6.04	6.04	5.94	6.14
Aldrin	4.23	4.23	4.23	4.23	4.23	4.23	4.13	4.33
alpha-BHC	3.28	3.28	3.28	3.28	3.28	3.28	3.18	3.38
alpha-Chlordane	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
beta-BHC	3.91	3.91	3.91	3.91	3.91	3.91	3.81	4.01
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
delta-BHC	4.14	4.14	4.14	4.14	4.14	4.14	4.04	4.24
Dieldrin	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Endosulfan I	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Endosulfan II	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Endosulfan sulfate	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Endrin aldehyde	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endrin ketone	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
gamma-Chlordane	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Heptachlor	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Heptachlor epoxide	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Methoxychlor	6.61	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

Alliance TECHNICAL GROUP

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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
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: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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
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.

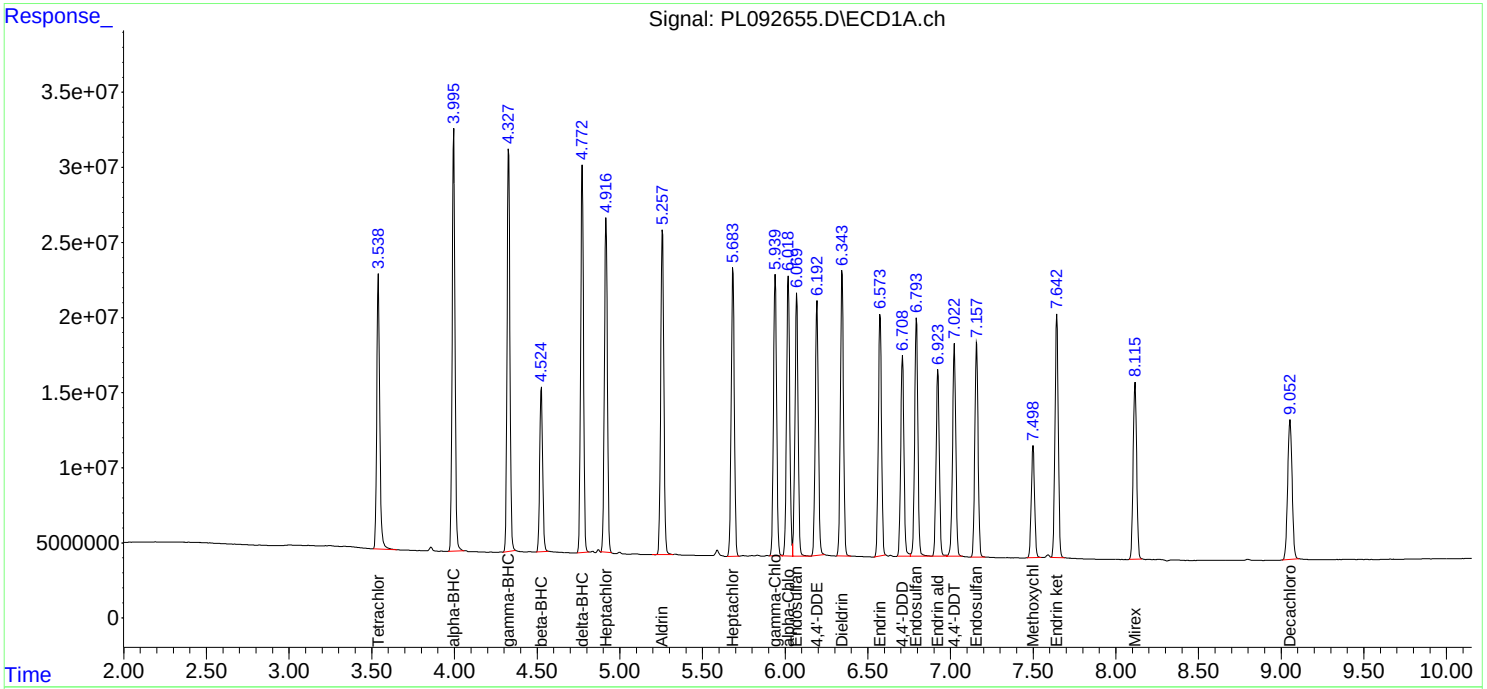
ICAL Form

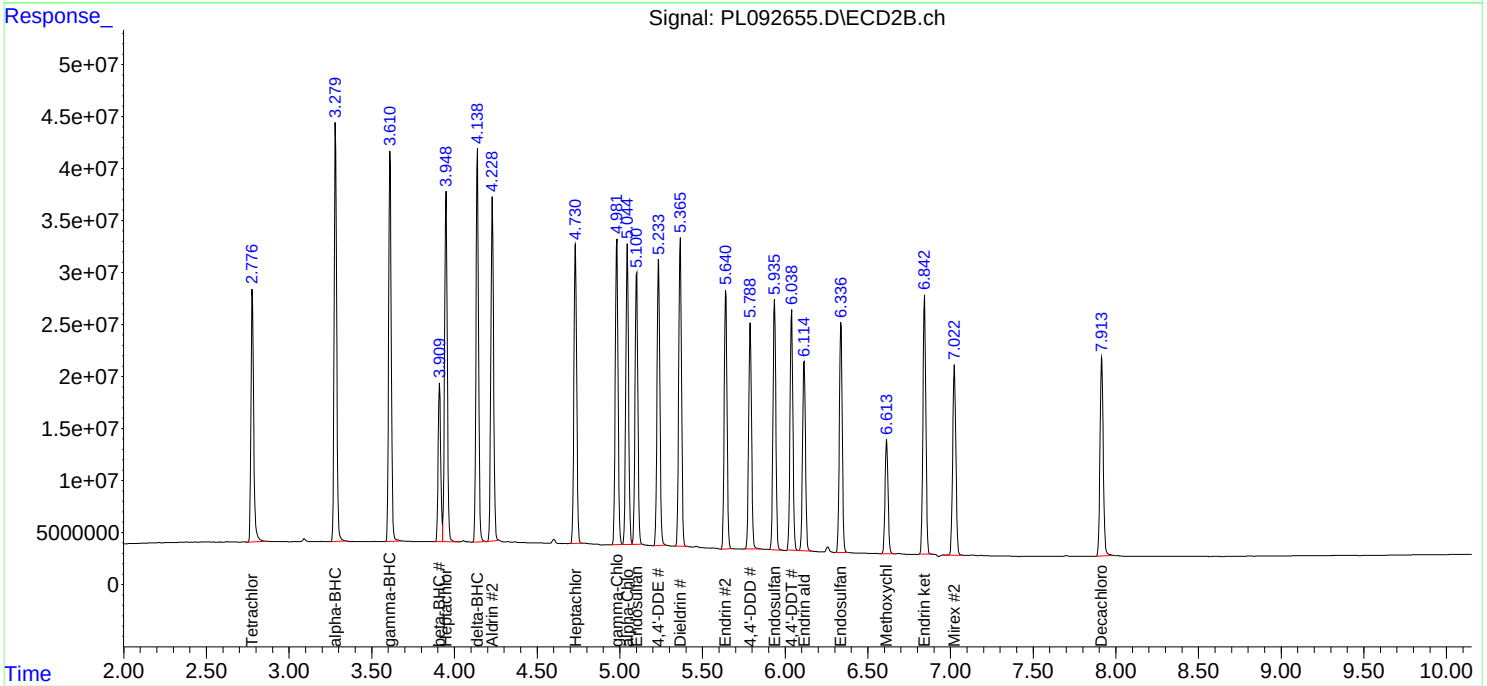
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092655.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:43
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

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.

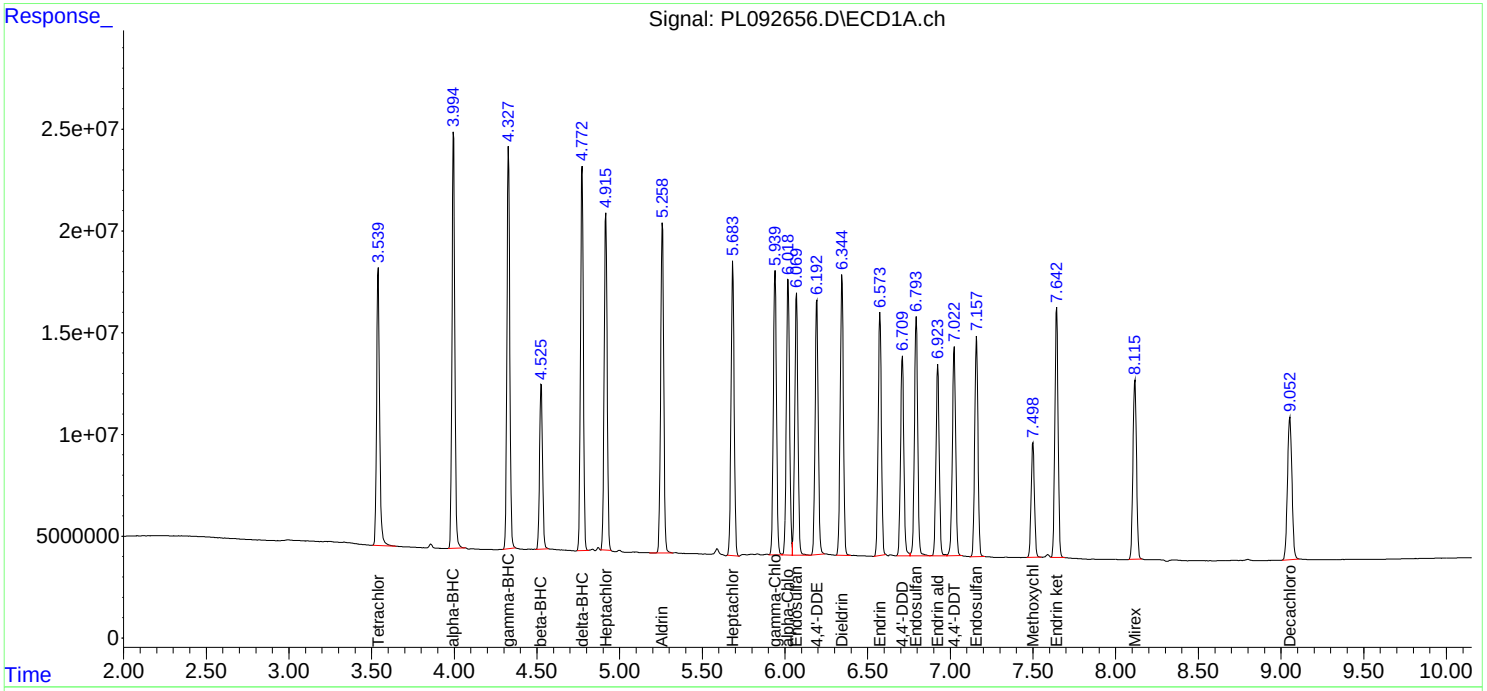
ICAL Form

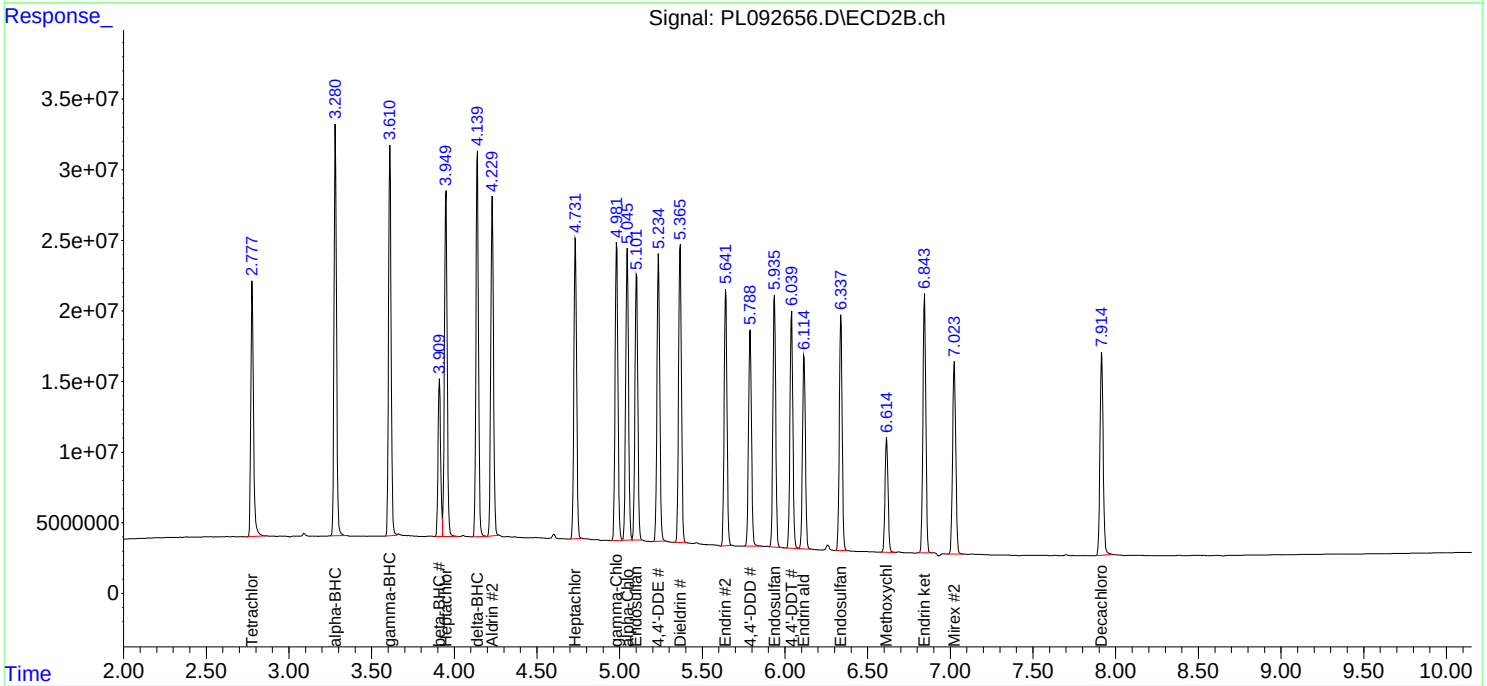
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092656.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:56
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

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.

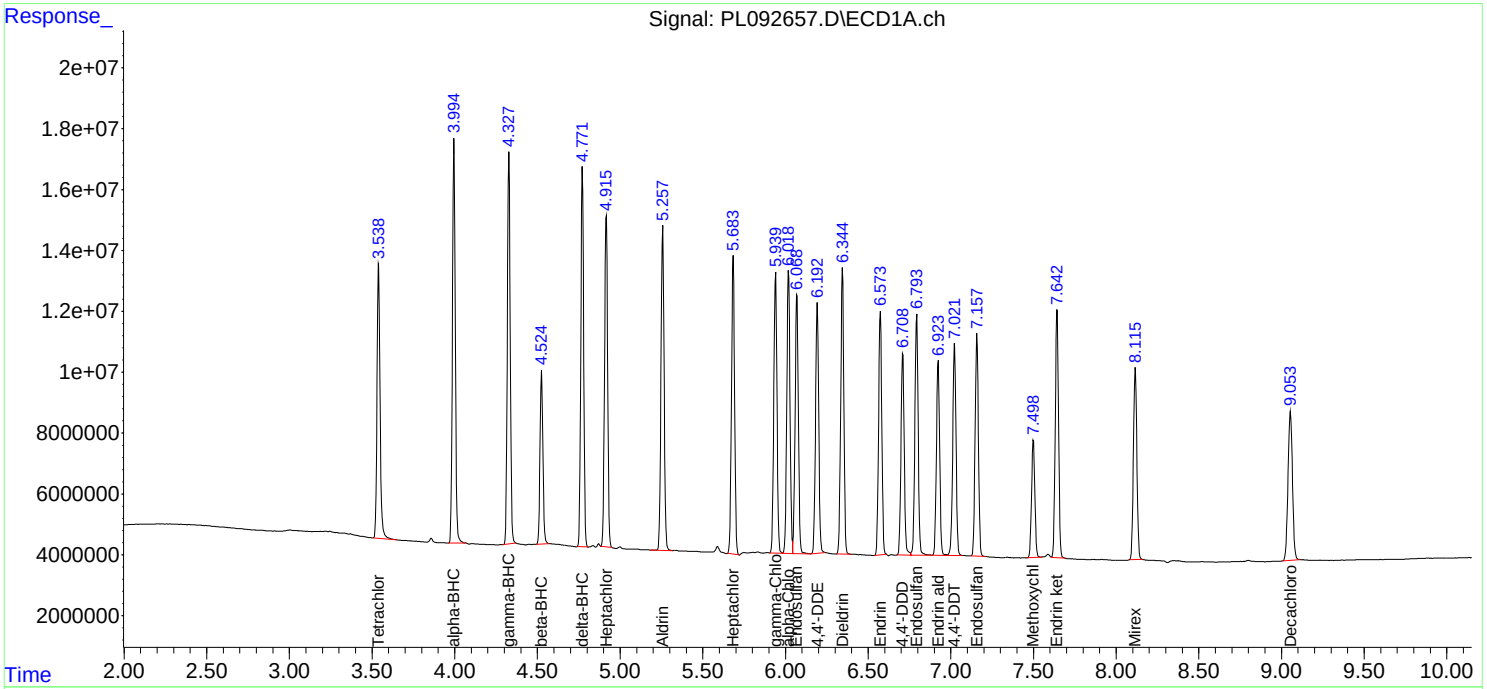
ICAL Form

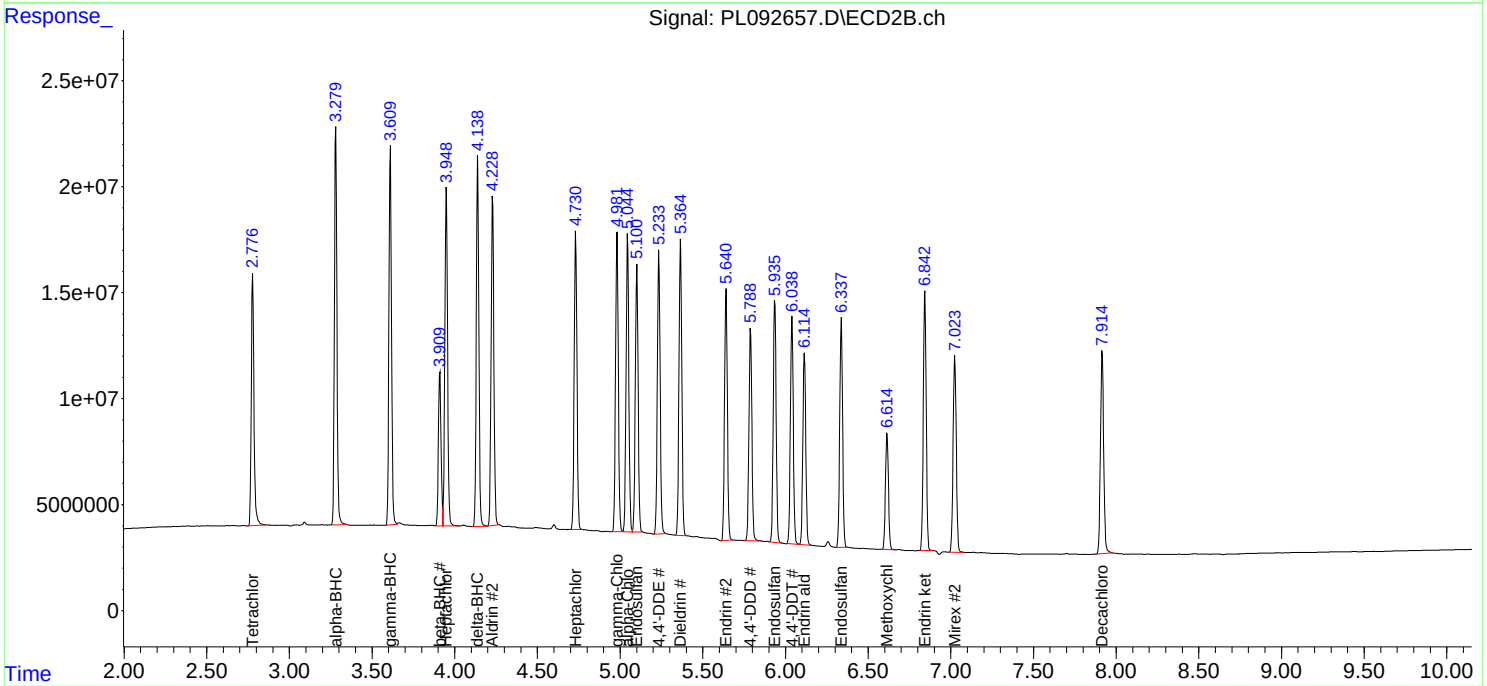
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:09
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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.

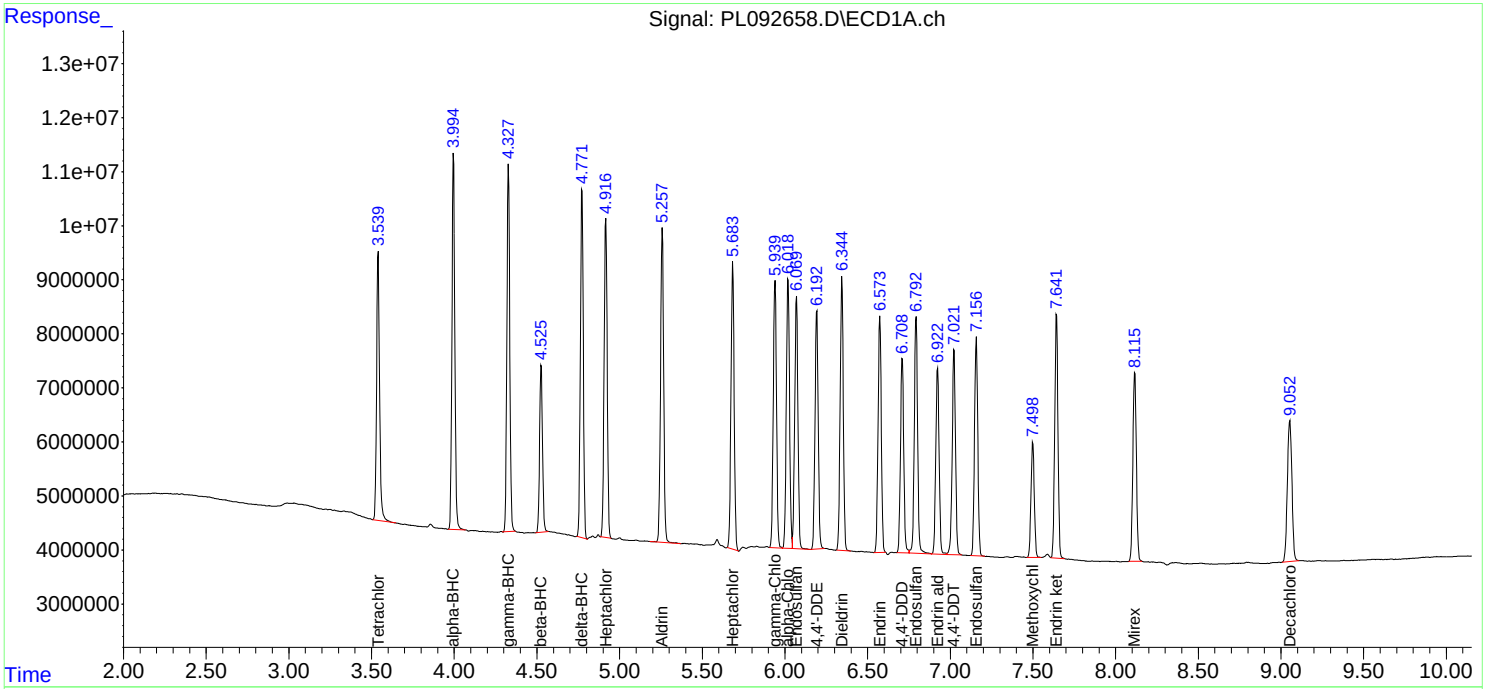
ICAL Form

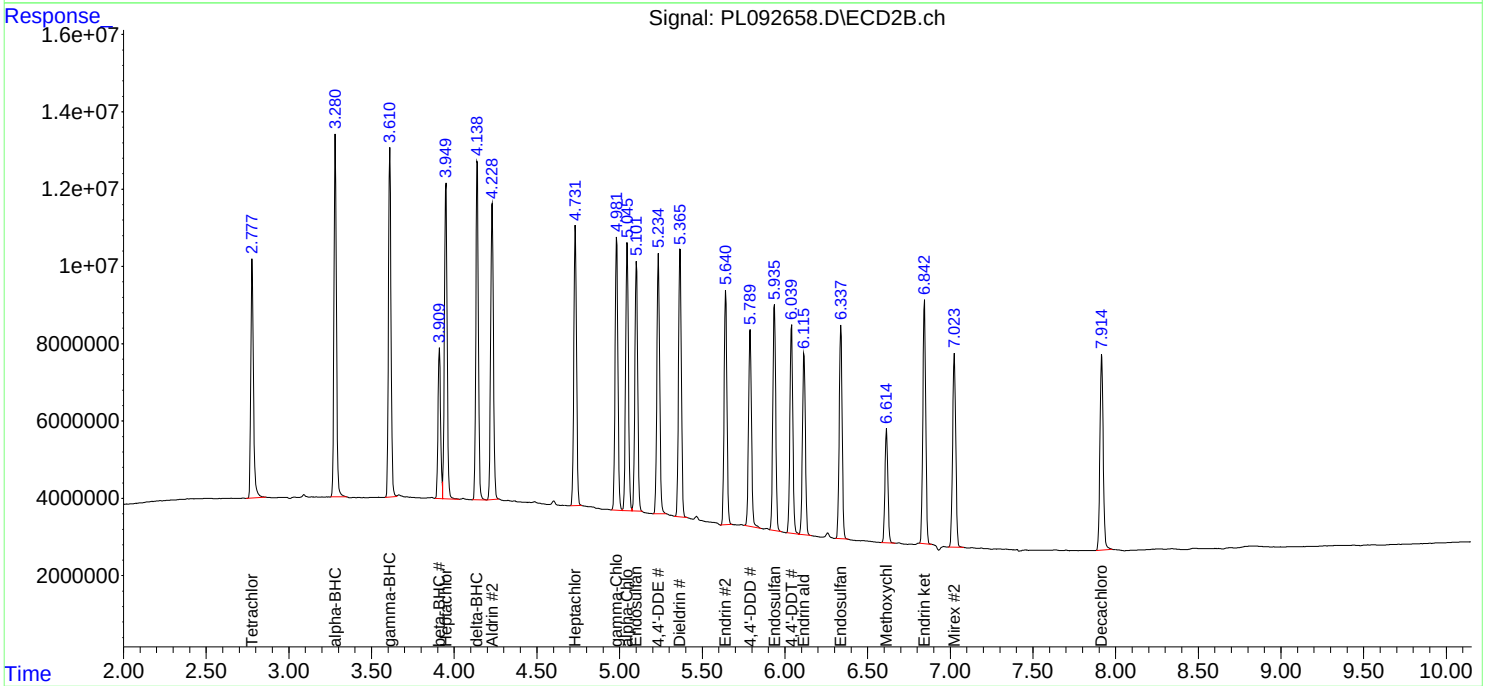
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092658.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:23
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

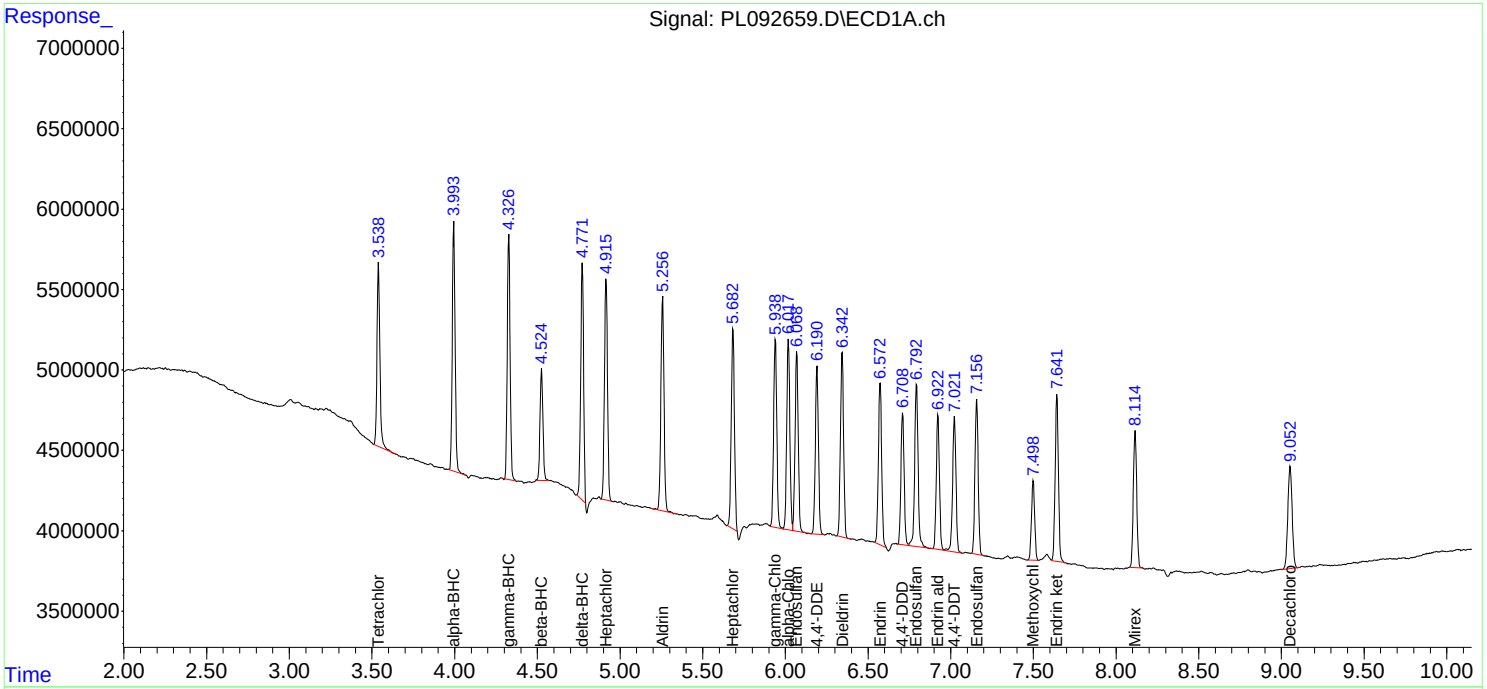
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

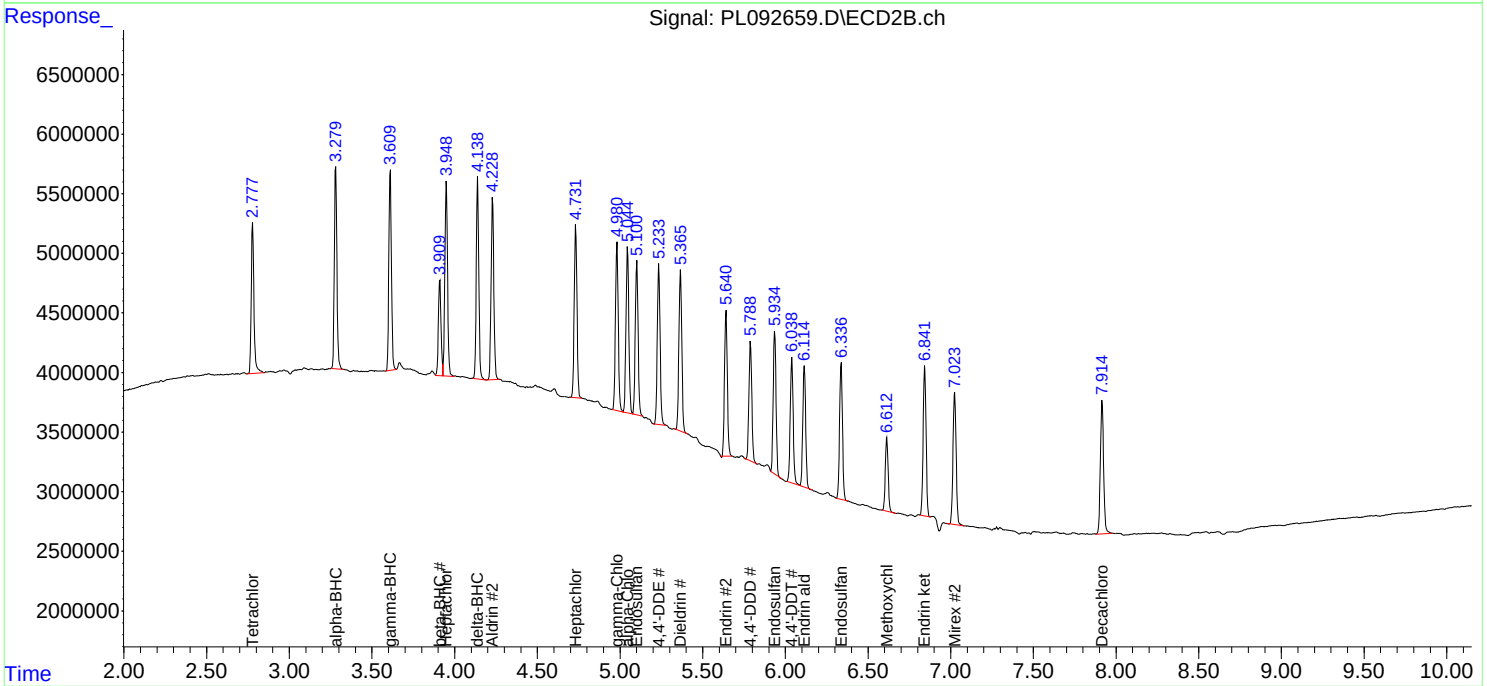
Manual Integrations APPROVED

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.

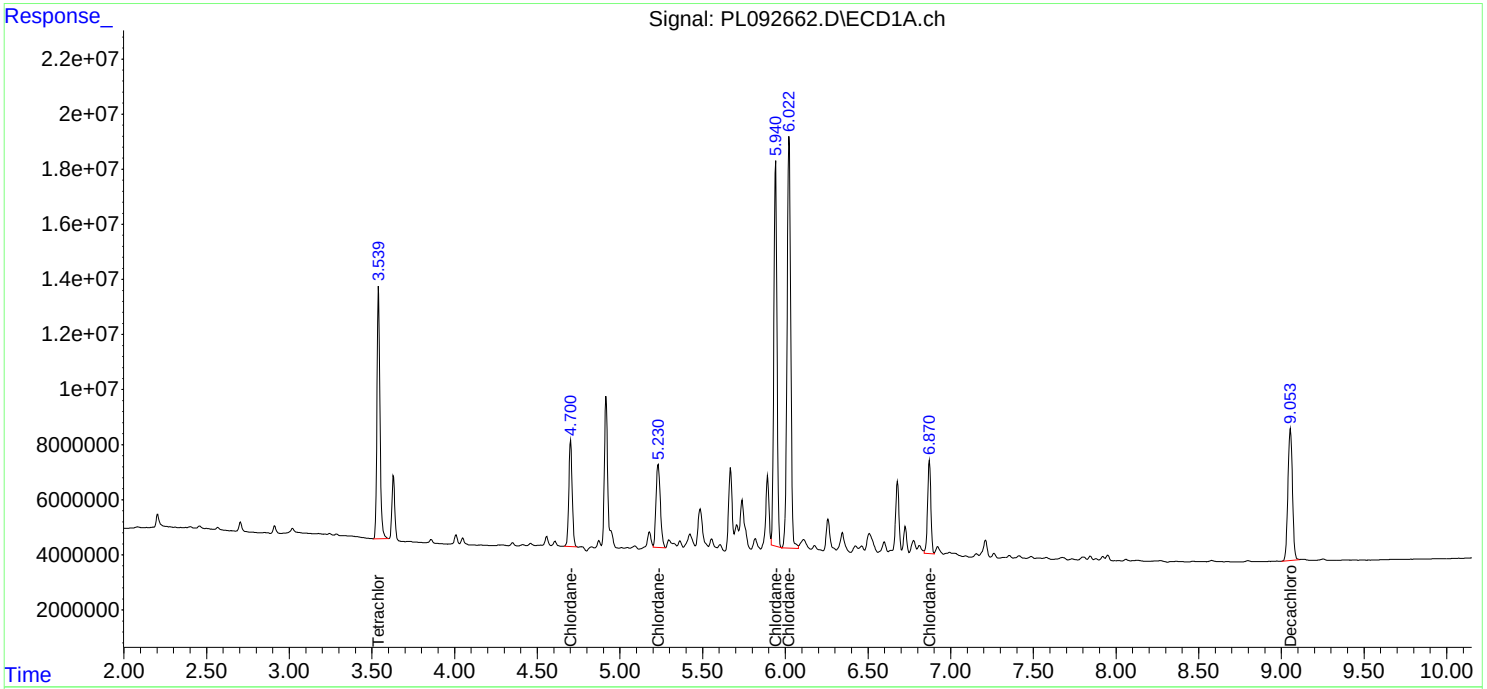
ICAL Form

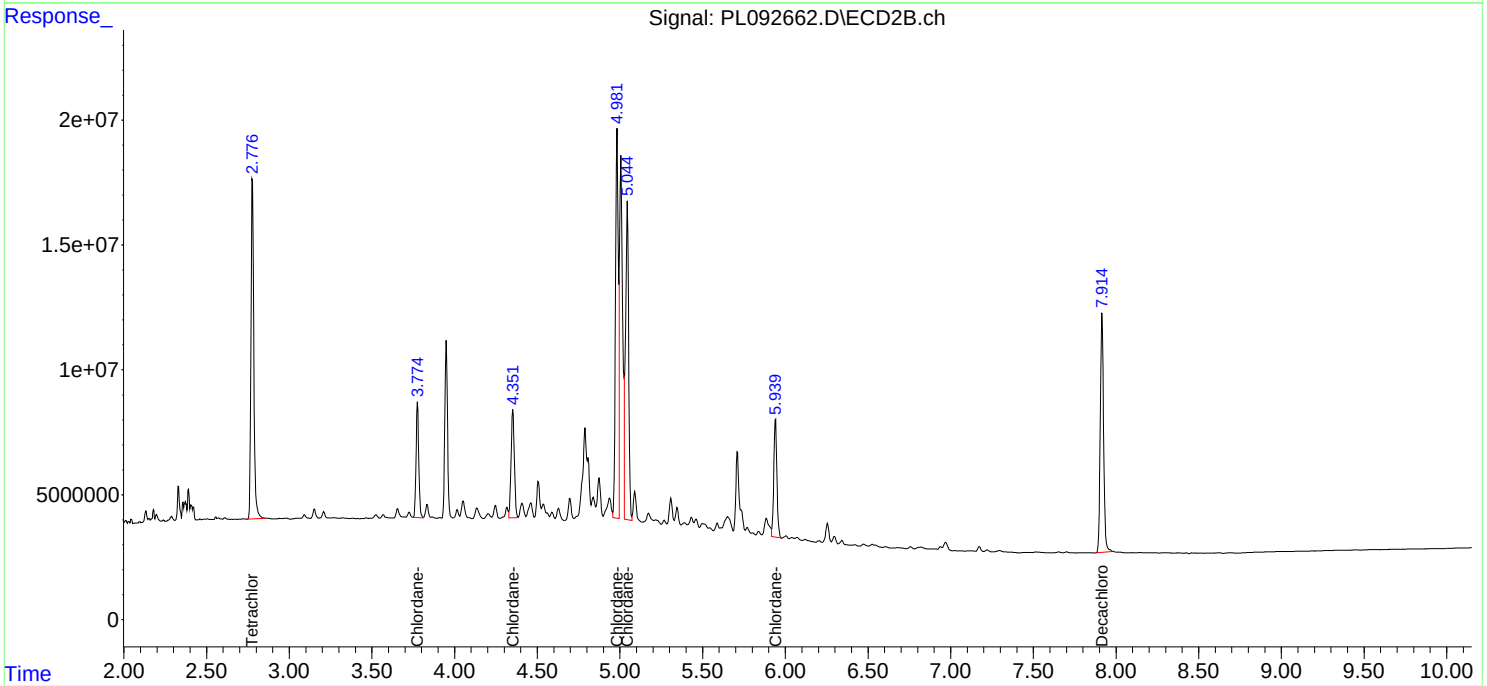
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 16:16
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

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.

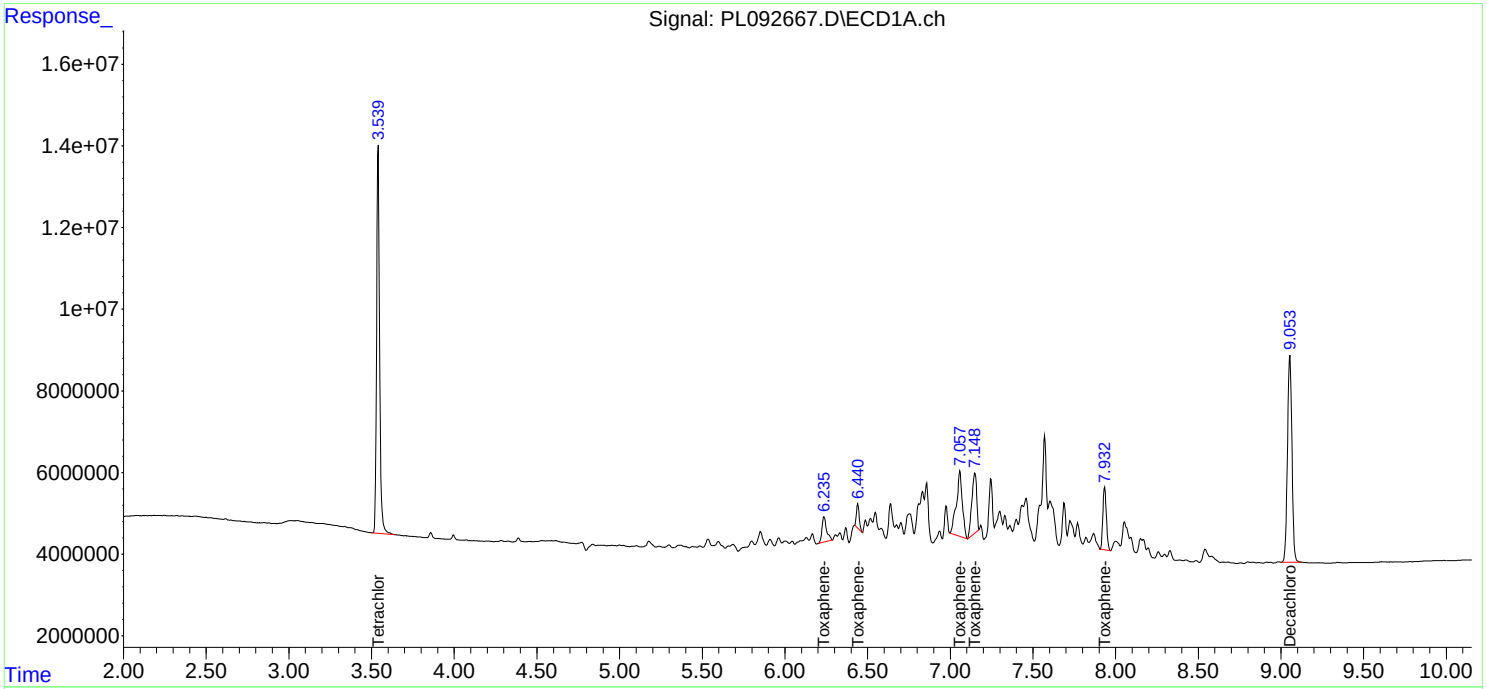
ICAL Form

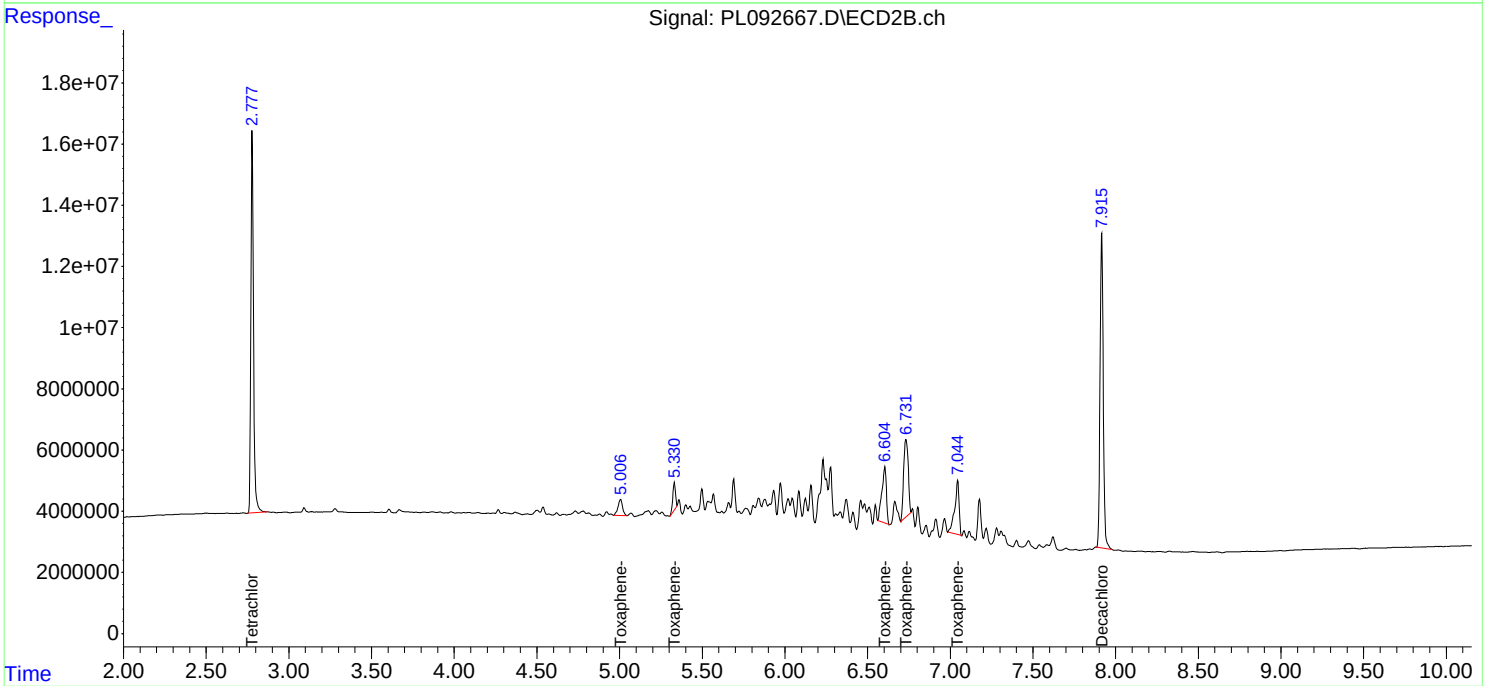
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092667.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 17:23
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

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.

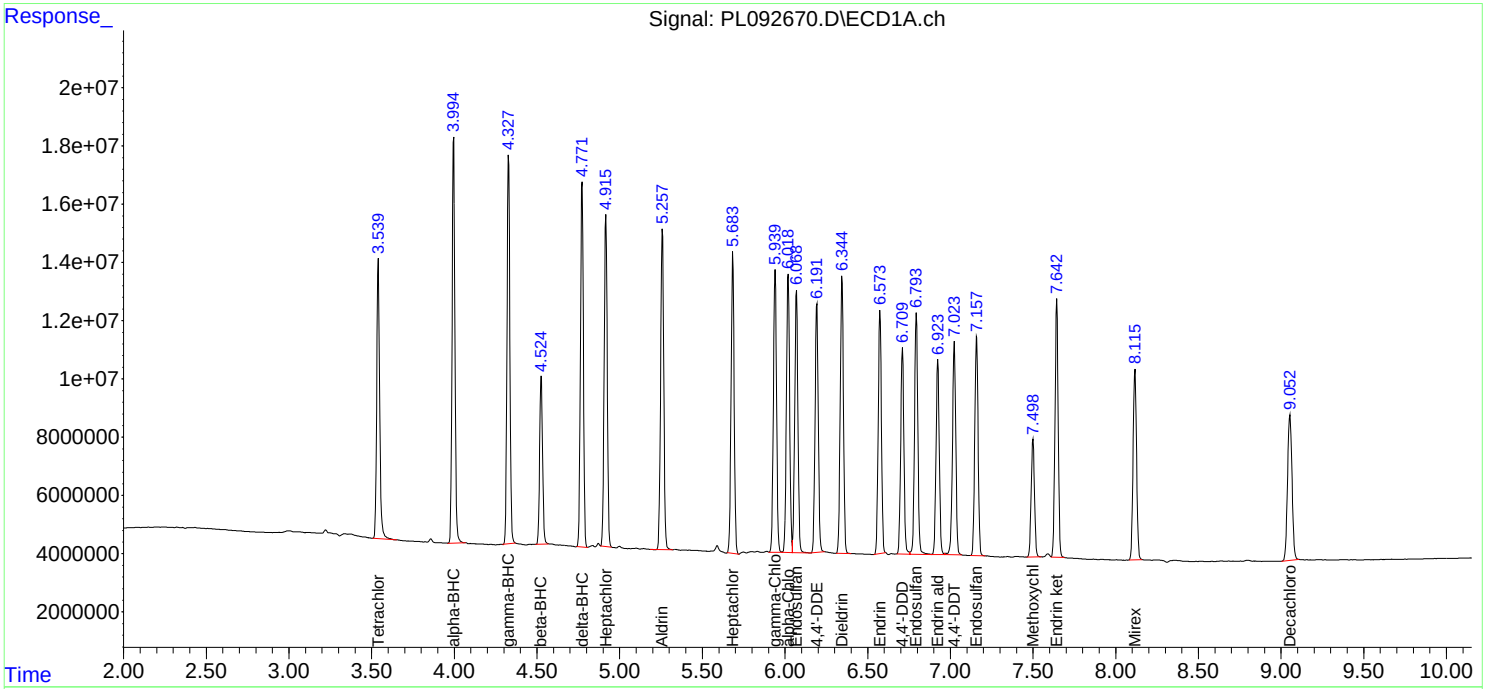
ICAL Form

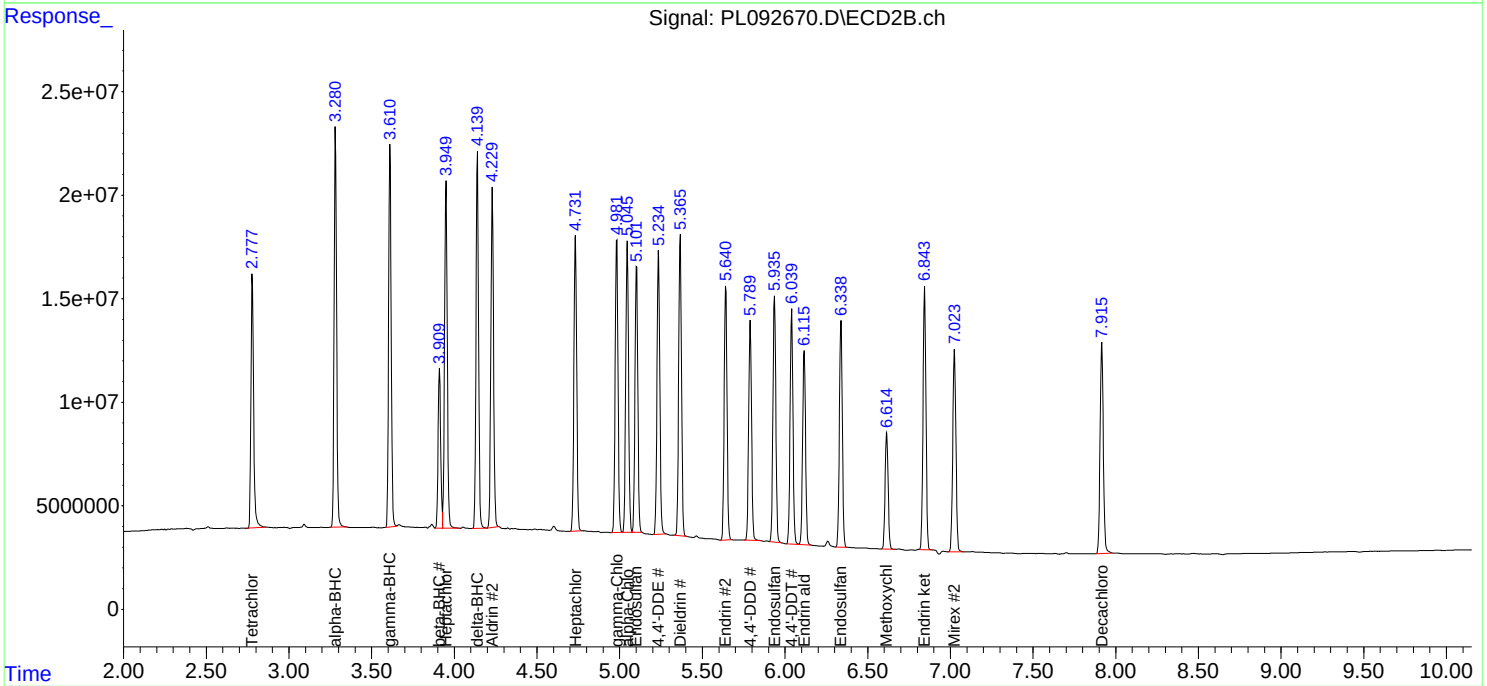
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092670.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:03
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

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.

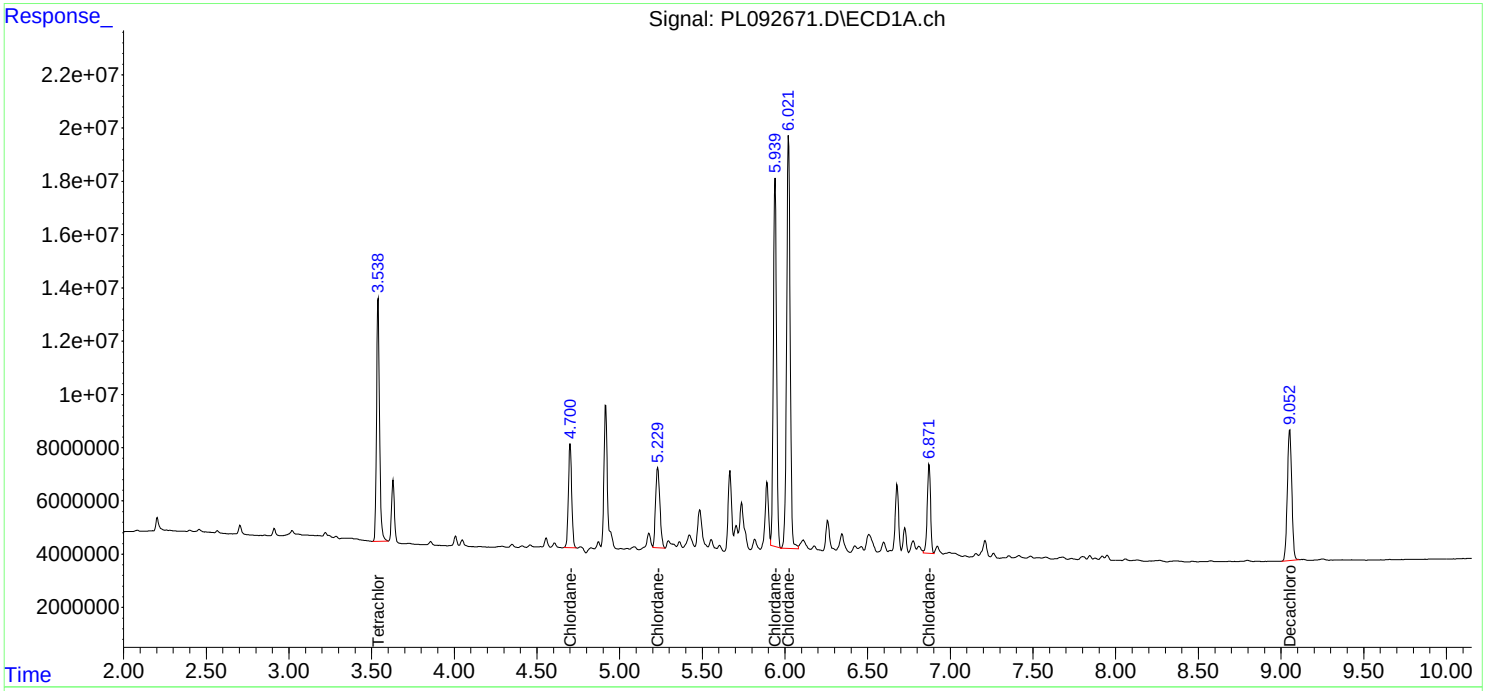
ICAL Form

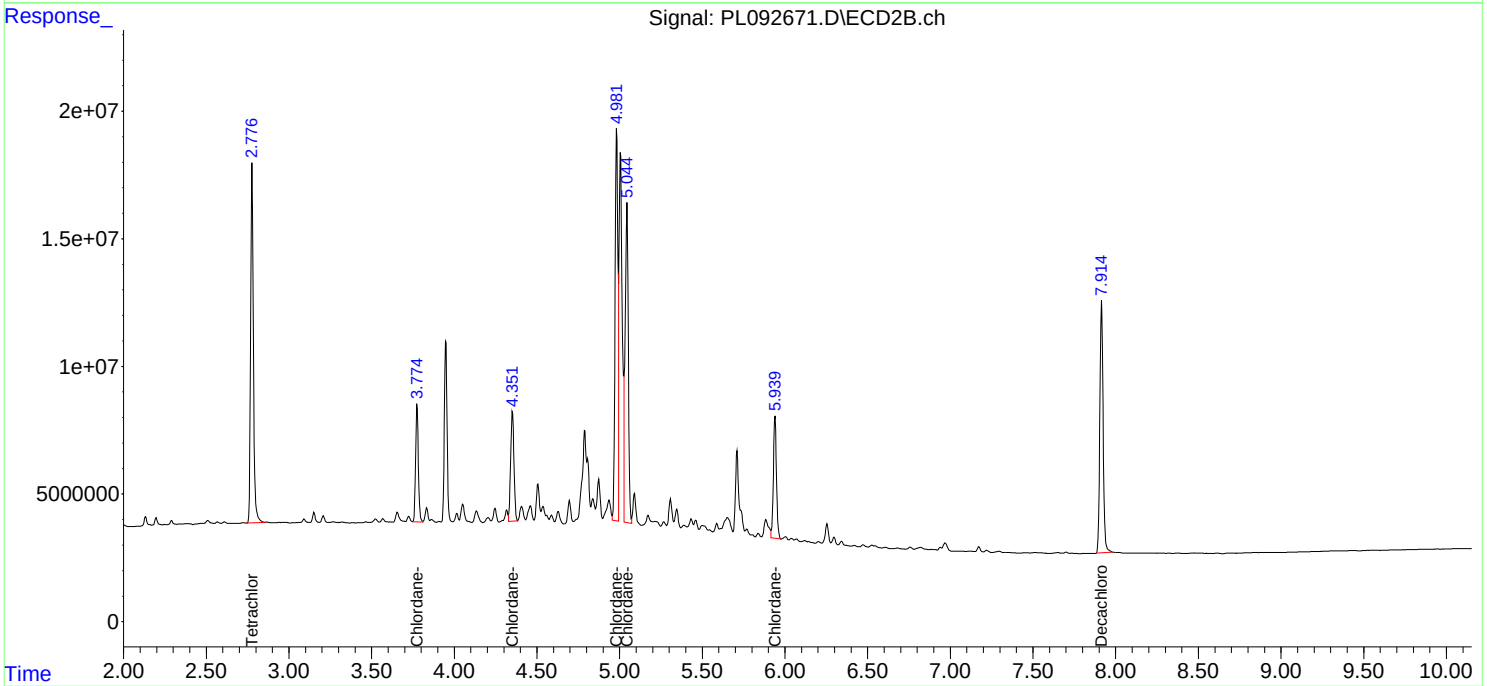
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092671.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:30
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

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.

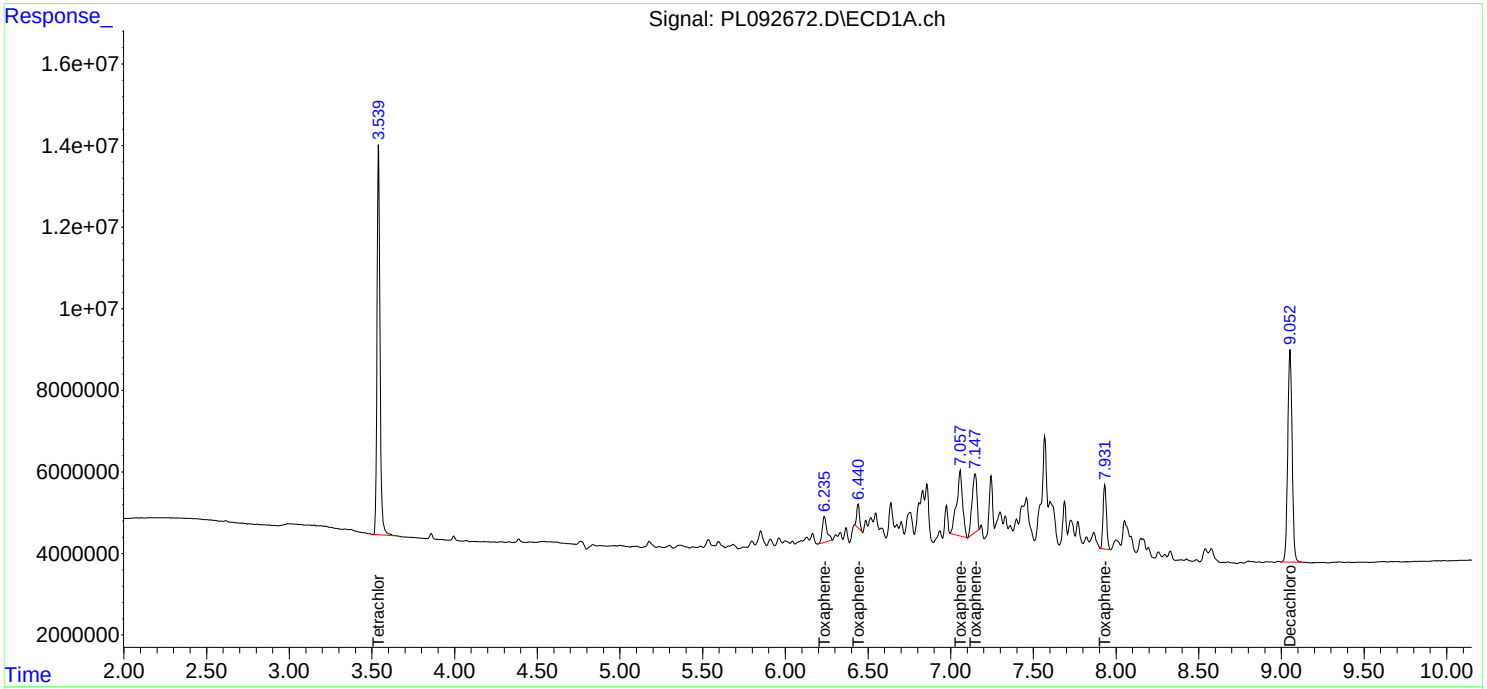
ICAL Form

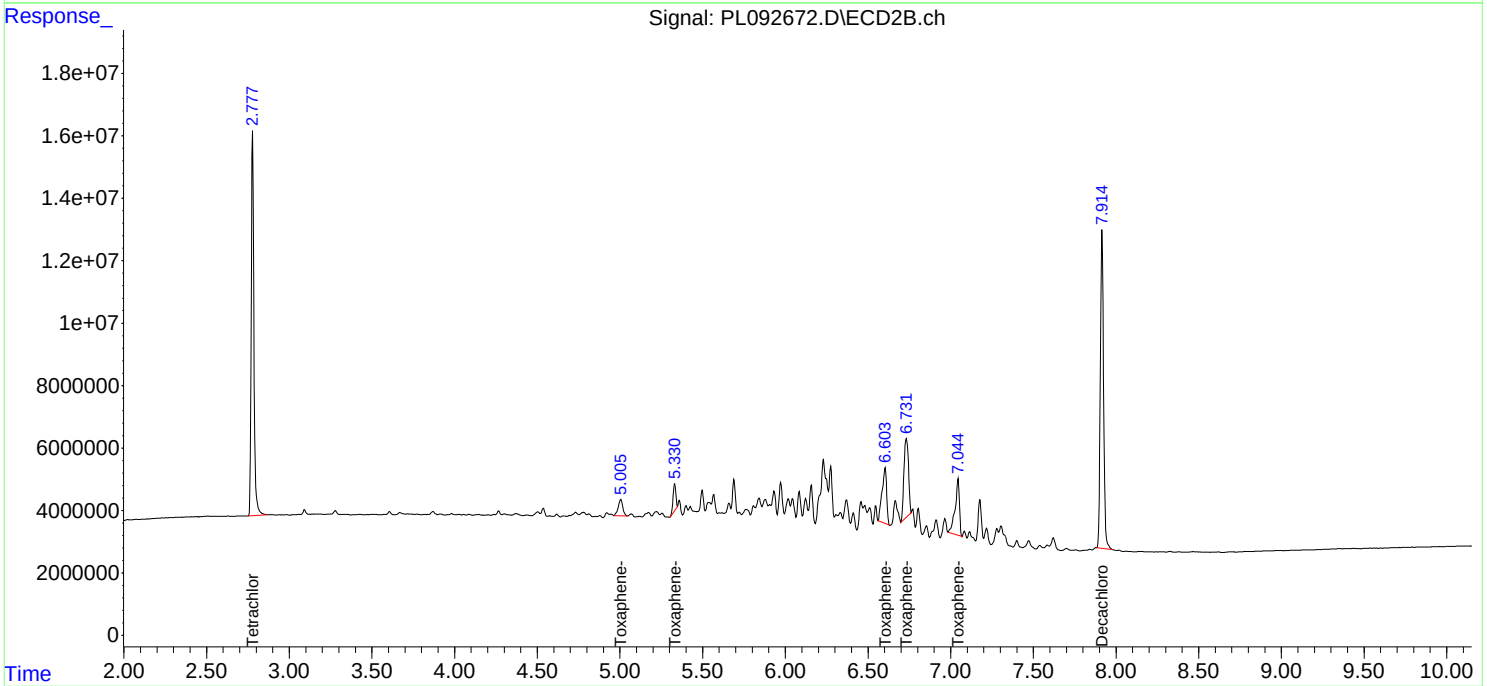
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092672.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:57
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 24 Sample Multiplier: 1

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: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Raw Data: **PL092888.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.01
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

Raw Data: **PL092888.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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
4,4'-DDD	6.713	6.610	6.810	49.380	50.000	-1.2
4,4'-DDE	6.195	6.093	6.293	46.780	50.000	-6.4
4,4'-DDT	7.026	6.923	7.123	46.720	50.000	-6.6
Aldrin	5.261	5.158	5.358	47.470	50.000	-5.1
alpha-BHC	3.998	3.896	4.096	48.980	50.000	-2.0
alpha-Chlordane	6.022	5.919	6.119	46.630	50.000	-6.7
beta-BHC	4.528	4.425	4.625	48.580	50.000	-2.8
Decachlorobiphenyl	9.059	8.954	9.154	46.020	50.000	-8.0
delta-BHC	4.775	4.672	4.872	48.390	50.000	-3.2
Dieldrin	6.347	6.245	6.445	45.990	50.000	-8.0
Endosulfan I	6.072	5.970	6.170	46.130	50.000	-7.7
Endosulfan II	6.797	6.694	6.894	44.890	50.000	-10.2
Endosulfan sulfate	7.161	7.058	7.258	45.940	50.000	-8.1
Endrin	6.577	6.474	6.674	45.550	50.000	-8.9
Endrin aldehyde	6.927	6.824	7.024	47.550	50.000	-4.9
Endrin ketone	7.647	7.543	7.743	45.940	50.000	-8.1
gamma-BHC (Lindane)	4.330	4.228	4.428	48.790	50.000	-2.4
gamma-Chlordane	5.943	5.841	6.041	46.570	50.000	-6.9
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: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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
4,4'-DDD	5.790	5.689	5.889	52.090	50.000	4.2
4,4'-DDE	5.235	5.135	5.335	50.820	50.000	1.6
4,4'-DDT	6.040	5.940	6.140	50.770	50.000	1.5
Aldrin	4.230	4.129	4.329	50.690	50.000	1.4
alpha-BHC	3.281	3.181	3.381	50.710	50.000	1.4
alpha-Chlordane	5.046	4.945	5.145	49.960	50.000	-0.1
beta-BHC	3.911	3.810	4.010	49.800	50.000	-0.4
Decachlorobiphenyl	7.917	7.816	8.016	46.840	50.000	-6.3
delta-BHC	4.140	4.039	4.239	51.070	50.000	2.1
Dieldrin	5.367	5.266	5.466	50.630	50.000	1.3
Endosulfan I	5.102	5.002	5.202	48.660	50.000	-2.7
Endosulfan II	5.936	5.836	6.036	51.680	50.000	3.4
Endosulfan sulfate	6.339	6.238	6.438	50.070	50.000	0.1
Endrin	5.642	5.541	5.741	51.530	50.000	3.1
Endrin aldehyde	6.116	6.015	6.215	49.630	50.000	-0.7
Endrin ketone	6.844	6.743	6.943	48.910	50.000	-2.2
gamma-BHC (Lindane)	3.611	3.511	3.711	50.380	50.000	0.8
gamma-Chlordane	4.982	4.882	5.082	50.080	50.000	0.2
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

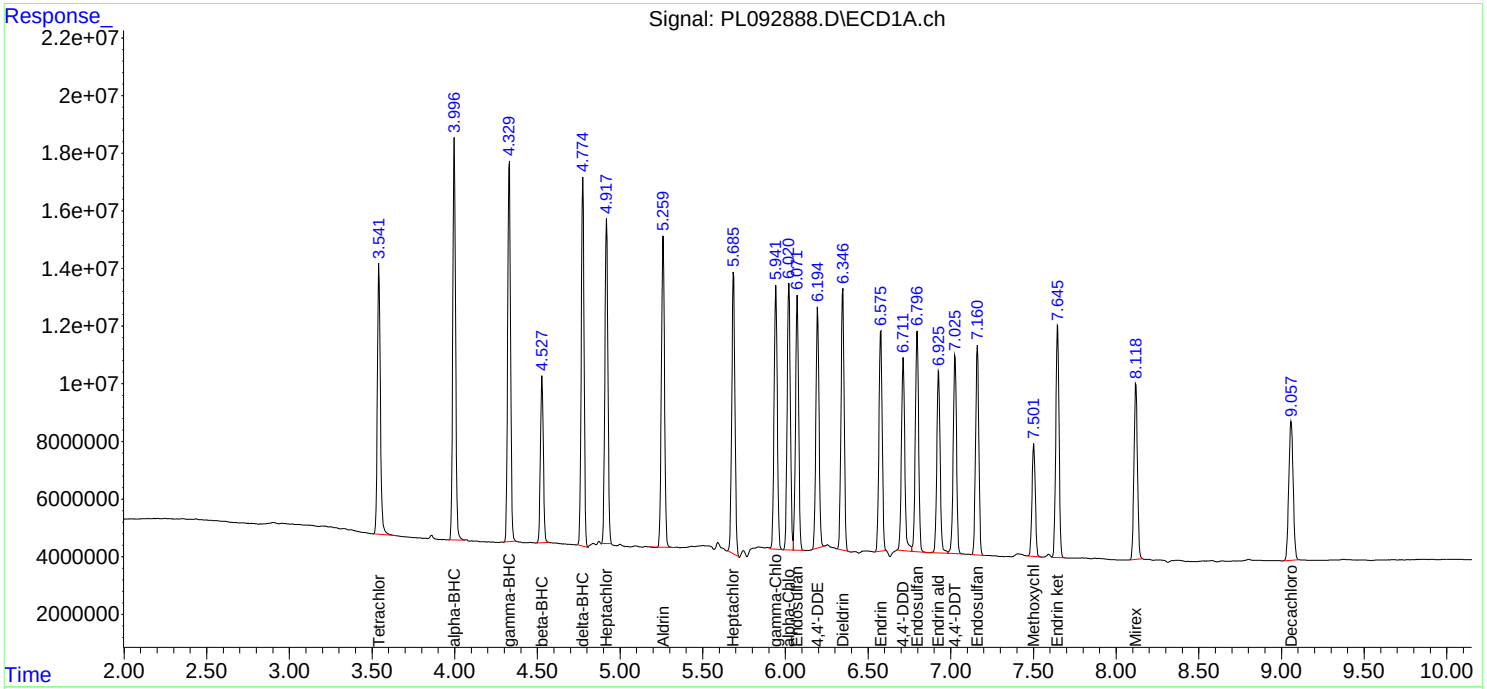
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

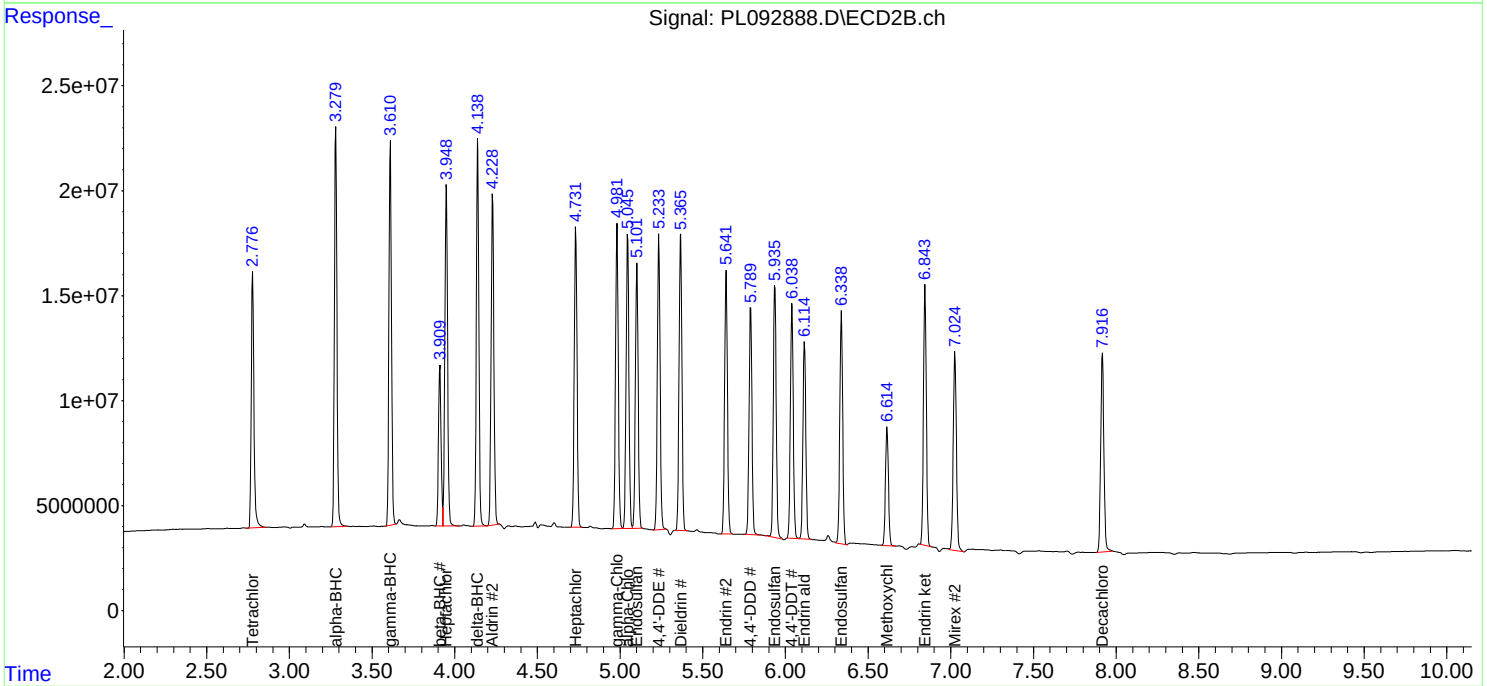
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 11:21
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

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: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Raw Data: **PL092904.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

Raw Data: **PL092904.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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
4,4'-DDD	6.713	6.610	6.810	46.380	50.000	-7.2
4,4'-DDE	6.194	6.093	6.293	45.140	50.000	-9.7
4,4'-DDT	7.027	6.923	7.123	42.890	50.000	-14.2
Aldrin	5.259	5.158	5.358	45.730	50.000	-8.5
alpha-BHC	3.998	3.896	4.096	47.690	50.000	-4.6
alpha-Chlordane	6.022	5.919	6.119	45.000	50.000	-10.0
beta-BHC	4.528	4.425	4.625	47.930	50.000	-4.1
Decachlorobiphenyl	9.059	8.954	9.154	45.750	50.000	-8.5
delta-BHC	4.774	4.672	4.872	47.810	50.000	-4.4
Dieldrin	6.347	6.245	6.445	44.400	50.000	-11.2
Endosulfan I	6.072	5.970	6.170	44.450	50.000	-11.1
Endosulfan II	6.797	6.694	6.894	42.390	50.000	-15.2
Endosulfan sulfate	7.161	7.058	7.258	43.220	50.000	-13.6
Endrin	6.577	6.474	6.674	42.920	50.000	-14.2
Endrin aldehyde	6.927	6.824	7.024	44.140	50.000	-11.7
Endrin ketone	7.646	7.543	7.743	43.210	50.000	-13.6
gamma-BHC (Lindane)	4.330	4.228	4.428	48.200	50.000	-3.6
gamma-Chlordane	5.943	5.841	6.041	45.360	50.000	-9.3
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: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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
4,4'-DDD	5.790	5.689	5.889	49.190	50.000	-1.6
4,4'-DDE	5.235	5.135	5.335	50.300	50.000	0.6
4,4'-DDT	6.041	5.940	6.140	44.020	50.000	-12.0
Aldrin	4.230	4.129	4.329	50.680	50.000	1.4
alpha-BHC	3.281	3.181	3.381	51.060	50.000	2.1
alpha-Chlordane	5.046	4.945	5.145	48.510	50.000	-3.0
beta-BHC	3.911	3.810	4.010	49.650	50.000	-0.7
Decachlorobiphenyl	7.917	7.816	8.016	40.370	50.000	-19.3
delta-BHC	4.140	4.039	4.239	51.370	50.000	2.7
Dieldrin	5.367	5.266	5.466	48.730	50.000	-2.5
Endosulfan I	5.102	5.002	5.202	47.480	50.000	-5.0
Endosulfan II	5.937	5.836	6.036	47.060	50.000	-5.9
Endosulfan sulfate	6.339	6.238	6.438	46.300	50.000	-7.4
Endrin	5.642	5.541	5.741	46.330	50.000	-7.3
Endrin aldehyde	6.116	6.015	6.215	44.110	50.000	-11.8
Endrin ketone	6.845	6.743	6.943	43.580	50.000	-12.8
gamma-BHC (Lindane)	3.611	3.511	3.711	49.880	50.000	-0.2
gamma-Chlordane	4.983	4.882	5.082	48.040	50.000	-3.9
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

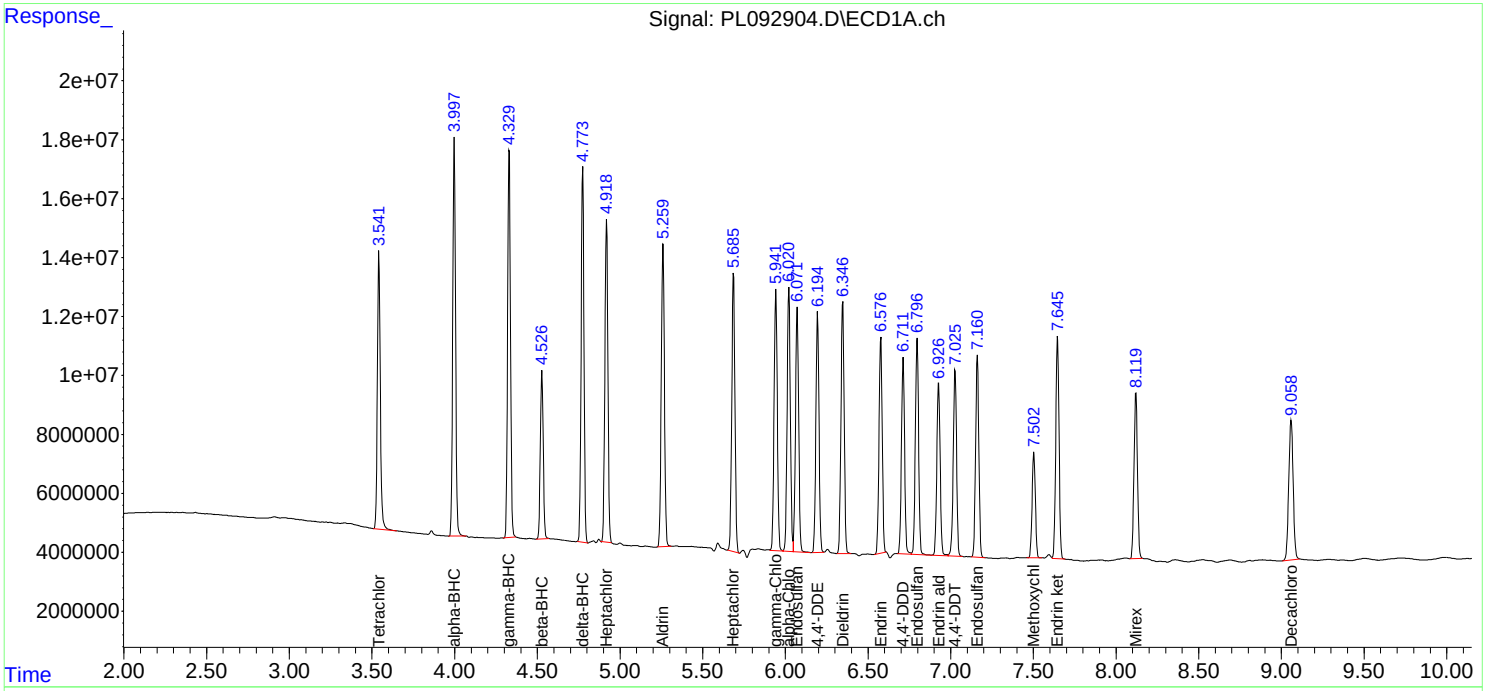
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

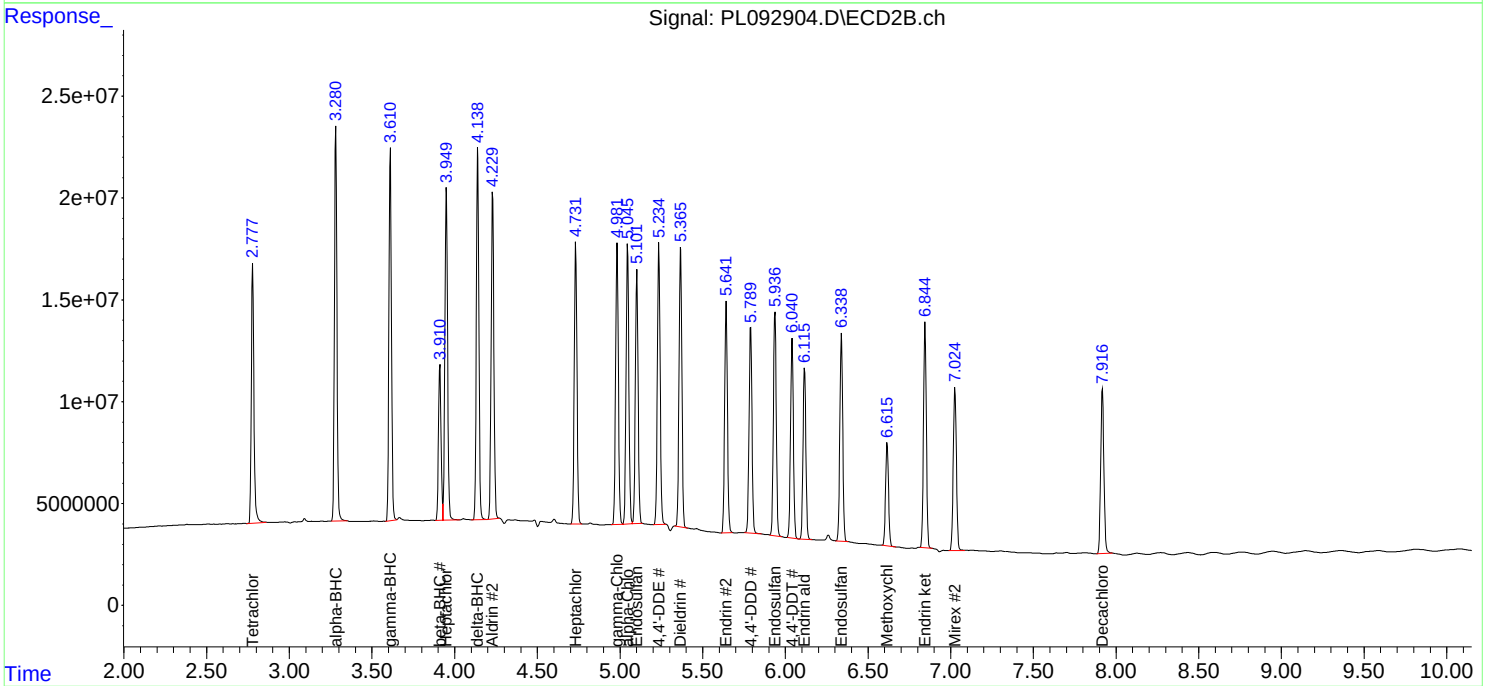
Manual Integrations APPROVED

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: **PL092912.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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

Continuing Calib Time: 17:41 **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
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Raw Data: **PL092912.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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

Continuing Calib Time: 17:41 **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
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.01
Endrin ketone	6.85	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

Raw Data: **PL092912.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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

Client Sample No.: CCAL03 **Date Analyzed:** 11/07/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092912.D **Time Analyzed:** 17:41

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.712	6.610	6.810	47.210	50.000	-5.6
4,4'-DDE	6.195	6.093	6.293	45.000	50.000	-10.0
4,4'-DDT	7.025	6.923	7.123	43.020	50.000	-14.0
Aldrin	5.259	5.158	5.358	45.590	50.000	-8.8
alpha-BHC	3.998	3.896	4.096	48.270	50.000	-3.5
alpha-Chlordane	6.021	5.919	6.119	44.800	50.000	-10.4
beta-BHC	4.528	4.425	4.625	47.790	50.000	-4.4
Decachlorobiphenyl	9.058	8.954	9.154	44.670	50.000	-10.7
delta-BHC	4.775	4.672	4.872	47.530	50.000	-4.9
Dieldrin	6.347	6.245	6.445	44.420	50.000	-11.2
Endosulfan I	6.072	5.970	6.170	44.500	50.000	-11.0
Endosulfan II	6.796	6.694	6.894	42.710	50.000	-14.6
Endosulfan sulfate	7.161	7.058	7.258	43.250	50.000	-13.5
Endrin	6.576	6.474	6.674	43.250	50.000	-13.5
Endrin aldehyde	6.926	6.824	7.024	43.230	50.000	-13.5
Endrin ketone	7.646	7.543	7.743	43.280	50.000	-13.4
gamma-BHC (Lindane)	4.330	4.228	4.428	48.250	50.000	-3.5
gamma-Chlordane	5.942	5.841	6.041	45.330	50.000	-9.3
Heptachlor	4.918	4.817	5.017	46.270	50.000	-7.5
Heptachlor epoxide	5.685	5.584	5.784	45.430	50.000	-9.1
Methoxychlor	7.502	7.399	7.599	43.320	50.000	-13.4
Tetrachloro-m-xylene	3.542	3.440	3.640	48.110	50.000	-3.8

Raw Data: **PL092912.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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

Client Sample No.: CCAL03 **Date Analyzed:** 11/07/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092912.D **Time Analyzed:** 17:41

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.790	5.689	5.889	51.020	50.000	2.0
4,4'-DDE	5.235	5.135	5.335	50.380	50.000	0.8
4,4'-DDT	6.041	5.940	6.140	45.260	50.000	-9.5
Aldrin	4.229	4.129	4.329	51.110	50.000	2.2
alpha-BHC	3.281	3.181	3.381	51.580	50.000	3.2
alpha-Chlordane	5.046	4.945	5.145	49.410	50.000	-1.2
beta-BHC	3.911	3.810	4.010	50.540	50.000	1.1
Decachlorobiphenyl	7.917	7.816	8.016	41.590	50.000	-16.8
delta-BHC	4.139	4.039	4.239	51.690	50.000	3.4
Dieldrin	5.366	5.266	5.466	48.970	50.000	-2.1
Endosulfan I	5.102	5.002	5.202	47.480	50.000	-5.0
Endosulfan II	5.937	5.836	6.036	47.730	50.000	-4.5
Endosulfan sulfate	6.339	6.238	6.438	46.530	50.000	-6.9
Endrin	5.642	5.541	5.741	48.020	50.000	-4.0
Endrin aldehyde	6.116	6.015	6.215	45.950	50.000	-8.1
Endrin ketone	6.845	6.743	6.943	45.130	50.000	-9.7
gamma-BHC (Lindane)	3.611	3.511	3.711	50.980	50.000	2.0
gamma-Chlordane	4.982	4.882	5.082	49.210	50.000	-1.6
Heptachlor	3.950	3.849	4.049	50.550	50.000	1.1
Heptachlor epoxide	4.732	4.632	4.832	49.550	50.000	-0.9
Methoxychlor	6.615	6.515	6.715	44.500	50.000	-11.0
Tetrachloro-m-xylene	2.778	2.678	2.878	50.440	50.000	0.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092912.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 17:41
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 08 00:07:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.542	2.778	117.9E6	137.2E6	48.113	50.436
28)	SA	Decachlor...	9.058	7.917	85970634	113.5E6	44.670	41.594
		Target Compounds						
2)	A	alpha-BHC	3.998	3.281	163.7E6	205.8E6	48.272	51.582
3)	MA	gamma-BHC...	4.330	3.611	157.3E6	196.8E6	48.249	50.983
4)	MA	Heptachlor	4.918	3.950	139.0E6	190.8E6	46.271	50.545
5)	MB	Aldrin	5.259	4.229	136.8E6	187.1E6	45.589m	51.112
6)	B	beta-BHC	4.528	3.911	69072903	83203489	47.786	50.541
7)	B	delta-BHC	4.775	4.139	148.8E6	198.7E6	47.531	51.693
8)	B	Heptachlo...	5.685	4.732	125.5E6	165.6E6	45.430m	49.550
9)	A	Endosulfan I	6.072	5.102	111.3E6	145.0E6	44.499	47.485
10)	B	gamma-Chl...	5.942	4.982	120.6E6	165.4E6	45.334	49.213
11)	B	alpha-Chl...	6.021	5.046	118.6E6	164.3E6	44.801	49.406
12)	B	4,4'-DDE	6.195	5.235	106.6E6	162.3E6	45.001	50.377
13)	MA	Dieldrin	6.347	5.366	117.1E6	163.6E6	44.422	48.967
14)	MA	Endrin	6.576	5.642	98474329	138.9E6	43.254	48.022
15)	B	Endosulfa...	6.796	5.937	101.8E6	135.2E6	42.705	47.727
16)	A	4,4'-DDD	6.712	5.790	90621005	127.0E6	47.210	51.016
17)	MA	4,4'-DDT	7.025	6.041	89034020	121.4E6	43.017	45.263
18)	B	Endrin al...	6.926	6.116	81191003	106.0E6	43.233	45.945
19)	B	Endosulfa...	7.161	6.339	93866365	125.5E6	43.250	46.531
20)	A	Methoxychlor	7.502	6.615	49380321	63550053	43.316	44.502
21)	B	Endrin ke...	7.646	6.845	104.9E6	138.5E6	43.276	45.132
22)		Mirex	8.119	7.024	81560279	110.3E6	41.157	42.289m

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

Sample Results: **PL092912.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092912.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 17:41
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

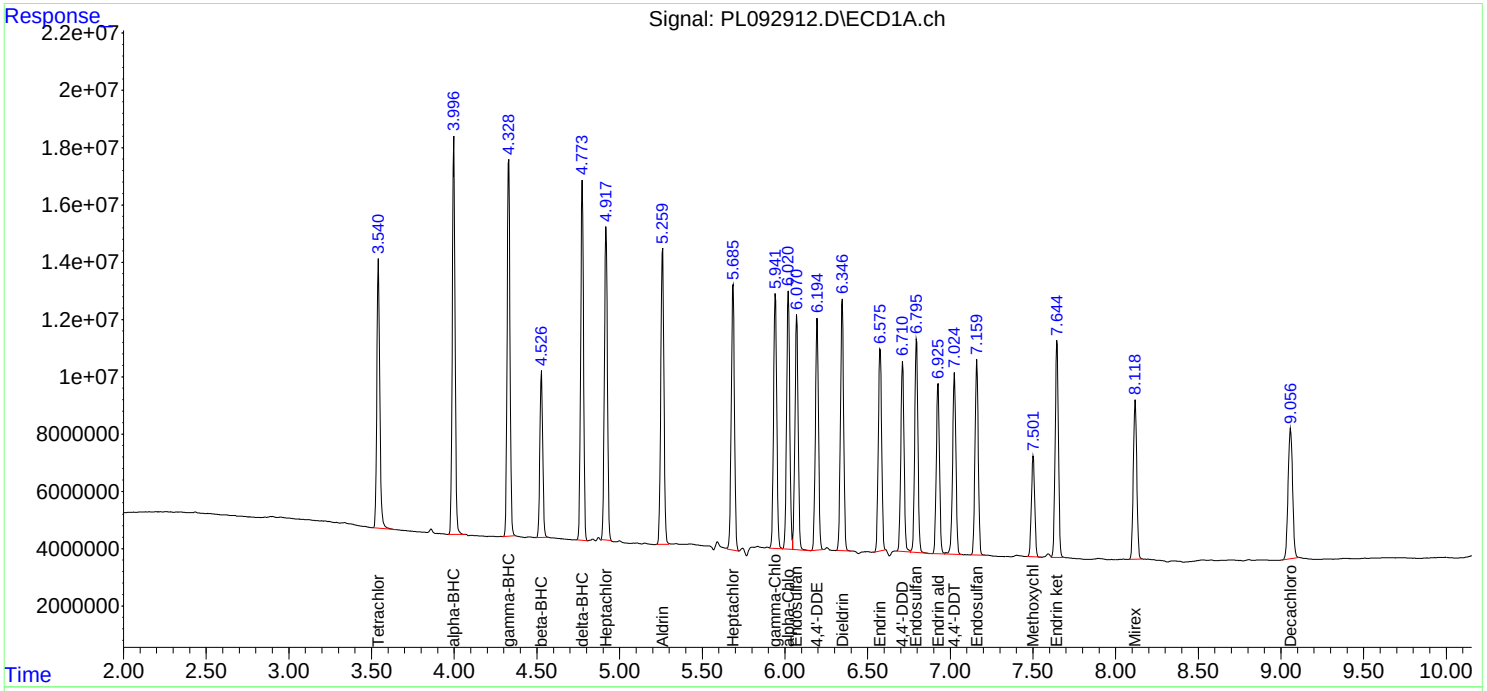
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

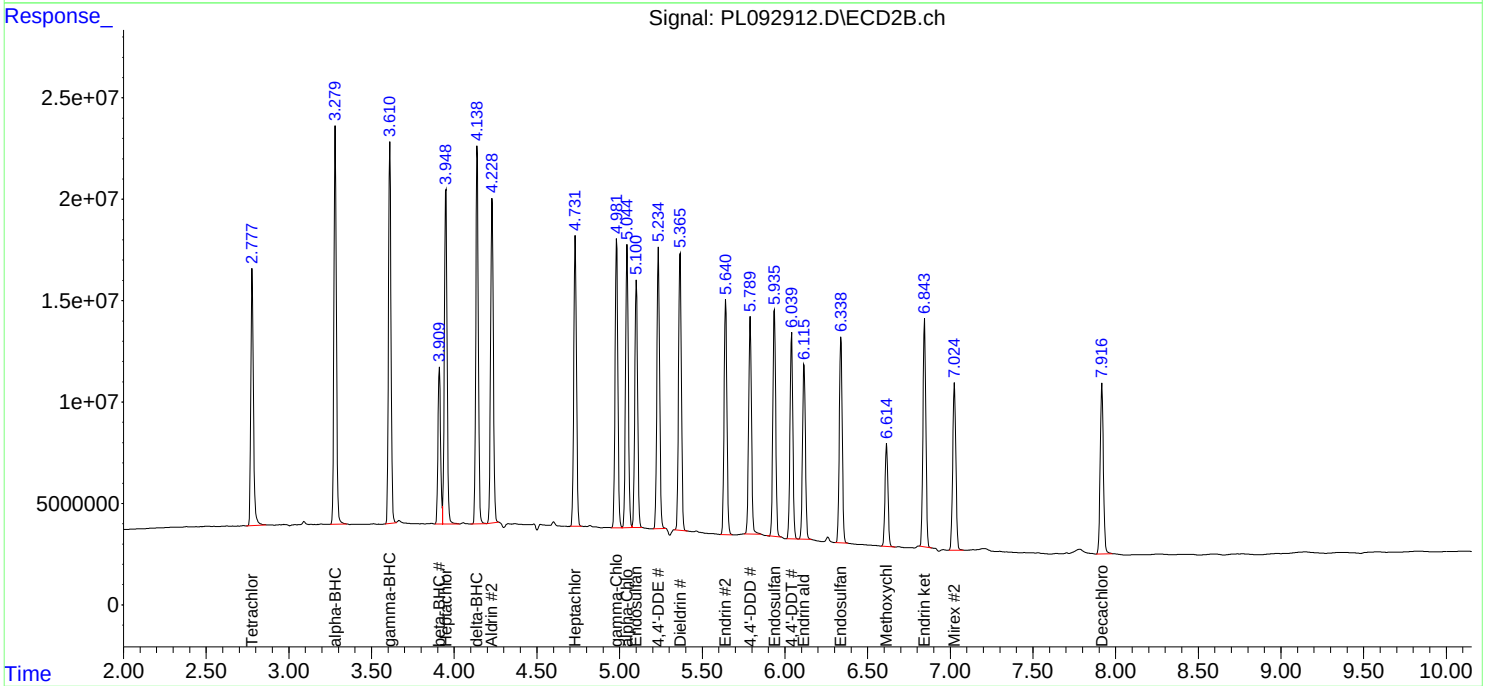
Manual Integrations APPROVED

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 08 00:07:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL092916.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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

Continuing Calib Time: 18:51 **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
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	0.00
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Raw Data: **PL092916.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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

Continuing Calib Time: 18:51 **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
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.01
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

Raw Data: **PL092916.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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

Client Sample No.: CCAL04 **Date Analyzed:** 11/07/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092916.D **Time Analyzed:** 18:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.712	6.610	6.810	47.100	50.000	-5.8
4,4'-DDE	6.194	6.093	6.293	45.860	50.000	-8.3
4,4'-DDT	7.026	6.923	7.123	43.250	50.000	-13.5
Aldrin	5.259	5.158	5.358	46.420	50.000	-7.2
alpha-BHC	3.998	3.896	4.096	48.340	50.000	-3.3
alpha-Chlordane	6.021	5.919	6.119	45.360	50.000	-9.3
beta-BHC	4.528	4.425	4.625	47.410	50.000	-5.2
Decachlorobiphenyl	9.057	8.954	9.154	44.800	50.000	-10.4
delta-BHC	4.775	4.672	4.872	47.740	50.000	-4.5
Dieldrin	6.347	6.245	6.445	45.110	50.000	-9.8
Endosulfan I	6.072	5.970	6.170	45.100	50.000	-9.8
Endosulfan II	6.797	6.694	6.894	44.070	50.000	-11.9
Endosulfan sulfate	7.161	7.058	7.258	43.920	50.000	-12.2
Endrin	6.577	6.474	6.674	43.630	50.000	-12.7
Endrin aldehyde	6.926	6.824	7.024	45.190	50.000	-9.6
Endrin ketone	7.645	7.543	7.743	43.770	50.000	-12.5
gamma-BHC (Lindane)	4.330	4.228	4.428	47.980	50.000	-4.0
gamma-Chlordane	5.942	5.841	6.041	45.440	50.000	-9.1
Heptachlor	4.917	4.817	5.017	46.490	50.000	-7.0
Heptachlor epoxide	5.686	5.584	5.784	45.510	50.000	-9.0
Methoxychlor	7.501	7.399	7.599	44.260	50.000	-11.5
Tetrachloro-m-xylene	3.542	3.440	3.640	47.900	50.000	-4.2

Raw Data: **PL092916.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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

Client Sample No.: CCAL04 **Date Analyzed:** 11/07/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092916.D **Time Analyzed:** 18:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.790	5.689	5.889	51.850	50.000	3.7
4,4'-DDE	5.235	5.135	5.335	50.640	50.000	1.3
4,4'-DDT	6.040	5.940	6.140	46.830	50.000	-6.3
Aldrin	4.230	4.129	4.329	50.860	50.000	1.7
alpha-BHC	3.281	3.181	3.381	51.420	50.000	2.8
alpha-Chlordane	5.046	4.945	5.145	50.260	50.000	0.5
beta-BHC	3.910	3.810	4.010	50.530	50.000	1.1
Decachlorobiphenyl	7.917	7.816	8.016	43.460	50.000	-13.1
delta-BHC	4.139	4.039	4.239	51.360	50.000	2.7
Dieldrin	5.366	5.266	5.466	49.910	50.000	-0.2
Endosulfan I	5.102	5.002	5.202	47.240	50.000	-5.5
Endosulfan II	5.937	5.836	6.036	49.040	50.000	-1.9
Endosulfan sulfate	6.338	6.238	6.438	47.640	50.000	-4.7
Endrin	5.642	5.541	5.741	50.320	50.000	0.6
Endrin aldehyde	6.116	6.015	6.215	47.690	50.000	-4.6
Endrin ketone	6.844	6.743	6.943	47.930	50.000	-4.1
gamma-BHC (Lindane)	3.611	3.511	3.711	51.220	50.000	2.4
gamma-Chlordane	4.982	4.882	5.082	50.410	50.000	0.8
Heptachlor	3.950	3.849	4.049	50.110	50.000	0.2
Heptachlor epoxide	4.733	4.632	4.832	50.460	50.000	0.9
Methoxychlor	6.615	6.515	6.715	45.360	50.000	-9.3
Tetrachloro-m-xylene	2.778	2.678	2.878	50.430	50.000	0.9

Quantitation Report (QT Reviewed)

Sample Results: **PL092916.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092916.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 18:51
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 08 00:08:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.542	2.778	117.4E6	137.2E6	47.895	50.435
28)	SA	Decachlor...	9.057	7.917	86224269	118.6E6	44.802	43.462
		Target Compounds						
2)	A	alpha-BHC	3.998	3.281	164.0E6	205.2E6	48.344	51.416
3)	MA	gamma-BHC...	4.330	3.611	156.4E6	197.7E6	47.982	51.224
4)	MA	Heptachlor	4.917	3.950	139.6E6	189.1E6	46.488m	50.109
5)	MB	Aldrin	5.259	4.230	139.3E6	186.2E6	46.417m	50.863
6)	B	beta-BHC	4.528	3.910	68535981	83192853	47.415	50.535
7)	B	delta-BHC	4.775	4.139	149.4E6	197.4E6	47.738	51.355
8)	B	Heptachlo...	5.686	4.733	125.7E6	168.6E6	45.512	50.463
9)	A	Endosulfan I	6.072	5.102	112.8E6	144.2E6	45.097	47.237
10)	B	gamma-Chl...	5.942	4.982	120.9E6	169.5E6	45.437	50.407
11)	B	alpha-Chl...	6.021	5.046	120.1E6	167.2E6	45.361	50.264
12)	B	4,4'-DDE	6.194	5.235	108.6E6	163.2E6	45.857	50.645
13)	MA	Dieldrin	6.347	5.366	118.9E6	166.7E6	45.106	49.909
14)	MA	Endrin	6.577	5.642	99336792	145.6E6	43.633	50.320
15)	B	Endosulfa...	6.797	5.937	105.0E6	138.9E6	44.066	49.036
16)	A	4,4'-DDD	6.712	5.790	90403784	129.1E6	47.097	51.848
17)	MA	4,4'-DDT	7.026	6.040	89512120	125.6E6	43.248	46.829
18)	B	Endrin al...	6.926	6.116	84861065	110.0E6	45.188	47.689
19)	B	Endosulfa...	7.161	6.338	95328871	128.5E6	43.923	47.640
20)	A	Methoxychlor	7.501	6.615	50459136	64774129	44.262	45.359
21)	B	Endrin ke...	7.645	6.844	106.1E6	147.1E6	43.772	47.928
22)		Mirex	8.119	7.025	84547138	116.9E6	42.664	44.789

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

Sample Results: **PL092916.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092916.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 18:51
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

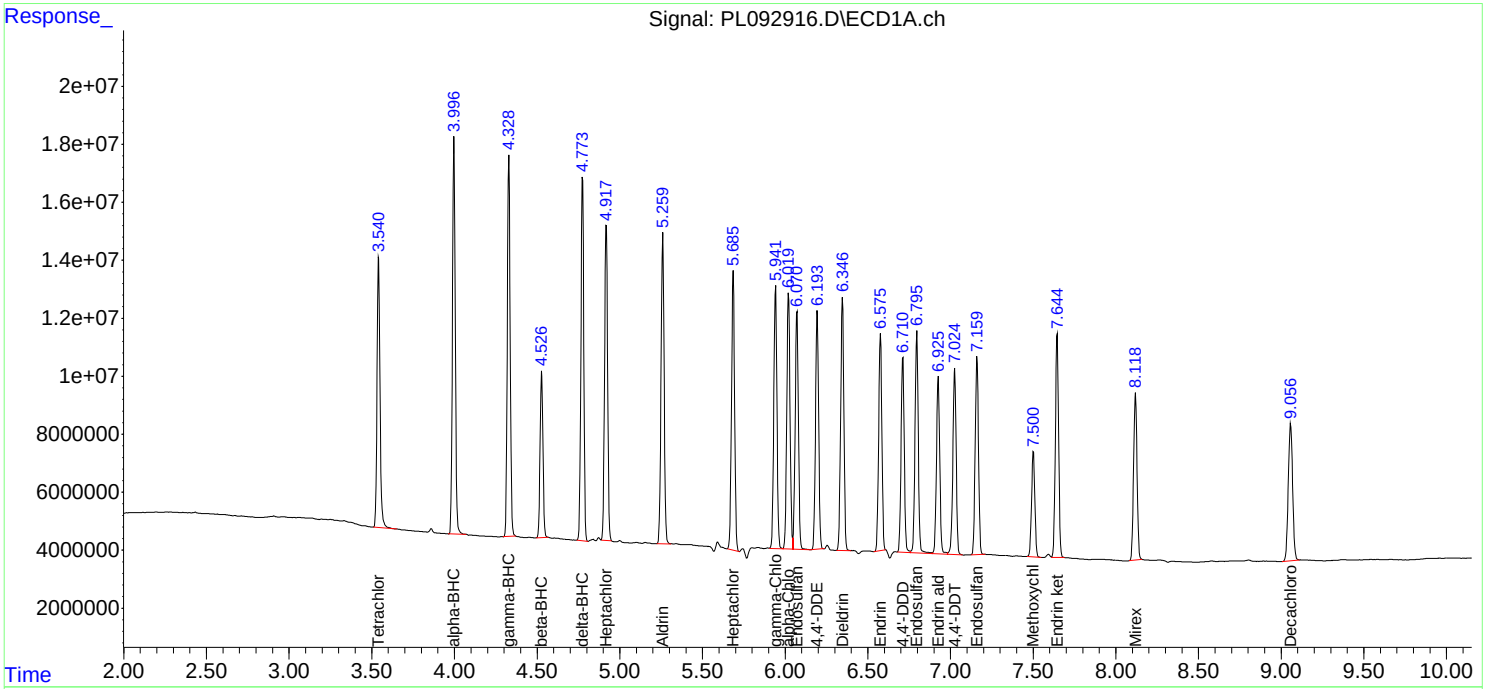
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

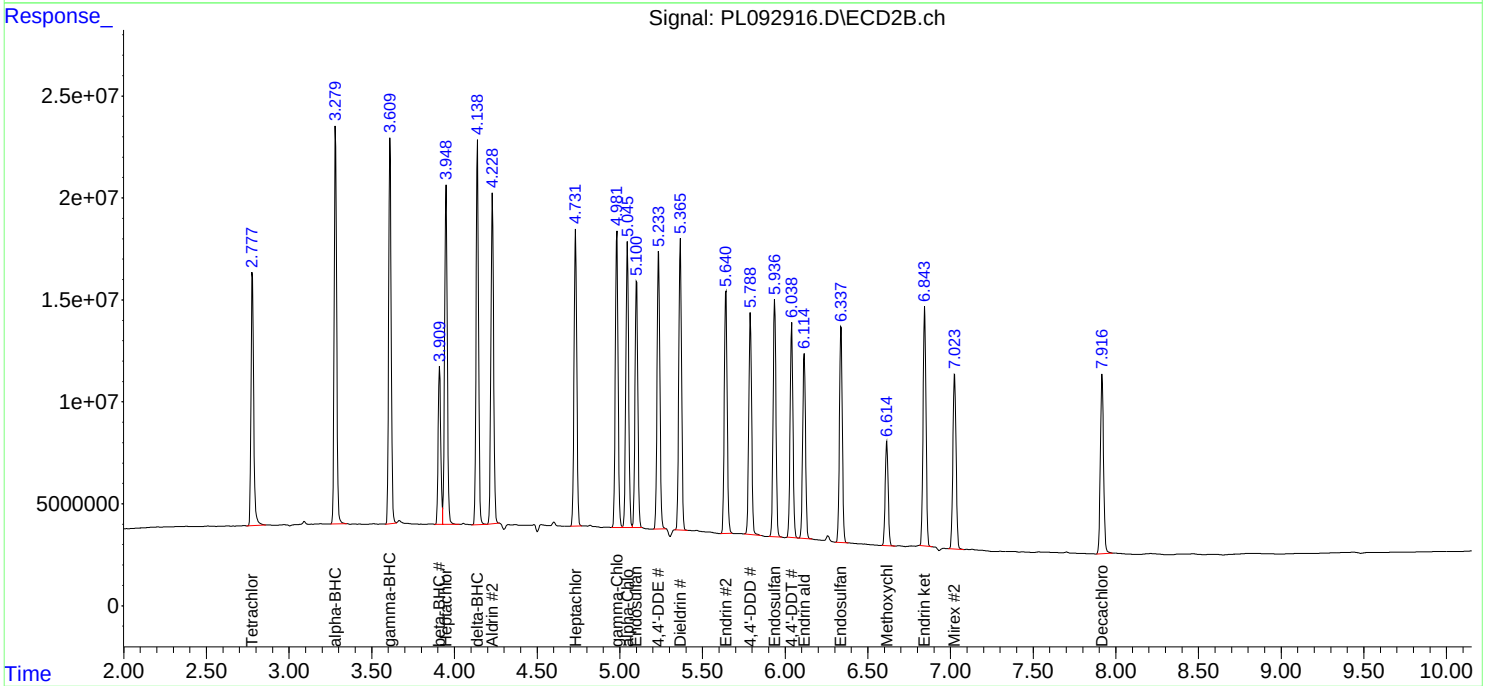
Manual Integrations APPROVED

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 08 00:08:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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

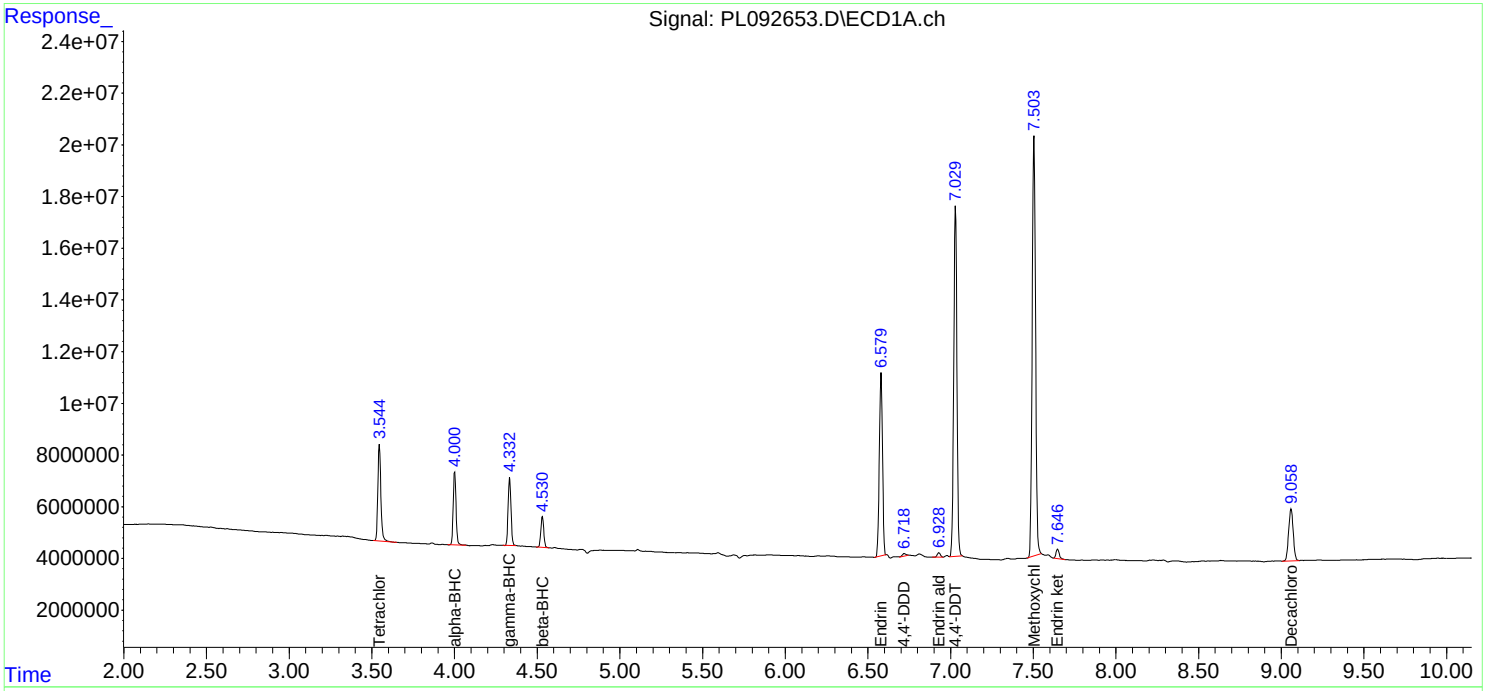
Instrument :
ECD_L
ClientSampleId :
PEM

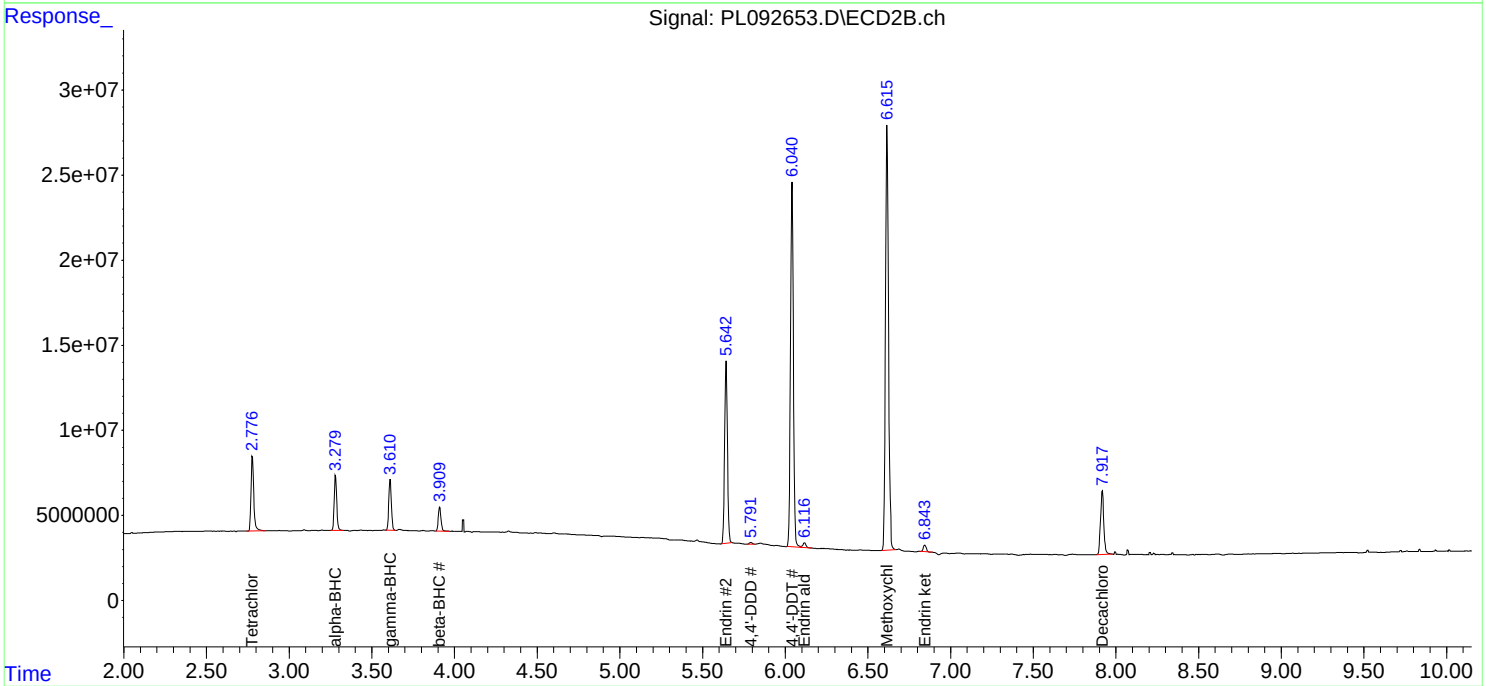
Manual Integrations APPROVED

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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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.

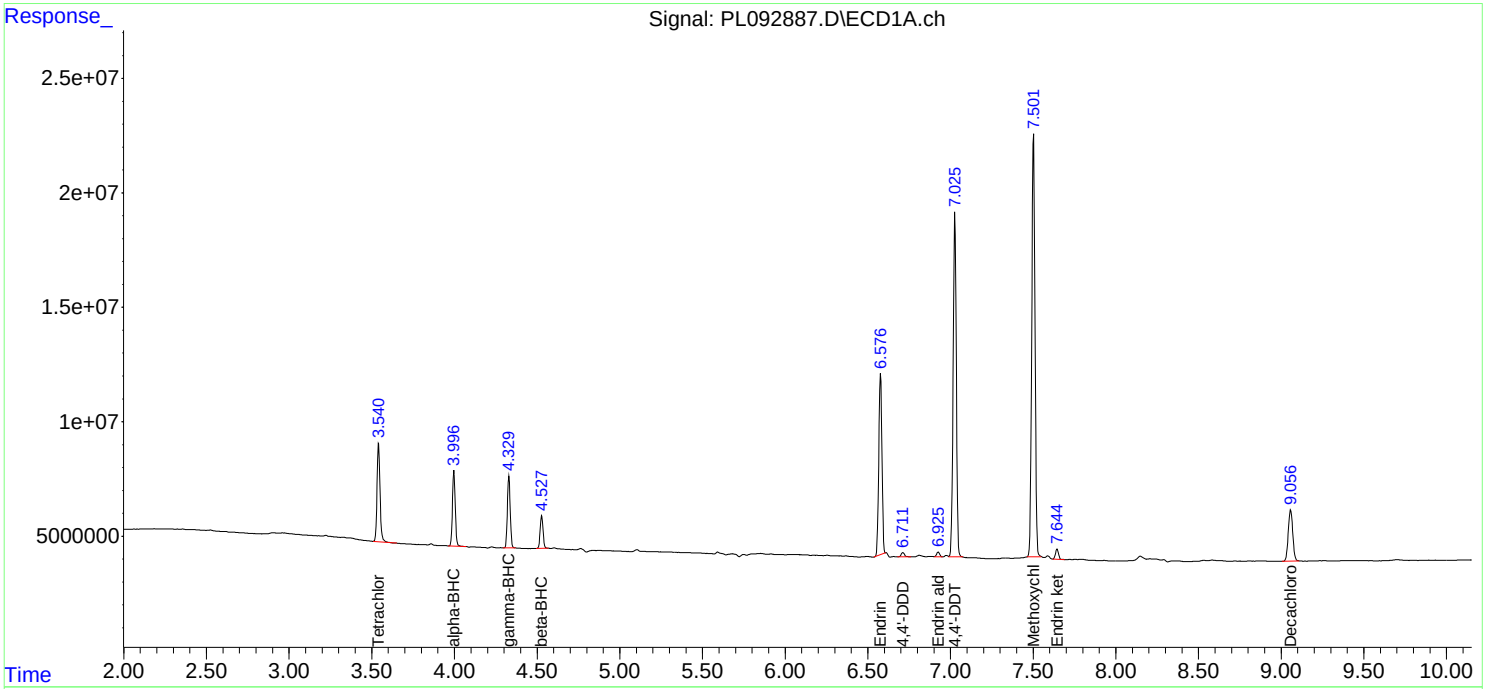
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092887.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 11:08
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

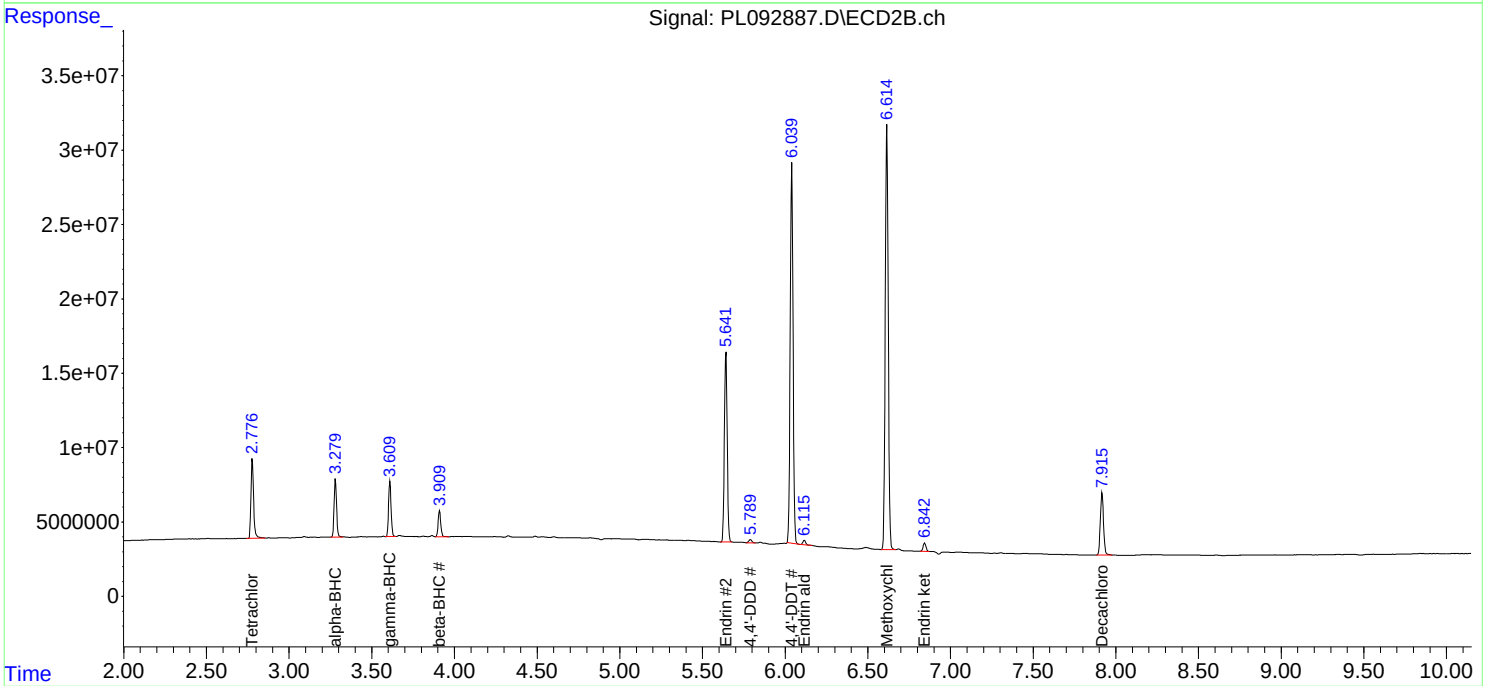
Instrument :
ECD_L
ClientSampleId :
PEM

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





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

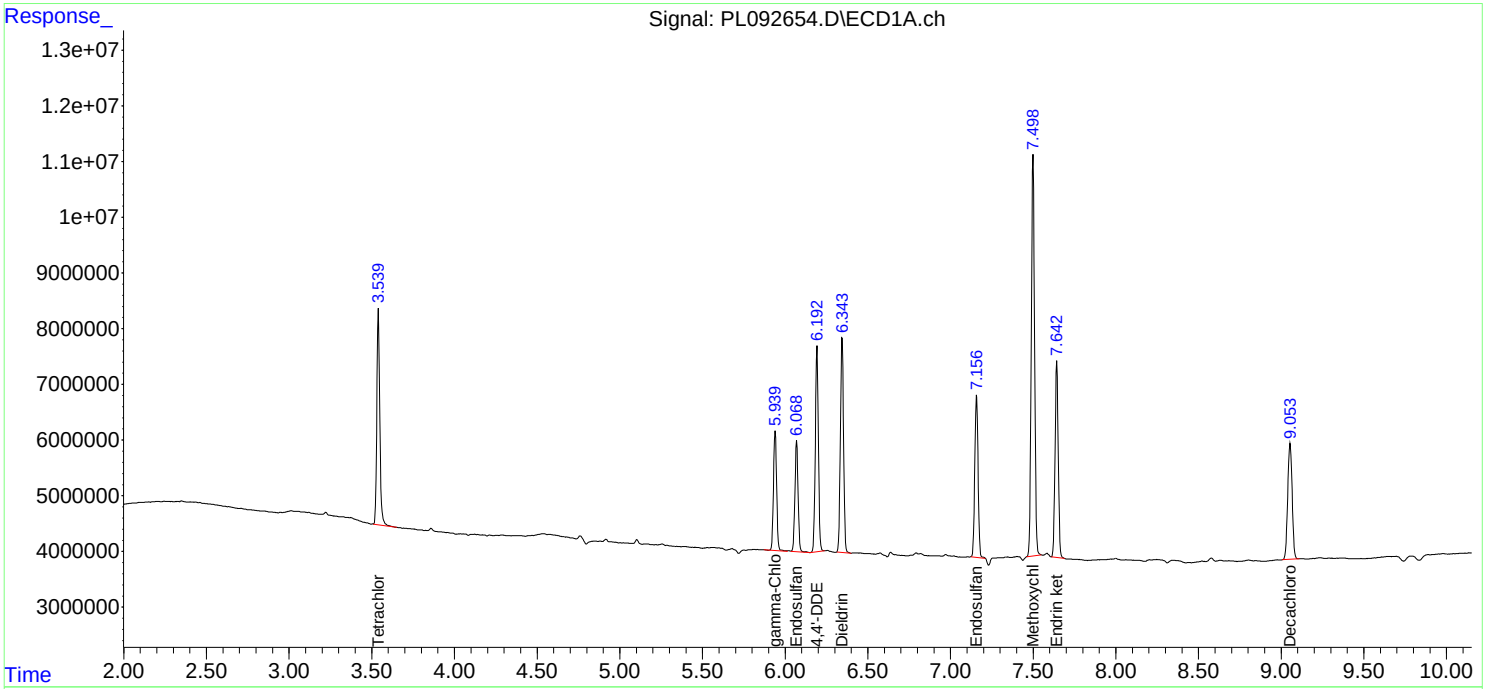
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

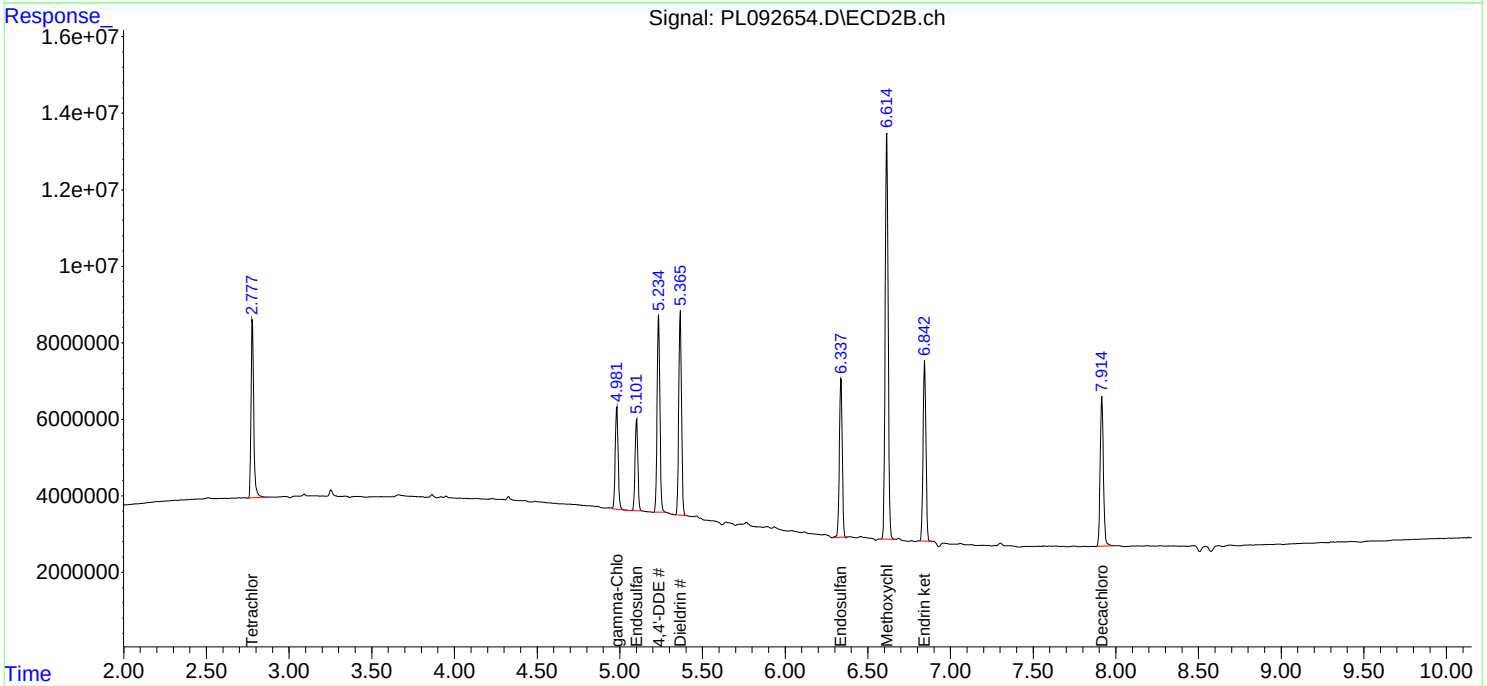
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092654.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:29
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

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





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Fax : 908 789 8922

Analytical Sequence

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Sta **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
PB164749BL	PB164749BL	11/07/2024	13:52	PL092897.D	9.06	3.54
PB164749BS	PB164749BS	11/07/2024	14:06	PL092898.D	9.06	3.54
JC-701-COMP-01MS	P4720-01MS	11/07/2024	14:34	PL092900.D	9.06	3.54
JC-701-COMP-01MSD	P4720-01MSD	11/07/2024	14:47	PL092901.D	9.06	3.54
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
WC-2(0-6)	P4722-08	11/07/2024	16:04	PL092905.D	9.07	3.55
I.BLK	I.BLK	11/07/2024	17:27	PL092911.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/07/2024	17:41	PL092912.D	9.06	3.54
WC-1(0-6)	P4722-03	11/07/2024	17:55	PL092913.D	9.06	3.54
WC-3(0-6)	P4722-13	11/07/2024	18:09	PL092914.D	9.06	3.54
I.BLK	I.BLK	11/07/2024	18:37	PL092915.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/07/2024	18:51	PL092916.D	9.06	3.54

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Fax : 908 789 8922

Analytical Sequence

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Sta **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
PB164749BL	PB164749BL	11/07/2024	13:52	PL092897.D	7.92	2.78
PB164749BS	PB164749BS	11/07/2024	14:06	PL092898.D	7.92	2.78
JC-701-COMP-01MS	P4720-01MS	11/07/2024	14:34	PL092900.D	7.92	2.78
JC-701-COMP-01MSD	P4720-01MSD	11/07/2024	14:47	PL092901.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
WC-2(0-6)	P4722-08	11/07/2024	16:04	PL092905.D	7.92	2.78
I.BLK	I.BLK	11/07/2024	17:27	PL092911.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/07/2024	17:41	PL092912.D	7.92	2.78
WC-1(0-6)	P4722-03	11/07/2024	17:55	PL092913.D	7.92	2.78
WC-3(0-6)	P4722-13	11/07/2024	18:09	PL092914.D	7.92	2.78
I.BLK	I.BLK	11/07/2024	18:37	PL092915.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/07/2024	18:51	PL092916.D	7.92	2.78

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JC-701-COMP-01MS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4720-01MS **Date(s) Analyzed:** 11/07/2024 11/07/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.80	6.75	6.85	17.3	14.5
	2	5.94	5.89	5.99	20.0	
4,4'-DDD	1	6.71	6.66	6.76	20.3	9.3
	2	5.79	5.74	5.84	18.5	
4,4'-DDT	1	7.03	6.98	7.08	28.6	10.9
	2	6.04	5.99	6.09	31.9	
Endrin aldehyde	1	6.93	6.88	6.98	17.0	8.5
	2	6.12	6.07	6.17	18.5	
Endosulfan sulfate	1	7.16	7.11	7.21	14.2	10
	2	6.34	6.29	6.39	15.7	
Methoxychlor	1	7.50	7.45	7.55	17.2	5.1
	2	6.61	6.56	6.66	18.1	
Endrin ketone	1	7.65	7.60	7.70	18.0	0.6
	2	6.85	6.80	6.90	17.9	
alpha-BHC	1	4.00	3.95	4.05	16.3	0.6
	2	3.28	3.23	3.33	16.4	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.2	3
	2	3.61	3.56	3.66	16.7	
Heptachlor	1	4.92	4.87	4.97	18.2	5.9
	2	3.95	3.90	4.00	19.3	
Aldrin	1	5.26	5.21	5.31	17.4	5
	2	4.23	4.18	4.28	18.3	
beta-BHC	1	4.53	4.48	4.58	17.7	7.1
	2	3.91	3.86	3.96	19.0	
delta-BHC	1	4.77	4.72	4.82	4.60	19
	2	4.14	4.09	4.19	3.80	
Heptachlor epoxide	1	5.69	5.64	5.74	17.9	3.8
	2	4.73	4.68	4.78	18.6	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JC-701-COMP-01MS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4720-01MS **Date(s) Analyzed:** 11/07/2024 11/07/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	17.9	10
	2	5.10	5.05	5.15	16.2	
gamma-Chlordane	1	5.94	5.89	5.99	19.1	5.6
	2	4.98	4.93	5.03	20.2	
alpha-Chlordane	1	6.02	5.97	6.07	18.2	5.3
	2	5.05	5.00	5.10	19.2	
4,4'-DDE	1	6.20	6.15	6.25	22.6	12.8
	2	5.23	5.18	5.28	25.7	
Dieldrin	1	6.35	6.30	6.40	17.8	15.5
	2	5.37	5.32	5.42	20.8	
Endrin	1	6.58	6.53	6.63	18.5	15.9
	2	5.64	5.59	5.69	21.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JC-701-COMP-01MSD

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4720-01MSD **Date(s) Analyzed:** 11/07/2024 11/07/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	20.5	6.5
	2	5.79	5.74	5.84	19.2	
4,4'-DDT	1	7.03	6.98	7.08	28.8	12.1
	2	6.04	5.99	6.09	32.5	
Aldrin	1	5.26	5.21	5.31	17.6	6.6
	2	4.23	4.18	4.28	18.8	
4,4'-DDE	1	6.19	6.14	6.24	22.8	13.9
	2	5.24	5.19	5.29	26.2	
Endosulfan II	1	6.80	6.75	6.85	17.5	15.8
	2	5.94	5.89	5.99	20.5	
Endrin aldehyde	1	6.93	6.88	6.98	17.0	10.1
	2	6.12	6.07	6.17	18.8	
Endosulfan sulfate	1	7.16	7.11	7.21	14.2	12.5
	2	6.34	6.29	6.39	16.1	
Methoxychlor	1	7.50	7.45	7.55	17.2	12
	2	6.61	6.56	6.66	19.4	
Endrin ketone	1	7.64	7.59	7.69	18.5	3.3
	2	6.84	6.79	6.89	17.9	
alpha-BHC	1	4.00	3.95	4.05	16.5	1.2
	2	3.28	3.23	3.33	16.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.3	4.8
	2	3.61	3.56	3.66	17.1	
Heptachlor	1	4.92	4.87	4.97	18.3	7.4
	2	3.95	3.90	4.00	19.7	
beta-BHC	1	4.53	4.48	4.58	17.9	9.1
	2	3.91	3.86	3.96	19.6	
delta-BHC	1	4.77	4.72	4.82	4.60	16.5
	2	4.14	4.09	4.19	3.90	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JC-701-COMP-01MSD

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4720-01MSD **Date(s) Analyzed:** 11/07/2024 11/07/2024

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	5.69	5.64	5.74	18.0	5.4
	2	4.73	4.68	4.78	19.0	
Endosulfan I	1	6.07	6.02	6.12	18.1	10.5
	2	5.10	5.05	5.15	16.3	
gamma-Chlordane	1	5.94	5.89	5.99	19.2	8
	2	4.98	4.93	5.03	20.8	
alpha-Chlordane	1	6.02	5.97	6.07	18.3	7.4
	2	5.05	5.00	5.10	19.7	
Dieldrin	1	6.35	6.30	6.40	18.0	17.3
	2	5.37	5.32	5.42	21.4	
Endrin	1	6.58	6.53	6.63	18.3	18.4
	2	5.64	5.59	5.69	22.0	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164749BS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: PB164749BS **Date(s) Analyzed:** 11/07/2024 11/07/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.80	6.75	6.85	15.8	11.3
	2	5.94	5.89	5.99	17.7	
4,4'-DDD	1	6.71	6.66	6.76	16.6	6.4
	2	5.79	5.74	5.84	17.7	
4,4'-DDT	1	7.03	6.98	7.08	16.7	5.8
	2	6.04	5.99	6.09	17.7	
Endrin aldehyde	1	6.93	6.88	6.98	15.7	6.2
	2	6.12	6.07	6.17	16.7	
Endosulfan sulfate	1	7.16	7.11	7.21	15.7	8.5
	2	6.34	6.29	6.39	17.1	
Methoxychlor	1	7.50	7.45	7.55	16.3	4.8
	2	6.62	6.57	6.67	17.1	
Endrin ketone	1	7.65	7.60	7.70	15.8	9.1
	2	6.85	6.80	6.90	17.3	
alpha-BHC	1	4.00	3.95	4.05	15.6	3.2
	2	3.28	3.23	3.33	16.1	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.5	3.2
	2	3.61	3.56	3.66	16.0	
Heptachlor	1	4.92	4.87	4.97	16.1	5.4
	2	3.95	3.90	4.00	17.0	
Aldrin	1	5.26	5.21	5.31	15.3	6.3
	2	4.23	4.18	4.28	16.3	
beta-BHC	1	4.53	4.48	4.58	16.0	4.3
	2	3.91	3.86	3.96	16.7	
delta-BHC	1	4.78	4.73	4.83	14.2	0.7
	2	4.14	4.09	4.19	14.3	
Heptachlor epoxide	1	5.69	5.64	5.74	15.5	7.5
	2	4.73	4.68	4.78	16.7	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164749BS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: PB164749BS **Date(s) Analyzed:** 11/07/2024 11/07/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	15.9	7.3
	2	5.10	5.05	5.15	17.1	
gamma-Chlordane	1	5.94	5.89	5.99	16.1	6.6
	2	4.98	4.93	5.03	17.2	
alpha-Chlordane	1	6.02	5.97	6.07	16.1	6
	2	5.05	5.00	5.10	17.1	
4,4'-DDE	1	6.20	6.15	6.25	16.3	5.4
	2	5.24	5.19	5.29	17.2	
Dieldrin	1	6.35	6.30	6.40	16.0	7.2
	2	5.37	5.32	5.42	17.2	
Endrin	1	6.58	6.53	6.63	15.9	11.3
	2	5.64	5.59	5.69	17.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-1(0-6)

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4722-03 **Date(s) Analyzed:** 11/07/2024 11/07/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDE	1	6.19	6.14	6.24	1.80	28.6
	2	5.24	5.19	5.29	2.40	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-2(0-6)

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4722-08 **Date(s) Analyzed:** 11/07/2024 11/07/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan sulfate	1	7.15	7.10	7.20	0.80	5.2
	2	6.34	6.29	6.39	0.76	

QC SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164749BL	SDG No.:	P4722
Lab Sample ID:	PB164749BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092897.D	1	11/07/24 08:40	11/07/24 13:52	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.49	U	0.49	1.70	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.13	U	0.13	1.70	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.70	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.38	U	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.17	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.4		10 - 148	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		10 - 159	104%	SPK: 20

Raw Data: **PL092897.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164749BL	SDG No.:	P4722
Lab Sample ID:	PB164749BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092897.D	1	11/07/24 08:40	11/07/24 13:52	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092897.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 13:52
Operator : AR\AJ
Sample : PB164749BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164749BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 23:48:51 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	51092053	54776587	20.852	20.130
28)	SA Decachlor...	9.059	7.918	43203840	60769141	22.449	22.266
	Target Compounds						

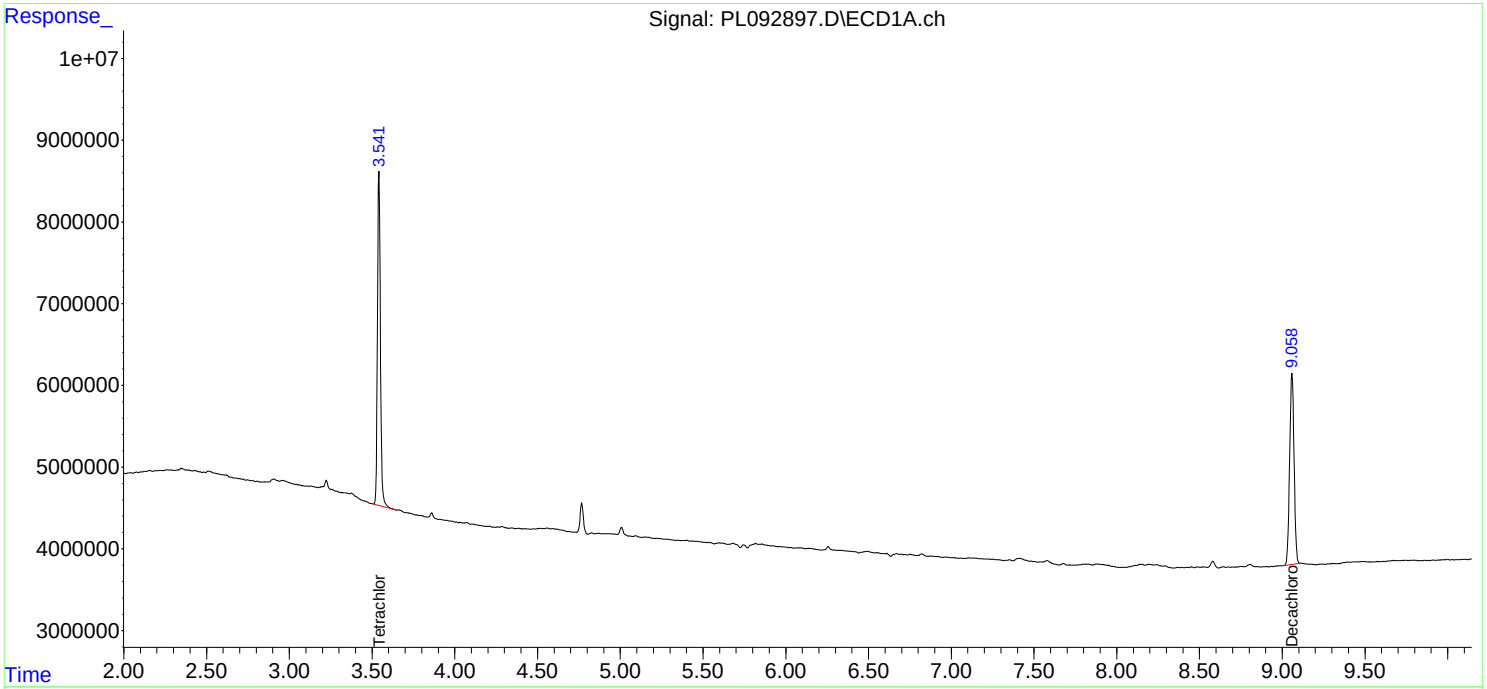
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

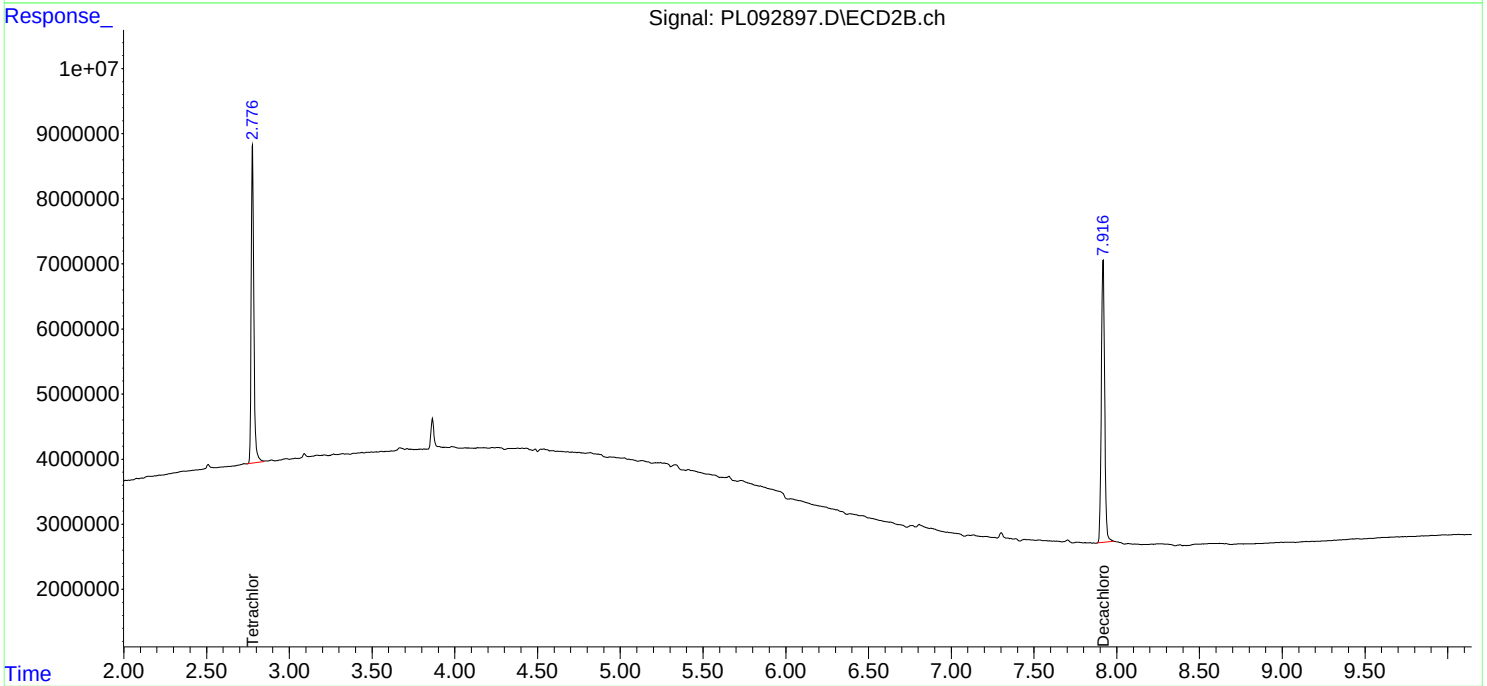
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 13:52
Operator : AR\AJ
Sample : PB164749BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

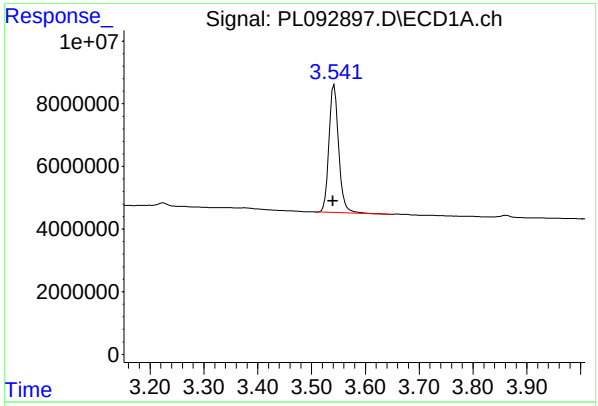
Instrument :
ECD_L
ClientSampleId :
PB164749BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 23:48:51 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



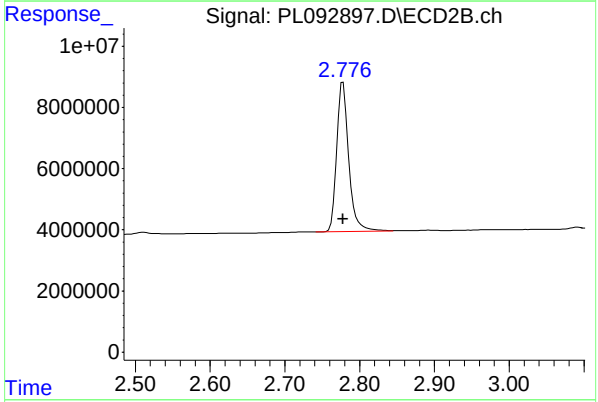




#1 Tetrachloro-m-xylene

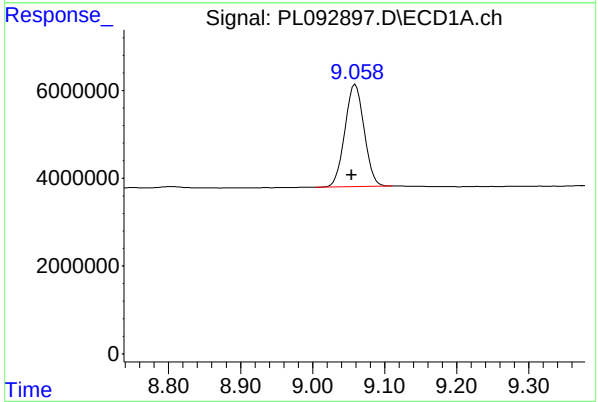
R.T.: 3.542 min
Delta R.T.: 0.002 min
Response: 51092053
Conc: 20.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164749BL



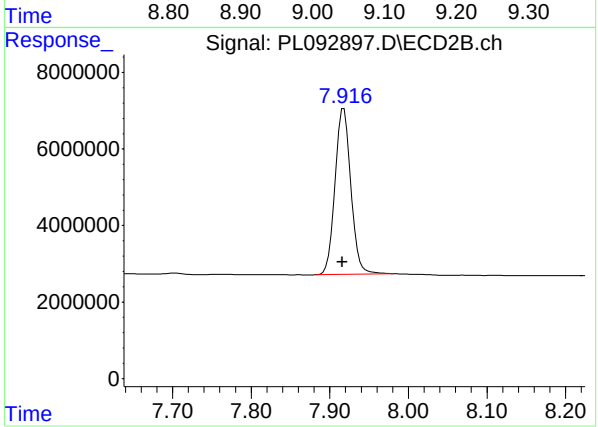
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 54776587
Conc: 20.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.005 min
Response: 43203840
Conc: 22.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.002 min
Response: 60769141
Conc: 22.27 ng/ml

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	10/28/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	10/28/24
Client Sample ID:	PIBLK-PL092652.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092652.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		43 - 140	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		77 - 126	108%	SPK: 20

Raw Data: **PL092652.D**

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	10/28/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	10/28/24
Client Sample ID:	PIBLK-PL092652.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092652.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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						

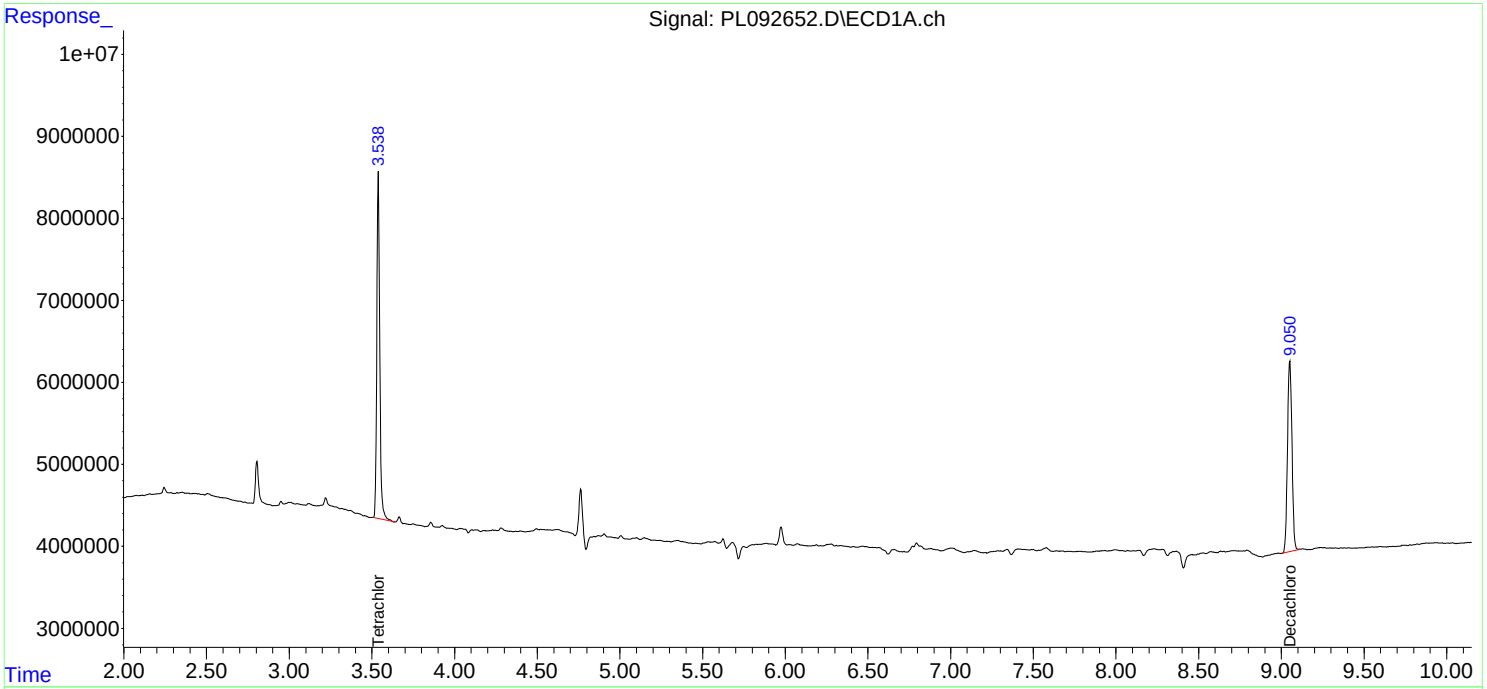
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

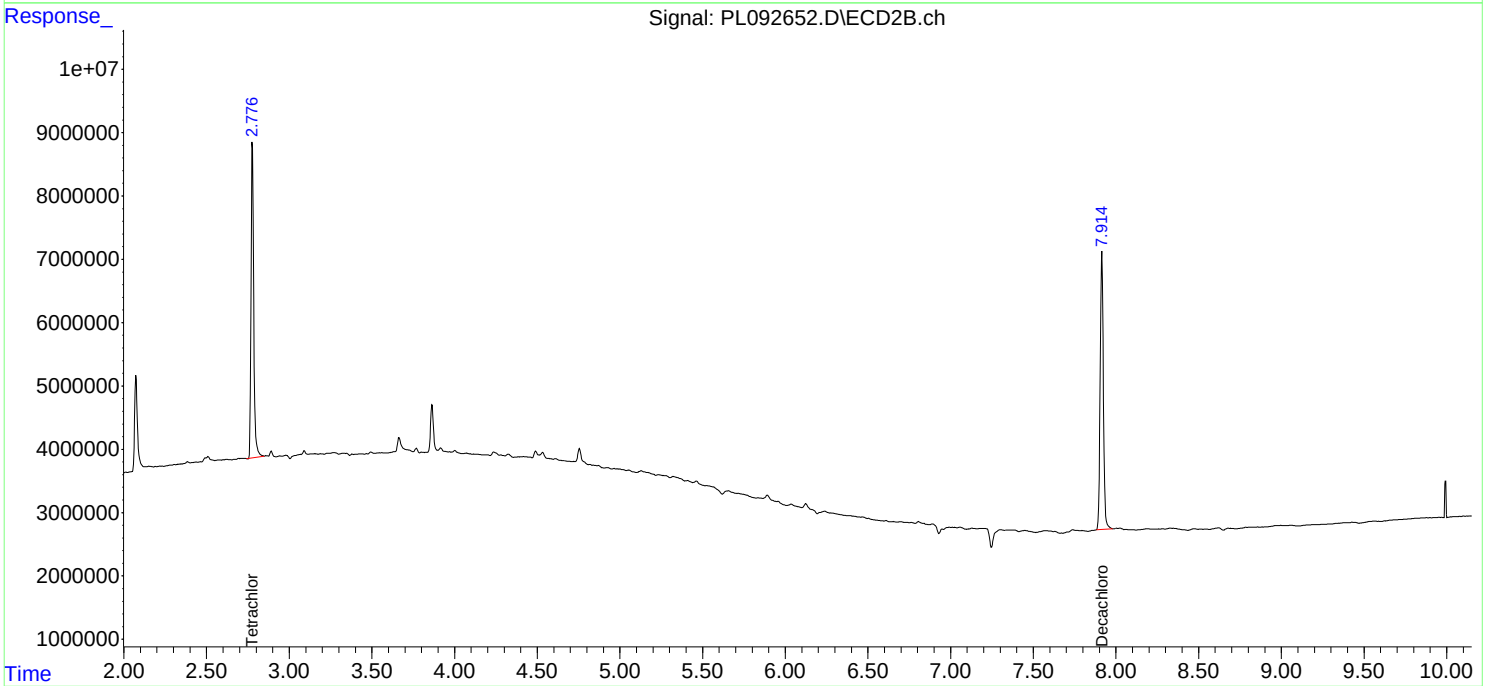
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092652.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 13:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

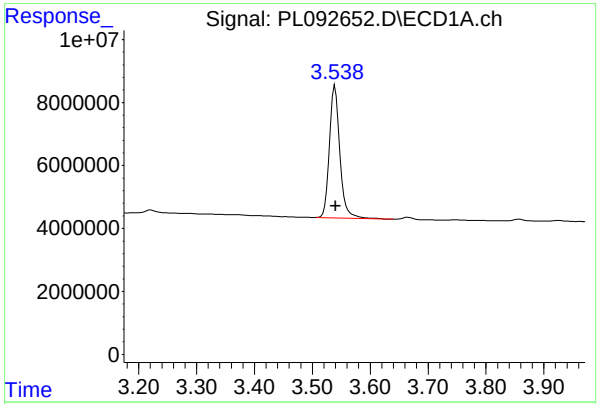
Instrument :
ECD_L
ClientSampleId :
I.BLK

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



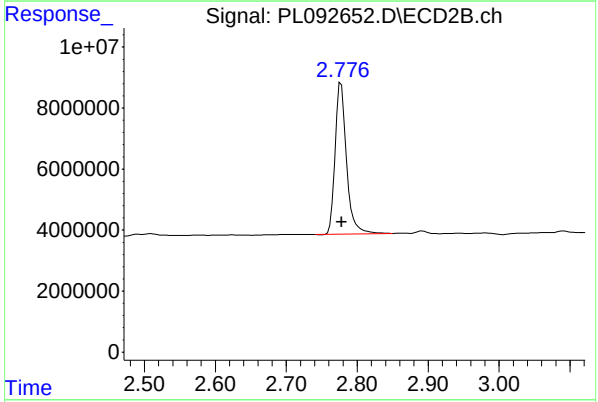




#1 Tetrachloro-m-xylene

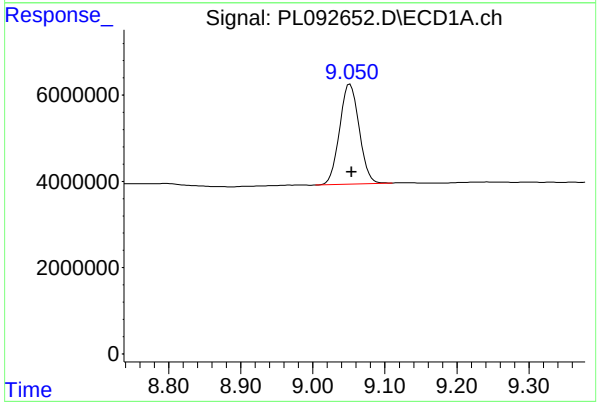
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 52846066
Conc: 21.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



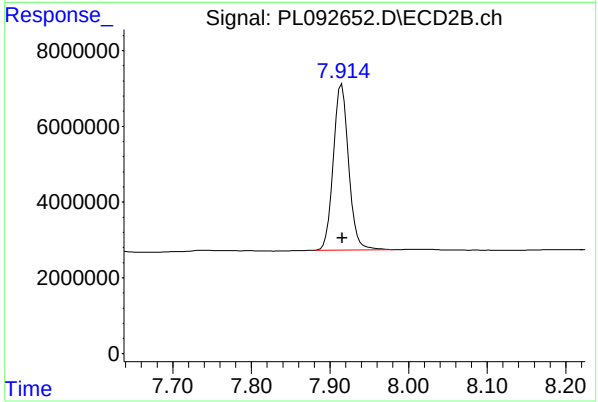
#1 Tetrachloro-m-xylene

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:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092886.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092886.D	Matrix:	water
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.5		43 - 140	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		77 - 126	102%	SPK: 20

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:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092886.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092886.D	Matrix:	water
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **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.

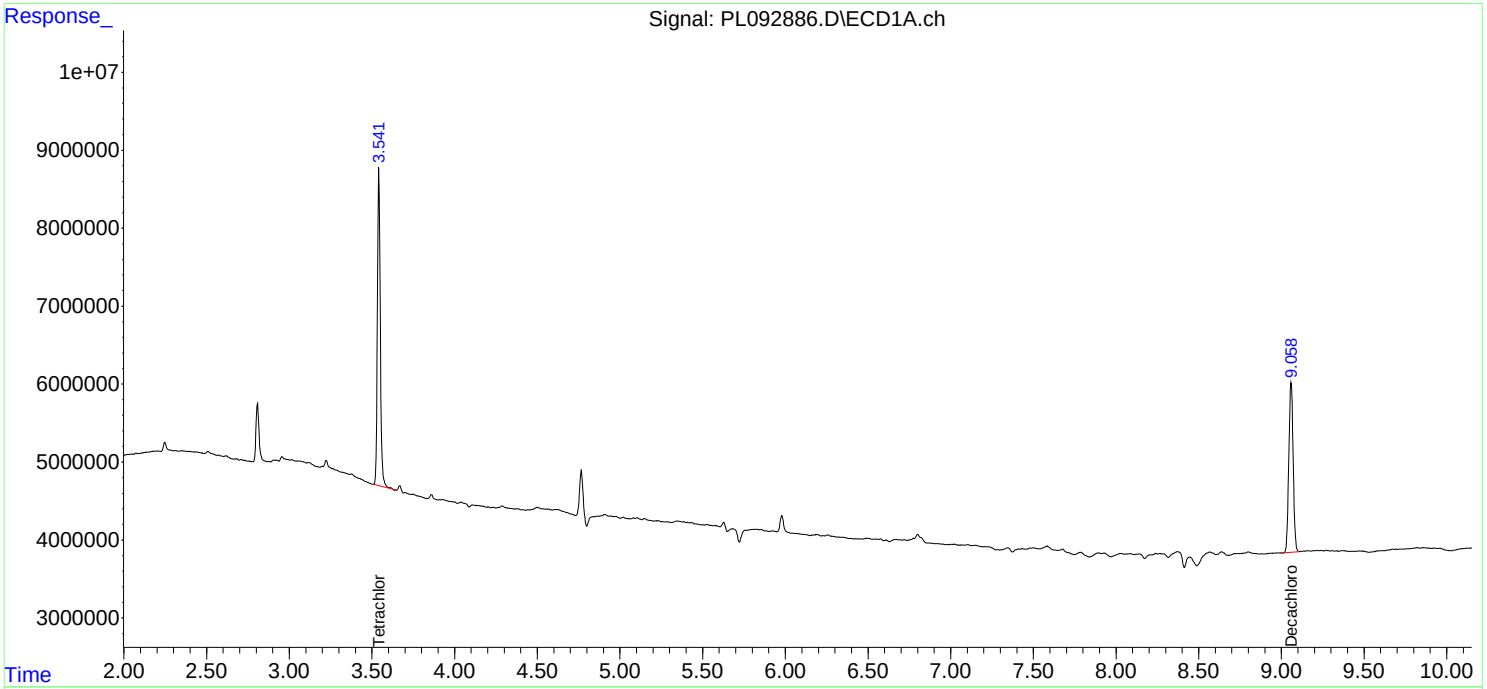
Sample Results: **PL092886.D**

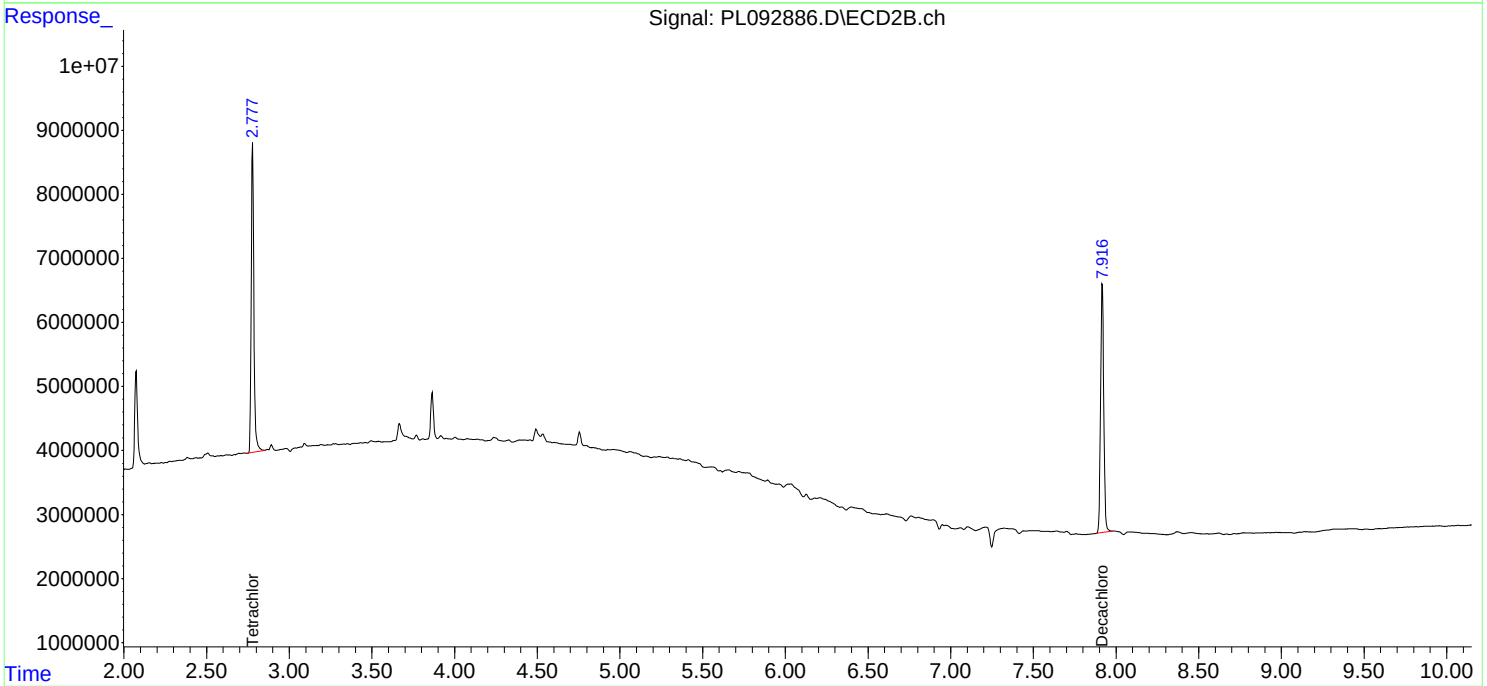
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 09:34
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

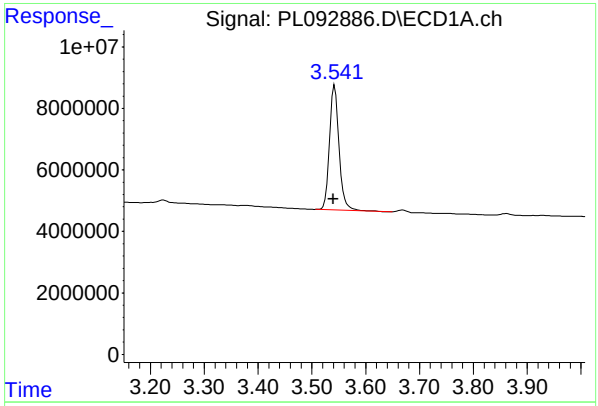
Instrument :
ECD_L
ClientSampleId :
I.BLK

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



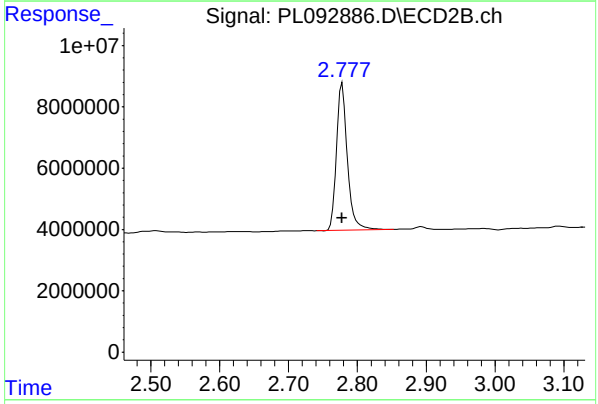




#1 Tetrachloro-m-xylene

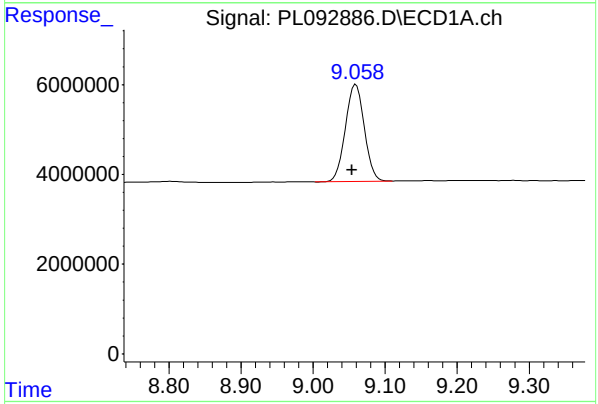
R.T.: 3.542 min
Delta R.T.: 0.002 min
Response: 49882338
Conc: 20.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



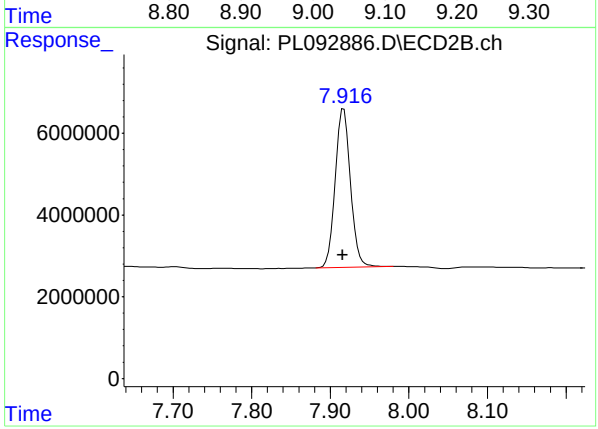
#1 Tetrachloro-m-xylene

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:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092903.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092903.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.5		43 - 140	92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		77 - 126	103%	SPK: 20

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:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092903.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092903.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\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

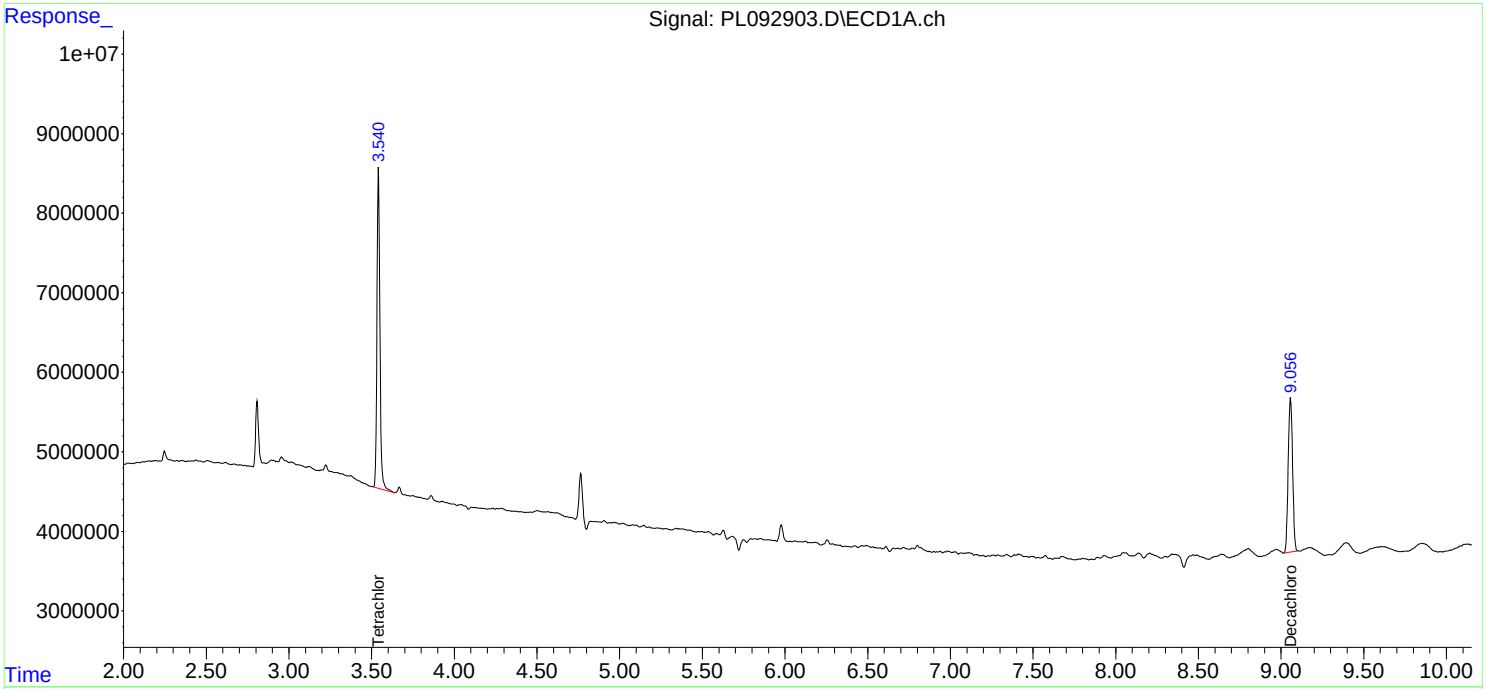
Instrument :
ECD_L
ClientSampleId :
I.BLK

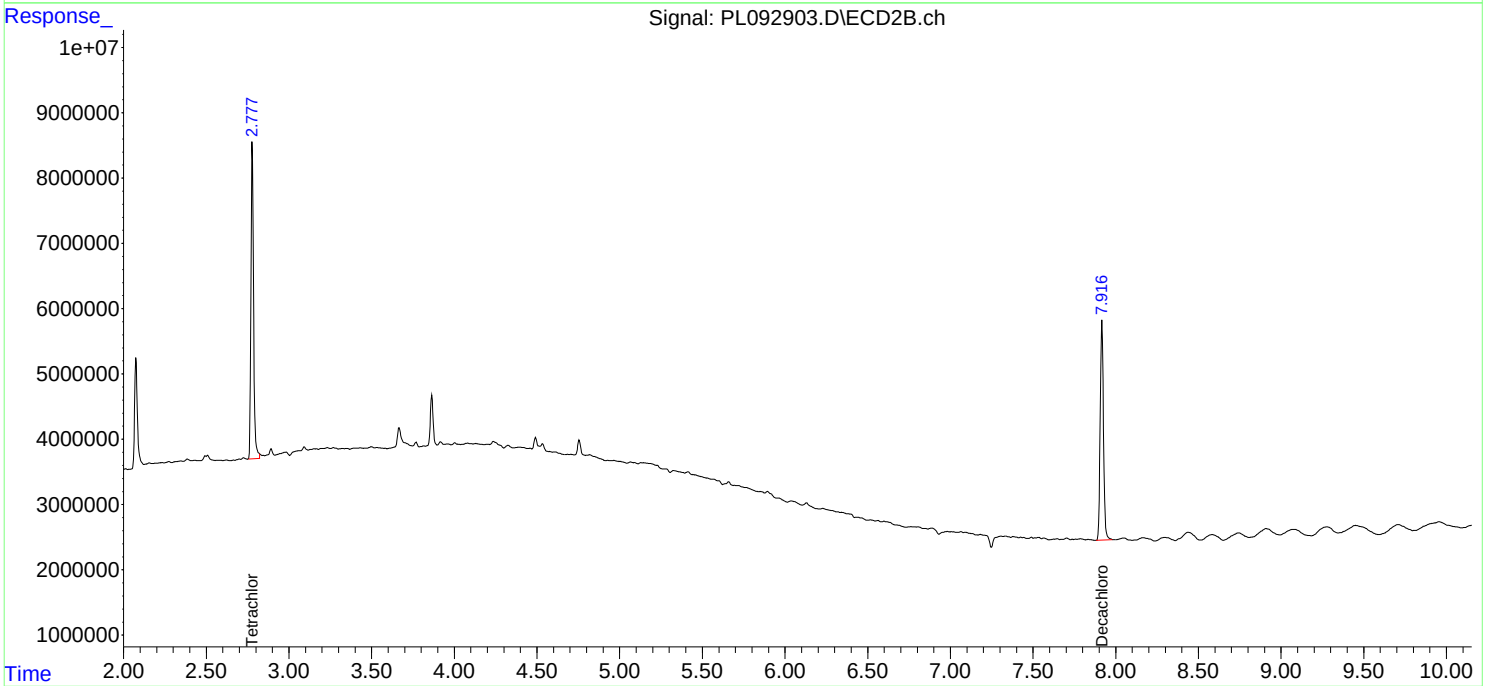
Manual Integrations APPROVED

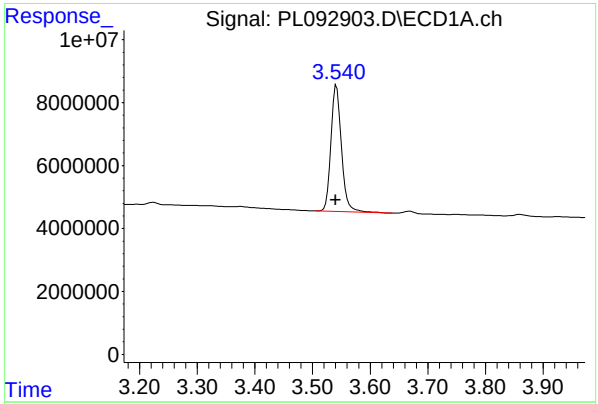
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

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







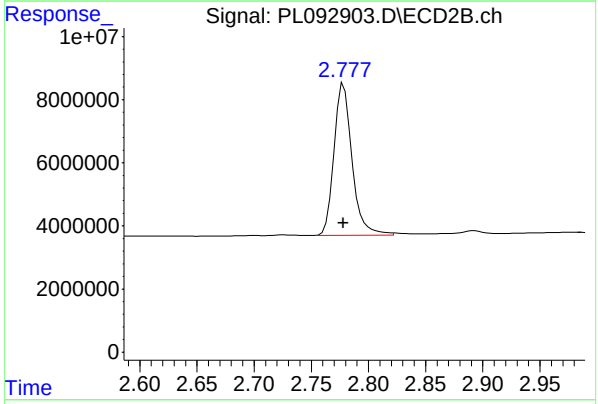
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
I.BLK

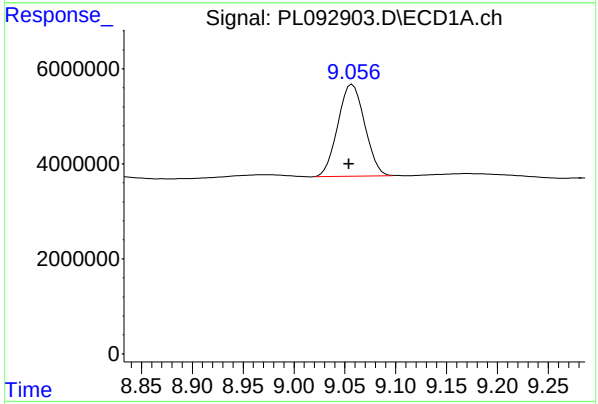
Manual Integrations
APPROVED

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



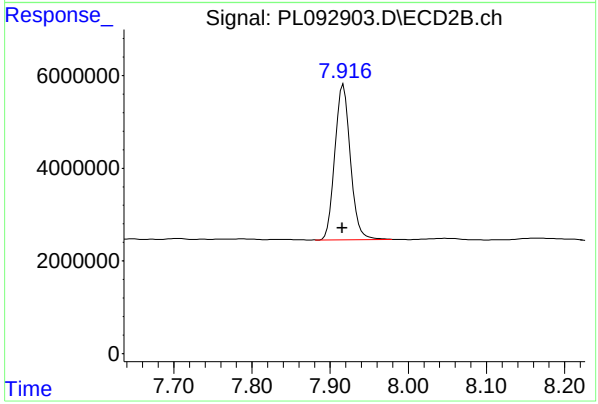
#1 Tetrachloro-m-xylene

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: **PL092911.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092911.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092911.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092911.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.1		43 - 140	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		77 - 126	100%	SPK: 20

Raw Data: **PL092911.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092911.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092911.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092911.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092911.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092911.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 17:27
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 01:31:07 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	49110883	53151257	20.043	19.533
28)	SA Decachlor...	9.058	7.917	36792986	47077151	19.118	17.249
	Target Compounds						

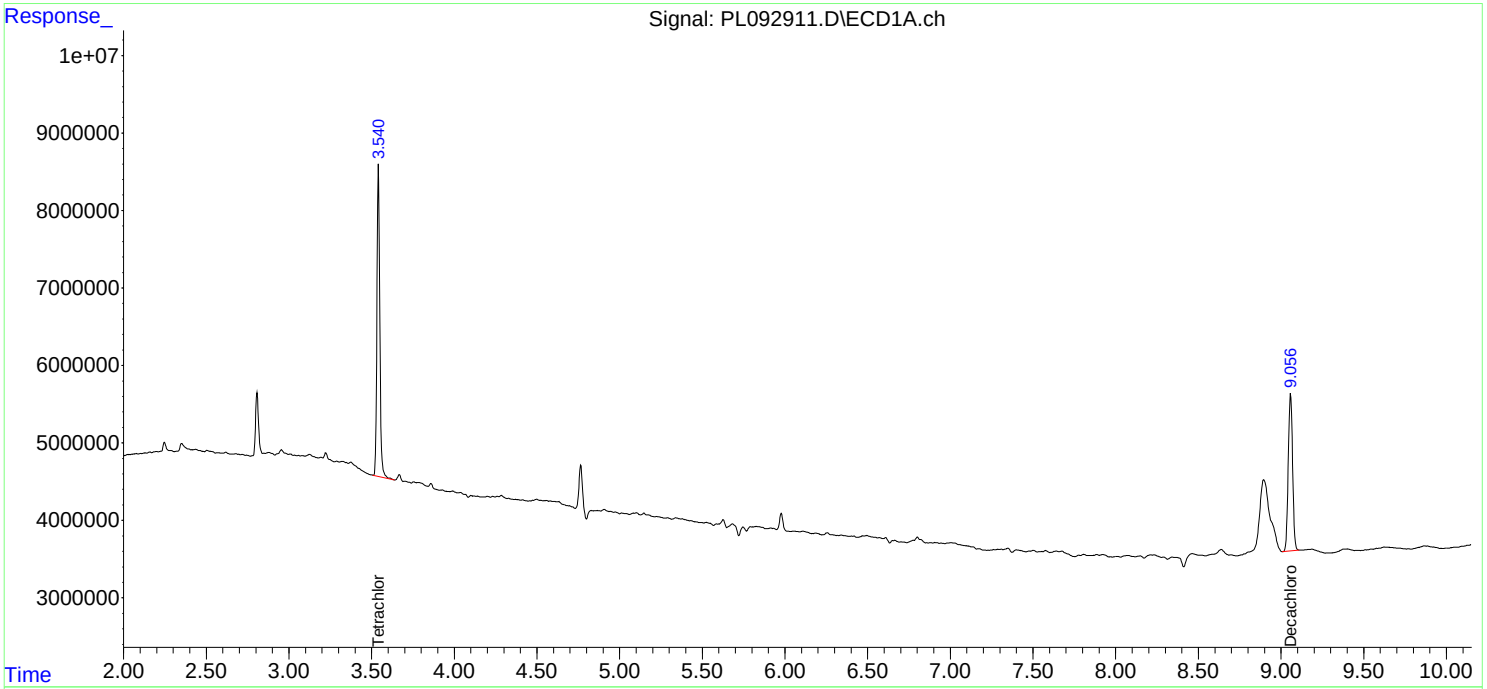
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

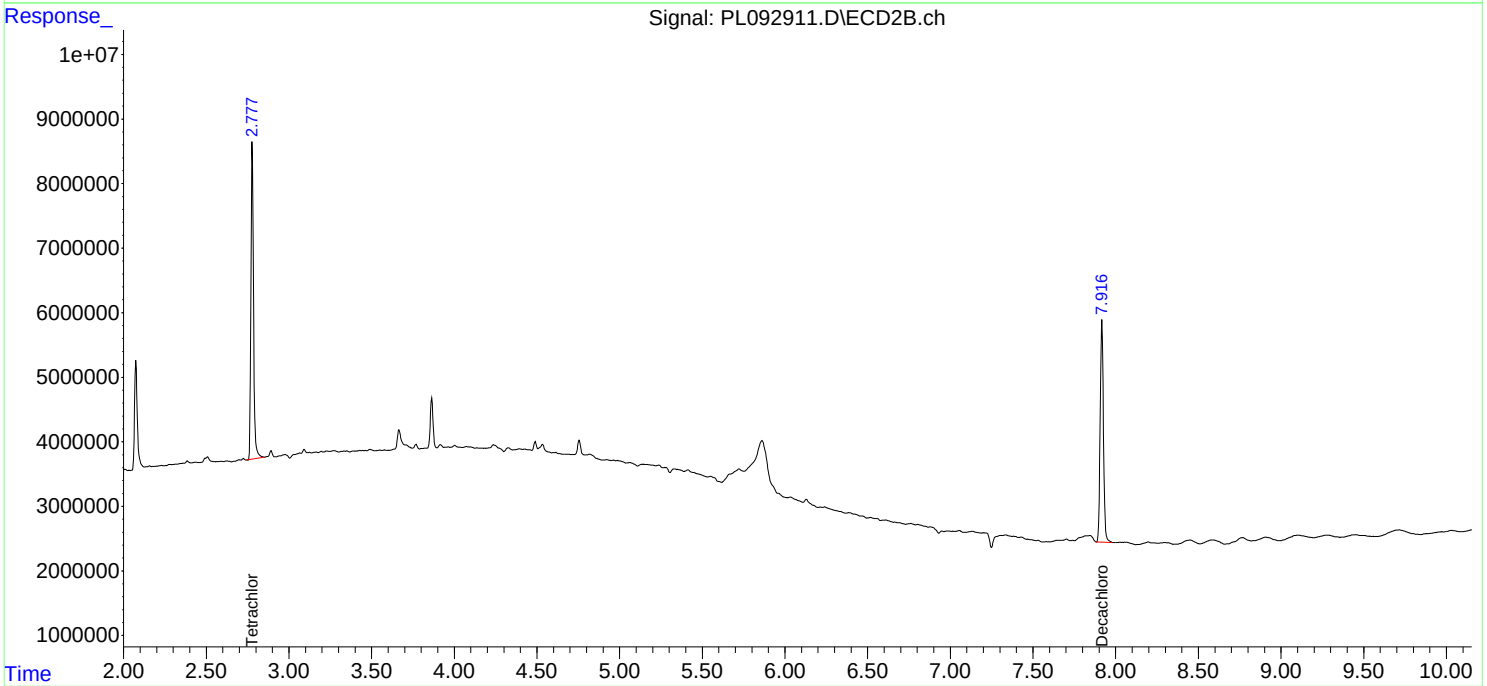
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092911.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 17:27
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

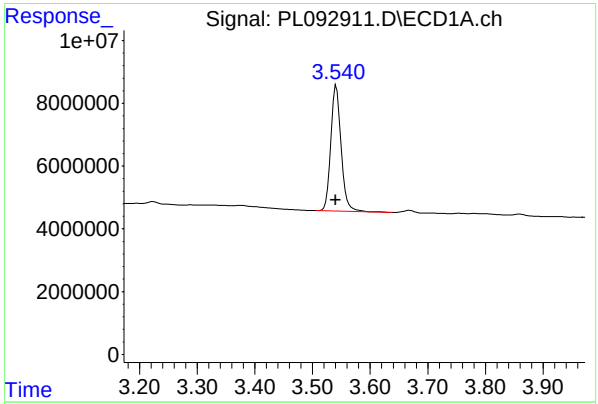
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 01:31:07 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



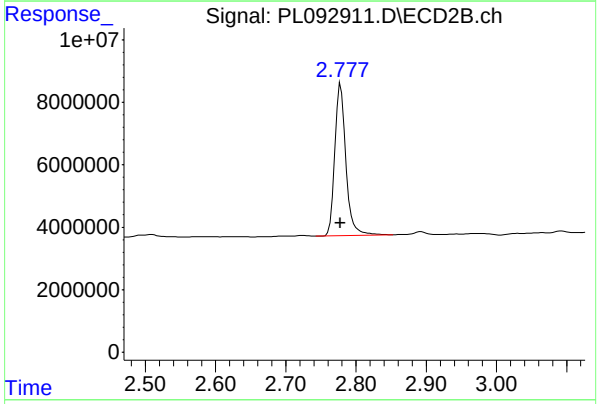




#1 Tetrachloro-m-xylene

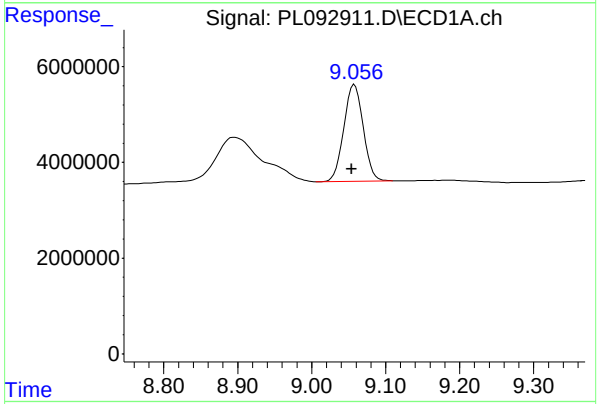
R.T.: 3.542 min
Delta R.T.: 0.002 mi
Response: 49110883
Conc: 20.04 ng/m

Instrument :
ECD_L
ClientSampleId :
I.BLK



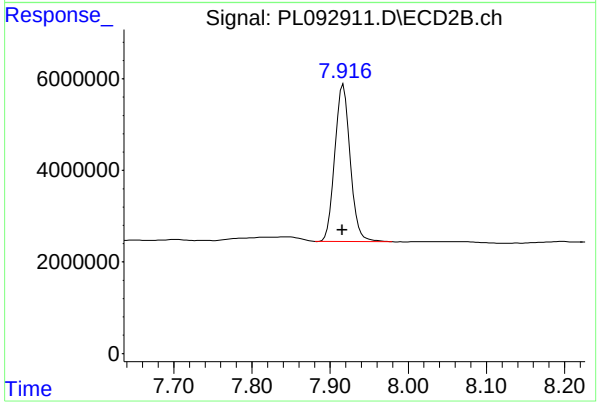
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 53151257
Conc: 19.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.004 min
Response: 36792986
Conc: 19.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.001 min
Response: 47077151
Conc: 17.25 ng/ml

Raw Data: **PL092915.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092915.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092915.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092915.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.3		43 - 140	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		77 - 126	103%	SPK: 20

Raw Data: **PL092915.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092915.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092915.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092915.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092915.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092915.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 18:37
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 01:33:58 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	50323460	54592109	20.538	20.062
28)	SA Decachlor...	9.057	7.917	39001459	50948578	20.265	18.668
	Target Compounds						

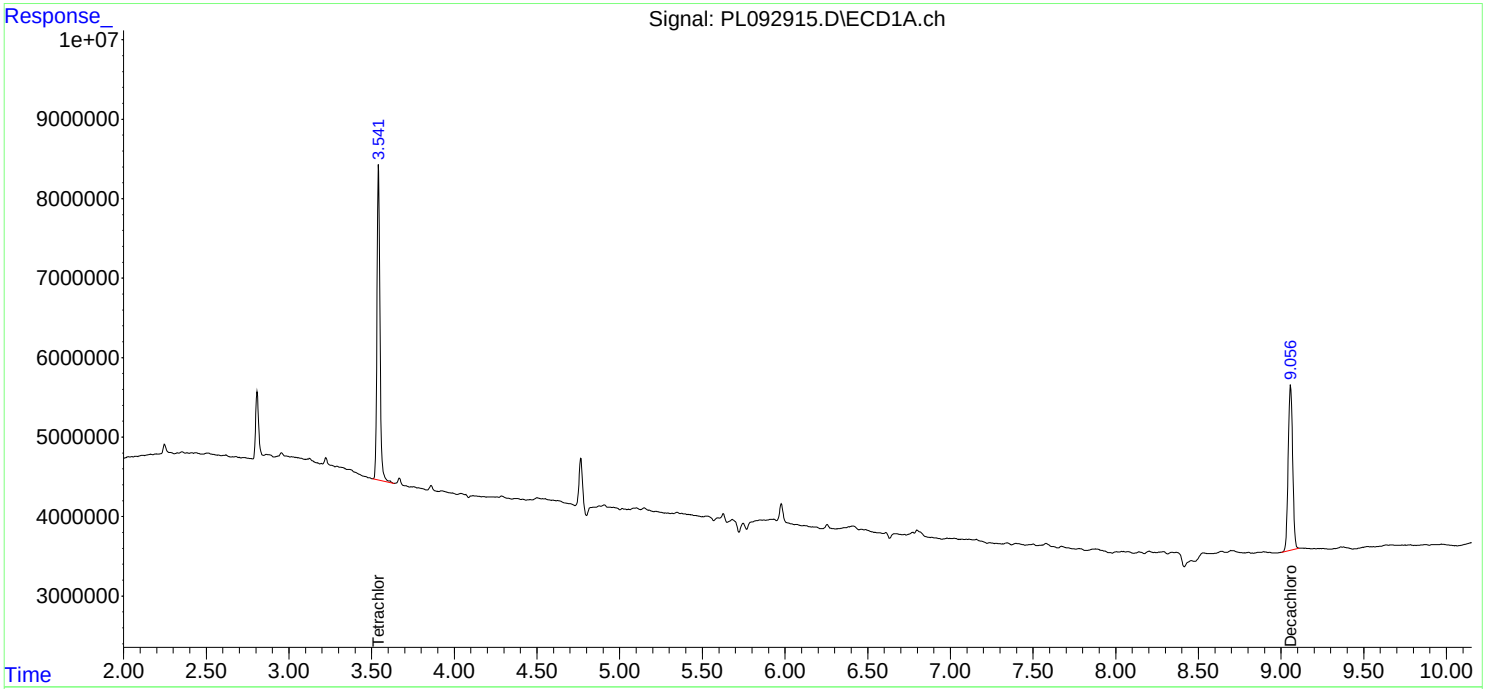
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

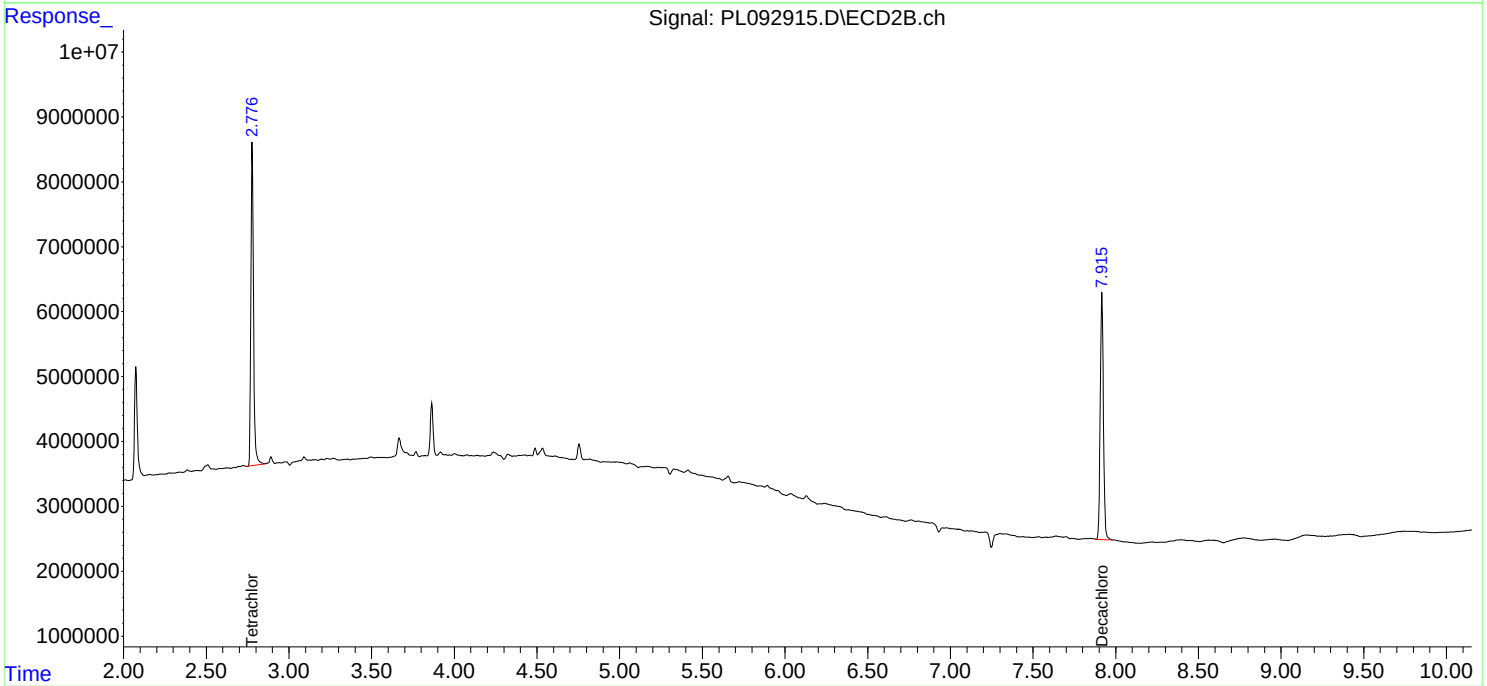
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092915.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 18:37
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

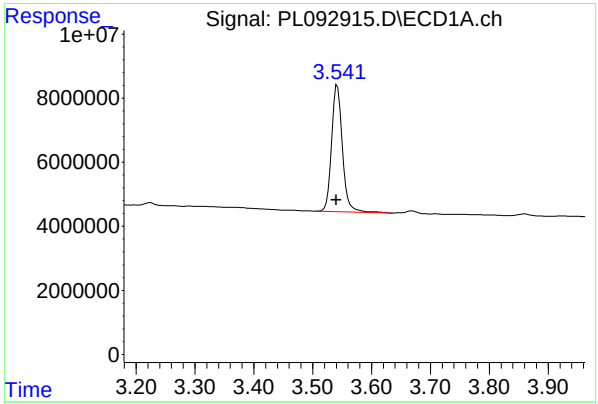
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 01:33:58 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



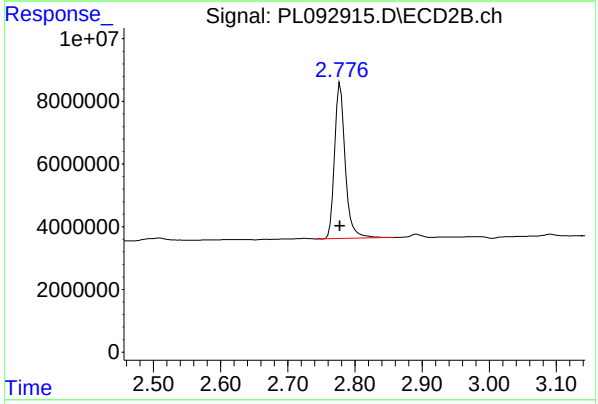




#1 Tetrachloro-m-xylene

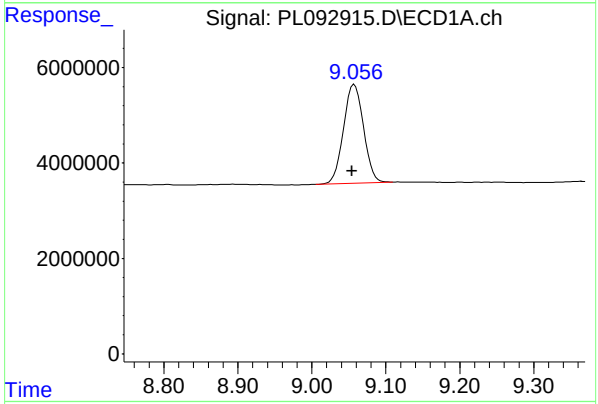
R.T.: 3.542 min
Delta R.T.: 0.002 mi
Response: 50323460
Conc: 20.54 ng/m

Instrument :
ECD_L
ClientSampleId :
I.BLK



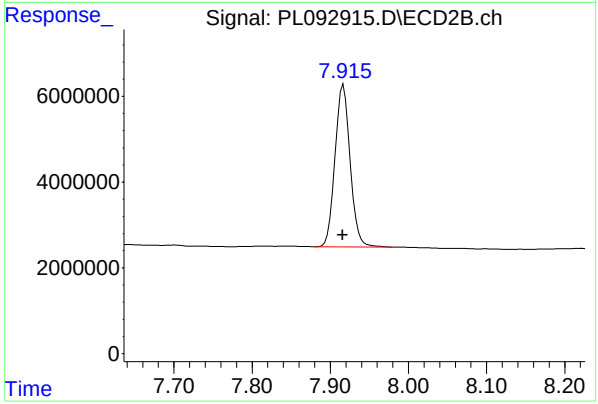
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 54592109
Conc: 20.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.003 min
Response: 39001459
Conc: 20.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.001 min
Response: 50948578
Conc: 18.67 ng/ml

Raw Data: **PL092898.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164749BS	SDG No.:	P4722
Lab Sample ID:	PB164749BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092898.D	1	11/07/24 08:40	11/07/24 14:06	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.1		0.18	1.70	ug/kg
319-85-7	beta-BHC	16.7		0.49	1.70	ug/kg
319-86-8	delta-BHC	14.3		0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.0		0.19	1.70	ug/kg
76-44-8	Heptachlor	17.0		0.17	1.70	ug/kg
309-00-2	Aldrin	16.3		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	16.7		0.23	1.70	ug/kg
959-98-8	Endosulfan I	17.1		0.17	1.70	ug/kg
60-57-1	Dieldrin	17.2		0.15	1.70	ug/kg
72-55-9	4,4-DDE	17.2		0.13	1.70	ug/kg
72-20-8	Endrin	17.8		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	17.7		0.30	1.70	ug/kg
72-54-8	4,4-DDD	17.7		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	17.1		0.13	1.70	ug/kg
50-29-3	4,4-DDT	17.7		0.17	1.70	ug/kg
72-43-5	Methoxychlor	17.1		0.38	1.70	ug/kg
53494-70-5	Endrin ketone	17.3		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.7		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.1		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	17.2		0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		10 - 148	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		10 - 159	91%	SPK: 20

Raw Data: **PL092898.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164749BS	SDG No.:	P4722
Lab Sample ID:	PB164749BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092898.D	1	11/07/24 08:40	11/07/24 14:06	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092898.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 14:06
Operator : AR\AJ
Sample : PB164749BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164749BS

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 23:49:35 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	44578407	46075760	18.194	16.932
28)	SA	Decachlor...	9.058	7.917	37068491	52134507	19.261	19.102
		Target Compounds						
2)	A	alpha-BHC	3.998	3.281	159.1E6	193.2E6	46.920	48.430
3)	MA	gamma-BHC...	4.329	3.610	151.2E6	185.8E6	46.399m	48.133
4)	MA	Heptachlor	4.920	3.950	145.1E6	193.0E6	48.302	51.139
5)	MB	Aldrin	5.261	4.230	137.7E6	178.5E6	45.872	48.772
6)	B	beta-BHC	4.528	3.911	69464592	82715732	48.057	50.245
7)	B	delta-BHC	4.776	4.140	133.8E6	165.2E6	42.760	42.991
8)	B	Heptachlo...	5.687	4.733	128.6E6	167.7E6	46.557	50.198
9)	A	Endosulfan I	6.073	5.103	119.6E6	157.0E6	47.819	51.435
10)	B	gamma-Chl...	5.943	4.983	128.3E6	173.2E6	48.229	51.517
11)	B	alpha-Chl...	6.022	5.046	127.7E6	170.8E6	48.241	51.366
12)	B	4,4'-DDE	6.195	5.236	115.8E6	166.7E6	48.886	51.745
13)	MA	Dieldrin	6.347	5.367	126.6E6	172.5E6	48.029	51.656
14)	MA	Endrin	6.576	5.642	108.9E6	154.5E6	47.814m	53.419
15)	B	Endosulfa...	6.798	5.937	113.0E6	150.4E6	47.413	53.096
16)	A	4,4'-DDD	6.713	5.790	95496882	132.0E6	49.750	53.009
17)	MA	4,4'-DDT	7.027	6.041	103.8E6	142.4E6	50.130	53.077
18)	B	Endrin al...	6.927	6.116	88645851	115.8E6	47.203	50.181
19)	B	Endosulfa...	7.162	6.339	102.6E6	138.5E6	47.263	51.365
20)	A	Methoxychlor	7.503	6.616	55732493	73429800	48.888	51.420
21)	B	Endrin ke...	7.647	6.845	114.8E6	159.2E6	47.380	51.888
22)		Mirex	8.120	7.025	82282745	114.2E6	41.521	43.757

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

Sample Results: **PL092898.D**

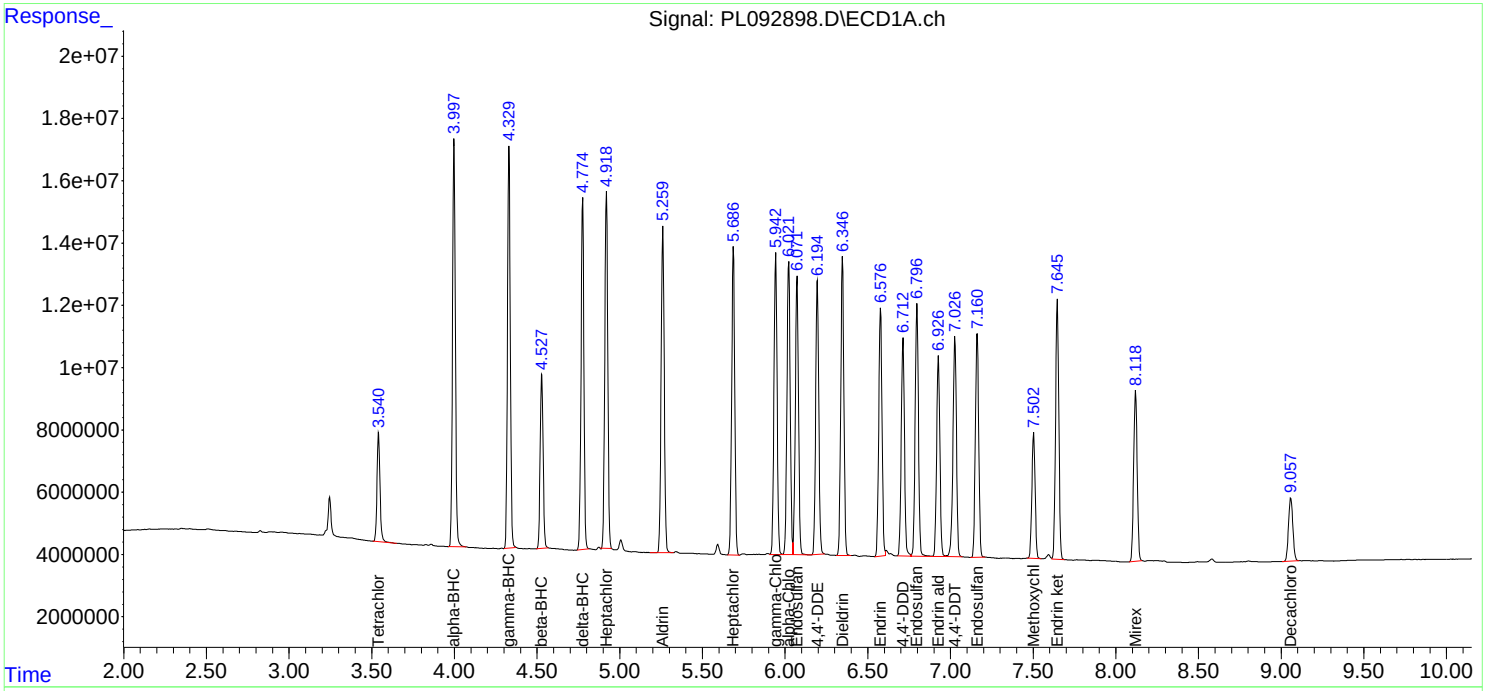
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092898.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 14:06
Operator : AR\AJ
Sample : PB164749BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

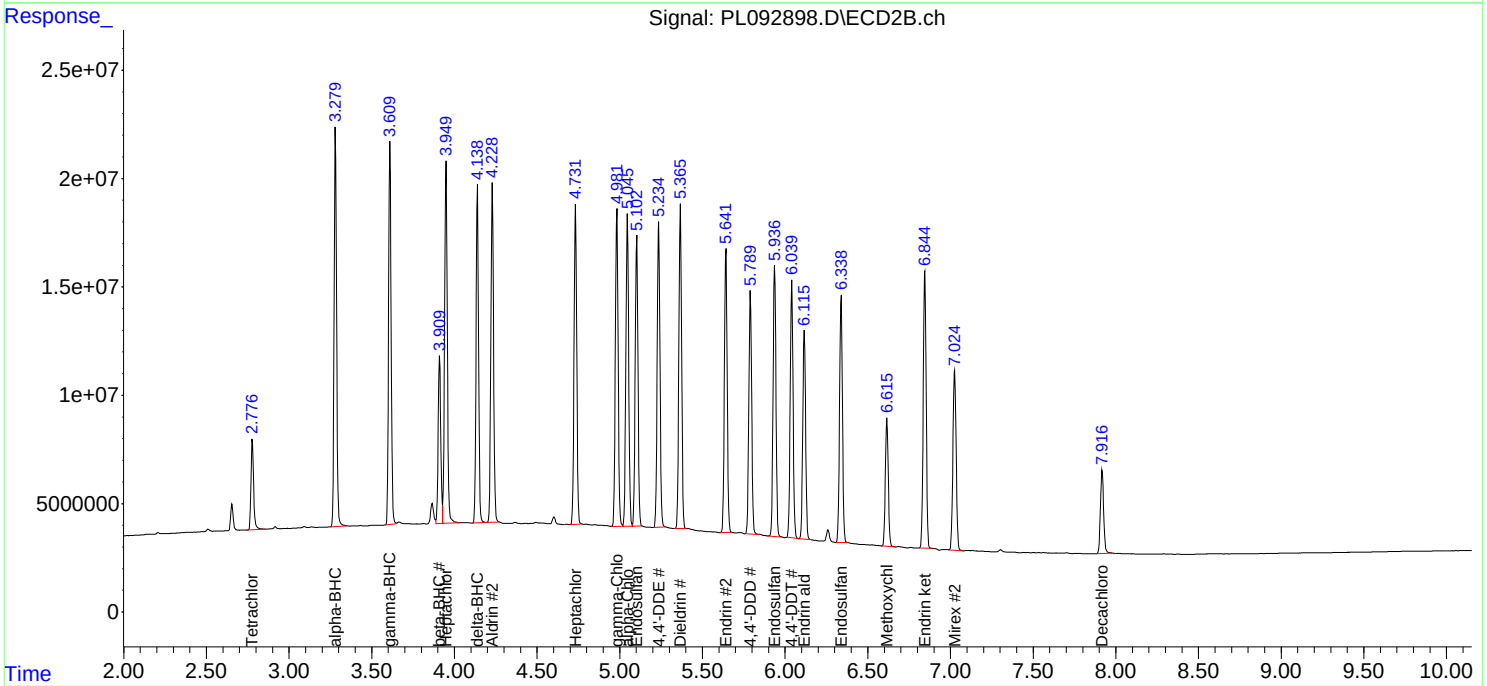
Instrument :
ECD_L
ClientSampleId :
PB164749BS

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 23:49:35 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: **PL092900.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	JC-701-COMP-01MS	SDG No.:	P4722
Lab Sample ID:	P4720-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.6 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092900.D	1	11/07/24 08:40	11/07/24 14:34	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.4		0.20	1.90	ug/kg
319-85-7	beta-BHC	19.0		0.54	1.90	ug/kg
319-86-8	delta-BHC	4.60		0.52	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	16.7		0.21	1.90	ug/kg
76-44-8	Heptachlor	19.3		0.19	1.90	ug/kg
309-00-2	Aldrin	18.3		0.15	1.90	ug/kg
1024-57-3	Heptachlor epoxide	18.6		0.25	1.90	ug/kg
959-98-8	Endosulfan I	17.9		0.19	1.90	ug/kg
60-57-1	Dieldrin	20.8		0.17	1.90	ug/kg
72-55-9	4,4-DDE	25.7		0.14	1.90	ug/kg
72-20-8	Endrin	21.7		0.18	1.90	ug/kg
33213-65-9	Endosulfan II	20.0		0.33	1.90	ug/kg
72-54-8	4,4-DDD	20.3		0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	15.7		0.14	1.90	ug/kg
50-29-3	4,4-DDT	31.9		0.19	1.90	ug/kg
72-43-5	Methoxychlor	18.1		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	18.0		0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	18.5		0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	19.2		0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	20.2		0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	36.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.3		10 - 148	72%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.1		10 - 159	75%	SPK: 20

Raw Data: **PL092900.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	JC-701-COMP-01MS	SDG No.:	P4722
Lab Sample ID:	P4720-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.6 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092900.D	1	11/07/24 08:40	11/07/24 14:34	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092900.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092900.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 14:34
Operator : AR\AJ
Sample : P4720-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
JC-701-COMP-01MS

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 23:51:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.538	2.778	36958014	29244062	15.083m	10.747 #
28)	SA	Decachlor...	9.058	7.917	25898323	39079339	13.457	14.319
		Target Compounds						
2)	A	alpha-BHC	3.998	3.281	150.3E6	177.9E6	44.303	44.578
3)	MA	gamma-BHC...	4.330	3.611	143.9E6	175.9E6	44.151	45.587
4)	MA	Heptachlor	4.919	3.950	149.1E6	197.9E6	49.650	52.449
5)	MB	Aldrin	5.259	4.230	142.5E6	182.6E6	47.471m	49.892
6)	B	beta-BHC	4.528	3.910	69842911	85385625	48.319	51.867
7)	B	delta-BHC	4.774	4.139	39092663	39754295	12.490	10.344
8)	B	Heptachlo...	5.686	4.733	134.3E6	169.0E6	48.629	50.578
9)	A	Endosulfan I	6.072	5.103	122.3E6	134.7E6	48.890	44.111
10)	B	gamma-Chl...	5.943	4.983	138.4E6	185.2E6	52.014	55.097
11)	B	alpha-Chl...	6.021	5.046	131.6E6	174.1E6	49.680	52.336
12)	B	4,4'-DDE	6.195	5.234	145.7E6	225.3E6	61.494	69.936m
13)	MA	Dieldrin	6.347	5.367	127.8E6	189.2E6	48.500	56.641
14)	MA	Endrin	6.575	5.643	114.5E6	170.6E6	50.275m	58.985
15)	B	Endosulfa...	6.795	5.935	112.5E6	154.2E6	47.205m	54.416m
16)	A	4,4'-DDD	6.713	5.789	106.1E6	125.7E6	55.262	50.469m
17)	MA	4,4'-DDT	7.026	6.040	161.5E6	232.9E6	78.013	86.825
18)	B	Endrin al...	6.927	6.116	86885864	116.5E6	46.266	50.472
19)	B	Endosulfa...	7.161	6.338	84124395	115.6E6	38.761	42.867m
20)	A	Methoxychlor	7.502	6.614	53491962	70269235	46.923	49.207m
21)	B	Endrin ke...	7.645	6.845	118.9E6	149.4E6	49.065m	48.675
22)		Mirex	8.120	7.026	88219642	118.5E6	44.517	45.410

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092900.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 14:34
Operator : AR\AJ
Sample : P4720-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

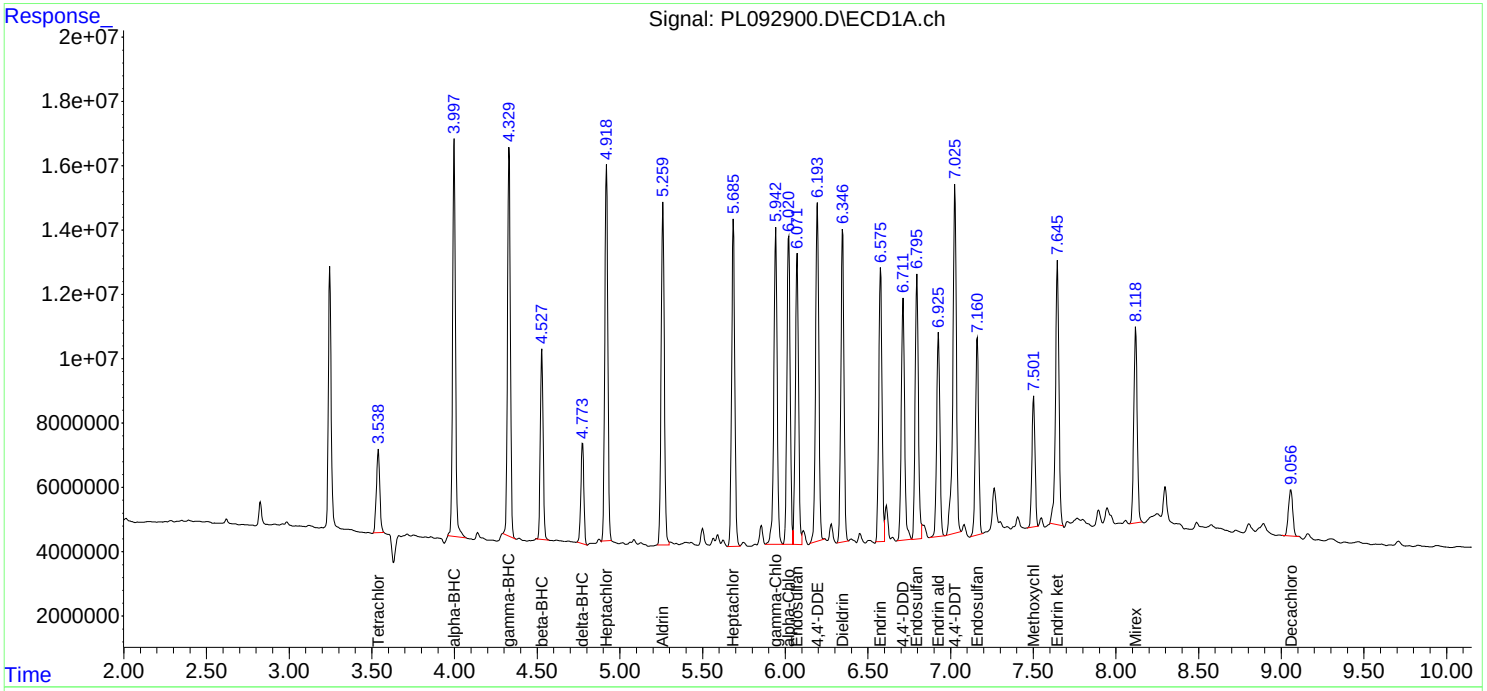
Instrument :
ECD_L
ClientSampleId :
JC-701-COMP-01MS

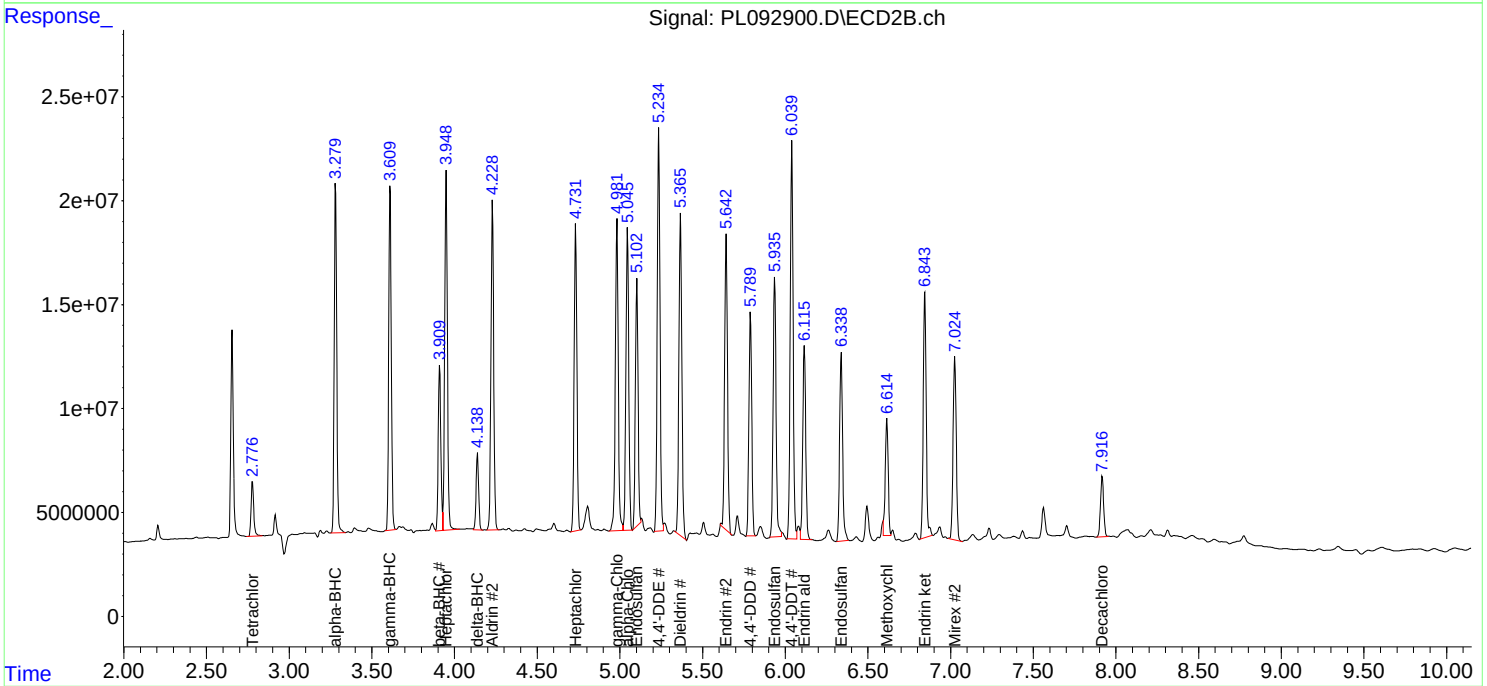
Manual Integrations APPROVED

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 23:51:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	JC-701-COMP-01MSD	SDG No.:	P4722
Lab Sample ID:	P4720-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.6 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092901.D	1	11/07/24 08:40	11/07/24 14:47	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.7		0.20	1.90	ug/kg
319-85-7	beta-BHC	19.6		0.54	1.90	ug/kg
319-86-8	delta-BHC	4.60		0.52	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	17.1		0.21	1.90	ug/kg
76-44-8	Heptachlor	19.7		0.19	1.90	ug/kg
309-00-2	Aldrin	18.8		0.15	1.90	ug/kg
1024-57-3	Heptachlor epoxide	19.0		0.25	1.90	ug/kg
959-98-8	Endosulfan I	18.1		0.19	1.90	ug/kg
60-57-1	Dieldrin	21.4		0.17	1.90	ug/kg
72-55-9	4,4-DDE	26.2		0.14	1.90	ug/kg
72-20-8	Endrin	22.0		0.18	1.90	ug/kg
33213-65-9	Endosulfan II	20.5		0.33	1.90	ug/kg
72-54-8	4,4-DDD	20.5		0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	16.1		0.14	1.90	ug/kg
50-29-3	4,4-DDT	32.5		0.19	1.90	ug/kg
72-43-5	Methoxychlor	19.4		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	18.5		0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	18.8		0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	19.7		0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	20.8		0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	36.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.4		10 - 148	72%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.2		10 - 159	76%	SPK: 20

Raw Data: **PL092901.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	JC-701-COMP-01MSD	SDG No.:	P4722
Lab Sample ID:	P4720-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.6 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092901.D	1	11/07/24 08:40	11/07/24 14:47	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL092901.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092901.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 14:47
Operator : AR\AJ
Sample : P4720-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
JC-701-COMP-01MSD

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 23:52:34 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...	3.538	2.778	37251093	29809664	15.203m	10.955 #
28)	SA	Decachlor...	9.056	7.917	25807396	39408426	13.410m	14.439
		Target Compounds						
2)	A	alpha-BHC	3.997	3.281	152.2E6	181.7E6	44.881	45.532
3)	MA	gamma-BHC...	4.330	3.611	144.8E6	179.7E6	44.422	46.561
4)	MA	Heptachlor	4.918	3.950	149.6E6	201.9E6	49.823	53.504
5)	MB	Aldrin	5.259	4.229	143.7E6	187.5E6	47.891m	51.239
6)	B	beta-BHC	4.528	3.910	70422165	87591162	48.720	53.207
7)	B	delta-BHC	4.774	4.139	39404910	40828322	12.590	10.624
8)	B	Heptachlo...	5.686	4.733	135.1E6	172.9E6	48.911	51.745
9)	A	Endosulfan I	6.072	5.103	123.0E6	135.8E6	49.162	44.473
10)	B	gamma-Chl...	5.943	4.982	139.3E6	190.0E6	52.353	56.527
11)	B	alpha-Chl...	6.021	5.046	132.2E6	178.3E6	49.919	53.614
12)	B	4,4'-DDE	6.194	5.235	146.8E6	229.6E6	61.959	71.280
13)	MA	Dieldrin	6.347	5.367	128.9E6	194.5E6	48.911	58.216
14)	MA	Endrin	6.575	5.643	113.6E6	172.9E6	49.911m	59.766
15)	B	Endosulfa...	6.795	5.936	113.7E6	158.4E6	47.695m	55.897m
16)	A	4,4'-DDD	6.712	5.789	106.8E6	129.9E6	55.657	52.176m
17)	MA	4,4'-DDT	7.026	6.040	162.5E6	237.3E6	78.496	88.476
18)	B	Endrin al...	6.926	6.116	87047592	118.0E6	46.352	51.146
19)	B	Endosulfa...	7.160	6.339	84167539	117.9E6	38.781	43.731
20)	A	Methoxychlor	7.502	6.614	53437042	75364488	46.875	52.775m
21)	B	Endrin ke...	7.644	6.844	121.8E6	149.9E6	50.261m	48.853
22)		Mirex	8.119	7.025	88599358	121.0E6	44.709	46.383

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110724\
Data File : PL092901.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 14:47
Operator : AR\AJ
Sample : P4720-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

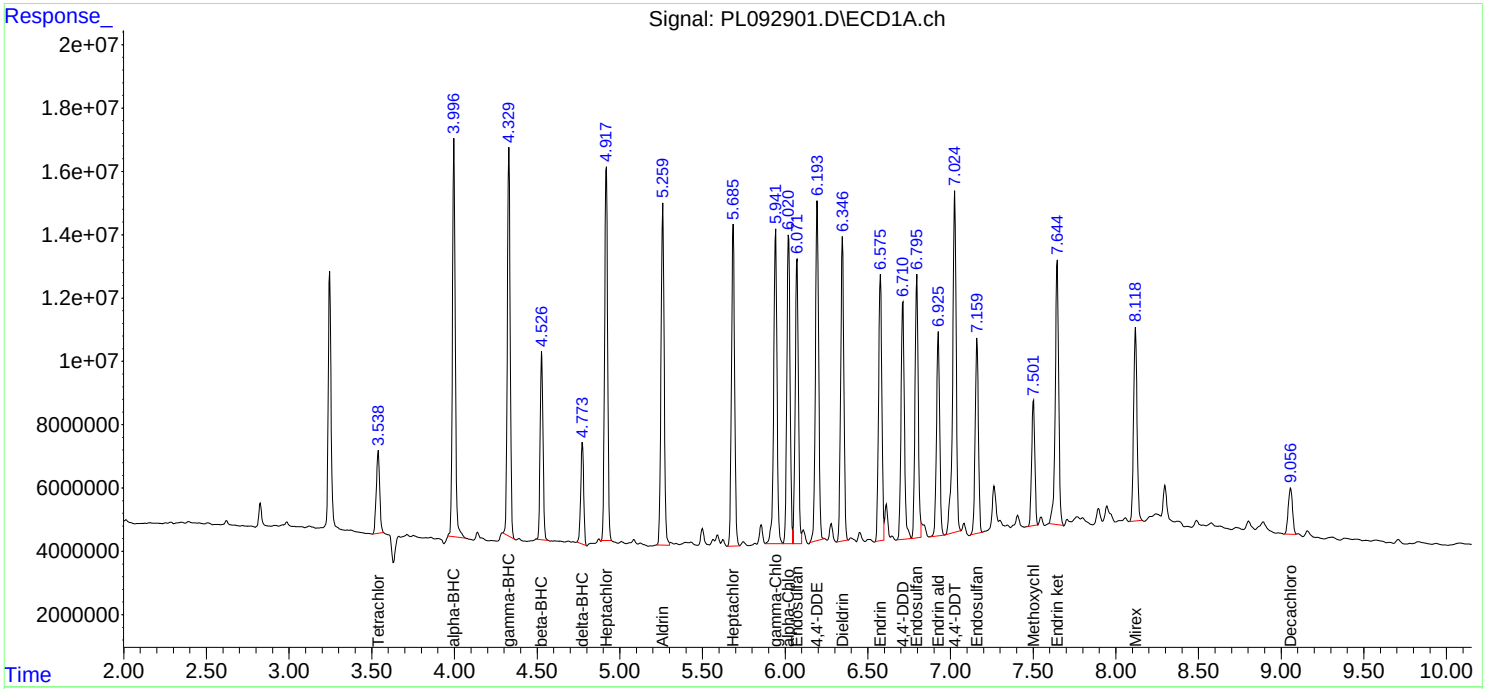
Instrument :
ECD_L
ClientSampleId :
JC-701-COMP-01MSD

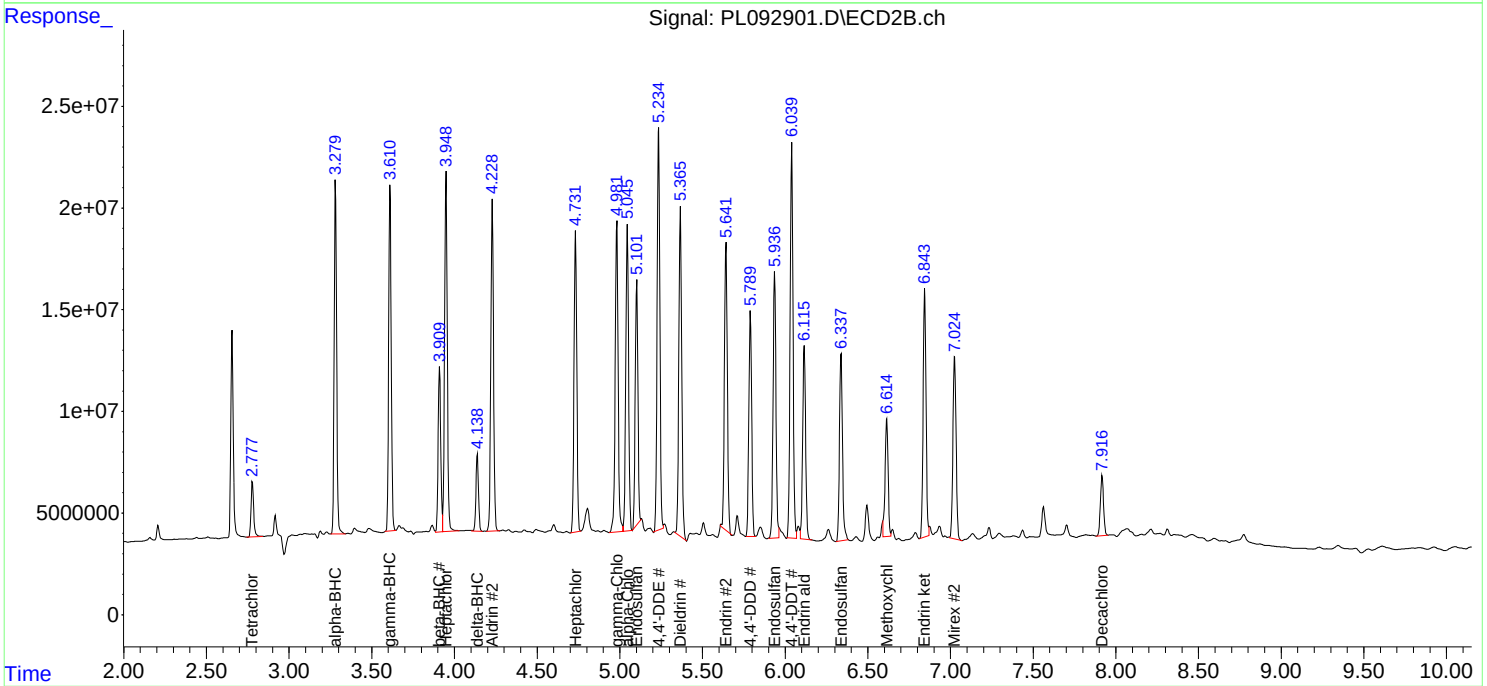
Manual Integrations APPROVED

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 23:52:34 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

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

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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

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Manual Integration Report

Sequence:	PL110724	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

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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

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL110724

Review By		Review On			
Supervise By		Supervise On			
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,NR
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,NR
7	P4660-11	PL092891.D	07 Nov 2024 12:03	AR\AJ	Ok,NR
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,NR
15	P4720-01	PL092899.D	07 Nov 2024 14:20	AR\AJ	Ok,NR
16	P4720-01MS	PL092900.D	07 Nov 2024 14:34	AR\AJ	Ok,NR
17	P4720-01MSD	PL092901.D	07 Nov 2024 14:47	AR\AJ	Ok,NR
18	P4734-01	PL092902.D	07 Nov 2024 15:01	AR\AJ	Ok,NR
19	I.BLK	PL092903.D	07 Nov 2024 15:15	AR\AJ	Ok,NR
20	PSTDCCC050	PL092904.D	07 Nov 2024 15:29	AR\AJ	Ok,NR
21	P4722-08	PL092905.D	07 Nov 2024 16:04	AR\AJ	Ok,NR

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Fax : 908 789 8922

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL110724

Review By		Review On			
Supervise By		Supervise On			
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,NR
23	P3739-01	PL092907.D	07 Nov 2024 16:32	AR\AJ	Ok,NR
24	P4739-05	PL092908.D	07 Nov 2024 16:46	AR\AJ	Ok,NR
25	P4739-09	PL092909.D	07 Nov 2024 16:59	AR\AJ	Ok,NR
26	P4739-13	PL092910.D	07 Nov 2024 17:13	AR\AJ	Ok,NR
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,NR
29	P4722-03	PL092913.D	07 Nov 2024 17:55	AR\AJ	Ok,NR
30	P4722-13	PL092914.D	07 Nov 2024 18:09	AR\AJ	Ok,NR
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,NR

M : Manual Integration

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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

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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

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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		Review On			
Supervise By		Supervise On			
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,NR
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,NR
7	P4660-11	WC-CONCRETE-01-C	PL092891.D	07 Nov 2024 12:03		AR\AJ	Ok,NR
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,NR
15	P4720-01	JC-701-COMP-01	PL092899.D	07 Nov 2024 14:20		AR\AJ	Ok,NR
16	P4720-01MS	JC-701-COMP-01MS	PL092900.D	07 Nov 2024 14:34	Some compound recovery fail	AR\AJ	Ok,NR
17	P4720-01MSD	JC-701-COMP-01MSD	PL092901.D	07 Nov 2024 14:47	Some compound recovery fail	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 # PL110724

Review By		Review On			
Supervise By		Supervise On			
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,NR
19	I.BLK	I.BLK	PL092903.D	07 Nov 2024 15:15		AR\AJ	Ok,NR
20	PSTDCCC050	PSTDCCC050	PL092904.D	07 Nov 2024 15:29		AR\AJ	Ok,NR
21	P4722-08	WC-2(0-6)	PL092905.D	07 Nov 2024 16:04		AR\AJ	Ok,NR
22	P4737-01	TP2	PL092906.D	07 Nov 2024 16:18		AR\AJ	Ok,NR
23	P3739-01	WC-4	PL092907.D	07 Nov 2024 16:32		AR\AJ	Ok,NR
24	P4739-05	BP-G2	PL092908.D	07 Nov 2024 16:46		AR\AJ	Ok,NR
25	P4739-09	BP-B2	PL092909.D	07 Nov 2024 16:59		AR\AJ	Ok,NR
26	P4739-13	TP-11	PL092910.D	07 Nov 2024 17:13		AR\AJ	Ok,NR
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,NR
29	P4722-03	WC-1(0-6)	PL092913.D	07 Nov 2024 17:55		AR\AJ	Ok,NR
30	P4722-13	WC-3(0-6)	PL092914.D	07 Nov 2024 18:09		AR\AJ	Ok,NR
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,NR

M : Manual Integration

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 11/7/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 11/06/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133313

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4659-01	MH-2	39	1.13	8.64	9.77	8.64	86.9	
P4662-06	102524-D	29	1.00	1.00	2.00	2.00	100.0	oil sample
P4720-01	JC-701-COMP-01	1	1.16	8.49	9.65	8.85	90.6	
P4720-02	JC-701-VOC-01	2	1.16	8.49	9.65	8.85	90.6	
P4720-03	JC-701-01	3	1.15	8.58	9.73	8.99	91.4	
P4720-04	JC-701-02	4	1.13	8.65	9.78	8.73	87.9	
P4721-01	EX-2-TPH-1	5	1.15	8.82	9.97	8.8	86.7	
P4721-02	EX-2-TPH-2	6	1.18	8.47	9.65	8.21	83.0	
P4721-03	EX-2-TPH-3	7	1.16	8.82	9.98	8.95	88.3	
P4721-04	EX-11-TPH-1	8	1.15	8.53	9.68	7.95	79.7	
P4721-05	EX-11-TPH-2	9	1.12	8.56	9.68	8.95	91.5	
P4721-06	EX-11-TPH-3	10	1.15	8.80	9.95	8.14	79.4	
P4721-07	EX-11-TPH-4	11	1.14	8.83	9.97	8.7	85.6	
P4721-08	EX-9-TPH-1	12	1.16	8.53	9.69	8.3	83.7	
P4721-09	EX-9-TPH-2	13	1.12	8.47	9.59	8.36	85.5	
P4721-10	EX-9-TPH-3	14	1.15	8.42	9.57	8.32	85.2	
P4721-11	EX-9-TPH-4	15	1.12	8.81	9.93	9.00	89.4	
P4721-12	EX-9-TPH-5	16	1.17	8.81	9.98	8.83	86.9	
P4721-13	EX-9-TPH-6	17	1.19	8.79	9.98	8.54	83.6	
P4721-14	EX-9-TPH-7	18	1.19	8.42	9.61	8.5	86.8	
P4721-15	EX-9-TPH-8	19	1.15	8.83	9.98	8.85	87.2	
P4722-01	WC-1(5.5)	20	1.18	8.44	9.62	8.64	88.4	
P4722-03	WC-1(0-6)	21	1.15	8.81	9.96	9.41	93.8	
P4722-06	WC-2(2)	22	1.14	8.61	9.75	8.87	89.8	
P4722-08	WC-2(0-6)	23	1.13	8.79	9.92	9.05	90.1	
P4722-11	WC-3(5)	24	1.14	8.40	9.54	7.17	71.8	
P4722-13	WC-3(0-6)	25	1.17	8.61	9.78	8.63	86.6	
P4722-17	WC-1(3.5)	26	1.19	8.47	9.66	7.95	79.8	

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 11/7/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 11/06/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133313

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4722-19	WC-2(4)	27	1.18	8.78	9.96	9.03	89.4	
P4722-21	WC-3(3)	28	1.17	8.69	9.86	8.79	87.7	
P4731-01	NASSAU-ST-CO	30	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4731-02	S.JEFFERSON-CO-1	31	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4731-03	S.JEFFERSON-CO-2	32	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4732-01	PPE-COMP	33	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4732-02	PPE-COMP	34	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4732-04	PPE-Grab	35	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4732-05	PPE-Grab	36	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4734-01	EO-03-11062024	37	1.16	8.48	9.64	9.11	93.7	
P4734-02	EO-03-11062024-E2	38	1.19	8.67	9.86	9.26	93.1	
P4737-01	TP2	40	1.15	8.35	9.5	8.78	91.4	
P4737-02	TP2-E2	41	1.16	8.67	9.83	8.94	89.7	
P4738-01	72-12018	42	1.14	8.70	9.84	2.66	17.5	GEL MARTIX
P4739-01	TP-14	43	1.14	8.71	9.85	8.87	88.7	
P4739-02	TP-14-EPH	44	1.18	8.52	9.7	8.71	88.4	
P4739-03	TP-14-VOC	45	1.13	8.73	9.86	8.75	87.3	
P4739-05	BP-G2	46	1.16	8.71	9.87	8.74	87.0	
P4739-06	BP-G2-EPH	47	1.13	8.52	9.65	8.5	86.5	
P4739-07	BP-G2-VOC	48	1.13	8.85	9.98	8.93	88.1	
P4739-09	BP-B2	49	1.15	8.62	9.77	8.68	87.4	
P4739-10	BP-B2-EPH	50	1.15	8.38	9.53	8.4	86.5	
P4739-11	BP-B2-VOC	51	1.15	8.73	9.88	8.66	86.0	
P4739-13	TP-11	52	1.16	8.37	9.53	8.85	91.9	
P4739-14	TP-11-EPH	53	1.16	8.75	9.91	9.17	91.5	
P4739-15	TP-11-VOC	54	1.12	8.74	9.86	9.11	91.4	

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

WORKLIST(Hardcopy Internal Chain)

VB 133313

WorkList Name : %1-110624 **WorkList ID :** 185146 **Department :** Wet-Chemistry **Date :** 11-06-2024 07:38:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4659-01	MH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4662-06	102524-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4720-01	JC-701-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4720-02	JC-701-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4720-03	JC-701-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4720-04	JC-701-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4721-01	EX-2-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-02	EX-2-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-03	EX-2-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-04	EX-11-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-05	EX-11-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-06	EX-11-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-07	EX-11-TPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-08	EX-9-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-09	EX-9-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-10	EX-9-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-11	EX-9-TPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-12	EX-9-TPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-13	EX-9-TPH-6	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-14	EX-9-TPH-7	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-15	EX-9-TPH-8	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO

Date/Time 11/06/24 15:40

Raw Sample Received by: BP WC

Raw Sample Relinquished by: SM

Date/Time 11/06/24 17:25

Raw Sample Received by: SM

Raw Sample Relinquished by: BP WC

WORKLIST(Hardcopy Internal Chain)

VB 133313

WorkList Name : %1-110624 **WorkList ID :** 185146 **Department :** Wet-Chemistry **Date :** 11-06-2024 07:38:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4722-01	WC-1(5.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-03	WC-1(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-06	WC-2(2)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-08	WC-2(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-11	WC-3(5)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-13	WC-3(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-17	WC-1(3.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-19	WC-2(4)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-21	WC-3(3)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4731-01	NASSAU-ST-CO	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4731-02	S.JEFFERSON-CO-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	10/23/2024	Chemtech -SO
P4731-03	S.JEFFERSON-CO-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	10/23/2024	Chemtech -SO
P4732-01	PPE-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	10/23/2024	Chemtech -SO
P4732-02	PPE-COMP	Solid	Percent Solids	Cool 4 deg C	FURI01	L11	11/06/2024	Chemtech -SO
P4732-04	PPE-Grab	Solid	Percent Solids	Cool 4 deg C	FURI01	L11	11/06/2024	Chemtech -SO
P4732-05	PPE-Grab	Solid	Percent Solids	Cool 4 deg C	FURI01	L11	11/06/2024	Chemtech -SO
P4734-01	EO-03-11062024	Solid	Percent Solids	Cool 4 deg C	FURI01	L11	11/06/2024	Chemtech -SO
P4734-02	EO-03-11062024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L23	11/06/2024	Chemtech -SO
P4737-01	TP2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L23	11/06/2024	Chemtech -SO
P4737-02	TP2-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/05/2024	Chemtech -SO
P4738-01	72-12018	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/05/2024	Chemtech -SO
					PSEG03	L23	11/06/2024	Chemtech -SO

Date/Time 11/06/24 1540

Raw Sample Received by: JG (WC)

Raw Sample Relinquished by: SM

Date/Time 11/06/24 1745

Raw Sample Received by: SM

Raw Sample Relinquished by: JG (WC)

WORKLIST(Hardcopy Internal Chain)

VB 133313

WorkList Name : %1-110624 **WorkList ID :** 185146 **Department :** Wet-Chemistry **Date :** 11-06-2024 07:38:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4739-01	TP-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-02	TP-14-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-03	TP-14-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-05	BP-G2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-06	BP-G2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-07	BP-G2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-09	BP-B2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-10	BP-B2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-11	BP-B2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-13	TP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-14	TP-11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-15	TP-11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO

Date/Time 11/06/24 1540
Raw Sample Received by: TB WO C
Raw Sample Relinquished by: SM

Date/Time 11/06/24 1725
Raw Sample Received by: SM
Raw Sample Relinquished by: TB WO C

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164749

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil

Matrix : Solid

Weigh By: RJ

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 11/07/2024

Extraction Start Time : 08:40

Extraction End Date : 11/07/2024

Extraction End Time : 11:40

Concentration By: RS

Supervisor By : rajesh

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

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

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2539
Baked Na2SO4	N/A	EP2556
Sand	N/A	E2865
Hexane	N/A	E3825
Florisil	N/A	E3806
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/7/24	RP (Ext Lab)	AJ (TEST PCB Lab
11:45	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164749

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/07/2024

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164749BL	PBLK749	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U7-1
PB164749BS	PLCS749	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			2
P4720-01	JC-701-COMP-01	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	B		3
P4720-01MS	JC-701-COMP-01MS	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	B		4
P4720-01MSD	JC-701-COMP-01MSD	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	B		5
P4722-03	WC-1(0-6)	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	D		6
P4722-08	WC-2(0-6)	Pesticide-TCL	30.10	N/A	ritesh	Evelyn	10	E		U1-1
P4722-13	WC-3(0-6)	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	D		2
P4734-01	EO-03-11062024	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	D		3
P4737-01	TP2	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		4
P4739-01	TP-14	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	D		5
P4739-05	BP-G2	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	D		6
P4739-09	BP-B2	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		U5-1
P4739-13	TP-11	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	D		2

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

11/7/24

164749
8:40

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4722 **WorkList ID :** 185198 **Department :** Extraction **Date :** 11-07-2024 08:35:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4720-01	JC-701-COMP-01	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	K31	11/05/2024	8081B
P4722-03	WC-1(0-6)	Solid	Pesticide-TCL	Cool 4 deg C	WALS01	L23	11/05/2024	8081B
P4722-08	WC-2(0-6)	Solid	Pesticide-TCL	Cool 4 deg C	WALS01	L23	11/05/2024	8081B
P4722-13	WC-3(0-6)	Solid	Pesticide-TCL	Cool 4 deg C	WALS01	L23	11/05/2024	8081B
P4734-01	EO-03-11062024	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	L23	11/06/2024	8081B
P4737-01	TP2	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L23	11/05/2024	8081B
P4739-01	TP-14	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L21	11/06/2024	8081B
P4739-05	BP-G2	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L21	11/06/2024	8081B
P4739-09	BP-B2	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L21	11/06/2024	8081B
P4739-13	TP-11	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L21	11/06/2024	8081B

Date/Time 11/7/24 8:35
Raw Sample Received by: RJ (Ext lab)
Raw Sample Relinquished by: JDC(Sm)

Date/Time 11/7/24 9:10
Raw Sample Received by: JDC(Sm)
Raw Sample Relinquished by: RJ (Ext lab)

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Prep Standard - Chemical Standard Summary

Order ID : P4722

Test : Pesticide-TCL

Prepbatch ID : PB164749,

Sequence ID/Qc Batch ID: PL110724,

Standard ID :
EP2539,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 :
E2865,E3551,E3762,E3770,E3788,E3792,E3793,E3805,E3806,E3815,E3825,P 11145,P11146,P11896,P13035,P13036,P13039,P13244,P13349,P13350,P13351,P13359,P13402,

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Extractions STANDARD PREPARATION LOG

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

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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CHEMICAL RECEIPT LOG BOOK

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

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	11/06/2025	07/12/2024 / Rajesh	07/02/2024 / Rajesh	E3770

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

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

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CHEMICAL RECEIPT LOG BOOK

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

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

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	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

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CHEMICAL RECEIPT LOG BOOK

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

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

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

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

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

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

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CHEMICAL RECEIPT LOG BOOK

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

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

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

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

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

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

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

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

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

E 2865

James T Ethier

Jamie Ethier
Vice President Global Quality

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

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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

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.5	0.1
Water (H_2O)	≤ 0.5 %	0.1 %
Solubility in H_2O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities - Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities - Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities - Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities - Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Recd. by RP on 9/11/24

E3793

Acetone
CMOS

avantor™ | J.T.Baker®

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

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

>>> Continued on page 3 >>>

Acetone
CMOS

avantor™ | J.T.Baker®

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

Test	Specification	Result

For Microelectronic Use

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

Michelle Bales
Sr. Manager, Quality Assurance

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

avantor™ | J.T.Baker®

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

Certificate of Analysis

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

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

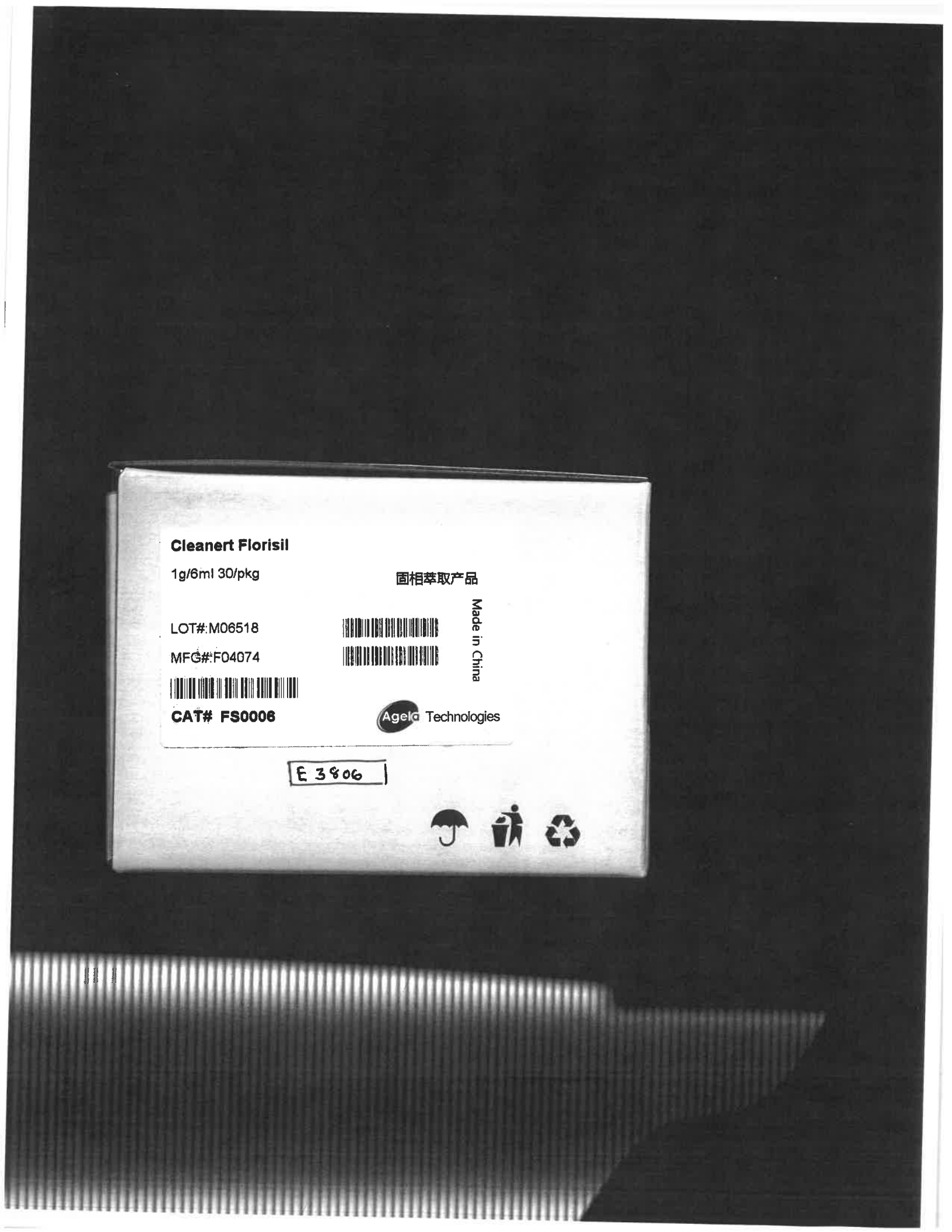
Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 9/25/24

E3805

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production


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

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

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

Certificate of Analysis

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

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

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

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

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

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)

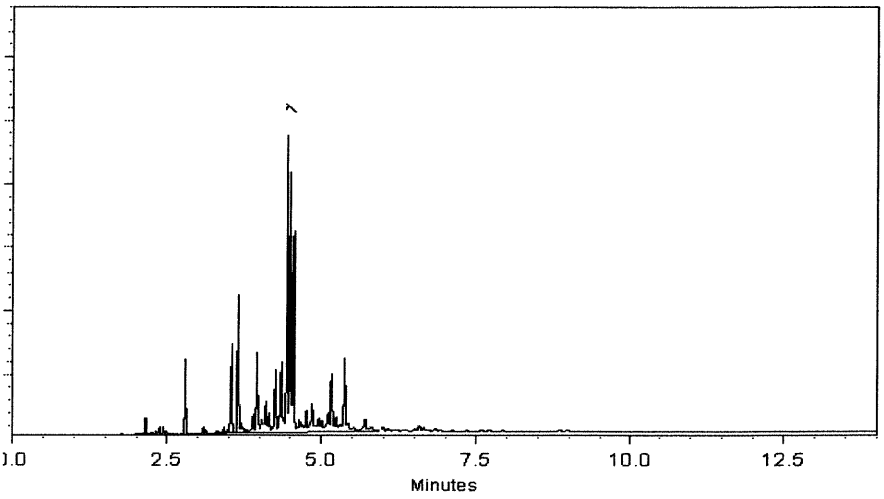
Carrier Gas:
helium-constant pressure 20 psi.

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.)

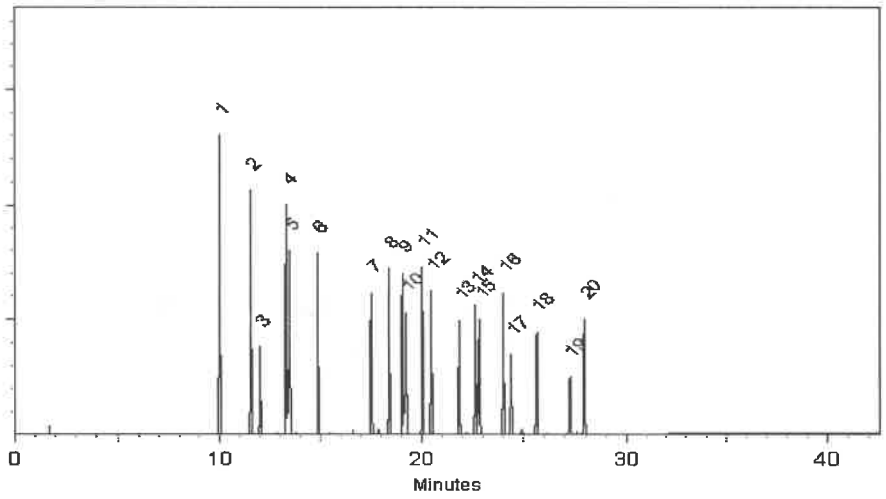
Inj. Temp:
200°C

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

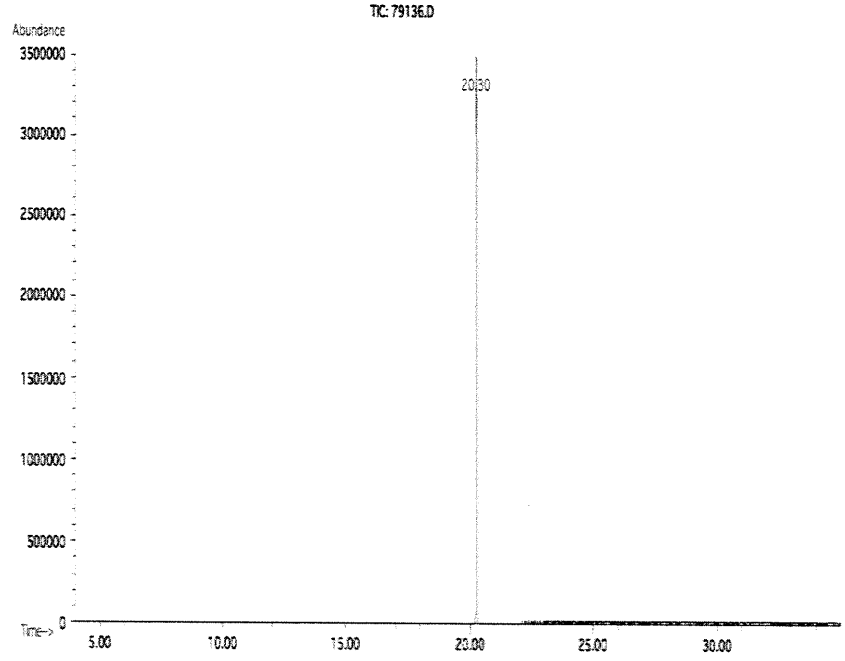
Solvent(s): **Lot#**
Acetone 81025

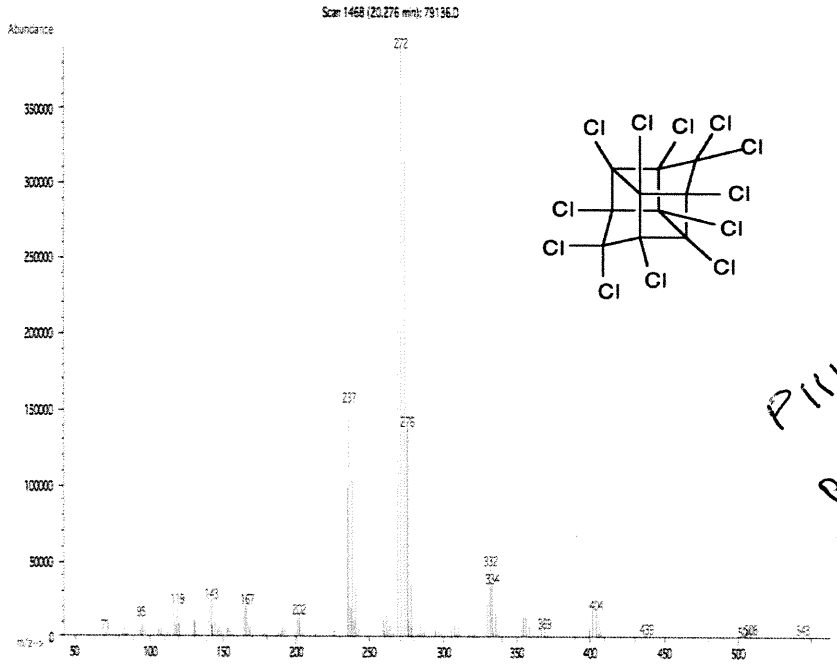
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

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

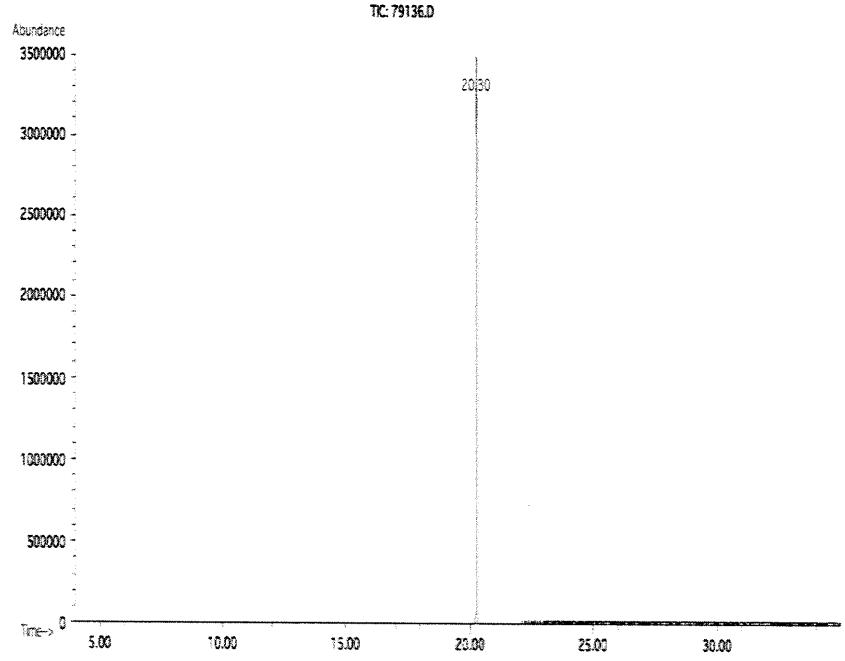
Solvent(s): **Lot#**
Acetone 81025

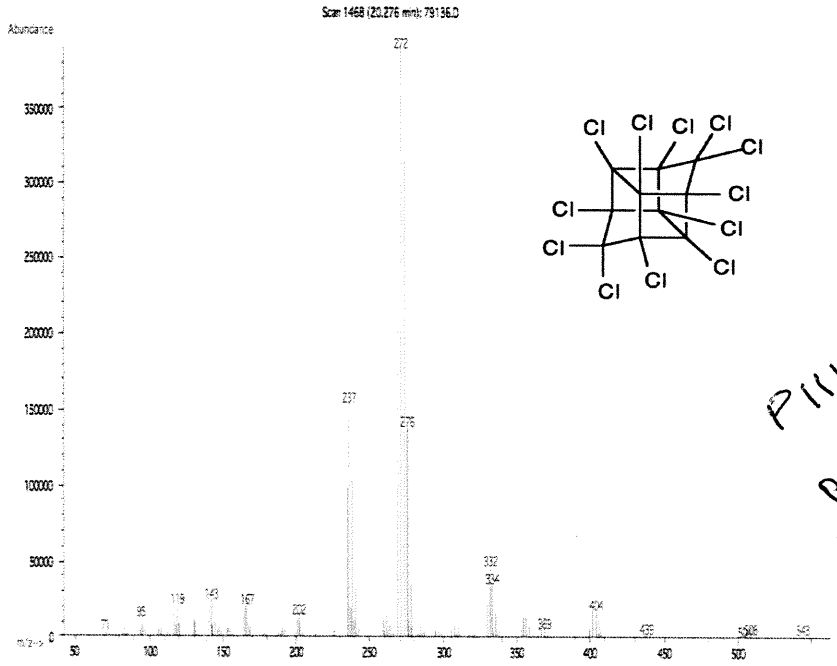
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

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).**

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

P 13034 ↓ P 13038 5

12.26.2023

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

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

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

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4	µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5	µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9	µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9	µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034) 5
↓
P13038 1

12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

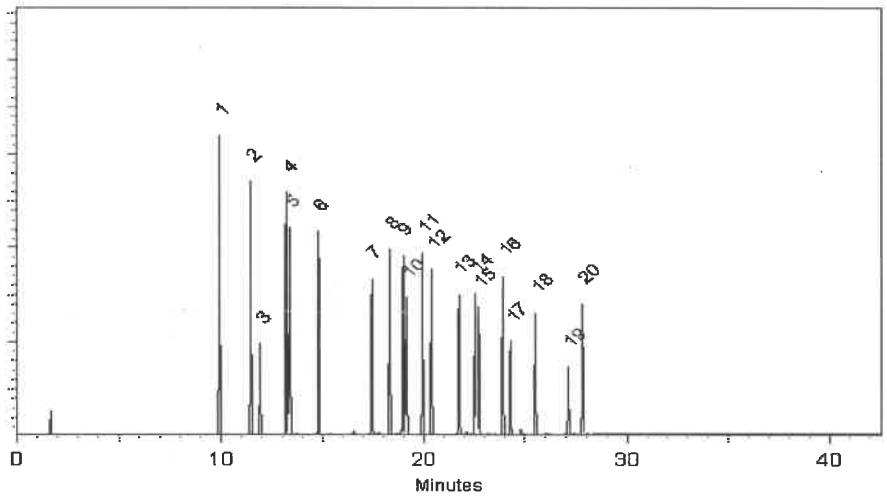
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

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

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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.)

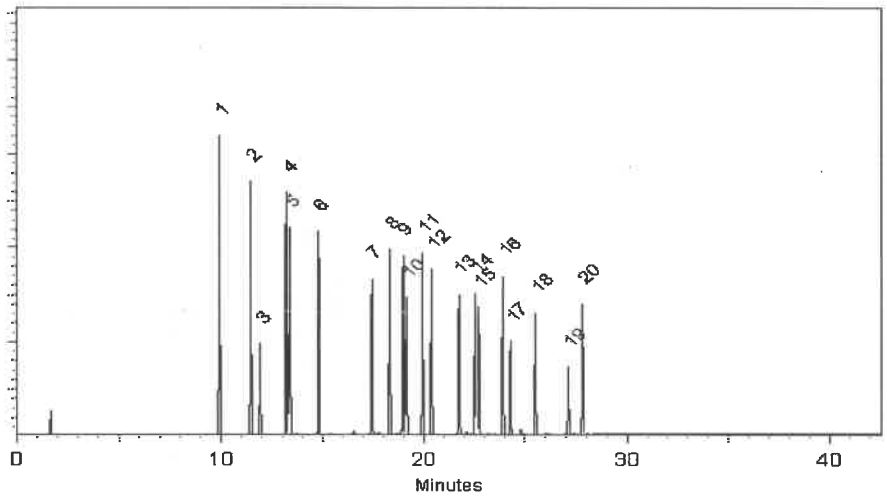
Inj. Temp:
200°C

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).

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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.)

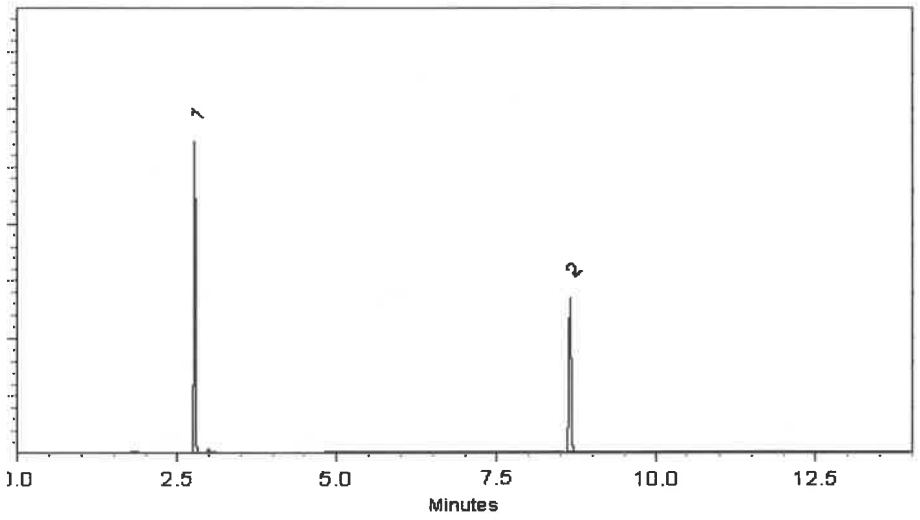
Inj. Temp:
250°C

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

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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P13348 ↓ P13357 (10)

04/25/2024

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

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

Carrier Gas:
hellum-constant pressure 20 psi.

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

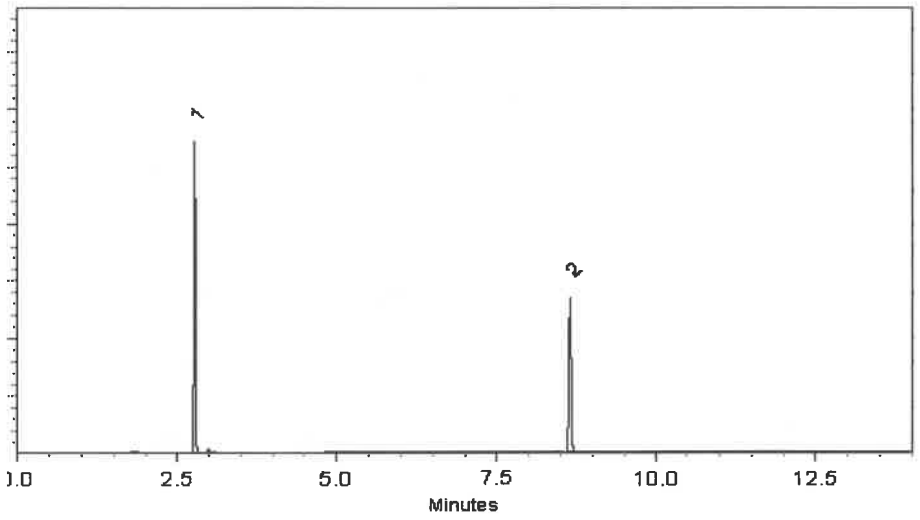
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P13348 (10)

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P13357

04/25/2025

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P13348 ↓ P13357 (10)

04/25/2024

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

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

Carrier Gas:
hellum-constant pressure 20 psi.

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

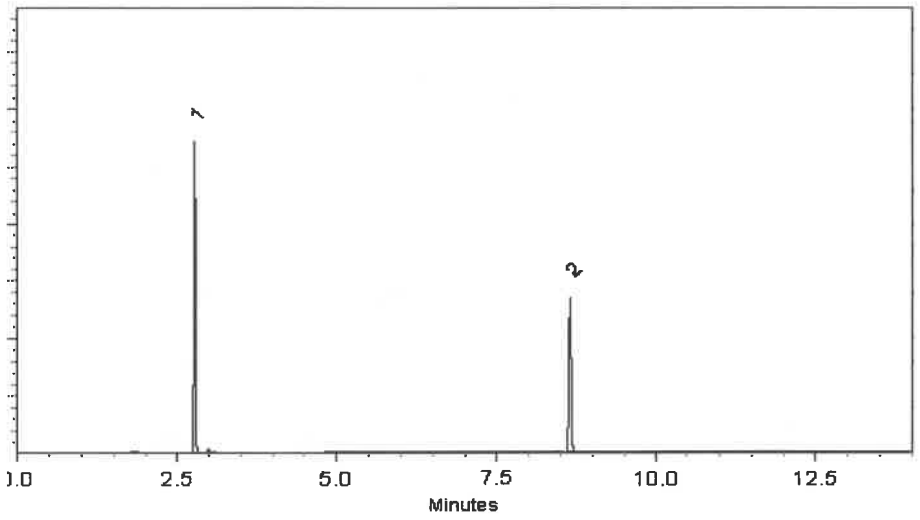
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P13348 (10)

↓

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.)

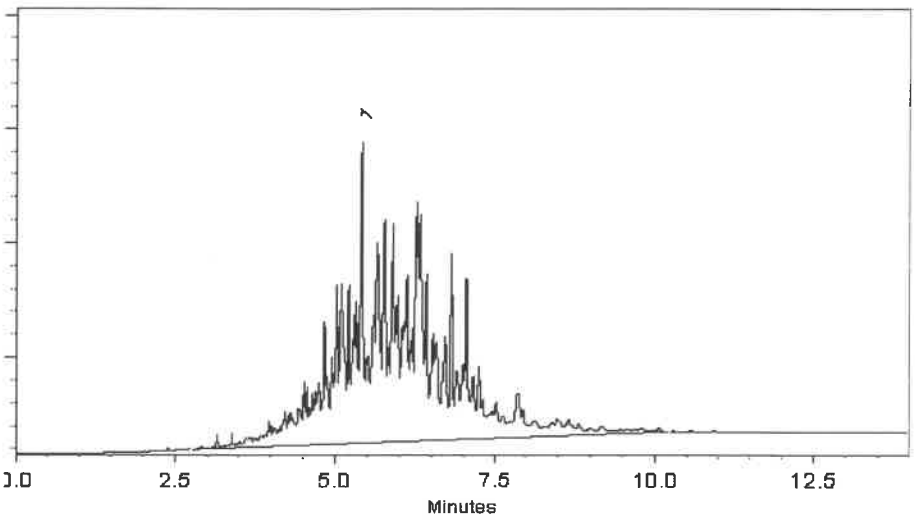
Inj. Temp:
250°C

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

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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.)

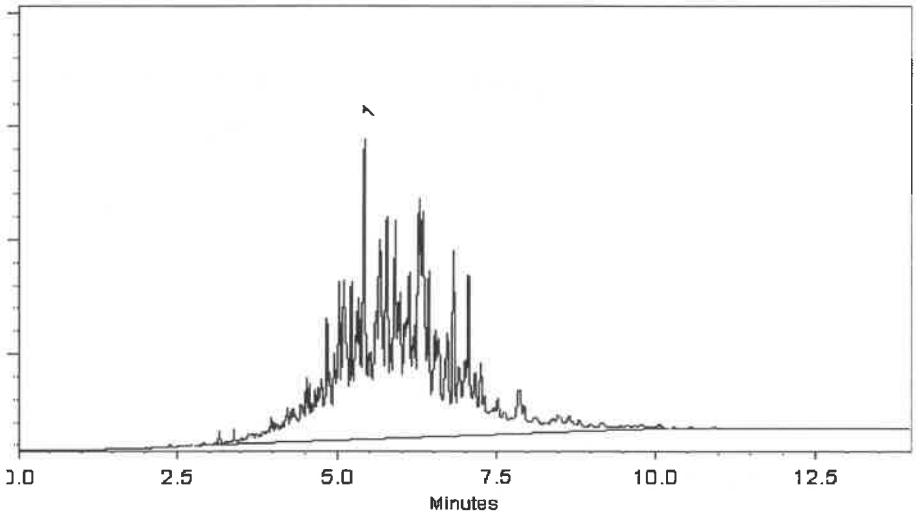
Inj. Temp:
250°C

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

(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

QUOTE NO. P4722
COC Number 2046205

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Walsh Construction Company
ADDRESS: 150 CLOVE ROAD, 11th FLOOR
CITY LITTLE FALLS STATE: NJ ZIP: 07424
ATTENTION:
PHONE: 201-691-6000 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: C547A Construction of Shafts 17B1-18B1
PROJECT NO.: 220084 LOCATION: Shaft 18B-1
PROJECT MANAGER: Jesse SYLVESTRI
e-mail: JSYLVESTRI@WALSHGROUP.COM
PHONE: 201-681-9740 FAX:

CLIENT BILLING INFORMATION

BILL TO: JESSE SYLVESTRI PO#:
ADDRESS: 150 CLOVE ROAD, 11th FLOOR
CITY LITTLE FALLS STATE: NJ ZIP: 07424
ATTENTION: Jesse SYLVESTRI PHONE: 201-681-9740

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 TCL VOCs + TICs, 8260C
2 TCL SVOCs + 10 TICs, 8270D
3 TAL Metals 6010D/7471B
4 Total Cyanide 9012B Tri+ Hex Chrome 3060A/7196A
5 Pest/Herb/PCB 8081B/8082A
6 SPLP VOCs, SVOCs Metals, Pest/Herb/PCB
7 TCLP SVOCs, Pest/Herb/PCB
8 NJ EPH 10/14 GRO 8015D
9 RCRA Characteristics Ignitability, Corrosivity, Reactivity, Sulfide, Cyanide SW846 Ch 7.3
Specific compounds

PRESERVATIVES

Method Blank

COMMENTS

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

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRES 1	PRES 2	PRES 3	PRES 4	PRES 5	PRES 6	PRES 7	PRES 8	PRES 9
1.	WC-1 (5.5)	S		✓	11/5/24	1155	5	X								
2.	WC-1 (3.5)	S		✓		1225	5	X								
3.	WC-1 (0-6)	S	✓			1240	10		X	X	X	X	X	X	X	X
4.	WC-2 (2)	S		✓		1000	5	X								
5.	WC-2 (4)	S		✓		1020	5	X								
6.	WC-2 (0-6)	S	✓			1045	10		X	X	X	X	X	X	X	X
7.	WC-3 (5)	S		✓		815	5	X								
8.	WC-3 (3)	S		✓		845	5	X								
9.	WC-3 (0-6)	S	✓			910	10		X	X	X	X	X	X	X	X
10.																

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

	DATE/TIME	RECEIVED BY:
1 RELINQUISHED BY SAMPLER:	11/5/24 1:15pm	1. Bernie DE
2 RELINQUISHED BY SAMPLER: Bernie DE	11-5-24 1406	2. 1406 11-5-24
3 RELINQUISHED BY SAMPLER:	11-5-24 17:30	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON-COMPLIANT ☐ COOLER TEMP 3.7 °C

Comments: Additional Analyses: Paint Filter 9095A Total Solids SM2540B Total Volatile Solids SM2540B Ammonia as Nitrogen 350.1 Chemical Oxygen Demand 410.4 0.1 and Grease 9071B Full analytes list in email from Bill Fitchett 11/5/24

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4722 WALS01
Client Name : Walsh Construction Compa
Client Contact : Kayla Timony
Invoice Name : Walsh Construction Compa
Invoice Contact : Kayla Timony

Order Date : 11/5/2024 3:33:08 PM
Project Name : NYCDEP C547A - Shafts 1
Receive DateTime : 11/5/2024 5:32:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : Level 2
EDD Type : Excel NY
Hard Copy Date :
Date Signoff : 11/6/2024 11:17:21 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4722-01	WC-1(5.5)	Solid	11/05/2024	11:55					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-06	WC-2(2)	Solid	11/05/2024	10:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-11	WC-3(5)	Solid	11/05/2024	08:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-17	WC-1(3.5)	Solid	11/05/2024	12:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-19	WC-2(4)	Solid	11/05/2024	10:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-21	WC-3(3)	Solid	11/05/2024	08:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days

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

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Order ID : P4722 WALS01
Client Name : Walsh Construction Compa
Client Contact : Kayla Timony
Invoice Name : Walsh Construction Compa
Invoice Contact : Kayla Timony

Order Date : 11/5/2024 3:33:08 PM
Project Name : NYCDEP C547A - Shafts 1
Receive DateTime : 11/5/2024 5:32:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : Level 2
EDD Type : Excel NY
Hard Copy Date :
Date Signoff : 11/6/2024 11:17:21 AM

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

Relinguished By :
Date / Time : 11/6/24 1218

Received By : Roman 12:20
Date / Time : 11/06/24
Storage Area : VOA Refridgerator Room