

DATA REPORTING QUALIFIERS- ORGANIC

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

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

LAB CHRONICLE

OrderID: Q1487	OrderDate: 3/4/2025 3:33:00 PM
Client: JPCL Engineering	Project: NYSDOT Two Bronx River Parkway Bridges
Contact: Paul Rotondi	Location: I11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1487-01	DN-B-42	SOIL			03/04/25			03/04/25
			PCB	8082A		03/05/25	03/05/25	
			Pesticide-TCL	8081B		03/05/25	03/05/25	



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Hit Summary Sheet
SW-846

SDG No.: Q1487

Order ID: Q1487

Client: JPCL Engineering

Project ID: NYSDOT Two Bronx River Parkway I

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
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Client ID :

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: Q1487

Client: JPCL Engineering

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL094323.D	PIBLK-PL094323.D	Decachlorobiphenyl	1	20	24.7	123		43	140
		Tetrachloro-m-xylene	1	20	23.3	116		77	126
		Decachlorobiphenyl	2	20	23.6	118		43	140
		Tetrachloro-m-xylene	2	20	22.8	114		77	126
I.BLK-PL094497.D	PIBLK-PL094497.D	Decachlorobiphenyl	1	20	22.5	113		43	140
		Tetrachloro-m-xylene	1	20	22.8	114		77	126
		Decachlorobiphenyl	2	20	21.1	106		43	140
		Tetrachloro-m-xylene	2	20	21.8	109		77	126
PB166986BL	PB166986BL	Decachlorobiphenyl	1	20	25.1	126		20	144
		Tetrachloro-m-xylene	1	20	22.3	111		19	148
		Decachlorobiphenyl	2	20	23.4	117		20	144
		Tetrachloro-m-xylene	2	20	21.5	108		19	148
PB166986BS	PB166986BS	Decachlorobiphenyl	1	20	22.9	114		20	144
		Tetrachloro-m-xylene	1	20	21.6	108		19	148
		Decachlorobiphenyl	2	20	21.6	108		20	144
		Tetrachloro-m-xylene	2	20	19.7	99		19	148
I.BLK-PL094510.D	PIBLK-PL094510.D	Decachlorobiphenyl	1	20	22.3	112		43	140
		Tetrachloro-m-xylene	1	20	22.5	112		77	126
		Decachlorobiphenyl	2	20	21.9	110		43	140
		Tetrachloro-m-xylene	2	20	21.9	109		77	126
Q1485-01MS	DN-B-41MS	Decachlorobiphenyl	1	20	21.8	109		20	144
		Tetrachloro-m-xylene	1	20	26.0	130		19	148
		Decachlorobiphenyl	2	20	18.4	92		20	144
		Tetrachloro-m-xylene	2	20	25.3	126		19	148
Q1485-01MSD	DN-B-41MSD	Decachlorobiphenyl	1	20	22.2	111		20	144
		Tetrachloro-m-xylene	1	20	25.8	129		19	148
		Decachlorobiphenyl	2	20	18.4	92		20	144
		Tetrachloro-m-xylene	2	20	24.9	124		19	148
Q1487-01	DN-B-42	Decachlorobiphenyl	1	20	19.7	99		20	144
		Tetrachloro-m-xylene	1	20	23.3	116		19	148
		Decachlorobiphenyl	2	20	18.1	90		20	144
		Tetrachloro-m-xylene	2	20	24.0	120		19	148
I.BLK-PL094520.D	PIBLK-PL094520.D	Decachlorobiphenyl	1	20	21.9	110		43	140
		Tetrachloro-m-xylene	1	20	22.9	115		77	126
		Decachlorobiphenyl	2	20	19.2	96		43	140
		Tetrachloro-m-xylene	2	20	22.5	113		77	126

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1487

Client: JPCL Engineering

Analytical Method: 8081B

DataFile : PL094516.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	DN-B-41MS											
Q1485-01MS	alpha-BHC	20.01	0	20.5	ug/kg	102				60	144	
	beta-BHC	20.01	0	21.2	ug/kg	106				54	143	
	delta-BHC	20.01	0	20.8	ug/kg	104				29	151	
	gamma-BHC (Lindane)	20.01	0	20.4	ug/kg	102				61	140	
	Heptachlor	20.01	0	21.4	ug/kg	107				63	135	
	Aldrin	20.01	0	20.3	ug/kg	101				49	139	
	Heptachlor epoxide	20.01	0	20.7	ug/kg	103				41	156	
	Endosulfan I	20.01	0	21.2	ug/kg	106				56	142	
	Dieldrin	20.01	0	21.3	ug/kg	106				47	161	
	4,4'-DDE	20.01	0	21.1	ug/kg	105				55	136	
	Endrin	20.01	0	24.9	ug/kg	124				57	139	
	Endosulfan II	20.01	0	21.6	ug/kg	108				40	163	
	4,4'-DDD	20.01	0	23.6	ug/kg	118				47	163	
	Endosulfan sulfate	20.01	0	22.2	ug/kg	111				62	139	
	4,4'-DDT	20.01	0	21.4	ug/kg	107				51	146	
	Methoxychlor	20.01	0	23.3	ug/kg	116				54	136	
	Endrin ketone	20.01	0	20.0	ug/kg	100				60	129	
	Endrin aldehyde	20.01	0	20.1	ug/kg	100				59	132	
	alpha-Chlordane	20.01	0	21.2	ug/kg	106				39	166	
	gamma-Chlordane	20.01	0	21.2	ug/kg	106				44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1487

Client: JPCL Engineering

Analytical Method: 8081B

DataFile : PL094517.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	DN-B-41MSD											
Q1485-01MSD	alpha-BHC	20	0	20.2	ug/kg	101		1		60	144	20
	beta-BHC	20	0	21.0	ug/kg	105		1		54	143	20
	delta-BHC	20	0	20.6	ug/kg	103		1		29	151	20
	gamma-BHC (Lindane)	20	0	20.1	ug/kg	101		1		61	140	20
	Heptachlor	20	0	21.0	ug/kg	105		2		63	135	20
	Aldrin	20	0	20.2	ug/kg	101		0		49	139	20
	Heptachlor epoxide	20	0	20.7	ug/kg	104		1		41	156	20
	Endosulfan I	20	0	20.9	ug/kg	104		2		56	142	20
	Dieldrin	20	0	21.2	ug/kg	106		0		47	161	20
	4,4'-DDE	20	0	21.1	ug/kg	106		1		55	136	20
	Endrin	20	0	24.4	ug/kg	122		2		57	139	20
	Endosulfan II	20	0	21.4	ug/kg	107		1		40	163	20
	4,4'-DDD	20	0	24.0	ug/kg	120		2		47	163	20
	Endosulfan sulfate	20	0	22.1	ug/kg	111		0		62	139	20
	4,4'-DDT	20	0	21.6	ug/kg	108		1		51	146	20
	Methoxychlor	20	0	23.5	ug/kg	117		1		54	136	20
	Endrin ketone	20	0	20.3	ug/kg	102		2		60	129	20
	Endrin aldehyde	20	0	20.6	ug/kg	103		3		59	132	20
	alpha-Chlordane	20	0	21.1	ug/kg	106		0		39	166	20
	gamma-Chlordane	20	0	21.2	ug/kg	106		0		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1487

Client: JPCL Engineering

Analytical Method: **8081B**

Datafile : PL094501.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB166986BS	alpha-BHC	16.66	17.1	ug/kg	103				84	123	
	beta-BHC	16.66	17.6	ug/kg	106				82	123	
	delta-BHC	16.66	17.4	ug/kg	104				83	126	
	gamma-BHC (Lindane)	16.66	16.9	ug/kg	101				83	125	
	Heptachlor	16.66	18.1	ug/kg	109				83	122	
	Aldrin	16.66	17.2	ug/kg	103				82	124	
	Heptachlor epoxide	16.66	17.9	ug/kg	107				83	120	
	Endosulfan I	16.66	18.0	ug/kg	108				81	124	
	Dieldrin	16.66	18.1	ug/kg	109				85	121	
	4,4'-DDE	16.66	19.0	ug/kg	114				81	123	
	Endrin	16.66	20.8	ug/kg	125				76	130	
	Endosulfan II	16.66	19.1	ug/kg	115				80	125	
	4,4'-DDD	16.66	20.3	ug/kg	122				80	131	
	Endosulfan sulfate	16.66	18.5	ug/kg	111				81	122	
	4,4'-DDT	16.66	19.4	ug/kg	116				70	129	
	Methoxychlor	16.66	18.6	ug/kg	112				60	119	
	Endrin ketone	16.66	19.2	ug/kg	115				77	132	
	Endrin aldehyde	16.66	17.6	ug/kg	106				79	124	
	alpha-Chlordane	16.66	18.3	ug/kg	110				84	120	
	gamma-Chlordane	16.66	18.2	ug/kg	109				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166986BL

Lab Name: CHEMTECH

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487

SAS No.: Q1487 SDG NO.: Q1487

Lab Sample ID: PB166986BL

Lab File ID: PL094500.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 03/05/2025

Date Analyzed (1): 03/05/2025

Date Analyzed (2): 03/05/2025

Time Analyzed (1): 14:46

Time Analyzed (2): 14:46

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

GC Column (2): ZB-MR2 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
PB166986BS	PB166986BS	PL094501.D	03/05/2025	03/05/2025
DN-B-41MS	Q1485-01MS	PL094516.D	03/05/2025	03/05/2025
DN-B-41MSD	Q1485-01MSD	PL094517.D	03/05/2025	03/05/2025
DN-B-42	Q1487-01	PL094519.D	03/05/2025	03/05/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/04/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/04/25
Client Sample ID:	DN-B-42	SDG No.:	Q1487
Lab Sample ID:	Q1487-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	88.1
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094519.D	1	03/05/25 09:10	03/05/25 19:35	PB166986

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	1.90	U	0.20	1.90	ug/kg
319-85-7	beta-BHC	1.90	U	0.56	1.90	ug/kg
319-86-8	delta-BHC	1.90	U	0.53	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	1.90	U	0.22	1.90	ug/kg
76-44-8	Heptachlor	1.90	U	0.19	1.90	ug/kg
309-00-2	Aldrin	1.90	U	0.16	1.90	ug/kg
1024-57-3	Heptachlor epoxide	1.90	U	0.26	1.90	ug/kg
959-98-8	Endosulfan I	1.90	U	0.19	1.90	ug/kg
60-57-1	Dieldrin	1.90	U	0.17	1.90	ug/kg
72-55-9	4,4-DDE	1.90	U	0.15	1.90	ug/kg
72-20-8	Endrin	1.90	U	0.18	1.90	ug/kg
33213-65-9	Endosulfan II	1.90	U	0.34	1.90	ug/kg
72-54-8	4,4-DDD	1.90	U	0.22	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	1.90	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	1.90	U	0.19	1.90	ug/kg
72-43-5	Methoxychlor	1.90	U	0.43	1.90	ug/kg
53494-70-5	Endrin ketone	1.90	U	0.25	1.90	ug/kg
7421-93-4	Endrin aldehyde	1.90	U	0.44	1.90	ug/kg
5103-71-9	alpha-Chlordane	1.90	U	0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	1.90	U	0.22	1.90	ug/kg
8001-35-2	Toxaphene	37.4	U	5.90	37.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.7		20 - 144	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.0		19 - 148	120%	SPK: 20

Report of Analysis

Client:	JPCL Engineering		Date Collected:	03/04/25	
Project:	NYSDOT Two Bronx River Parkway Bridges		Date Received:	03/04/25	
Client Sample ID:	DN-B-42		SDG No.:	Q1487	
Lab Sample ID:	Q1487-01		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	88.1	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
PL094519.D	1	03/05/25 09:10	03/05/25 19:35	PB166986

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
 Data File : PL094519.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Mar 2025 19:35
 Operator : AR\AJ
 Sample : Q1487-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 DN-B-42

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 06 01:01:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 14:52:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.771	59129872	76545512	23.288m	23.987
28) SA Decachlor...	9.054	7.905	41915445	69528929	19.704	18.080m
Target Compounds						
6) B beta-BHC	4.531	3.907	2191243	2084874	1.372m	1.048

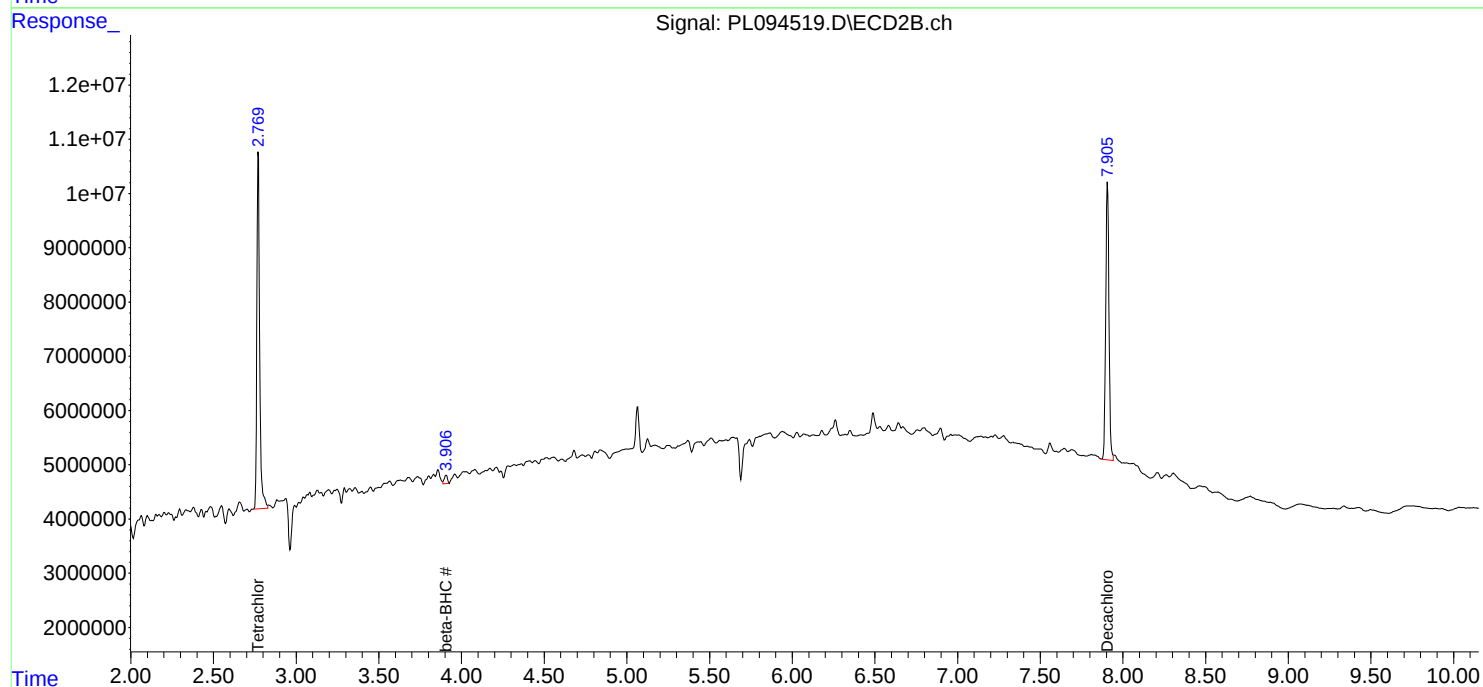
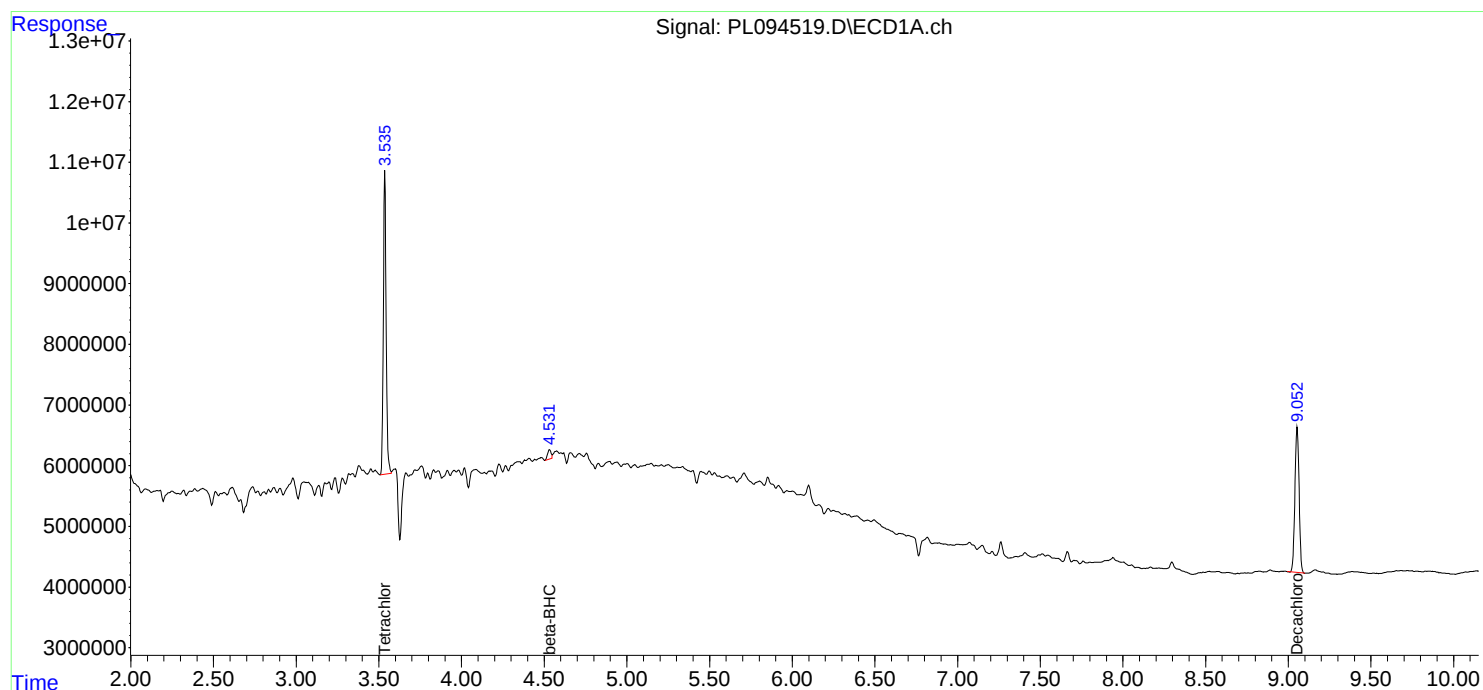
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

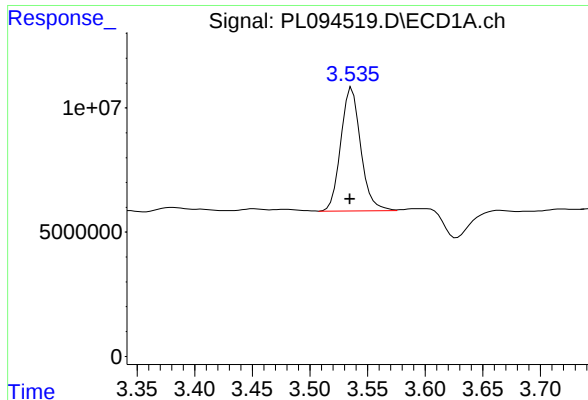
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
Data File : PL094519.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Mar 2025 19:35
Operator : AR\AJ
Sample : Q1487-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
DN-B-42

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 06 01:01:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

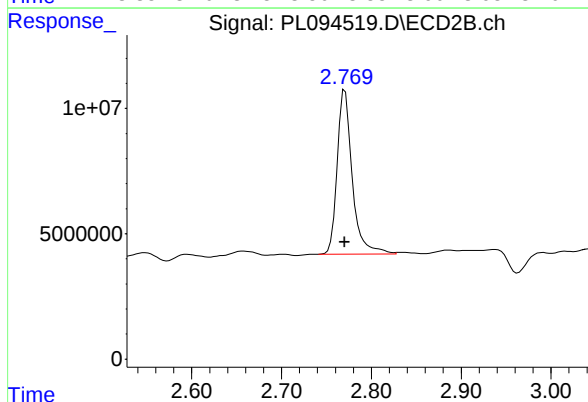




#1 Tetrachloro-m-xylene

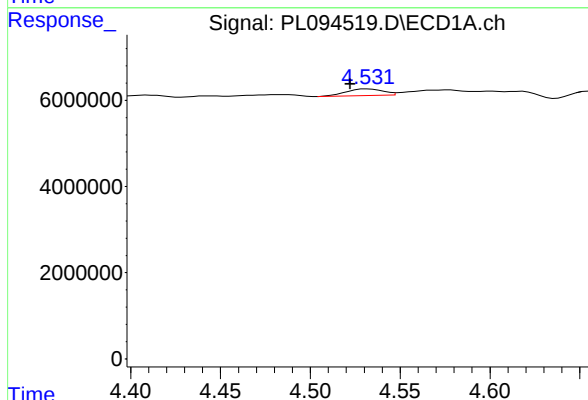
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 59129872
Conc: 23.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
DN-B-42



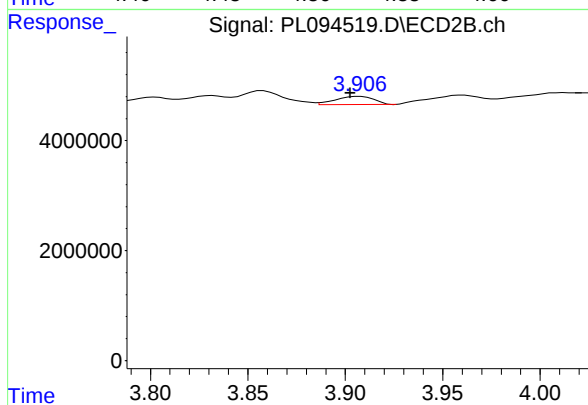
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 76545512
Conc: 23.99 ng/ml



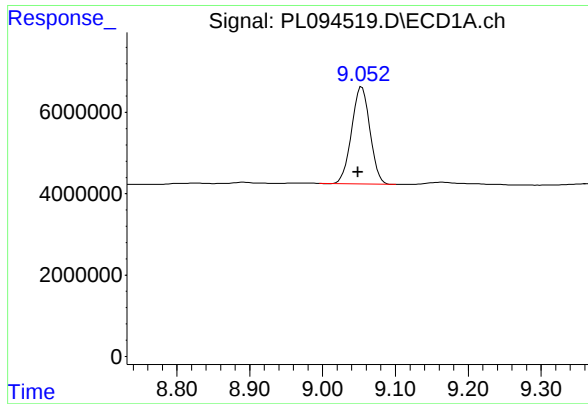
#6 beta-BHC

R.T.: 4.531 min
Delta R.T.: 0.008 min
Response: 2191243
Conc: 1.37 ng/ml m



#6 beta-BHC

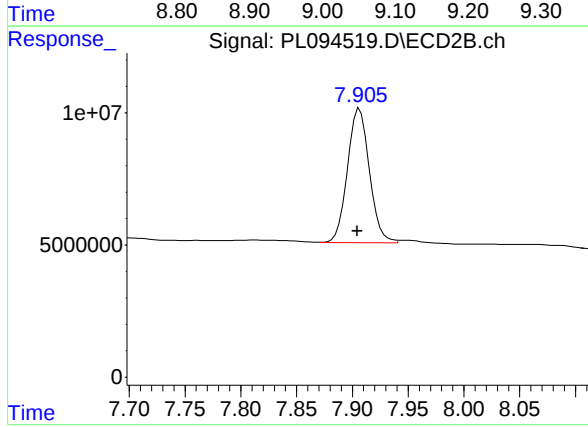
R.T.: 3.907 min
Delta R.T.: 0.005 min
Response: 2084874
Conc: 1.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.005 min
Response: 41915445
Conc: 19.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
DN-B-42



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: 0.000 min
Response: 69528929
Conc: 18.08 ng/ml m



CALIBRATION SUMMARY

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

[illegible]

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: JPCL01
Lab Code: CHEM **Case No.:** Q1487 **SAS No.:** Q1487 **SDG NO.:** Q1487
Instrument ID: ECD_L **Calibration Date(s):** 02/21/2025 02/21/2025
Calibration Times: 10:56 11:51

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

LAB FILE ID:		CF 100 = <u>PL094326.D</u>		CF 075 = <u>PL094327.D</u>			
CF 050 = <u>PL094328.D</u>		CF 025 = <u>PL094329.D</u>		CF 005 = <u>PL094330.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1803580000	1795660000	1810310000	1935150000	1904070000	1849750000	4
4,4'-DDE	2493500000	2470740000	2506610000	2704950000	2882800000	2611720000	7
4,4'-DDT	1974760000	1979910000	2019710000	2146120000	2379640000	2100030000	8
Aldrin	3281770000	3217010000	3255180000	3477160000	3927610000	3431750000	9
alpha-BHC	3748810000	3649740000	3623010000	3780620000	4111130000	3782660000	5
alpha-Chlordane	2727770000	2693090000	2738980000	2936760000	3388830000	2897090000	10
beta-BHC	1501030000	1494420000	1485840000	1667440000	1835770000	1596900000	10
Decachlorobiphenyl	1933170000	1963230000	2030640000	2203310000	2505970000	2127260000	11
delta-BHC	3482300000	3394730000	3353250000	3521830000	3939260000	3538270000	7
Dieldrin	2692690000	2671770000	2693570000	2901890000	3285250000	2849030000	9
Endosulfan I	2547690000	2536030000	2605780000	2783760000	3269880000	2748630000	11
Endosulfan II	2275250000	2276760000	2334150000	2535820000	3164240000	2517240000	15
Endosulfan sulfate	2066530000	2082580000	2124320000	2325240000	2720550000	2263840000	12
Endrin	2293020000	2294250000	2335150000	2563130000	3275860000	2552280000	16
Endrin aldehyde	1783210000	1799570000	1847420000	2020050000	2283730000	1946800000	11
Endrin ketone	2341850000	2345380000	2389970000	2583410000	2873950000	2506910000	9
gamma-BHC (Lindane)	3636600000	3544540000	3535300000	3710470000	4046760000	3694740000	6
gamma-Chlordane	2749680000	2723950000	2753190000	2951510000	3502350000	2936140000	11
Heptachlor	3238030000	3195300000	3207600000	3444620000	3866240000	3390360000	8
Heptachlor epoxide	2854740000	2830940000	2868110000	3075040000	3438100000	3013390000	9
Methoxychlor	1034140000	1042330000	1072820000	1161190000	1244730000	1111040000	8
Tetrachloro-m-xylene	2440810000	2429970000	2443520000	2602410000	2778780000	2539100000	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: JPCL01
Lab Code: CHEM **Case No.:** Q1487 **SAS No.:** Q1487 **SDG NO.:** Q1487
Instrument ID: ECD_L **Calibration Date(s):** 02/21/2025 02/21/2025
Calibration Times: 10:56 11:51

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

LAB FILE ID:		CF 100 = <u>PL094326.D</u>		CF 075 = <u>PL094327.D</u>			
CF 050 = <u>PL094328.D</u>		CF 025 = <u>PL094329.D</u>		CF 005 = <u>PL094330.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3335160000	3215540000	3139450000	3166740000	3069690000	3185310000	3
4,4'-DDE	4281660000	4182440000	4118800000	4213820000	4203280000	4200000000	1
4,4'-DDT	3703100000	3584290000	3529700000	3537620000	3430330000	3557010000	3
Aldrin	4820710000	4668200000	4536250000	4555960000	4520730000	4620370000	3
alpha-BHC	5213240000	5010060000	4886090000	4788800000	4675760000	4914790000	4
alpha-Chlordane	4373480000	4258810000	4191540000	4303990000	4460210000	4317600000	2
beta-BHC	1965110000	1930080000	1919640000	1976280000	2153520000	1988920000	5
Decachlorobiphenyl	3675900000	3638830000	3681980000	3820210000	4411300000	3845640000	8
delta-BHC	5032580000	4845250000	4682410000	4626330000	4491990000	4735710000	4
Dieldrin	4518600000	4388970000	4327740000	4347710000	4325860000	4381780000	2
Endosulfan I	4036260000	3934540000	3904680000	3979590000	4077800000	3986580000	2
Endosulfan II	3796570000	3715310000	3681290000	3767040000	3737420000	3739530000	1
Endosulfan sulfate	3706520000	3626300000	3609280000	3706820000	3819330000	3693650000	2
Endrin	3538690000	3451940000	3434060000	3498850000	3100040000	3404720000	5
Endrin aldehyde	3123920000	3068890000	3064770000	3158970000	3385600000	3160430000	4
Endrin ketone	4300600000	4199470000	4213040000	4281500000	4343010000	4267520000	1
gamma-BHC (Lindane)	4983380000	4798550000	4658170000	4606370000	4503230000	4709940000	4
gamma-Chlordane	4438420000	4307340000	4231380000	4301670000	4415360000	4338830000	2
Heptachlor	4844080000	4715390000	4629500000	4679640000	4732940000	4720310000	2
Heptachlor epoxide	4316300000	4215090000	4165700000	4257130000	4322680000	4255380000	2
Methoxychlor	1924140000	1903960000	1935750000	2006380000	1984890000	1951030000	2
Tetrachloro-m-xylene	3209080000	3135420000	3127500000	3185970000	3297890000	3191170000	2



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487 SAS No.: Q1487 SDG NO.: Q1487

Instrument ID: ECD_L Date(s) Analyzed: 02/21/2025 02/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.23	6.13	6.33	27502600
		2	6.44	6.34	6.54	15755600
		3	7.05	6.95	7.15	85691600
		4	7.15	7.05	7.25	64144500
		5	7.93	7.83	8.03	48033300



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487 SAS No.: Q1487 SDG NO.: Q1487

Instrument ID: ECD_L Date(s) Analyzed: 02/21/2025 02/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.00	4.90	5.10	27519700
		2	5.32	5.22	5.42	26638800
		3	5.68	5.58	5.78	28297800
		4	6.59	6.49	6.69	98473700
		5	7.03	6.93	7.13	90711700

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
 Data File : PL094326.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2025 10:56
 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: Feb 21 11:49:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 11:46:00 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.770	244.1E6	320.9E6	99.945	101.288
2)	SA Decachlor...	9.049	7.904	193.3E6	367.6E6	97.541	99.917
Target Compounds							
2)	A alpha-BHC	3.992	3.273	374.9E6	521.3E6	101.707	103.239
3)	MA gamma-BHC...	4.324	3.602	363.7E6	498.3E6	101.413	103.373
4)	MA Heptachlor	4.911	3.940	323.8E6	484.4E6	100.472	102.265
5)	MB Aldrin	5.253	4.219	328.2E6	482.1E6	100.407	103.040
6)	B beta-BHC	4.523	3.902	150.1E6	196.5E6	100.508	101.171
7)	B delta-BHC	4.769	4.131	348.2E6	503.3E6	101.888	103.604
8)	B Heptachlo...	5.679	4.722	285.5E6	431.6E6	99.766	101.776
9)	A Endosulfan I	6.065	5.092	254.8E6	403.6E6	98.873	101.657
10)	B gamma-Chl...	5.935	4.972	275.0E6	443.8E6	99.936	102.388
11)	B alpha-Chl...	6.015	5.036	272.8E6	437.3E6	99.795	102.124
12)	B 4,4'-DDE	6.189	5.224	249.4E6	428.2E6	99.738	101.939
13)	MA Dieldrin	6.340	5.355	269.3E6	451.9E6	99.984	102.158
14)	MA Endrin	6.570	5.631	229.3E6	353.9E6	99.090	101.501
15)	B Endosulfa...	6.790	5.926	227.5E6	379.7E6	98.722	101.542
16)	A 4,4'-DDD	6.706	5.779	180.4E6	333.5E6	99.814	103.023
17)	MA 4,4'-DDT	7.020	6.029	197.5E6	370.3E6	98.875	102.397
18)	B Endrin al...	6.921	6.105	178.3E6	312.4E6	98.232	100.956
19)	B Endosulfa...	7.154	6.328	206.7E6	370.7E6	98.621	101.329
20)	A Methoxychlor	7.496	6.605	103.4E6	192.4E6	98.164	99.699
21)	B Endrin ke...	7.640	6.833	234.2E6	430.1E6	98.983	101.028
22)	Mirex	8.112	7.013	185.1E6	336.6E6	97.670	99.535

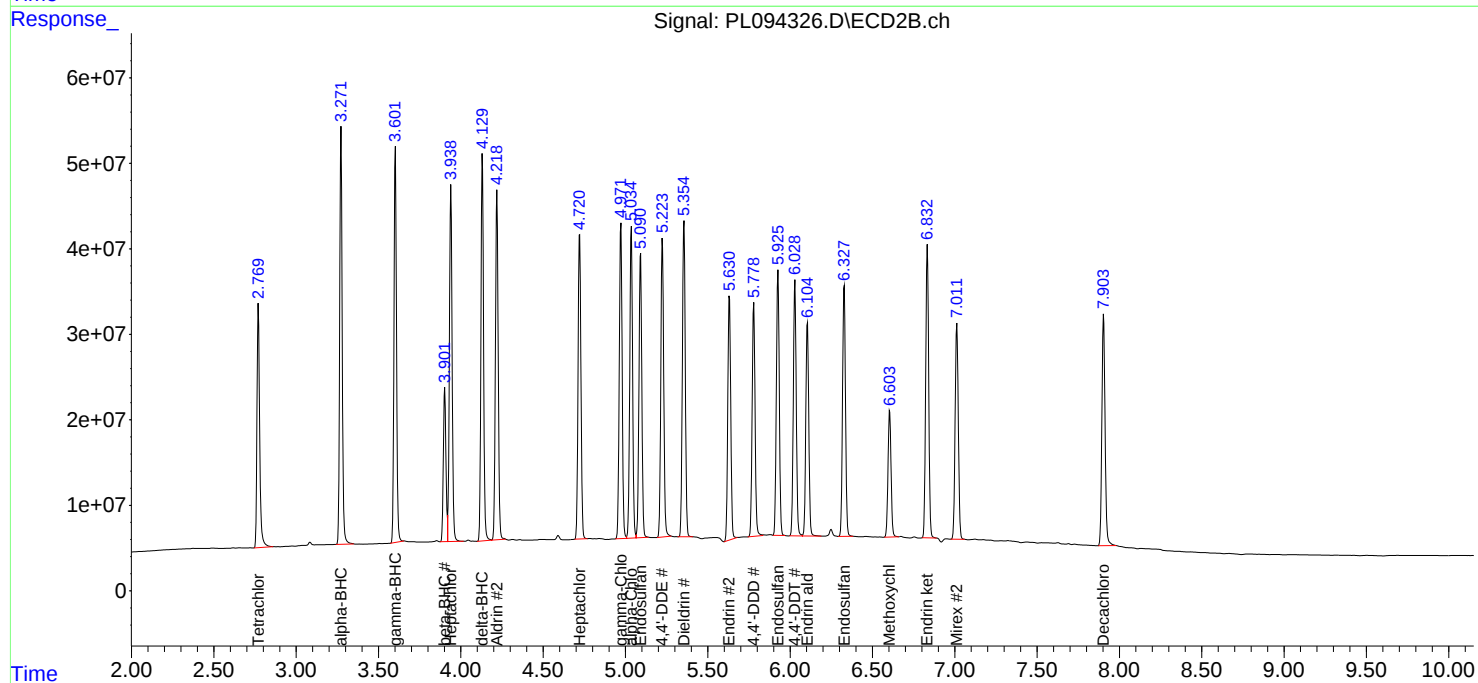
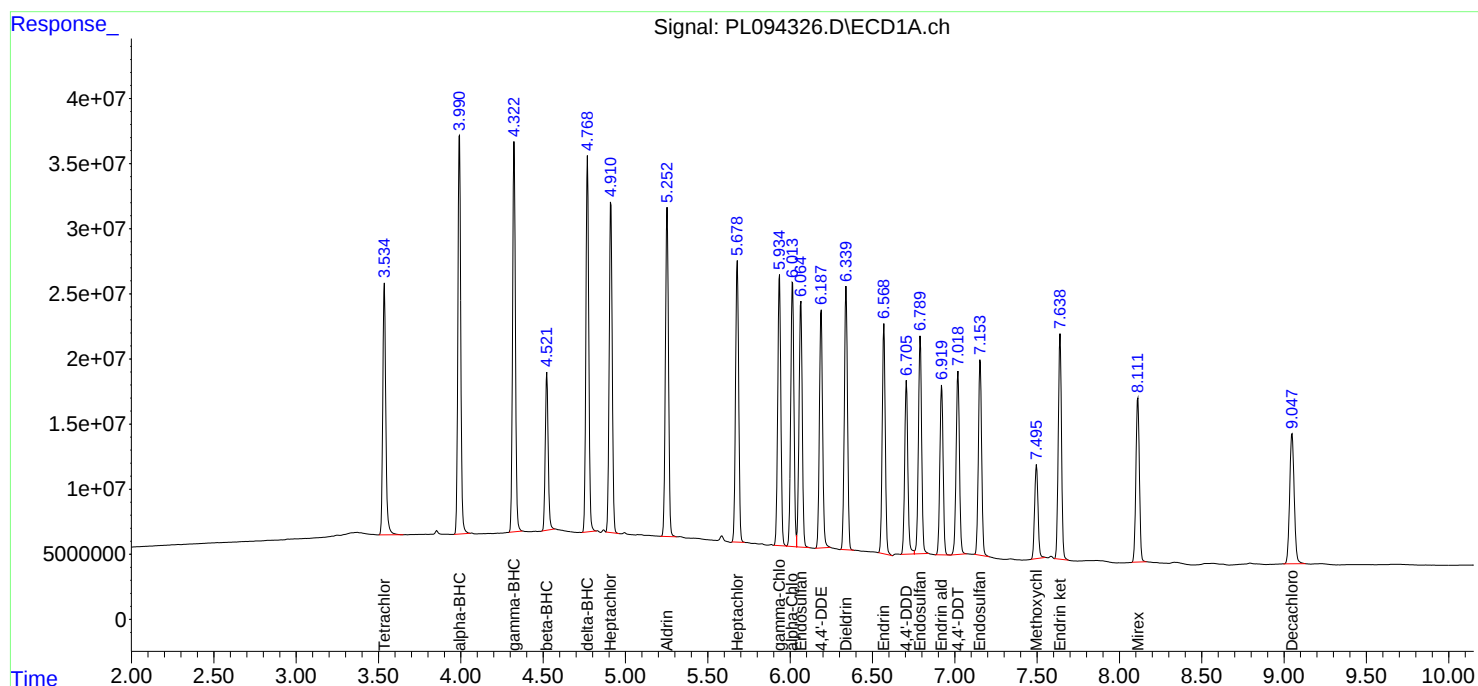
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 10:56
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: Feb 21 11:49:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 11:46:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
 Data File : PL094327.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2025 11:10
 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: Feb 21 11:51:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 11:46:00 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.770	182.2E6	235.2E6	74.750	74.479
28)	SA Decachlor...	9.048	7.903	147.2E6	272.9E6	74.527	74.453
Target Compounds							
2)	A alpha-BHC	3.992	3.272	273.7E6	375.8E6	74.508	74.607
3)	MA gamma-BHC...	4.324	3.602	265.8E6	359.9E6	74.420	74.769
4)	MA Heptachlor	4.911	3.940	239.6E6	353.7E6	74.572	74.774
5)	MB Aldrin	5.253	4.219	241.3E6	350.1E6	74.208	74.890
6)	B beta-BHC	4.522	3.902	112.1E6	144.8E6	75.033	74.683
7)	B delta-BHC	4.769	4.131	254.6E6	363.4E6	74.662	74.874
8)	B Heptachlo...	5.679	4.721	212.3E6	316.1E6	74.465	74.694
9)	A Endosulfan I	6.065	5.091	190.2E6	295.1E6	74.206	74.546
10)	B gamma-Chl...	5.935	4.971	204.3E6	323.1E6	74.499	74.681
11)	B alpha-Chl...	6.014	5.035	202.0E6	319.4E6	74.259	74.723
12)	B 4,4'-DDE	6.188	5.223	185.3E6	313.7E6	74.411	74.788
13)	MA Dieldrin	6.339	5.354	200.4E6	329.2E6	74.602	74.612
14)	MA Endrin	6.569	5.630	172.1E6	258.9E6	74.570	74.505
15)	B Endosulfa...	6.789	5.925	170.8E6	278.6E6	74.391	74.684
16)	A 4,4'-DDD	6.705	5.778	134.7E6	241.2E6	74.687	74.663
17)	MA 4,4'-DDT	7.019	6.028	148.5E6	268.8E6	74.565	74.555
18)	B Endrin al...	6.919	6.104	135.0E6	230.2E6	74.565	74.588
19)	B Endosulfa...	7.154	6.327	156.2E6	272.0E6	74.693	74.567
20)	A Methoxychlor	7.496	6.603	78174777	142.8E6	74.469	74.324
21)	B Endrin ke...	7.639	6.832	175.9E6	315.0E6	74.565	74.323
22)	Mirex	8.111	7.012	140.5E6	249.6E6	74.416	74.198

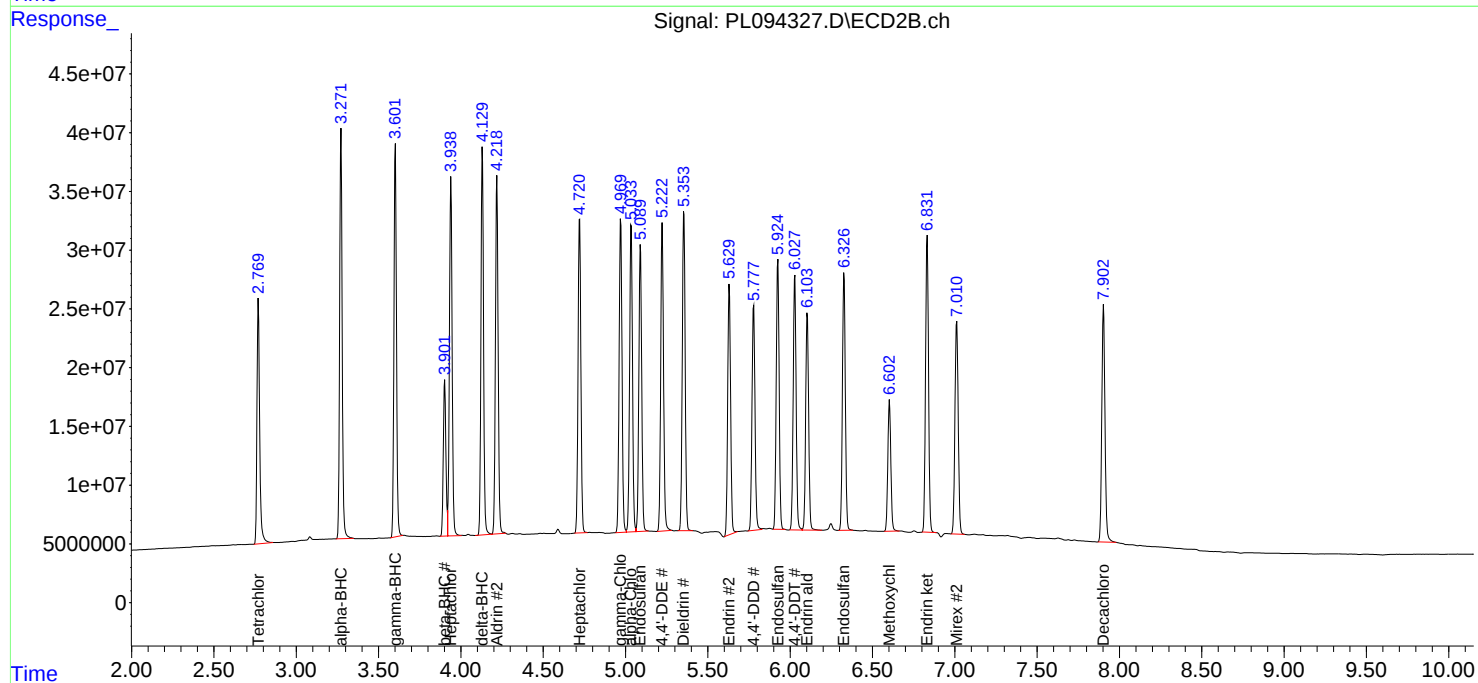
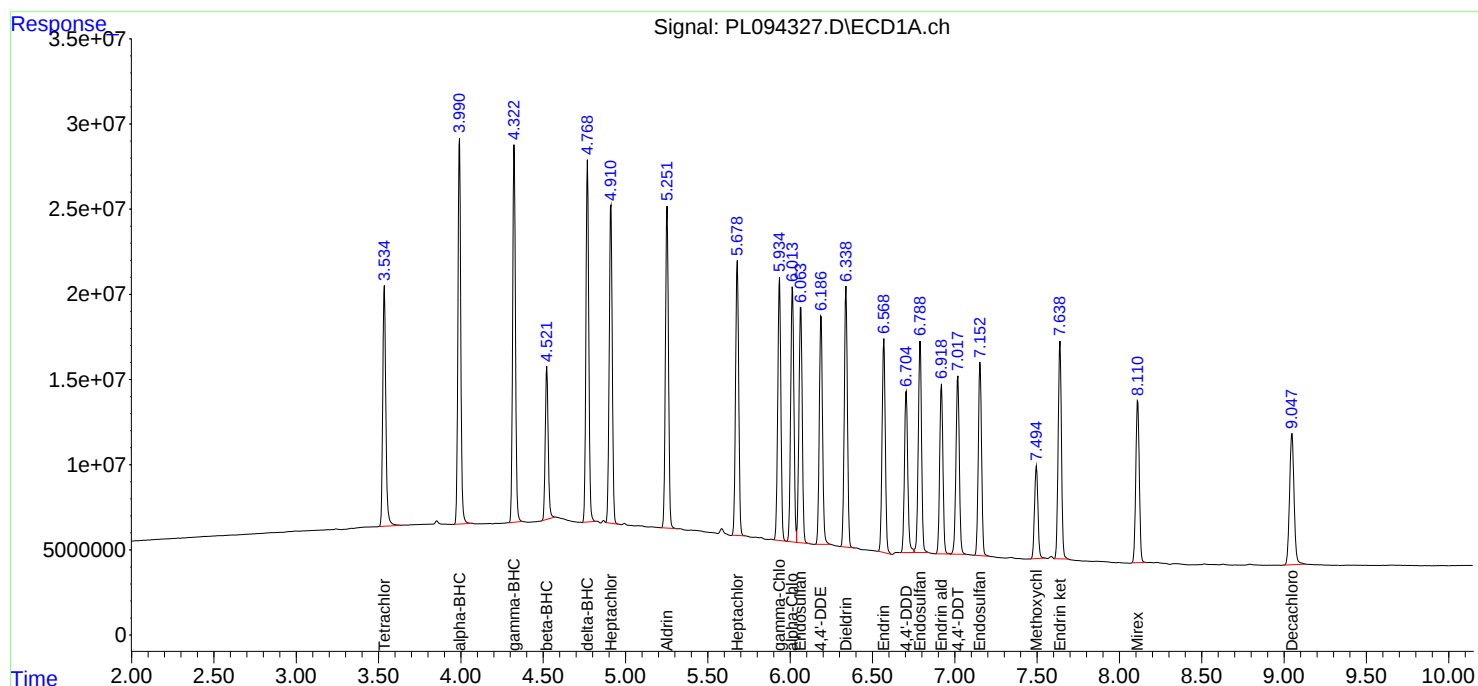
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 11:10
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: Feb 21 11:51:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 11:46:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
 Data File : PL094328.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2025 11:23
 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: Feb 21 11:46:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 11:46:00 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.770	122.2E6	156.4E6	50.000	50.000
28)	SA Decachlor...	9.049	7.904	101.5E6	184.1E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.991	3.272	181.2E6	244.3E6	50.000	50.000
3)	MA gamma-BHC...	4.324	3.602	176.8E6	232.9E6	50.000	50.000
4)	MA Heptachlor	4.912	3.940	160.4E6	231.5E6	50.000	50.000
5)	MB Aldrin	5.253	4.219	162.8E6	226.8E6	50.000	50.000
6)	B beta-BHC	4.522	3.903	74292245	95981772	50.000	50.000
7)	B delta-BHC	4.769	4.130	167.7E6	234.1E6	50.000	50.000
8)	B Heptachlo...	5.679	4.722	143.4E6	208.3E6	50.000	50.000
9)	A Endosulfan I	6.065	5.091	130.3E6	195.2E6	50.000	50.000
10)	B gamma-Chl...	5.935	4.972	137.7E6	211.6E6	50.000	50.000
11)	B alpha-Chl...	6.015	5.035	136.9E6	209.6E6	50.000	50.000
12)	B 4,4'-DDE	6.188	5.224	125.3E6	205.9E6	50.000	50.000
13)	MA Dieldrin	6.340	5.356	134.7E6	216.4E6	50.000	50.000
14)	MA Endrin	6.570	5.631	116.8E6	171.7E6	50.000	50.000
15)	B Endosulfa...	6.790	5.926	116.7E6	184.1E6	50.000	50.000
16)	A 4,4'-DDD	6.706	5.779	90515407	157.0E6	50.000	50.000
17)	MA 4,4'-DDT	7.019	6.029	101.0E6	176.5E6	50.000	50.000
18)	B Endrin al...	6.920	6.106	92370929	153.2E6	50.000	50.000
19)	B Endosulfa...	7.154	6.328	106.2E6	180.5E6	50.000	50.000
20)	A Methoxychlor	7.496	6.605	53641156	96787465	50.000	50.000
21)	B Endrin ke...	7.639	6.833	119.5E6	210.7E6	50.000	50.000
22)	Mirex	8.112	7.013	96984261	169.8E6	50.000	50.000

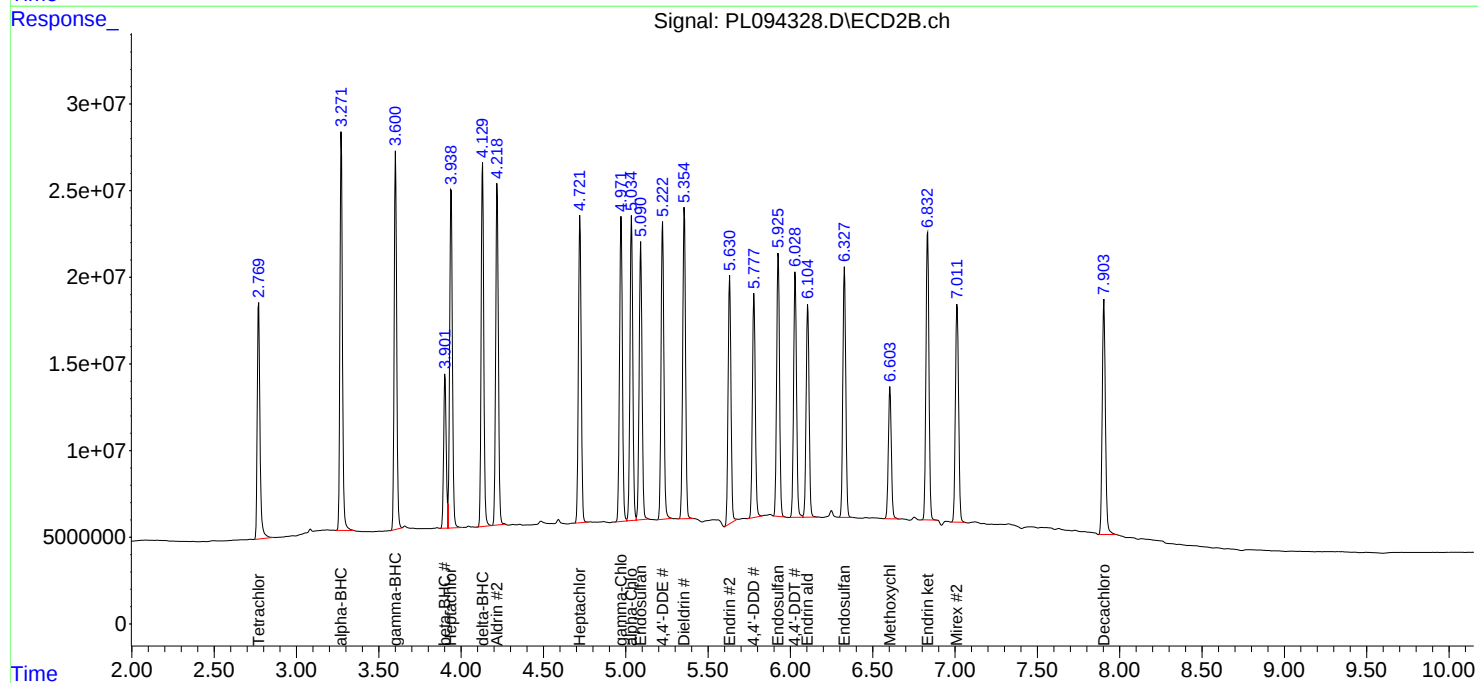
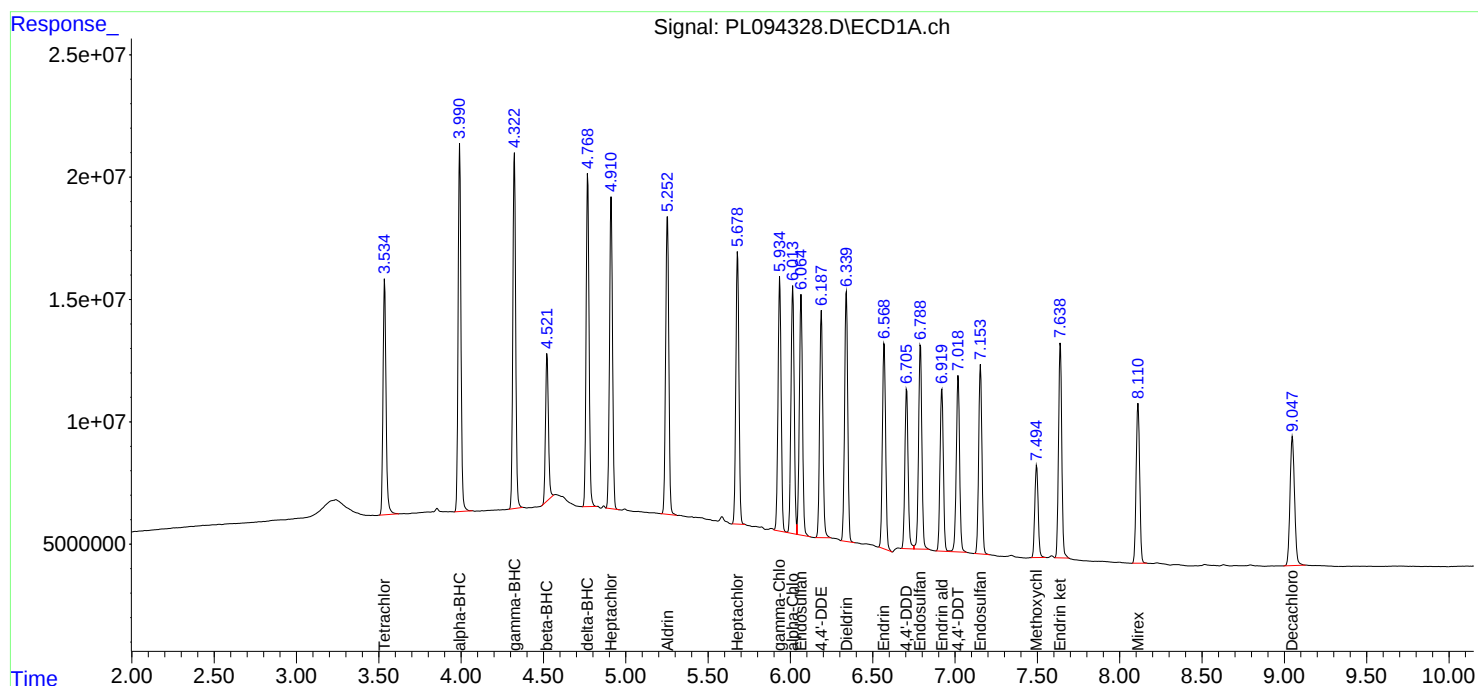
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 11:23
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: Feb 21 11:46:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 11:46:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
 Data File : PL094329.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2025 11:37
 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: Feb 21 11:53:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 11:46:00 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.771	65060344	79649212	26.243	25.170
28)	SA Decachlor...	9.049	7.905	55082778	95505363	27.100	25.783
Target Compounds							
2)	A alpha-BHC	3.992	3.273	94515519	119.7E6	25.541	24.067
3)	MA gamma-BHC...	4.325	3.604	92761866	115.2E6	25.719	24.185
4)	MA Heptachlor	4.913	3.942	86115609	117.0E6	26.324	24.801
5)	MB Aldrin	5.254	4.221	86928991	113.9E6	26.280	24.519
6)	B beta-BHC	4.524	3.904	41686104	49406972	27.118	25.366
7)	B delta-BHC	4.771	4.132	88045756	115.7E6	25.609	24.112
8)	B Heptachlo...	5.681	4.724	76876028	106.4E6	26.443	25.110
9)	A Endosulfan I	6.066	5.093	69593896	99489816	26.580	25.100
10)	B gamma-Chl...	5.937	4.974	73787635	107.5E6	26.404	24.896
11)	B alpha-Chl...	6.016	5.037	73419053	107.6E6	26.465	25.129
12)	B 4,4'-DDE	6.190	5.226	67623636	105.3E6	26.582	25.087
13)	MA Dieldrin	6.342	5.357	72547132	108.7E6	26.477	24.727
14)	MA Endrin	6.571	5.633	64078269	87471143	27.021	25.129
15)	B Endosulfa...	6.791	5.928	63395516	94176002	26.914	25.180
16)	A 4,4'-DDD	6.707	5.780	48378655	79168494	26.348	24.631
17)	MA 4,4'-DDT	7.021	6.031	53652973	88440476	26.428	24.644
18)	B Endrin al...	6.922	6.107	50501352	78974212	27.114	25.442
19)	B Endosulfa...	7.156	6.330	58130876	92670594	27.042	25.304
20)	A Methoxychlor	7.497	6.606	29029751	50159570	26.939	25.821
21)	B Endrin ke...	7.641	6.835	64585363	107.0E6	26.742	25.193
22)	Mirex	8.114	7.014	53883808	88624231	27.563	25.999

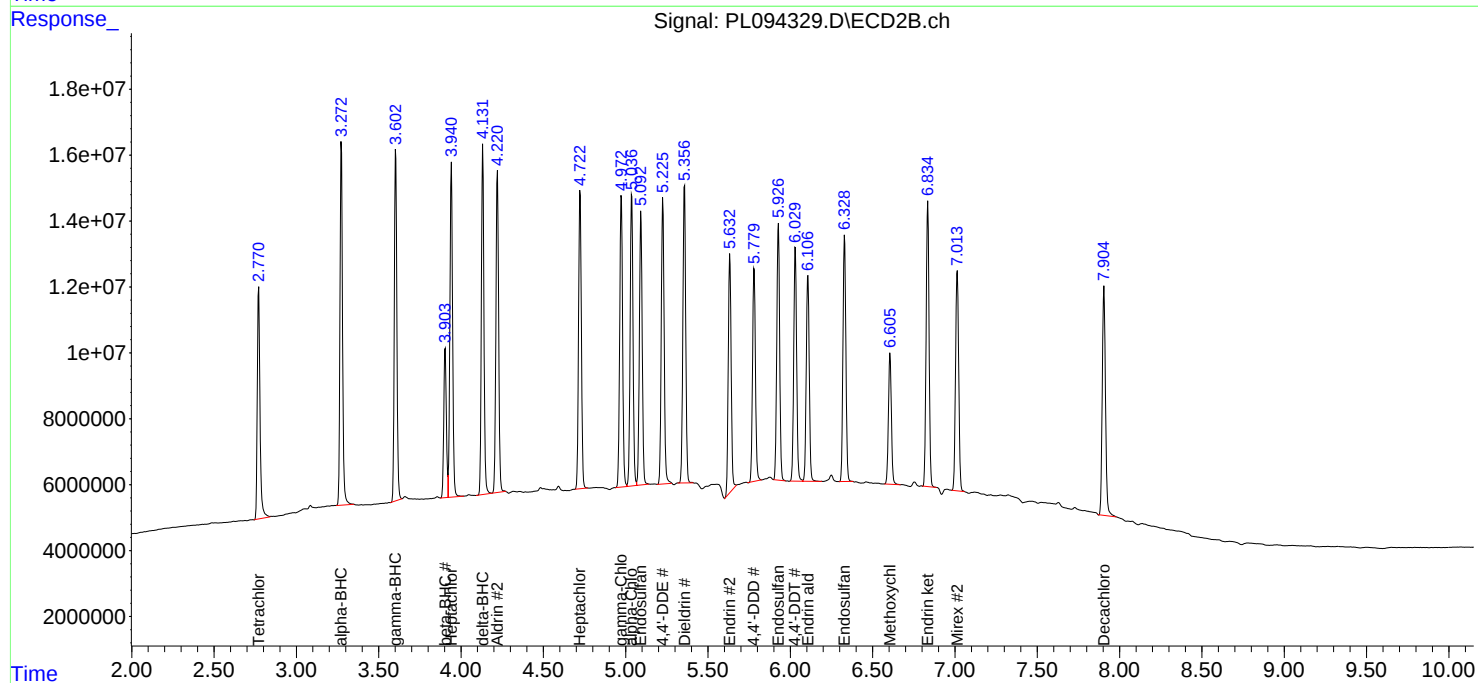
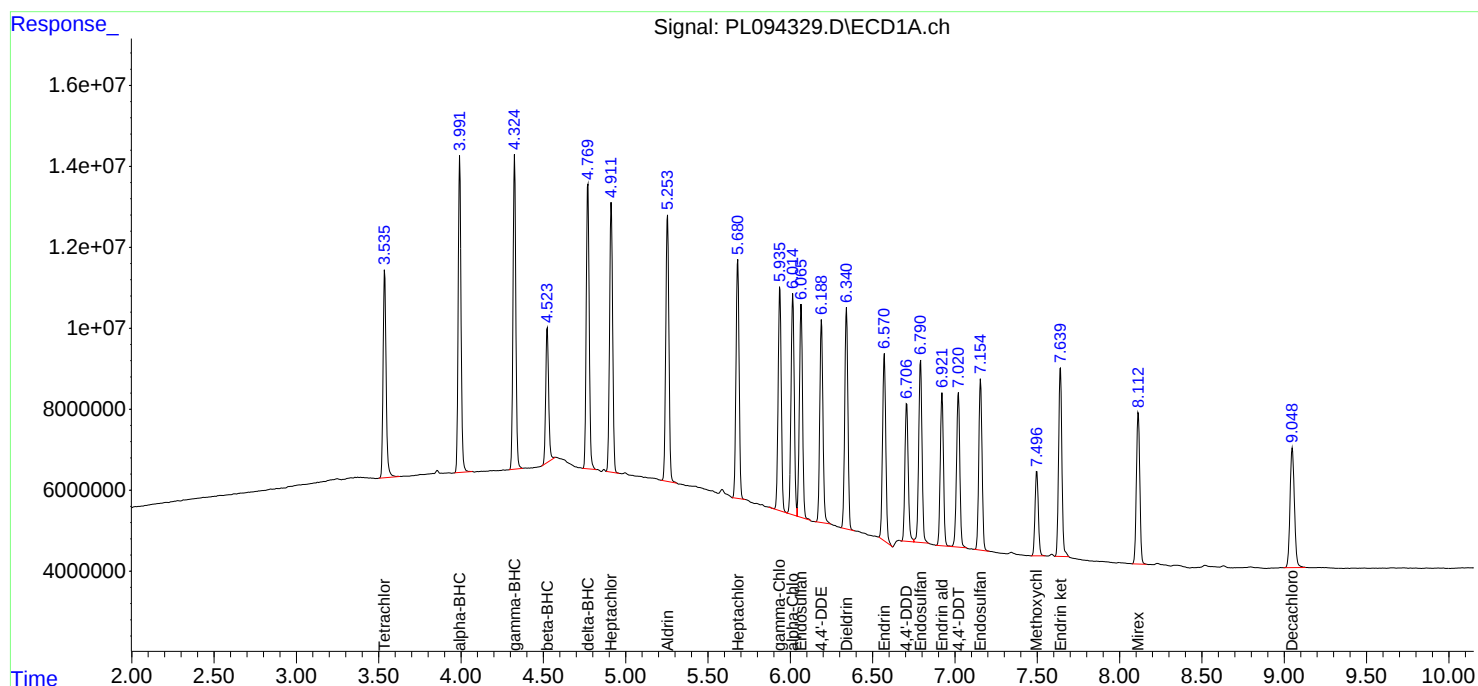
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 11:37
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: Feb 21 11:53:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 11:46:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
 Data File : PL094330.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2025 11:51
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC005

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 02/22/2025
 Supervised By : Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 21 12:05:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 12:05:01 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.536	2.770	13893921	16489455	5.472	5.167
28) SA Decachlor...	9.048	7.903	12529853	22056508	5.890	5.825
Target Compounds						
2) A alpha-BHC	3.991	3.272	20555635	23378782	5.434	4.757
3) MA gamma-BHC...	4.324	3.602	20233816	22516168	5.476	4.781
4) MA Heptachlor	4.910	3.940	19331180	23664695	5.702	5.013
5) MB Aldrin	5.252	4.219	19638030	22603672	5.722	4.892
6) B beta-BHC	4.522	3.903	9178854	10767585	5.748	5.414
7) B delta-BHC	4.769	4.130	19696306	22459963	5.567	4.743
8) B Heptachlo...	5.679	4.721	17190524	21613421	5.705	5.079
9) A Endosulfan I	6.064	5.091	16349376	20388990	5.948	5.114
10) B gamma-Chl...	5.935	4.971	17511768	22076795	5.964	5.088
11) B alpha-Chl...	6.014	5.035	16944160	22301049	5.849	5.165
12) B 4,4'-DDE	6.187	5.224	14413995	21016395	5.519	5.004
13) MA Dieldrin	6.339	5.355	16426240	21629306	5.766	4.936
14) MA Endrin	6.569	5.629	16379313	15500218	6.418	4.563m#
15) B Endosulfa...	6.789	5.925	15821204	18687102	6.285	4.997
16) A 4,4'-DDD	6.705	5.778	9520371	15348463	5.147	4.819
17) MA 4,4'-DDT	7.019	6.028	11898212	17151631	5.666	4.822
18) B Endrin al...	6.919	6.105	11418647	16928007	5.865	5.356
19) B Endosulfa...	7.153	6.328	13602762	19096639	6.009	5.170
20) A Methoxychlor	7.495	6.603	6223633	9924447	5.602	5.087
21) B Endrin ke...	7.637	6.833	14369746	21715057	5.719m	5.088
22) Mirex	8.111	7.012	12483245	19001728	6.050	5.449

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 11:51
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

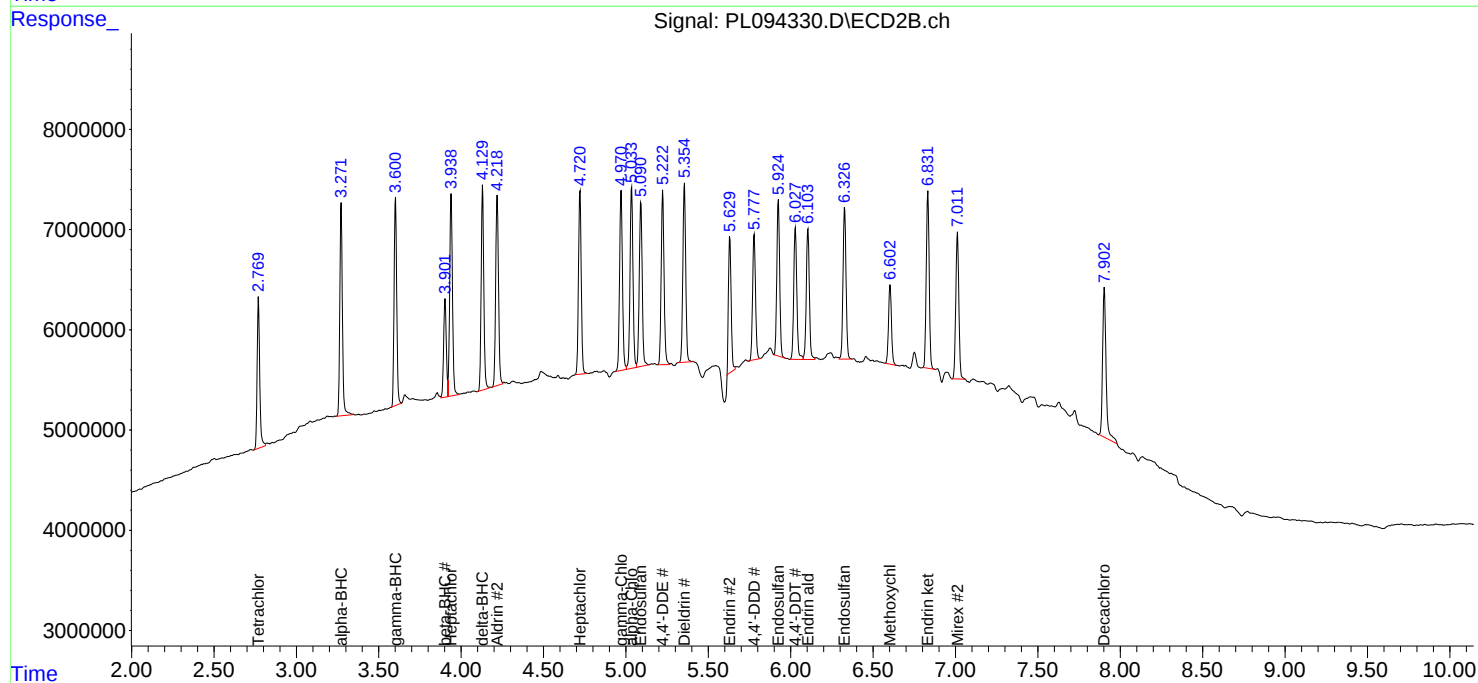
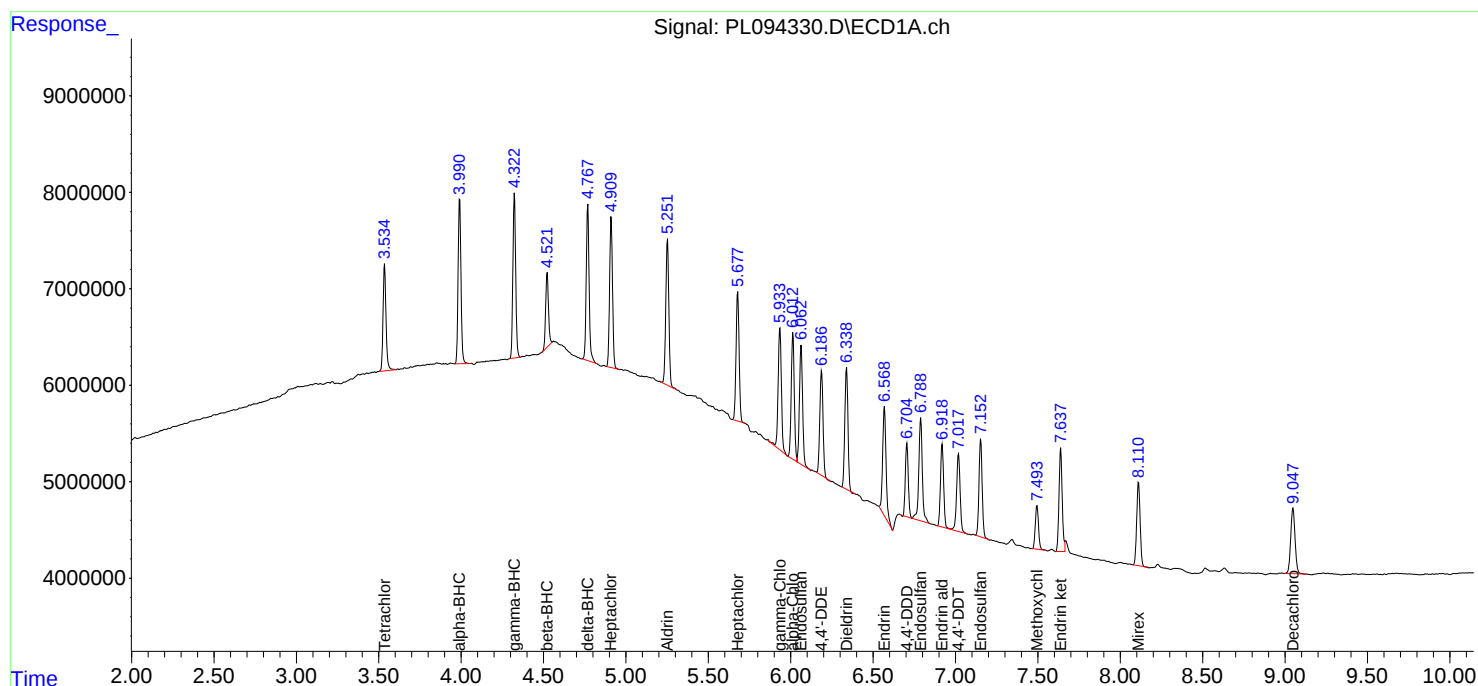
APPROVED

Reviewed By :Abdul Mirza 02/22/2025

Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 12:05:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 12:05:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
 Data File : PL094333.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2025 12:32
 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: Feb 21 13:07:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 13:07:33 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.769	124.0E6	193.5E6	50.000	50.000
28)	SA Decachlor...	9.048	7.903	102.9E6	189.5E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.695	3.765	61431327	66942088	500.000	500.000
24)	Chlordane-2	5.225	4.342	61194663	76300761	500.000	500.000
25)	Chlordane-3	5.935	4.971	209.0E6	235.5E6	500.000	500.000
26)	Chlordane-4	6.017	5.034	251.5E6	230.8E6	500.000	500.000
27)	Chlordane-5	6.866	5.929	48579793	80746470	500.000	500.000

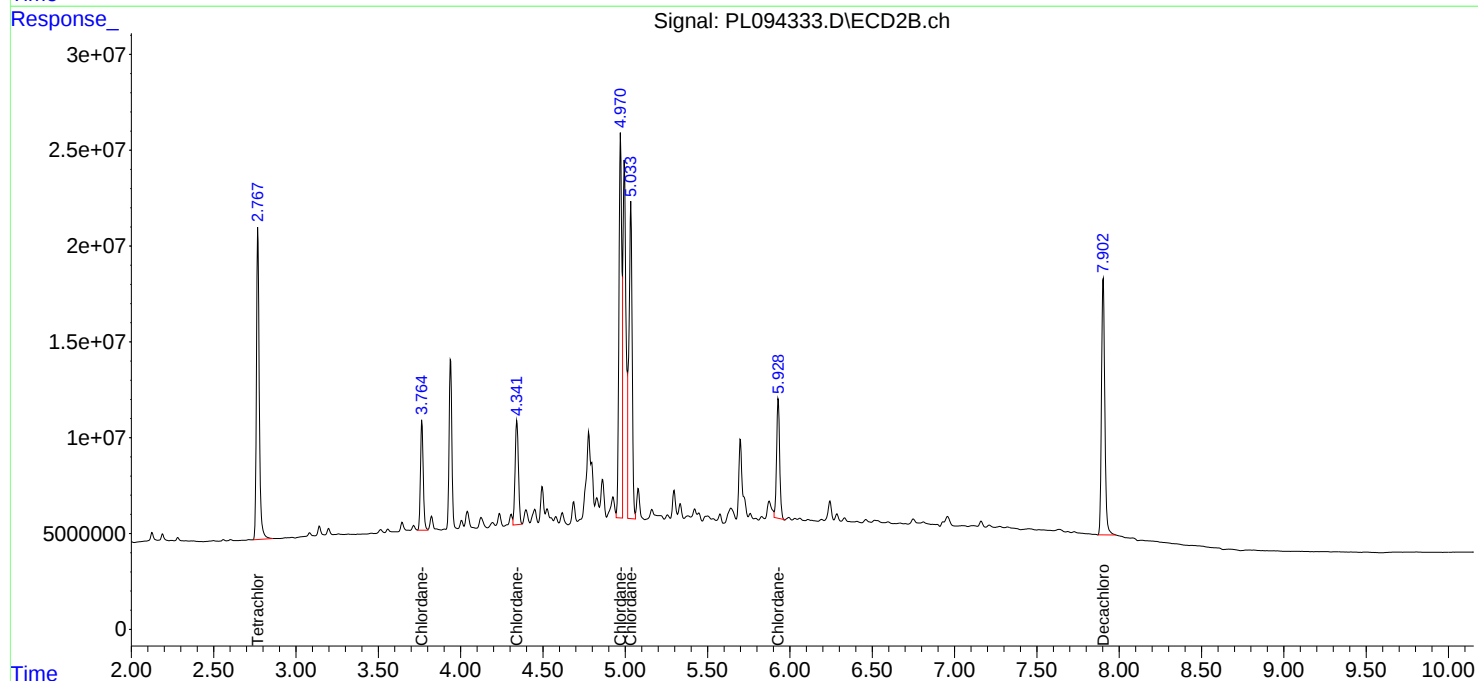
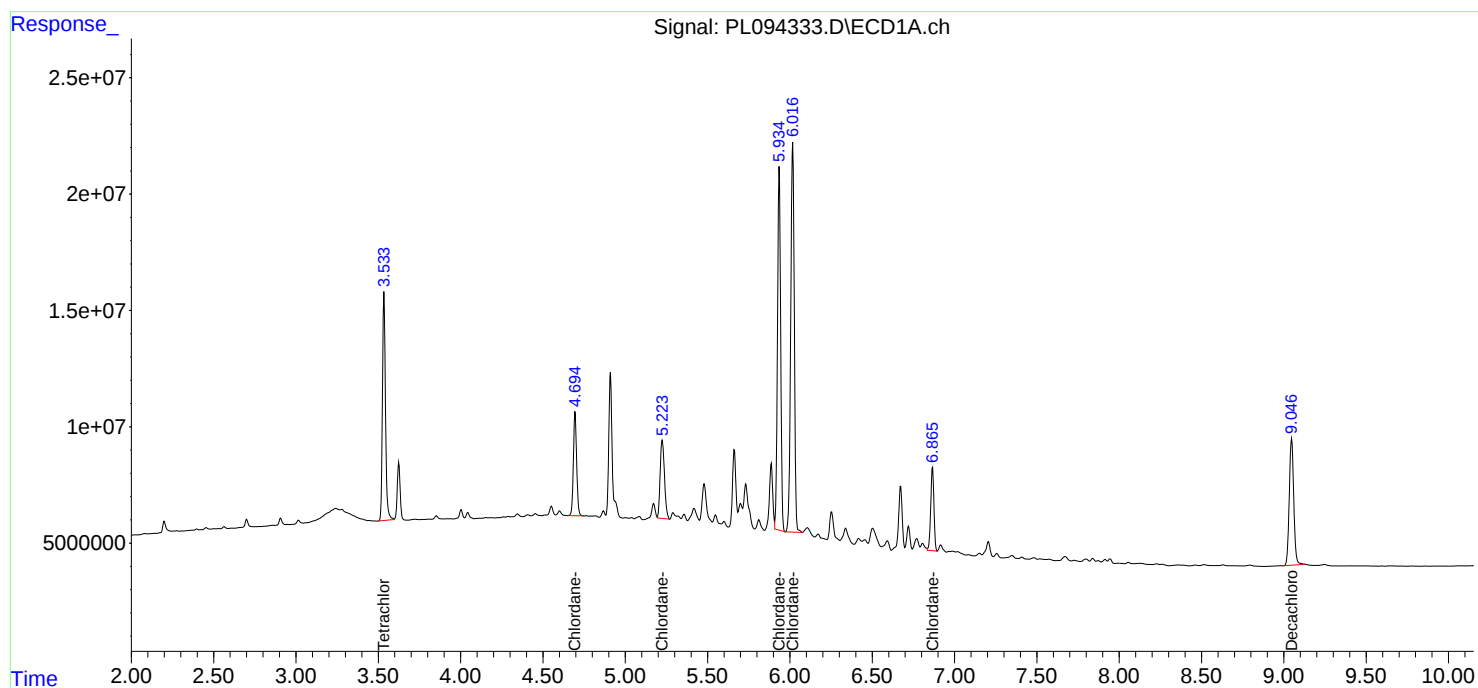
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 12:32
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: Feb 21 13:07:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 13:07:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
 Data File : PL094338.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2025 13:40
 Operator : AR\AJ
 Sample : PTOXICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PTOXICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 21 13:50:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 13:50:19 2025
 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...	3.536	2.770	129.5E6	167.2E6	50.000	50.000
7) SA Decachlor...	9.048	7.904	109.7E6	205.2E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.232	4.996	13751314	13759846	500.000	500.000
3) Toxaphene-2	6.436	5.321	7877776	13319380	500.000	500.000
4) Toxaphene-3	7.054	5.679	42845805	14148921	500.000	500.000
5) Toxaphene-4	7.145	6.593	32072265	49236853	500.000	500.000
6) Toxaphene-5	7.929	7.034	24016646	45355859	500.000	500.000

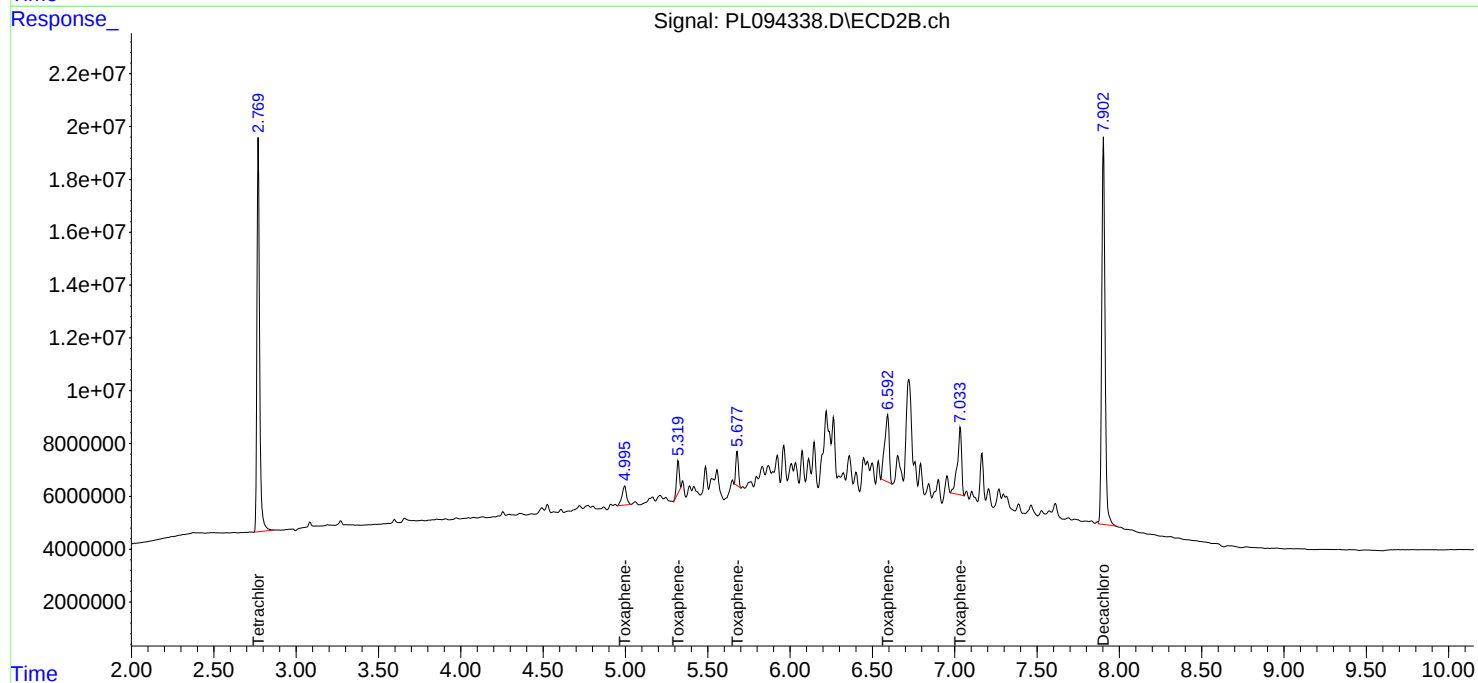
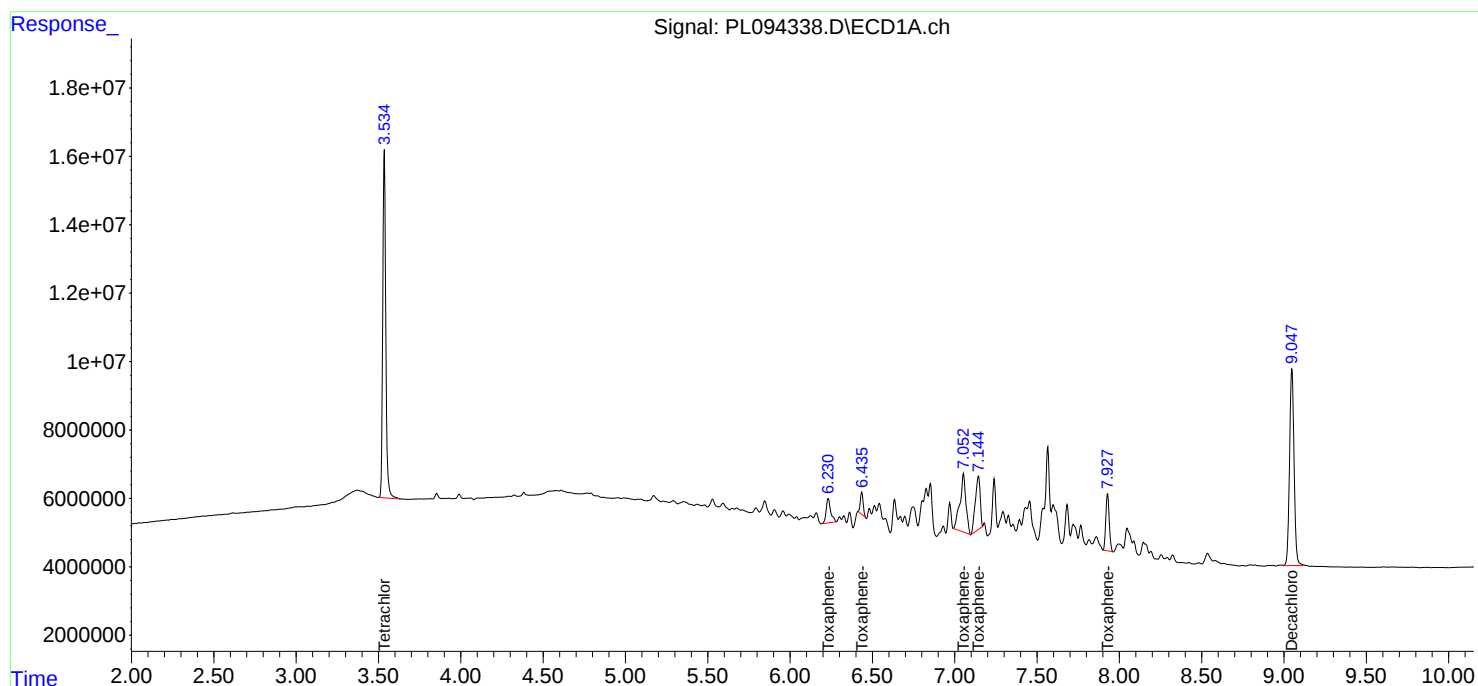
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094338.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 13:40
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 13:50:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 13:50:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
 Data File : PL094341.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2025 14:21
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL022125

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 21 14:32:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 13:20:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.770	125.3E6	160.2E6	49.332	50.198
28)	SA Decachlor...	9.048	7.903	104.4E6	192.1E6	49.067	49.959
Target Compounds							
2)	A alpha-BHC	3.991	3.272	182.8E6	245.9E6	48.332	50.024
3)	MA gamma-BHC...	4.324	3.602	177.5E6	236.5E6	48.049	50.204
4)	MA Heptachlor	4.912	3.940	162.1E6	234.3E6	47.801	49.644
5)	MB Aldrin	5.253	4.219	163.7E6	230.4E6	47.704	49.870
6)	B beta-BHC	4.522	3.902	76902959	97477097	48.158	49.010
7)	B delta-BHC	4.769	4.131	168.5E6	236.5E6	47.620	49.943
8)	B Heptachlo...	5.679	4.722	145.4E6	211.6E6	48.264	49.726
9)	A Endosulfan I	6.065	5.091	130.9E6	197.8E6	47.632	49.622
10)	B gamma-Chl...	5.935	4.971	139.8E6	214.3E6	47.613	49.397
11)	B alpha-Chl...	6.014	5.035	138.3E6	212.5E6	47.722	49.224
12)	B 4,4'-DDE	6.188	5.224	127.4E6	208.9E6	48.794	49.735
13)	MA Dieldrin	6.340	5.355	136.9E6	218.4E6	48.039	49.843
14)	MA Endrin	6.569	5.631	117.5E6	179.7E6	46.047	52.790
15)	B Endosulfa...	6.789	5.925	118.8E6	188.2E6	47.210	50.319
16)	A 4,4'-DDD	6.706	5.778	94271390	163.0E6	50.964	51.166
17)	MA 4,4'-DDT	7.019	6.028	101.7E6	177.7E6	48.408	49.956
18)	B Endrin al...	6.920	6.105	94484564	156.0E6	48.533	49.346
19)	B Endosulfa...	7.154	6.328	108.2E6	183.2E6	47.813	49.608
20)	A Methoxychlor	7.495	6.603	54707974	97368906	49.240	49.907
21)	B Endrin ke...	7.639	6.832	122.7E6	217.0E6	48.927	50.847
22)	Mirex	8.111	7.011	99634258	175.8E6	48.289	50.404

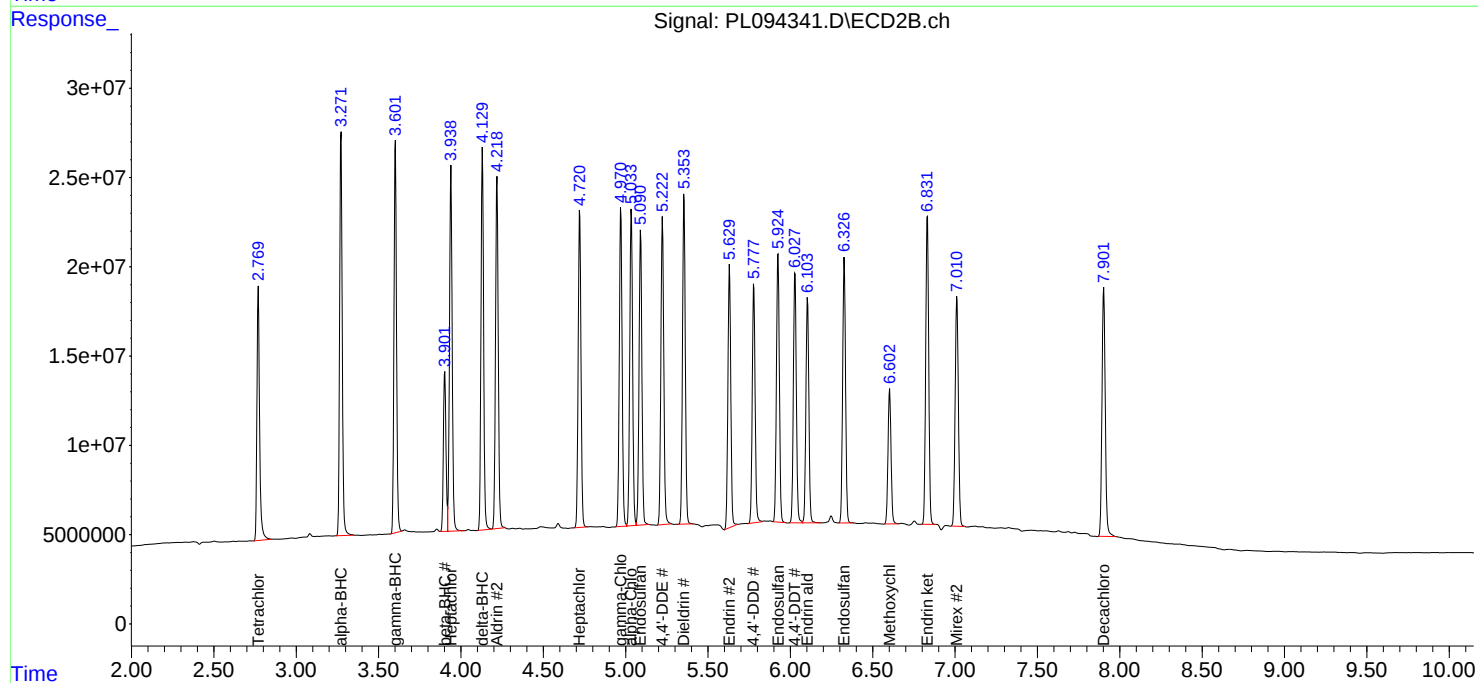
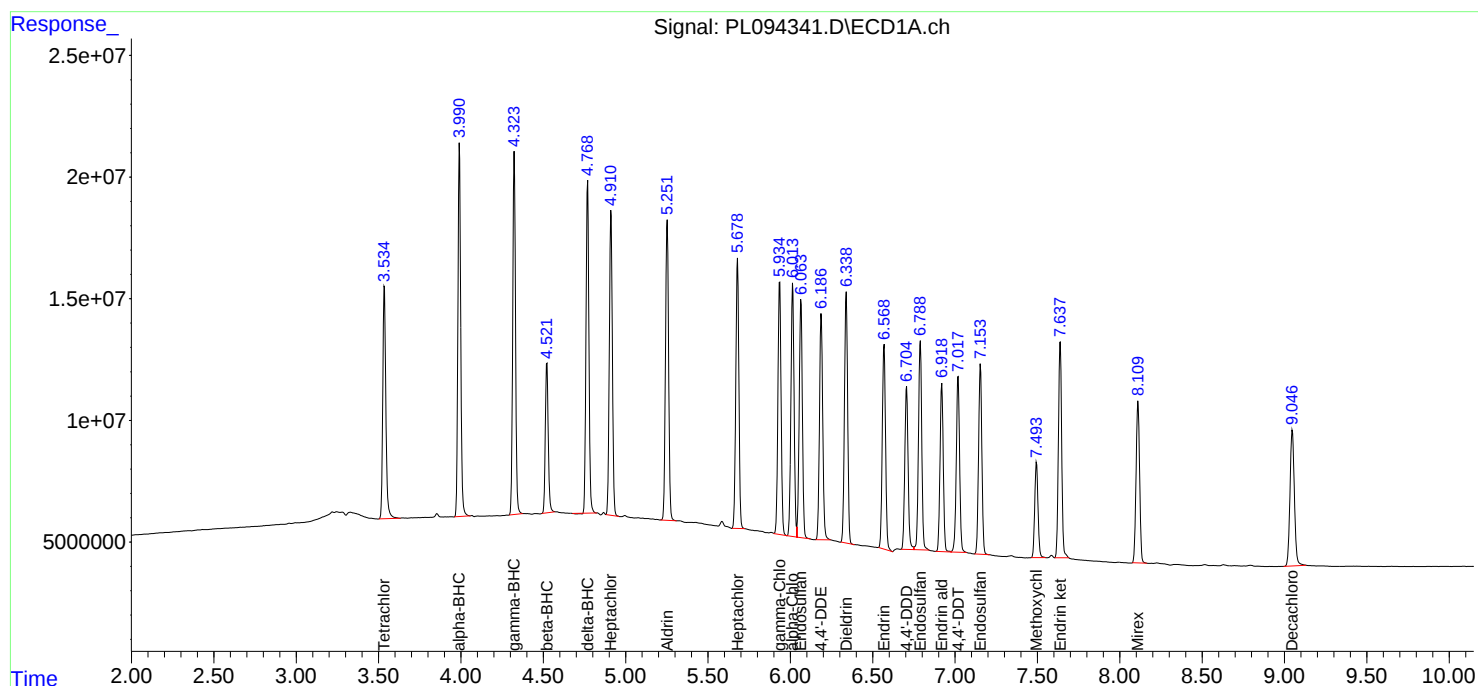
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 14:21
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL022125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 14:32:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 13:20:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
 Data File : PL094342.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2025 14:35
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL022125

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 02/22/2025
 Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 21 14:49:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 14:49:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.769	126.2E6	199.1E6	50.780	52.008
28)	SA Decachlor...	9.049	7.903	105.2E6	197.7E6	49.417	50.738
Target Compounds							
23)	Chlordane-1	4.696	3.764	61510070	68909886	491.850	507.385m
24)	Chlordane-2	5.224	4.342	65293665	78335645	520.646m	496.814
25)	Chlordane-3	5.936	4.970	212.8E6	225.7E6	485.954	475.163m
26)	Chlordane-4	6.017	5.034	255.9E6	229.9E6	482.826	489.132
27)	Chlordane-5	6.865	5.929	48895979	83171453	494.599m	507.990

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094342.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 14:35
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

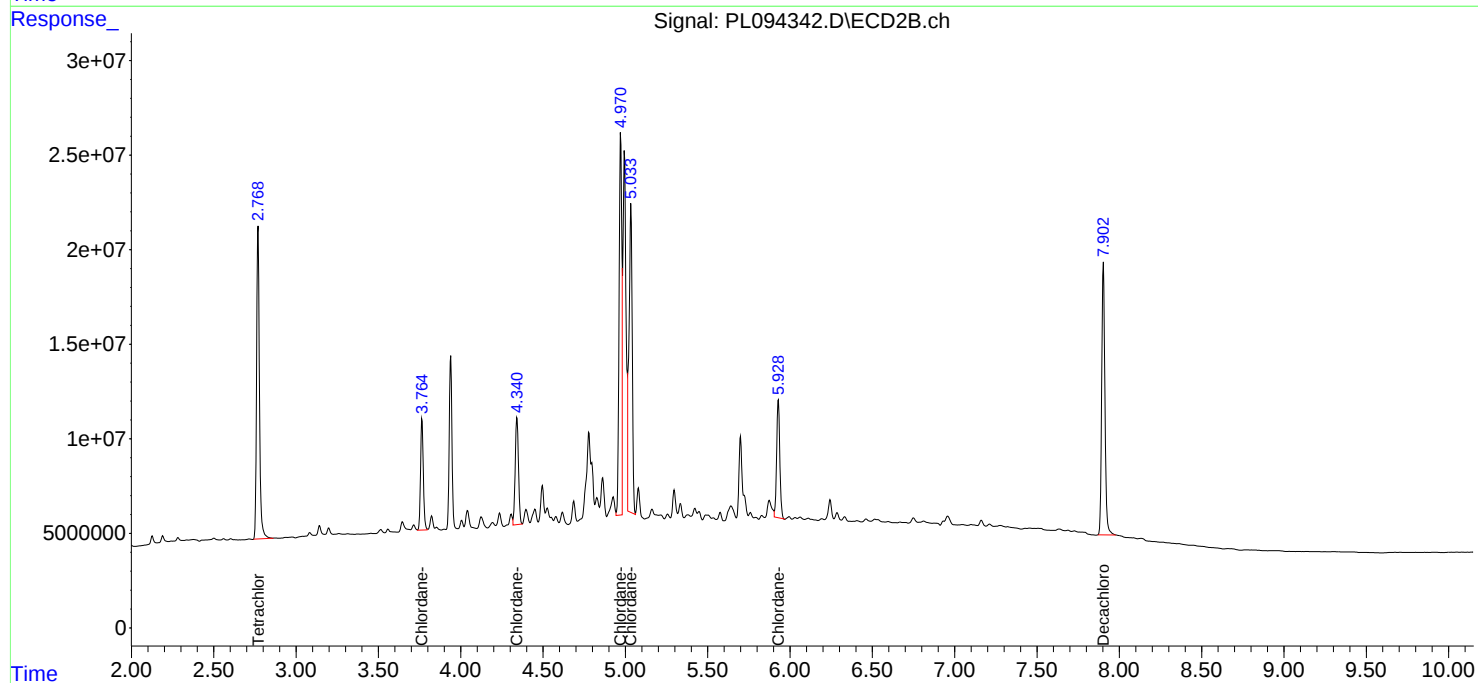
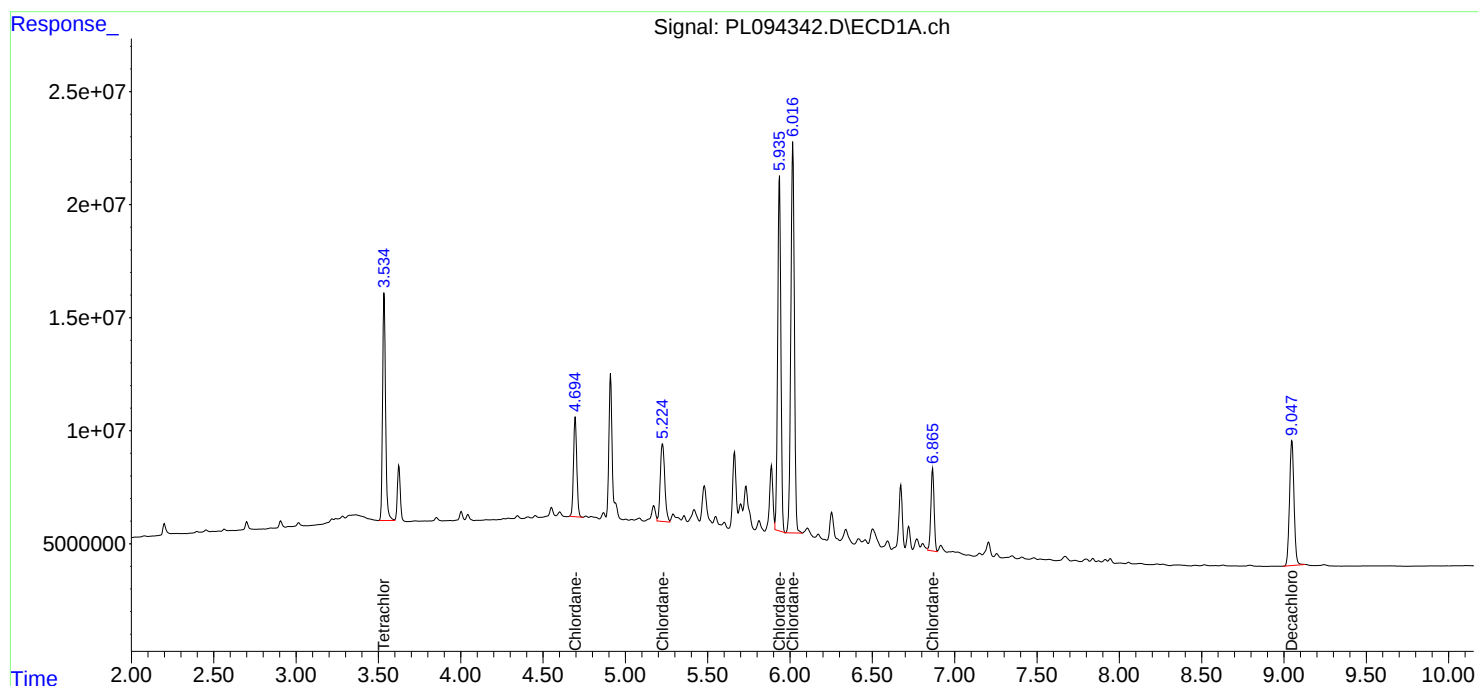
Instrument :
ECD_L
ClientSampleId :
ICVPL022125

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/22/2025
Supervised By : Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 14:49:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:49:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
 Data File : PL094343.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2025 15:02
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL022125

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 21 15:11:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 14:16:04 2025
 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...	3.536	2.770	131.6E6	171.8E6	50.857	52.266
7) SA Decachlor...	9.048	7.903	110.4E6	212.0E6	50.119	52.130
Target Compounds						
2) Toxaphene-1	6.231	4.995	13475463	14464757	507.476	513.403
3) Toxaphene-2	6.436	5.320	8372051	13513210	520.108	506.069
4) Toxaphene-3	7.053	5.679	42828786	14094688	510.749	510.629
5) Toxaphene-4	7.144	6.592	32429145	49988187	513.345	525.849
6) Toxaphene-5	7.928	7.034	24114114	47213791	510.091	527.626

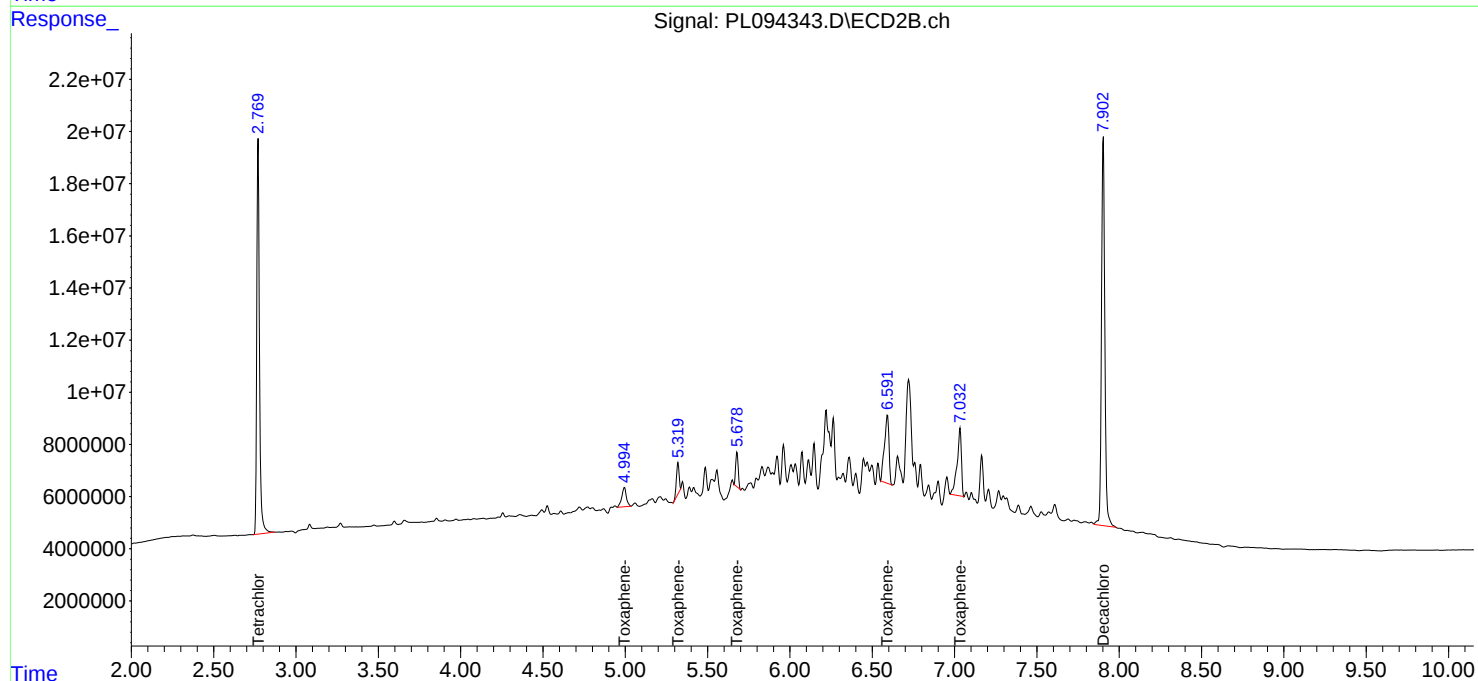
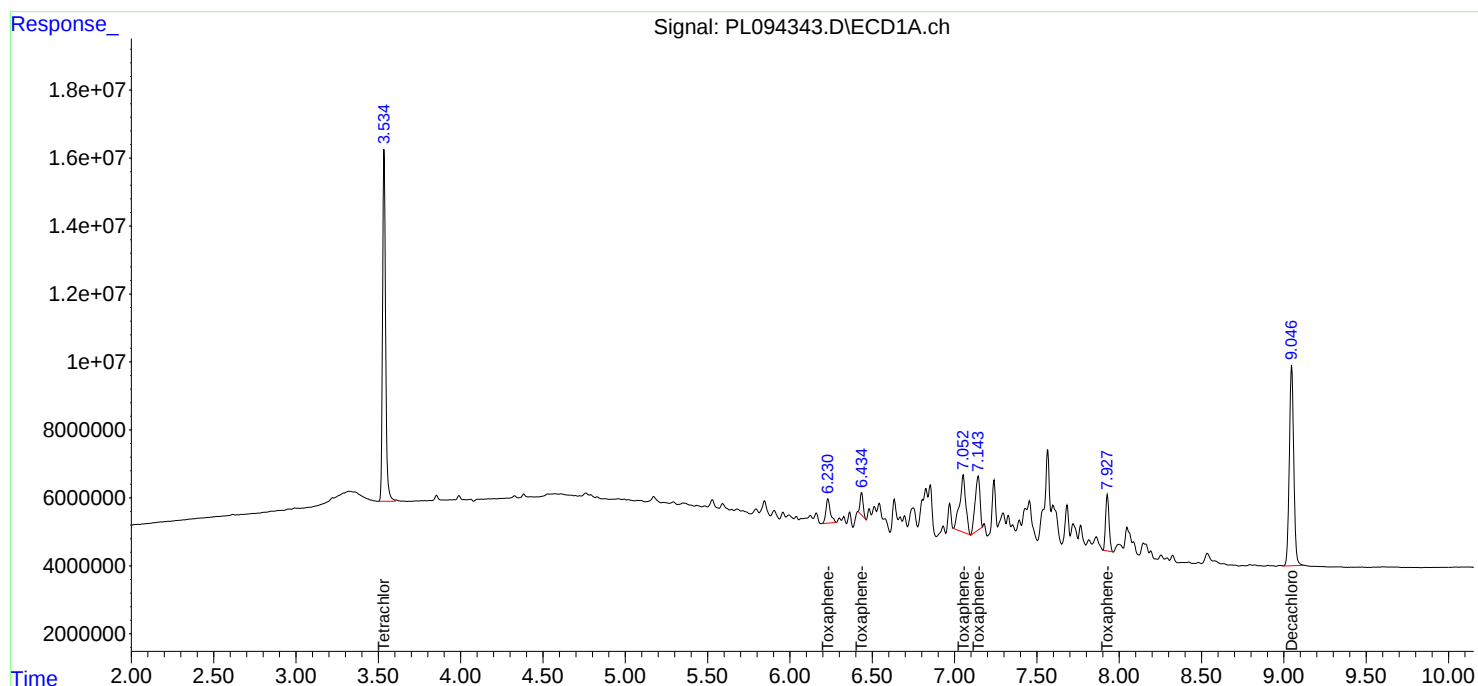
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094343.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 15:02
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL022125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 15:11:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:16:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm





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

CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487 SAS No.: Q1487 SDG NO.: Q1487

Continuing Calib Date: 03/05/2025 Initial Calibration Date(s): 02/21/2025 02/21/2025

Continuing Calib Time: 09:25 Initial Calibration Time(s): 10:56 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.53	4.52	4.42	4.62	-0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.32	4.22	4.42	-0.01
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.26	5.25	5.15	5.35	-0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.15	7.05	7.25	-0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487 SAS No.: Q1487 SDG NO.: Q1487

Continuing Calib Date: 03/05/2025 Initial Calibration Date(s): 02/21/2025 02/21/2025

Continuing Calib Time: 09:25 Initial Calibration Time(s): 10:56 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.91	7.90	7.80	8.00	-0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.27	3.17	3.37	0.00
beta-BHC	3.90	3.90	3.80	4.00	0.00
delta-BHC	4.13	4.13	4.03	4.23	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Aldrin	4.22	4.22	4.12	4.32	0.00
Heptachlor epoxide	4.72	4.72	4.62	4.82	0.00
Endosulfan I	5.09	5.09	4.99	5.19	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.22	5.22	5.12	5.32	0.00
Endrin	5.63	5.63	5.53	5.73	0.00
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.83	6.83	6.73	6.93	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.97	4.97	4.87	5.07	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487 SAS No.: Q1487 SDG NO.: Q1487

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No.: CCAL01 Date Analyzed: 03/05/2025

Lab Sample No.: PSTDCCC050 Data File : PL094499.D Time Analyzed: 09:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.709	6.606	6.806	56.100	50.000	12.2
4,4'-DDE	6.191	6.088	6.288	52.160	50.000	4.3
4,4'-DDT	7.022	6.919	7.119	51.890	50.000	3.8
Aldrin	5.255	5.153	5.353	50.110	50.000	0.2
alpha-BHC	3.994	3.891	4.091	50.090	50.000	0.2
alpha-Chlordane	6.017	5.915	6.115	50.460	50.000	0.9
beta-BHC	4.525	4.422	4.622	49.600	50.000	-0.8
Decachlorobiphenyl	9.054	8.949	9.149	48.110	50.000	-3.8
delta-BHC	4.772	4.669	4.869	50.940	50.000	1.9
Dieldrin	6.343	6.240	6.440	50.200	50.000	0.4
Endosulfan I	6.068	5.965	6.165	50.060	50.000	0.1
Endosulfan II	6.793	6.690	6.890	47.610	50.000	-4.8
Endosulfan sulfate	7.158	7.054	7.254	48.590	50.000	-2.8
Endrin	6.571	6.470	6.670	46.480	50.000	-7.0
Endrin aldehyde	6.923	6.820	7.020	50.470	50.000	0.9
Endrin ketone	7.643	7.539	7.739	49.010	50.000	-2.0
gamma-BHC (Lindane)	4.327	4.224	4.424	50.010	50.000	0.0
gamma-Chlordane	5.939	5.835	6.035	49.900	50.000	-0.2
Heptachlor	4.914	4.812	5.012	50.590	50.000	1.2
Heptachlor epoxide	5.682	5.579	5.779	51.910	50.000	3.8
Methoxychlor	7.499	7.396	7.596	51.120	50.000	2.2
Tetrachloro-m-xylene	3.538	3.435	3.635	51.300	50.000	2.6



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CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487 SAS No.: Q1487 SDG NO.: Q1487

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No.: CCAL01 Date Analyzed: 03/05/2025

Lab Sample No.: PSTDCCC050 Data File : PL094499.D Time Analyzed: 09:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.781	5.679	5.879	55.380	50.000	10.8
4,4'-DDE	5.224	5.124	5.324	52.050	50.000	4.1
4,4'-DDT	6.030	5.929	6.129	53.060	50.000	6.1
Aldrin	4.221	4.119	4.319	51.640	50.000	3.3
alpha-BHC	3.274	3.172	3.372	50.610	50.000	1.2
alpha-Chlordane	5.037	4.935	5.135	49.990	50.000	0.0
beta-BHC	3.904	3.803	4.003	50.800	50.000	1.6
Decachlorobiphenyl	7.905	7.804	8.004	47.360	50.000	-5.3
delta-BHC	4.132	4.030	4.230	51.240	50.000	2.5
Dieldrin	5.357	5.256	5.456	51.290	50.000	2.6
Endosulfan I	5.093	4.991	5.191	40.290	50.000	-19.4
Endosulfan II	5.927	5.826	6.026	52.950	50.000	5.9
Endosulfan sulfate	6.330	6.228	6.428	50.740	50.000	1.5
Endrin	5.632	5.531	5.731	58.680	50.000	17.4
Endrin aldehyde	6.107	6.006	6.206	50.810	50.000	1.6
Endrin ketone	6.834	6.733	6.933	53.800	50.000	7.6
gamma-BHC (Lindane)	3.604	3.502	3.702	51.430	50.000	2.9
gamma-Chlordane	4.973	4.872	5.072	50.330	50.000	0.7
Heptachlor	3.941	3.840	4.040	50.810	50.000	1.6
Heptachlor epoxide	4.723	4.622	4.822	50.470	50.000	0.9
Methoxychlor	6.606	6.505	6.705	52.050	50.000	4.1
Tetrachloro-m-xylene	2.771	2.670	2.870	51.240	50.000	2.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
 Data File : PL094499.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Mar 2025 09:25
 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: Mar 06 00:51:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 14:52:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.771	130.2E6	163.5E6	51.297	51.236
28)	SA Decachlor...	9.054	7.905	102.4E6	182.1E6	48.114	47.362
Target Compounds							
2)	A alpha-BHC	3.994	3.274	189.5E6	248.7E6	50.089	50.605
3)	MA gamma-BHC...	4.327	3.604	184.8E6	242.2E6	50.007	51.426
4)	MA Heptachlor	4.914	3.941	171.5E6	239.8E6	50.587	50.810
5)	MB Aldrin	5.255	4.221	172.0E6	238.6E6	50.113	51.635
6)	B beta-BHC	4.525	3.904	79211578	101.0E6	49.603	50.799
7)	B delta-BHC	4.772	4.132	180.3E6	242.7E6	50.945	51.240
8)	B Heptachlo...	5.682	4.723	156.4E6	214.8E6	51.913	50.468
9)	A Endosulfan I	6.068	5.093	137.6E6	160.6E6	50.057	40.290
10)	B gamma-Chl...	5.939	4.973	146.5E6	218.4E6	49.897	50.331
11)	B alpha-Chl...	6.017	5.037	146.2E6	215.8E6	50.460	49.993
12)	B 4,4'-DDE	6.191	5.224	136.2E6	218.6E6	52.156	52.048m
13)	MA Dieldrin	6.343	5.357	143.0E6	224.7E6	50.200	51.290
14)	MA Endrin	6.571	5.632	118.6E6	199.8E6	46.476m	58.679 #
15)	B Endosulfa...	6.793	5.927	119.8E6	198.0E6	47.611	52.950m
16)	A 4,4'-DDD	6.709	5.781	103.8E6	176.4E6	56.102	55.376
17)	MA 4,4'-DDT	7.022	6.030	109.0E6	188.7E6	51.890	53.059
18)	B Endrin al...	6.923	6.107	98259289	160.6E6	50.472	50.805
19)	B Endosulfa...	7.158	6.330	110.0E6	187.4E6	48.589	50.743
20)	A Methoxychlor	7.499	6.606	56794127	101.6E6	51.118	52.052
21)	B Endrin ke...	7.643	6.834	122.9E6	229.6E6	49.014	53.801m
22)	Mirex	8.115	7.015	97095530	179.5E6	47.058	51.481

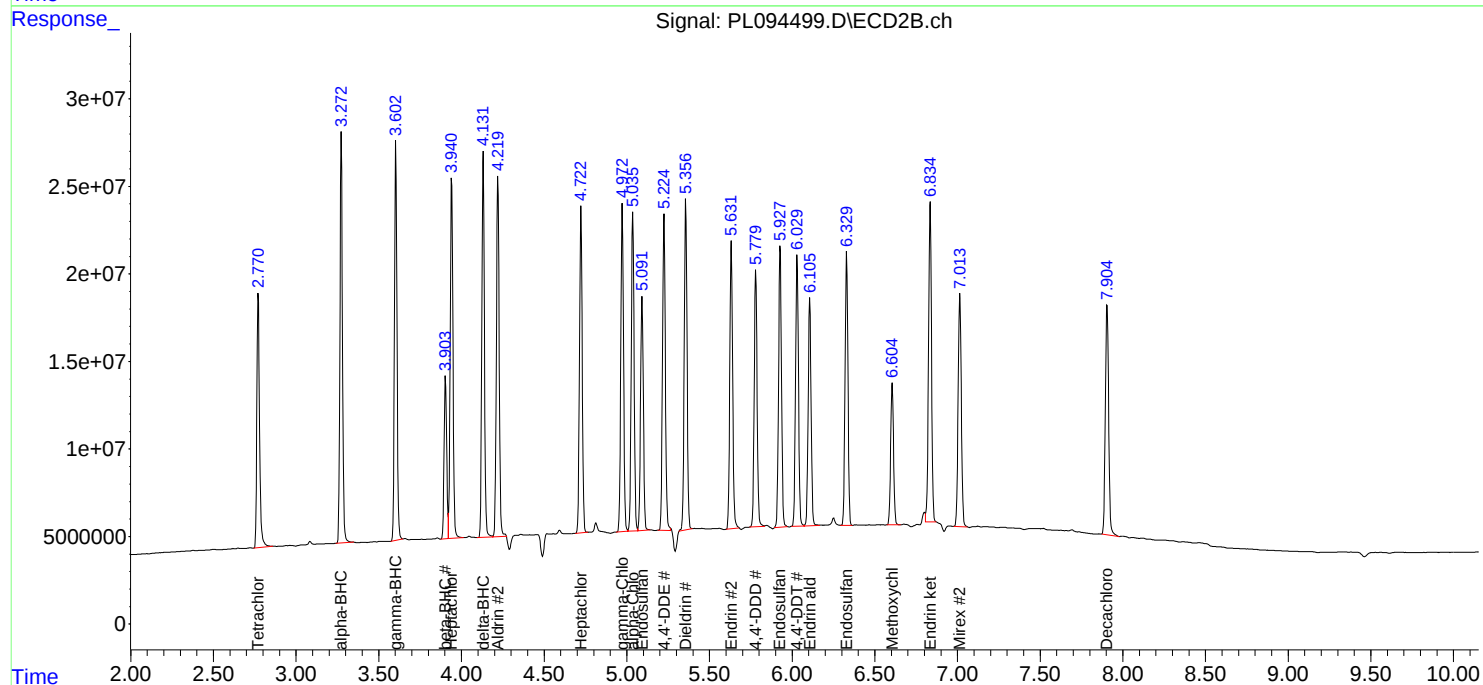
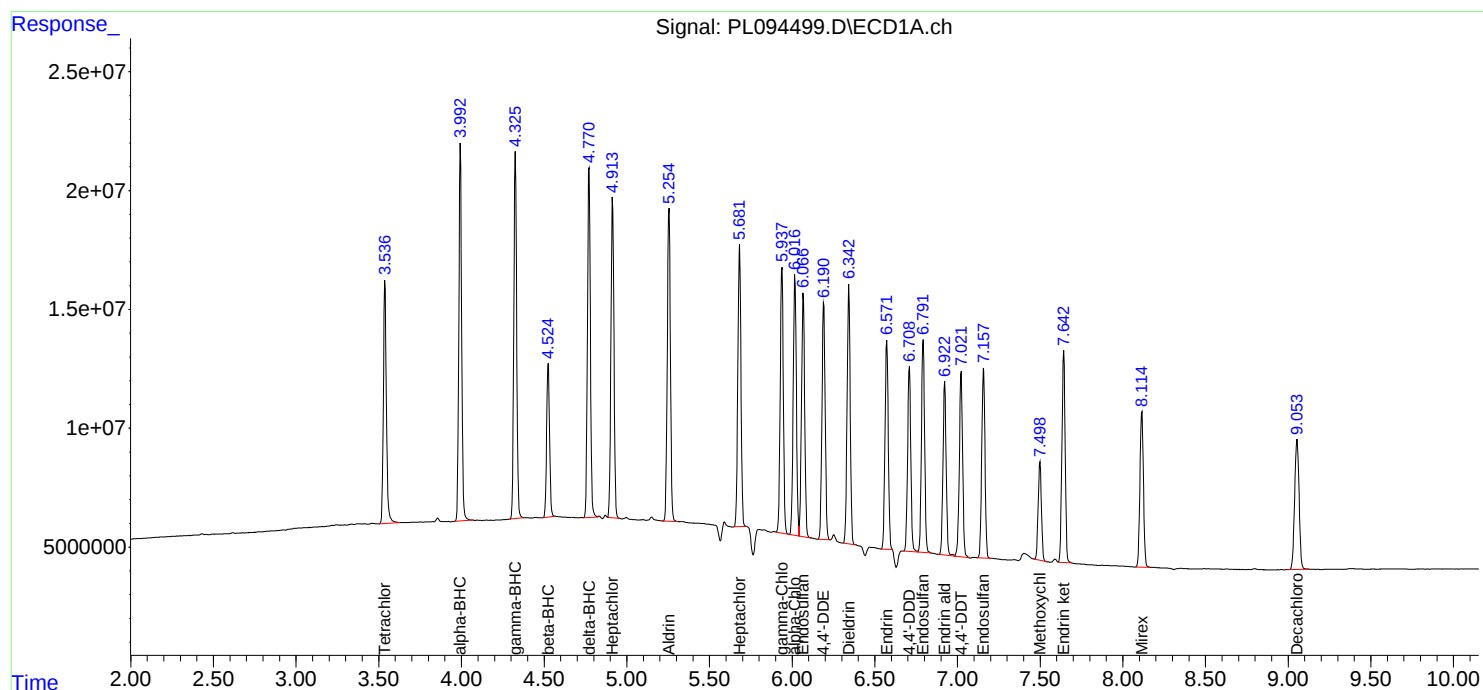
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
Data File : PL094499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Mar 2025 09:25
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: Mar 06 00:51:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





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CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487 SAS No.: Q1487 SDG NO.: Q1487

Continuing Calib Date: 03/05/2025 Initial Calibration Date(s): 02/21/2025 02/21/2025

Continuing Calib Time: 17:46 Initial Calibration Time(s): 10:56 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.32	4.22	4.42	0.00
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.26	5.25	5.15	5.35	-0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.15	7.05	7.25	-0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487 SAS No.: Q1487 SDG NO.: Q1487

Continuing Calib Date: 03/05/2025 Initial Calibration Date(s): 02/21/2025 02/21/2025

Continuing Calib Time: 17:46 Initial Calibration Time(s): 10:56 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.91	7.90	7.80	8.00	-0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.27	3.17	3.37	0.00
beta-BHC	3.90	3.90	3.80	4.00	0.00
delta-BHC	4.13	4.13	4.03	4.23	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Aldrin	4.22	4.22	4.12	4.32	0.00
Heptachlor epoxide	4.72	4.72	4.62	4.82	0.00
Endosulfan I	5.09	5.09	4.99	5.19	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.22	5.22	5.12	5.32	0.00
Endrin	5.63	5.63	5.53	5.73	0.00
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.83	6.83	6.73	6.93	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.97	4.97	4.87	5.07	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487 SAS No.: Q1487 SDG NO.: Q1487

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No.: CCAL02 Date Analyzed: 03/05/2025

Lab Sample No.: PSTDCCC050 Data File : PL094511.D Time Analyzed: 17:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.709	6.606	6.806	57.700	50.000	15.4
4,4'-DDE	6.190	6.088	6.288	53.060	50.000	6.1
4,4'-DDT	7.022	6.919	7.119	53.180	50.000	6.4
Aldrin	5.255	5.153	5.353	50.870	50.000	1.7
alpha-BHC	3.993	3.891	4.091	50.790	50.000	1.6
alpha-Chlordane	6.016	5.915	6.115	51.120	50.000	2.2
beta-BHC	4.524	4.422	4.622	50.580	50.000	1.2
Decachlorobiphenyl	9.053	8.949	9.149	47.800	50.000	-4.4
delta-BHC	4.771	4.669	4.869	51.200	50.000	2.4
Dieldrin	6.342	6.240	6.440	51.450	50.000	2.9
Endosulfan I	6.067	5.965	6.165	50.970	50.000	1.9
Endosulfan II	6.793	6.690	6.890	48.110	50.000	-3.8
Endosulfan sulfate	7.157	7.054	7.254	49.070	50.000	-1.9
Endrin	6.571	6.470	6.670	47.650	50.000	-4.7
Endrin aldehyde	6.923	6.820	7.020	51.200	50.000	2.4
Endrin ketone	7.643	7.539	7.739	49.560	50.000	-0.9
gamma-BHC (Lindane)	4.325	4.224	4.424	50.780	50.000	1.6
gamma-Chlordane	5.937	5.835	6.035	50.820	50.000	1.6
Heptachlor	4.913	4.812	5.012	51.160	50.000	2.3
Heptachlor epoxide	5.682	5.579	5.779	52.750	50.000	5.5
Methoxychlor	7.498	7.396	7.596	52.590	50.000	5.2
Tetrachloro-m-xylene	3.537	3.435	3.635	51.890	50.000	3.8



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

CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487 SAS No.: Q1487 SDG NO.: Q1487

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No.: CCAL02 Date Analyzed: 03/05/2025

Lab Sample No.: PSTDCCC050 Data File : PL094511.D Time Analyzed: 17:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.780	5.679	5.879	56.540	50.000	13.1
4,4'-DDE	5.224	5.124	5.324	52.760	50.000	5.5
4,4'-DDT	6.030	5.929	6.129	53.820	50.000	7.6
Aldrin	4.220	4.119	4.319	51.910	50.000	3.8
alpha-BHC	3.273	3.172	3.372	51.510	50.000	3.0
alpha-Chlordane	5.037	4.935	5.135	50.670	50.000	1.3
beta-BHC	3.903	3.803	4.003	51.310	50.000	2.6
Decachlorobiphenyl	7.906	7.804	8.004	49.390	50.000	-1.2
delta-BHC	4.132	4.030	4.230	51.840	50.000	3.7
Dieldrin	5.357	5.256	5.456	51.780	50.000	3.6
Endosulfan I	5.092	4.991	5.191	40.540	50.000	-18.9
Endosulfan II	5.926	5.826	6.026	53.570	50.000	7.1
Endosulfan sulfate	6.329	6.228	6.428	51.550	50.000	3.1
Endrin	5.631	5.531	5.731	59.970	50.000	19.9
Endrin aldehyde	6.107	6.006	6.206	51.110	50.000	2.2
Endrin ketone	6.834	6.733	6.933	55.190	50.000	10.4
gamma-BHC (Lindane)	3.603	3.502	3.702	52.050	50.000	4.1
gamma-Chlordane	4.973	4.872	5.072	51.040	50.000	2.1
Heptachlor	3.941	3.840	4.040	51.400	50.000	2.8
Heptachlor epoxide	4.723	4.622	4.822	51.390	50.000	2.8
Methoxychlor	6.606	6.505	6.705	53.720	50.000	7.4
Tetrachloro-m-xylene	2.770	2.670	2.870	52.110	50.000	4.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
 Data File : PL094511.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Mar 2025 17:46
 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: Mar 06 00:56:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 14:52:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.770	131.7E6	166.3E6	51.887	52.111
28)	SA Decachlor...	9.053	7.906	101.7E6	189.9E6	47.803	49.393
Target Compounds							
2)	A alpha-BHC	3.993	3.273	192.1E6	253.1E6	50.794	51.507
3)	MA gamma-BHC...	4.325	3.603	187.6E6	245.2E6	50.780	52.053
4)	MA Heptachlor	4.913	3.941	173.5E6	242.6E6	51.162	51.396
5)	MB Aldrin	5.255	4.220	174.6E6	239.9E6	50.872	51.914
6)	B beta-BHC	4.524	3.903	80779023	102.0E6	50.585	51.308
7)	B delta-BHC	4.771	4.132	181.1E6	245.5E6	51.196	51.844
8)	B Heptachlo...	5.682	4.723	158.9E6	218.7E6	52.747	51.393
9)	A Endosulfan I	6.067	5.092	140.1E6	161.6E6	50.973	40.540
10)	B gamma-Chl...	5.937	4.973	149.2E6	221.5E6	50.822	51.045
11)	B alpha-Chl...	6.016	5.037	148.1E6	218.8E6	51.116	50.670
12)	B 4,4'-DDE	6.190	5.224	138.6E6	221.6E6	53.061	52.762m
13)	MA Dieldrin	6.342	5.357	146.6E6	226.9E6	51.454	51.777
14)	MA Endrin	6.571	5.631	121.6E6	204.2E6	47.655m	59.969m#
15)	B Endosulfa...	6.793	5.926	121.1E6	200.3E6	48.113	53.569m
16)	A 4,4'-DDD	6.709	5.780	106.7E6	180.1E6	57.698	56.540
17)	MA 4,4'-DDT	7.022	6.030	111.7E6	191.4E6	53.176	53.822
18)	B Endrin al...	6.923	6.107	99678560	161.5E6	51.201	51.114
19)	B Endosulfa...	7.157	6.329	111.1E6	190.4E6	49.073	51.553
20)	A Methoxychlor	7.498	6.606	58426383	104.8E6	52.587m	53.718
21)	B Endrin ke...	7.643	6.834	124.2E6	235.5E6	49.556	55.192m
22)	Mirex	8.115	7.014	97778922	181.6E6	47.390	52.070

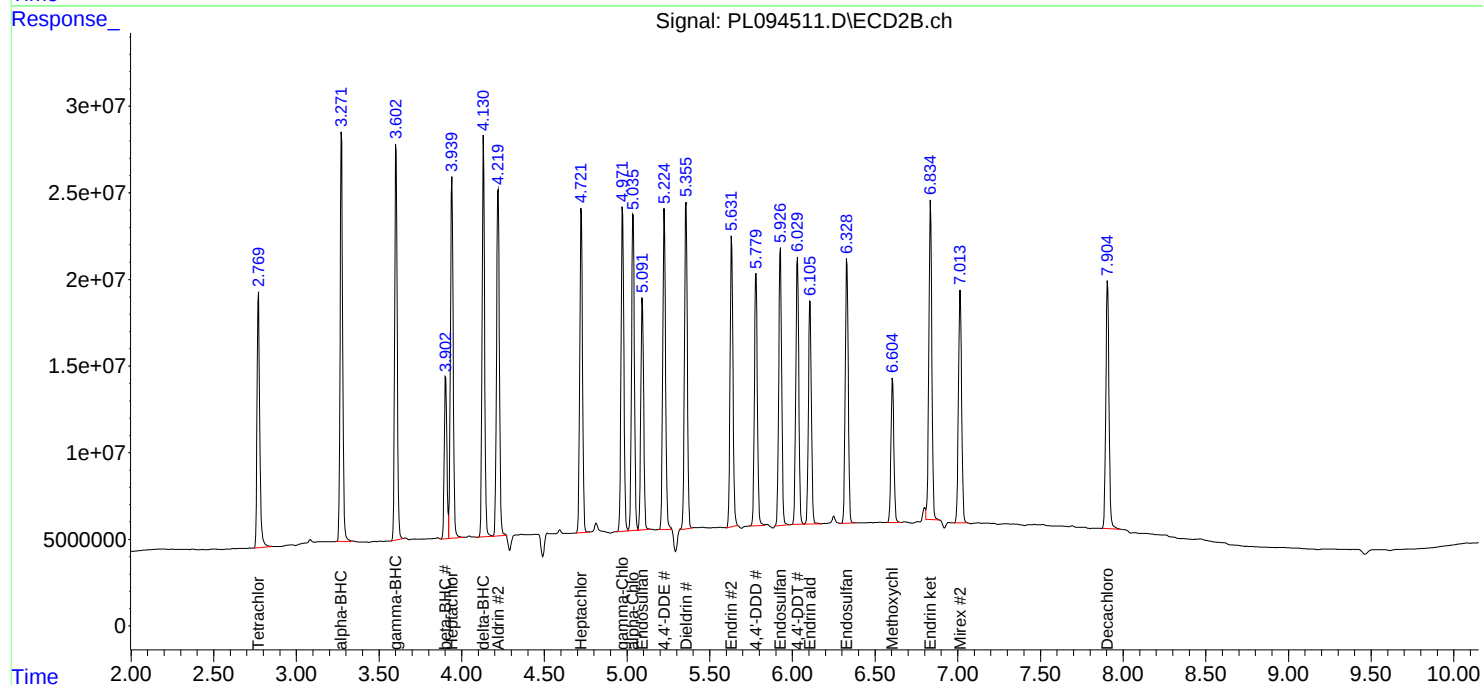
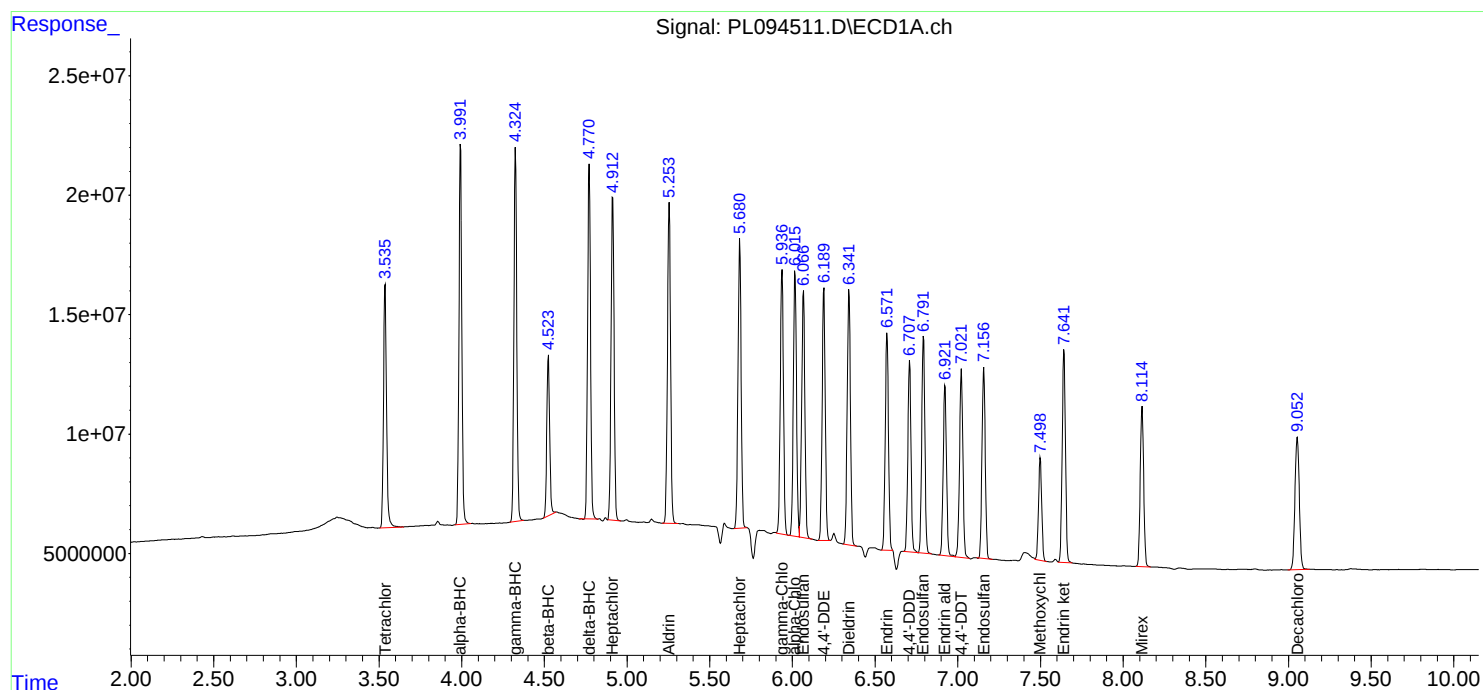
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
Data File : PL094511.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Mar 2025 17:46
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: Mar 06 00:56:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





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

CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487 SAS No.: Q1487 SDG NO.: Q1487

Continuing Calib Date: 03/05/2025 Initial Calibration Date(s): 02/21/2025 02/21/2025

Continuing Calib Time: 20:02 Initial Calibration Time(s): 10:56 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.32	4.22	4.42	0.00
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.26	5.25	5.15	5.35	-0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.15	7.05	7.25	-0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487 SAS No.: Q1487 SDG NO.: Q1487

Continuing Calib Date: 03/05/2025 Initial Calibration Date(s): 02/21/2025 02/21/2025

Continuing Calib Time: 20:02 Initial Calibration Time(s): 10:56 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.91	7.90	7.80	8.00	-0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.27	3.17	3.37	0.00
beta-BHC	3.90	3.90	3.80	4.00	0.00
delta-BHC	4.13	4.13	4.03	4.23	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Aldrin	4.22	4.22	4.12	4.32	0.00
Heptachlor epoxide	4.72	4.72	4.62	4.82	0.00
Endosulfan I	5.09	5.09	4.99	5.19	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.22	5.22	5.12	5.32	0.00
Endrin	5.63	5.63	5.53	5.73	0.00
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.83	6.83	6.73	6.93	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.97	4.97	4.87	5.07	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487 SAS No.: Q1487 SDG NO.: Q1487

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No.: CCAL03 Date Analyzed: 03/05/2025

Lab Sample No.: PSTDCCC050 Data File : PL094521.D Time Analyzed: 20:02

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.709	6.606	6.806	57.640	50.000	15.3
4,4'-DDE	6.190	6.088	6.288	52.630	50.000	5.3
4,4'-DDT	7.022	6.919	7.119	49.980	50.000	0.0
Aldrin	5.255	5.153	5.353	50.750	50.000	1.5
alpha-BHC	3.993	3.891	4.091	51.170	50.000	2.3
alpha-Chlordane	6.016	5.915	6.115	50.760	50.000	1.5
beta-BHC	4.524	4.422	4.622	50.800	50.000	1.6
Decachlorobiphenyl	9.054	8.949	9.149	46.700	50.000	-6.6
delta-BHC	4.769	4.669	4.869	51.780	50.000	3.6
Dieldrin	6.342	6.240	6.440	51.160	50.000	2.3
Endosulfan I	6.067	5.965	6.165	50.430	50.000	0.9
Endosulfan II	6.792	6.690	6.890	47.970	50.000	-4.1
Endosulfan sulfate	7.158	7.054	7.254	48.260	50.000	-3.5
Endrin	6.571	6.470	6.670	46.620	50.000	-6.8
Endrin aldehyde	6.923	6.820	7.020	49.870	50.000	-0.3
Endrin ketone	7.642	7.539	7.739	48.350	50.000	-3.3
gamma-BHC (Lindane)	4.325	4.224	4.424	51.150	50.000	2.3
gamma-Chlordane	5.936	5.835	6.035	50.570	50.000	1.1
Heptachlor	4.913	4.812	5.012	51.230	50.000	2.5
Heptachlor epoxide	5.682	5.579	5.779	52.290	50.000	4.6
Methoxychlor	7.499	7.396	7.596	51.090	50.000	2.2
Tetrachloro-m-xylene	3.536	3.435	3.635	51.950	50.000	3.9



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CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487 SAS No.: Q1487 SDG NO.: Q1487

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No.: CCAL03 Date Analyzed: 03/05/2025

Lab Sample No.: PSTDCCC050 Data File : PL094521.D Time Analyzed: 20:02

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.780	5.679	5.879	56.560	50.000	13.1
4,4'-DDE	5.223	5.124	5.324	52.170	50.000	4.3
4,4'-DDT	6.030	5.929	6.129	52.280	50.000	4.6
Aldrin	4.220	4.119	4.319	52.370	50.000	4.7
alpha-BHC	3.273	3.172	3.372	52.170	50.000	4.3
alpha-Chlordane	5.036	4.935	5.135	50.770	50.000	1.5
beta-BHC	3.903	3.803	4.003	51.930	50.000	3.9
Decachlorobiphenyl	7.906	7.804	8.004	45.430	50.000	-9.1
delta-BHC	4.131	4.030	4.230	52.200	50.000	4.4
Dieldrin	5.356	5.256	5.456	51.080	50.000	2.2
Endosulfan I	5.092	4.991	5.191	40.480	50.000	-19.0
Endosulfan II	5.926	5.826	6.026	52.490	50.000	5.0
Endosulfan sulfate	6.329	6.228	6.428	50.080	50.000	0.2
Endrin	5.631	5.531	5.731	59.850	50.000	19.7
Endrin aldehyde	6.107	6.006	6.206	49.850	50.000	-0.3
Endrin ketone	6.834	6.733	6.933	53.030	50.000	6.1
gamma-BHC (Lindane)	3.603	3.502	3.702	52.610	50.000	5.2
gamma-Chlordane	4.973	4.872	5.072	51.310	50.000	2.6
Heptachlor	3.940	3.840	4.040	51.720	50.000	3.4
Heptachlor epoxide	4.723	4.622	4.822	51.790	50.000	3.6
Methoxychlor	6.605	6.505	6.705	50.360	50.000	0.7
Tetrachloro-m-xylene	2.770	2.670	2.870	52.950	50.000	5.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
 Data File : PL094521.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Mar 2025 20:02
 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: Mar 06 00:38:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 14:52:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.770	131.9E6	169.0E6	51.954	52.945
28)	SA Decachlor...	9.054	7.906	99350870	174.7E6	46.704	45.429
Target Compounds							
2)	A alpha-BHC	3.993	3.273	193.6E6	256.4E6	51.172	52.171
3)	MA gamma-BHC...	4.325	3.603	189.0E6	247.8E6	51.147	52.608
4)	MA Heptachlor	4.913	3.940	173.7E6	244.1E6	51.230	51.718
5)	MB Aldrin	5.255	4.220	174.2E6	242.0E6	50.749	52.375
6)	B beta-BHC	4.524	3.903	81123214	103.3E6	50.800	51.933
7)	B delta-BHC	4.769	4.131	183.2E6	247.2E6	51.782m	52.198
8)	B Heptachlo...	5.682	4.723	157.6E6	220.4E6	52.289	51.793
9)	A Endosulfan I	6.067	5.092	138.6E6	161.4E6	50.431	40.484
10)	B gamma-Chl...	5.936	4.973	148.5E6	222.6E6	50.568m	51.308
11)	B alpha-Chl...	6.016	5.036	147.0E6	219.2E6	50.757	50.767
12)	B 4,4'-DDE	6.190	5.223	137.5E6	219.1E6	52.628	52.174m
13)	MA Dieldrin	6.342	5.356	145.8E6	223.8E6	51.160	51.084
14)	MA Endrin	6.571	5.631	119.0E6	203.8E6	46.617m	59.847m#
15)	B Endosulfa...	6.792	5.926	120.7E6	196.3E6	47.967	52.486m
16)	A 4,4'-DDD	6.709	5.780	106.6E6	180.2E6	57.641	56.557
17)	MA 4,4'-DDT	7.022	6.030	105.0E6	185.9E6	49.977	52.276
18)	B Endrin al...	6.923	6.107	97078272	157.6E6	49.866	49.851
19)	B Endosulfa...	7.158	6.329	109.3E6	185.0E6	48.264	50.084
20)	A Methoxychlor	7.499	6.605	56761505	98261896	51.089	50.364
21)	B Endrin ke...	7.642	6.834	121.2E6	226.3E6	48.348	53.029m
22)	Mirex	8.115	7.015	93957744	173.7E6	45.538	49.827

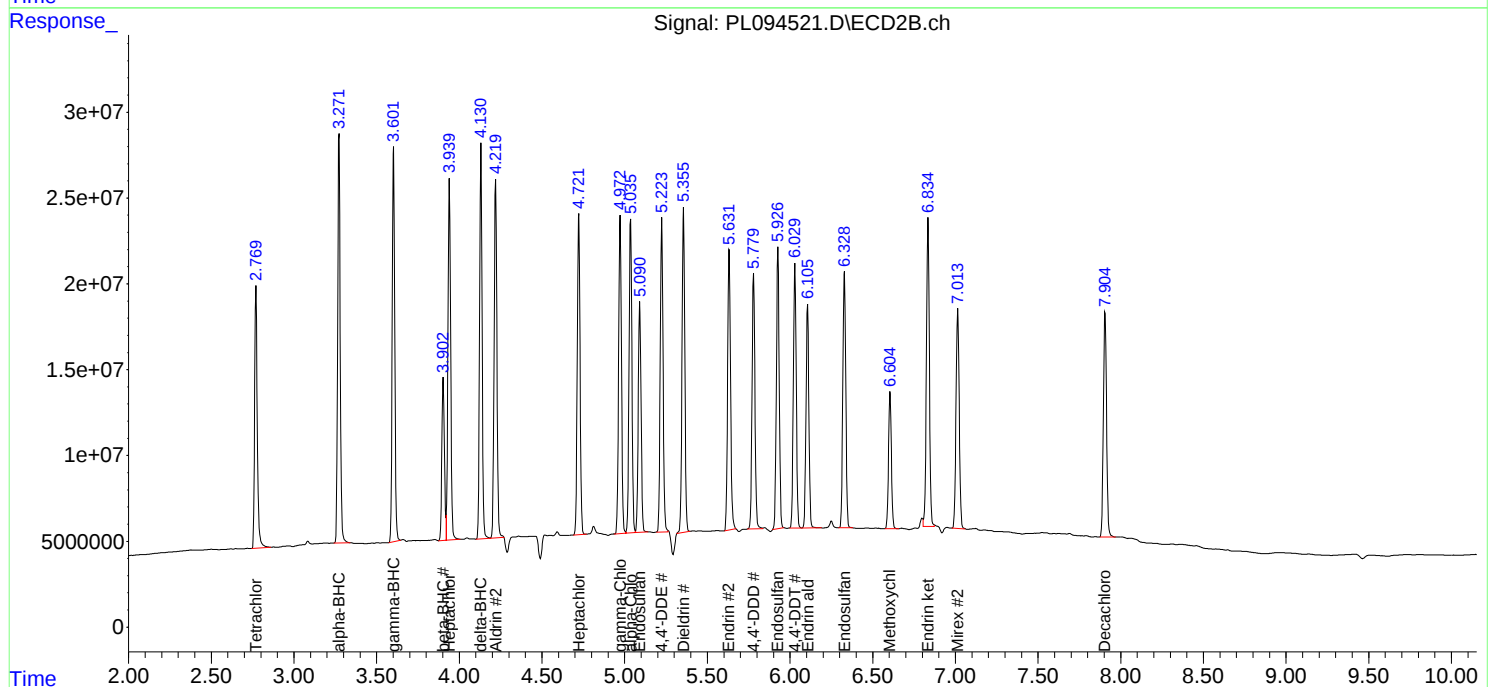
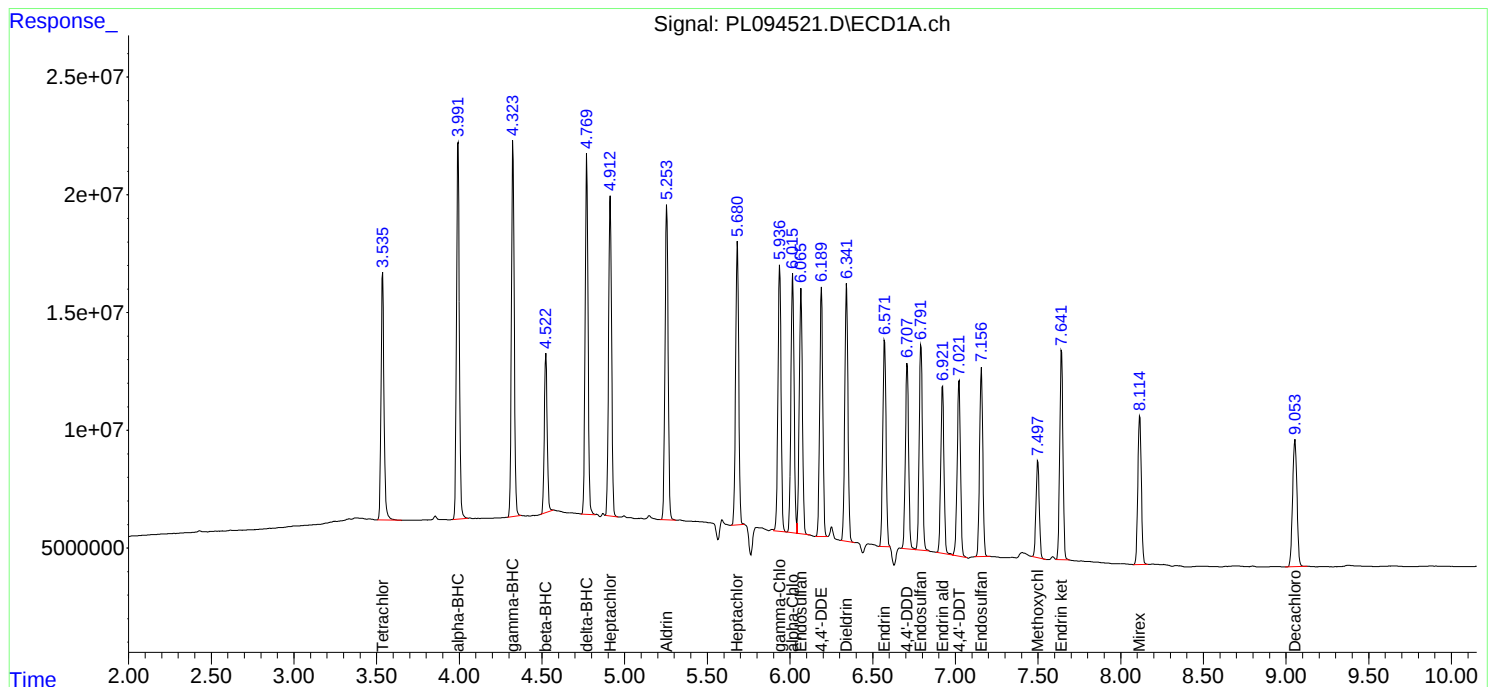
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
Data File : PL094521.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Mar 2025 20:02
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: Mar 06 00:38:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487 SAS No.: Q1487 SDG NO.: Q1487

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No. (PEM): PEM - PL094324.D Date Analyzed: 02/21/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:29

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.049	8.950	9.150	19.210	20.000	-4.0
Tetrachloro-m-xylene	3.536	3.490	3.590	18.850	20.000	-5.8
alpha-BHC	3.991	3.940	4.040	10.030	10.000	0.3
beta-BHC	4.523	4.470	4.570	10.250	10.000	2.5
gamma-BHC (Lindane)	4.324	4.270	4.370	9.920	10.000	-0.8
Endrin	6.570	6.500	6.640	41.860	50.000	-16.3
4,4'-DDT	7.020	6.950	7.090	87.790	100.000	-12.2
Methoxychlor	7.497	7.430	7.570	207.340	250.000	-17.1

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No. (PEM): PEM - PL094324.D Date Analyzed: 02/21/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:29

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.904	7.800	8.000	18.560	20.000	-7.2
Tetrachloro-m-xylene	2.771	2.720	2.820	18.550	20.000	-7.3
alpha-BHC	3.273	3.220	3.320	8.830	10.000	-11.7
beta-BHC	3.903	3.850	3.950	9.960	10.000	-0.4
gamma-BHC (Lindane)	3.603	3.550	3.650	8.530	10.000	-14.7
Endrin	5.632	5.560	5.700	45.740	50.000	-8.5
4,4'-DDT	6.029	5.960	6.100	98.350	100.000	-1.7
Methoxychlor	6.605	6.530	6.680	222.980	250.000	-10.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
 Data File : PL094324.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2025 10:29
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 02/22/2025
 Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 21 13:26:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 13:20:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.771	47867576	59184811	18.852	18.546
28)	SA Decachlor...	9.049	7.904	40873835	71371388	19.214	18.559
Target Compounds							
2)	A alpha-BHC	3.991	3.273	37928964	43396269	10.027	8.830
3)	MA gamma-BHC...	4.324	3.603	36641276	40152666	9.917	8.525
6)	B beta-BHC	4.523	3.903	16364265	19814220	10.248	9.962
12)	B 4,4'-DDE	6.189	5.225	502184	596448	0.192m	0.142m#
14)	MA Endrin	6.570	5.632	106.8E6	155.7E6	41.858	45.738
16)	A 4,4'-DDD	6.709	5.781	1073018	2546583	0.580m	0.799 #
17)	MA 4,4'-DDT	7.020	6.029	184.4E6	349.8E6	87.786	98.354
18)	B Endrin al...	6.920	6.106	2450807	8289635	1.259	2.623 #
20)	A Methoxychlor	7.497	6.605	230.4E6	435.0E6	207.343	222.985
21)	B Endrin ke...	7.638	6.833	4413924	6888283	1.761m	1.614

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094324.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 10:29
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

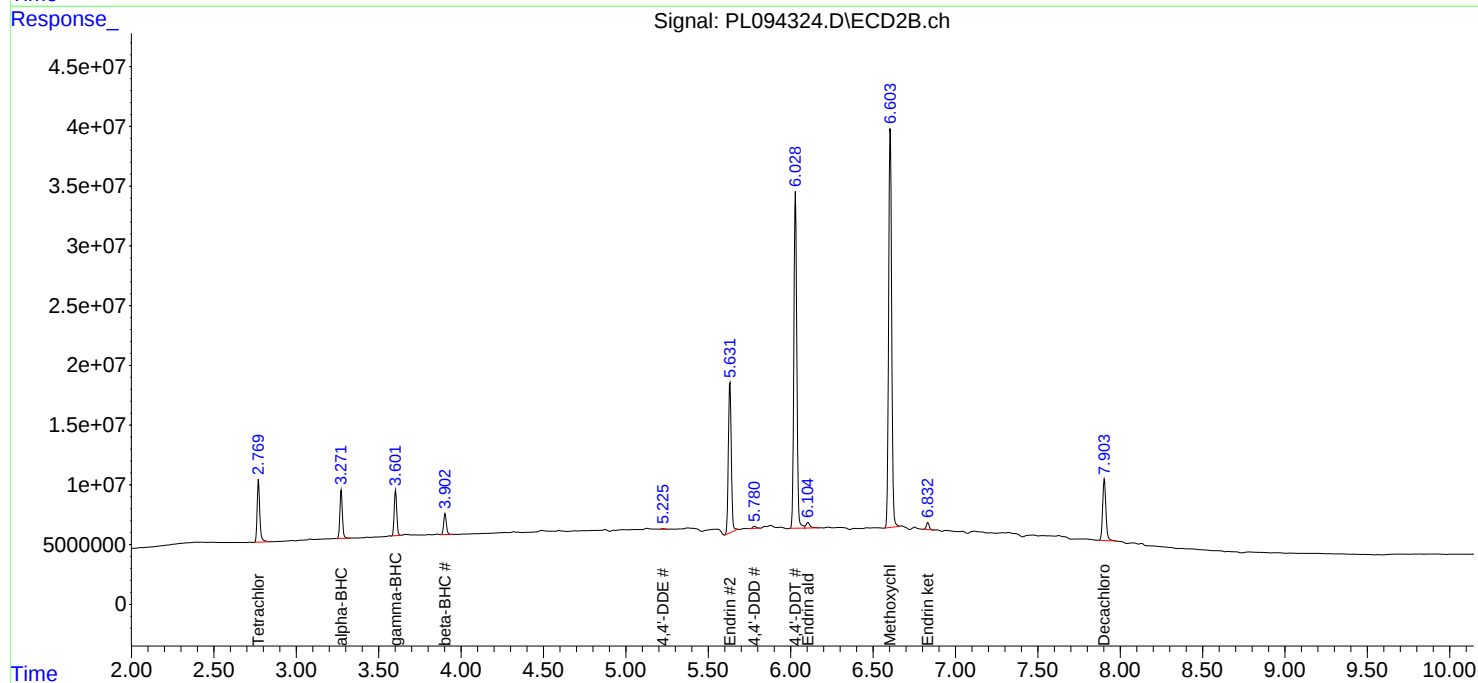
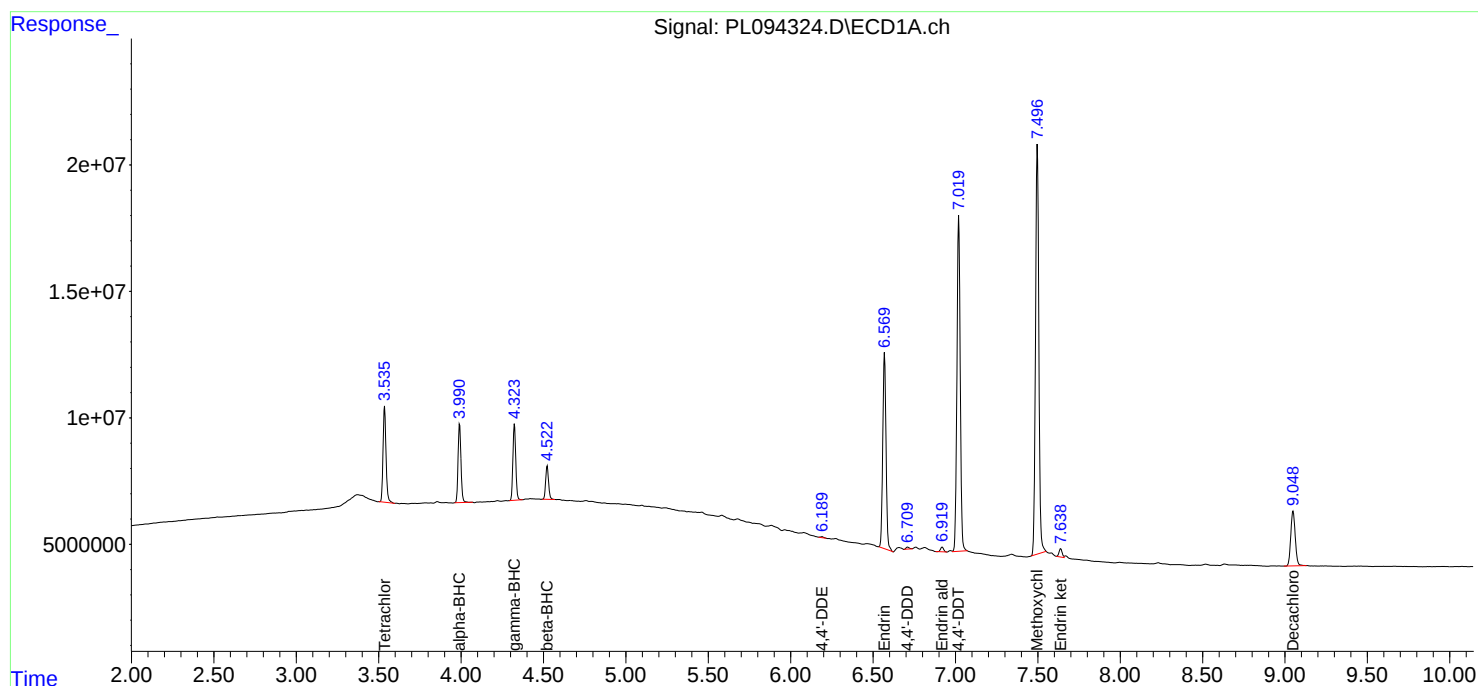
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/22/2025
Supervised By : Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 13:26:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 13:20:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487 SAS No.: Q1487 SDG NO.: Q1487

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No. (PEM): PEM - PL094498.D Date Analyzed: 03/05/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:12

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.054	8.950	9.150	23.610	20.000	18.1
Tetrachloro-m-xylene	3.538	3.490	3.590	25.110	20.000	25.6
alpha-BHC	3.994	3.940	4.040	12.820	10.000	28.2
beta-BHC	4.525	4.470	4.580	13.130	10.000	31.3
gamma-BHC (Lindane)	4.326	4.280	4.380	12.550	10.000	25.5
Endrin	6.572	6.500	6.640	50.280	50.000	0.6
4,4'-DDT	7.024	6.950	7.090	112.610	100.000	12.6
Methoxychlor	7.501	7.430	7.570	256.110	250.000	2.4

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No. (PEM): PEM - PL094498.D Date Analyzed: 03/05/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:12

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.905	7.800	8.010	22.830	20.000	14.2
Tetrachloro-m-xylene	2.771	2.720	2.820	24.130	20.000	20.7
alpha-BHC	3.274	3.220	3.320	11.360	10.000	13.6
beta-BHC	3.904	3.850	3.950	13.010	10.000	30.1
gamma-BHC (Lindane)	3.604	3.550	3.650	11.070	10.000	10.7
Endrin	5.633	5.560	5.700	62.860	50.000	25.7
4,4'-DDT	6.031	5.960	6.100	127.740	100.000	27.7
Methoxychlor	6.606	6.540	6.680	278.660	250.000	11.5

Data File: PEM
 PL094498.D Date Acquired 3/5/2025 9:12
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	128337105.1	140380292.5	12043187.4	8.58
Endrin aldehyde	6.92	4401821.343			
Endrin ketone	7.64	7641366.06			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	214023203.2	237653443.4	23630240.2	9.94
Endrin aldehyde #2	6.11	9474848.178			
Endrin ketone #2	6.83	14155392.01			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	236492318.3	241136261	4643942.7	1.93
4,4'-DDE	6.19	645550.7			
4,4'-DDD	6.71	3998392.005			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	454360417.1	460330230.8	5969813.71	1.30
4,4'-DDE #2	5.23	409959.5			
4,4'-DDD #2	5.78	5559854.211			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
 Data File : PL094498.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Mar 2025 09:12
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 06 00:51:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 14:52:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.771	63758501	76993222	25.111	24.127
28) SA Decachlor...	9.054	7.905	50220641	87796020	23.608	22.830
Target Compounds						
2) A alpha-BHC	3.994	3.274	48509073	55847793	12.824	11.363
3) MA gamma-BHC...	4.326	3.604	46379567	52153216	12.553	11.073
6) B beta-BHC	4.525	3.904	20970855	25874551	13.132	13.009
12) B 4,4'-DDE	6.193	5.228	645551	409960	0.247m	0.098m#
14) MA Endrin	6.572	5.633	128.3E6	214.0E6	50.283m	62.861 #
16) A 4,4'-DDD	6.708	5.782	3998392	5559854	2.162m	1.745
17) MA 4,4'-DDT	7.024	6.031	236.5E6	454.4E6	112.614	127.737
18) B Endrin al...	6.923	6.107	4401821	9474848	2.261	2.998 #
20) A Methoxychlor	7.501	6.606	284.5E6	543.7E6	256.108	278.661
21) B Endrin ke...	7.643	6.835	7641366	14155392	3.048	3.317

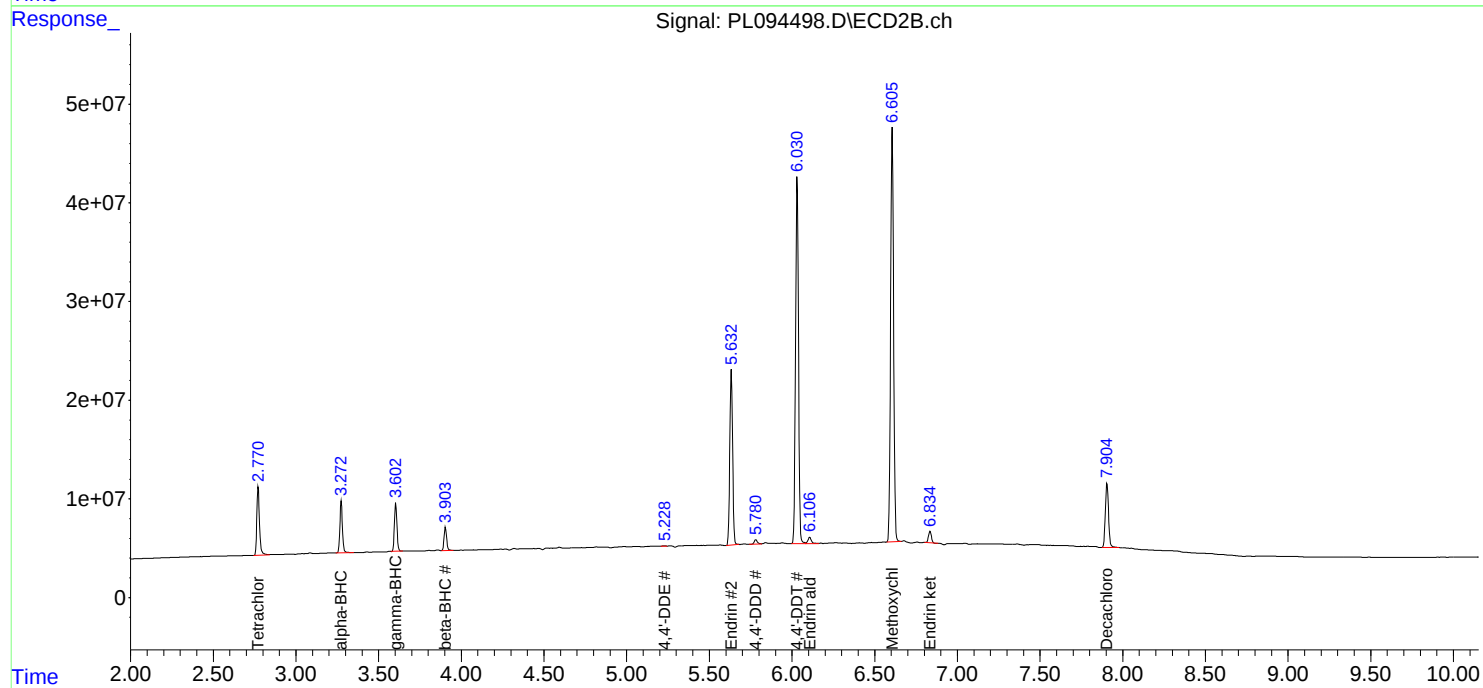
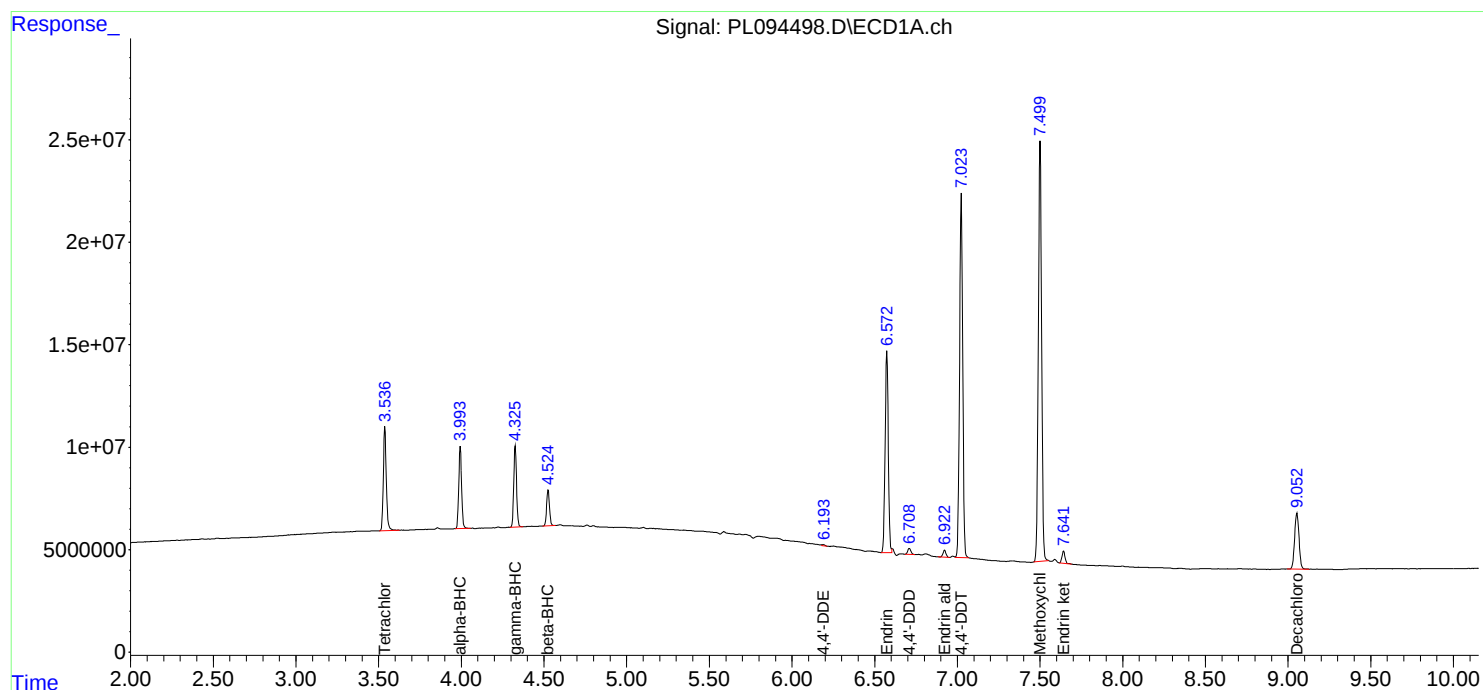
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
Data File : PL094498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Mar 2025 09:12
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 06 00:51:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Analytical Sequence

Client: JPCL Engineering	SDG No.: Q1487
Project: NYSDOT Two Bronx River Parkway Bridge	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 02/21/2025 02/21/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	02/21/2025	10:15	PL094323.D	9.05	3.54
PEM	PEM	02/21/2025	10:29	PL094324.D	9.05	3.54
RESCHK	RESCHK	02/21/2025	10:42	PL094325.D	9.05	3.54
PSTDICC100	PSTDICC100	02/21/2025	10:56	PL094326.D	9.05	3.54
PSTDICC075	PSTDICC075	02/21/2025	11:10	PL094327.D	9.05	3.54
PSTDICC050	PSTDICC050	02/21/2025	11:23	PL094328.D	9.05	3.54
PSTDICC025	PSTDICC025	02/21/2025	11:37	PL094329.D	9.05	3.54
PSTDICC005	PSTDICC005	02/21/2025	11:51	PL094330.D	9.05	3.54
PCHLORICC500	PCHLORICC500	02/21/2025	12:32	PL094333.D	9.05	3.54
PTOXICC500	PTOXICC500	02/21/2025	13:40	PL094338.D	9.05	3.54
IBLK	IBLK	03/05/2025	08:58	PL094497.D	9.06	3.54
PEM	PEM	03/05/2025	09:12	PL094498.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/05/2025	09:25	PL094499.D	9.05	3.54
PB166986BL	PB166986BL	03/05/2025	14:46	PL094500.D	9.07	3.55
PB166986BS	PB166986BS	03/05/2025	14:59	PL094501.D	9.06	3.54
IBLK	IBLK	03/05/2025	17:32	PL094510.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/05/2025	17:46	PL094511.D	9.05	3.54
DN-B-41MS	Q1485-01MS	03/05/2025	18:54	PL094516.D	9.05	3.54
DN-B-41MSD	Q1485-01MSD	03/05/2025	19:08	PL094517.D	9.05	3.54
DN-B-42	Q1487-01	03/05/2025	19:35	PL094519.D	9.05	3.54
IBLK	IBLK	03/05/2025	19:49	PL094520.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/05/2025	20:02	PL094521.D	9.05	3.54

Analytical Sequence

Client: JPCL Engineering	SDG No.: Q1487
Project: NYSDOT Two Bronx River Parkway Bridge	Instrument ID: ECD_L
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 02/21/2025 02/21/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	02/21/2025	10:15	PL094323.D	7.91	2.77
PEM	PEM	02/21/2025	10:29	PL094324.D	7.90	2.77
RESCHK	RESCHK	02/21/2025	10:42	PL094325.D	7.90	2.77
PSTDICCC100	PSTDICCC100	02/21/2025	10:56	PL094326.D	7.90	2.77
PSTDICCC075	PSTDICCC075	02/21/2025	11:10	PL094327.D	7.90	2.77
PSTDICCC050	PSTDICCC050	02/21/2025	11:23	PL094328.D	7.90	2.77
PSTDICCC025	PSTDICCC025	02/21/2025	11:37	PL094329.D	7.91	2.77
PSTDICCC005	PSTDICCC005	02/21/2025	11:51	PL094330.D	7.90	2.77
PCHLORICC500	PCHLORICC500	02/21/2025	12:32	PL094333.D	7.90	2.77
PTOXICC500	PTOXICC500	02/21/2025	13:40	PL094338.D	7.90	2.77
IBLK	IBLK	03/05/2025	08:58	PL094497.D	7.91	2.77
PEM	PEM	03/05/2025	09:12	PL094498.D	7.91	2.77
PSTDCCC050	PSTDCCC050	03/05/2025	09:25	PL094499.D	7.91	2.77
PB166986BL	PB166986BL	03/05/2025	14:46	PL094500.D	7.91	2.77
PB166986BS	PB166986BS	03/05/2025	14:59	PL094501.D	7.91	2.77
IBLK	IBLK	03/05/2025	17:32	PL094510.D	7.91	2.77
PSTDCCC050	PSTDCCC050	03/05/2025	17:46	PL094511.D	7.91	2.77
DN-B-41MS	Q1485-01MS	03/05/2025	18:54	PL094516.D	7.91	2.77
DN-B-41MSD	Q1485-01MSD	03/05/2025	19:08	PL094517.D	7.91	2.77
DN-B-42	Q1487-01	03/05/2025	19:35	PL094519.D	7.91	2.77
IBLK	IBLK	03/05/2025	19:49	PL094520.D	7.91	2.77
PSTDCCC050	PSTDCCC050	03/05/2025	20:02	PL094521.D	7.91	2.77

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

DN-B-41MS

Contract: JPCL01

Lab Code: CHEM

Case No.: Q1487

SAS No.: Q1487

SDG NO.: Q1487

Lab Sample ID: Q1485-01MS

Date(s) Analyzed: 03/05/2025

03/05/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	20.8	3.8
	2	5.93	5.88	5.98	21.6	
4,4'-DDD	1	6.71	6.66	6.76	23.6	3.9
	2	5.78	5.73	5.83	22.7	
4,4'-DDT	1	7.02	6.97	7.07	21.4	2.8
	2	6.03	5.98	6.08	20.8	
Endrin aldehyde	1	6.92	6.87	6.97	20.1	6.2
	2	6.11	6.06	6.16	18.9	
Endosulfan sulfate	1	7.16	7.11	7.21	21.2	4.6
	2	6.33	6.28	6.38	22.2	
Methoxychlor	1	7.50	7.45	7.55	23.3	20.3
	2	6.61	6.56	6.66	19.0	
Endrin ketone	1	7.64	7.59	7.69	20.0	0.5
	2	6.84	6.79	6.89	19.9	
alpha-BHC	1	3.99	3.94	4.04	20.5	0
	2	3.27	3.22	3.32	20.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	20.3	0.5
	2	3.60	3.55	3.65	20.4	
Heptachlor	1	4.91	4.86	4.96	21.4	2.4
	2	3.94	3.89	3.99	20.9	
Aldrin	1	5.26	5.21	5.31	20.3	2.5
	2	4.22	4.17	4.27	19.8	
beta-BHC	1	4.52	4.47	4.57	21.2	0.9
	2	3.90	3.85	3.95	21.0	
delta-BHC	1	4.77	4.72	4.82	20.8	3.4
	2	4.13	4.08	4.18	20.1	
Heptachlor epoxide	1	5.68	5.63	5.73	20.6	0.5
	2	4.72	4.67	4.77	20.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

DN-B-41MS

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487

SAS No.: Q1487 SDG NO.: Q1487

Lab Sample ID: Q1485-01MS

Date(s) Analyzed: 03/05/2025 03/05/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	21.2	4.8
	2	5.09	5.04	5.14	20.2	
gamma-Chlordane	1	5.94	5.89	5.99	20.9	1.4
	2	4.97	4.92	5.02	21.2	
alpha-Chlordane	1	6.02	5.97	6.07	21.2	1.4
	2	5.04	4.99	5.09	20.9	
4,4'-DDE	1	6.19	6.14	6.24	21.1	0
	2	5.23	5.18	5.28	21.1	
Dieldrin	1	6.34	6.29	6.39	21.0	1.4
	2	5.36	5.31	5.41	21.3	
Endrin	1	6.57	6.52	6.62	19.5	24.3
	2	5.63	5.58	5.68	24.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

DN-B-41MSD

Contract: JPCL01

Lab Code: CHEM Case No.: Q1487

SAS No.: Q1487 SDG NO.: Q1487

Lab Sample ID: Q1485-01MSD

Date(s) Analyzed: 03/05/2025 03/05/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	21.2	0.9
	2	5.93	5.88	5.98	21.4	
4,4'-DDD	1	6.71	6.66	6.76	24.0	8.7
	2	5.78	5.73	5.83	22.0	
4,4'-DDT	1	7.02	6.97	7.07	21.6	2.3
	2	6.03	5.98	6.08	21.1	
Endrin aldehyde	1	6.92	6.87	6.97	20.6	5.5
	2	6.11	6.06	6.16	19.5	
Endosulfan sulfate	1	7.16	7.11	7.21	21.5	2.8
	2	6.33	6.28	6.38	22.1	
Methoxychlor	1	7.50	7.45	7.55	23.5	19.6
	2	6.61	6.56	6.66	19.3	
Endrin ketone	1	7.64	7.59	7.69	20.2	0.5
	2	6.84	6.79	6.89	20.3	
alpha-BHC	1	3.99	3.94	4.04	20.2	0
	2	3.27	3.22	3.32	20.2	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	19.9	1
	2	3.60	3.55	3.65	20.1	
Heptachlor	1	4.91	4.86	4.96	21.0	0.5
	2	3.94	3.89	3.99	20.9	
Aldrin	1	5.26	5.21	5.31	20.2	2
	2	4.22	4.17	4.27	19.8	
beta-BHC	1	4.53	4.48	4.58	20.9	0.5
	2	3.90	3.85	3.95	21.0	
delta-BHC	1	4.77	4.72	4.82	20.6	2.5
	2	4.13	4.08	4.18	20.1	
Heptachlor epoxide	1	5.68	5.63	5.73	20.7	1.5
	2	4.72	4.67	4.77	20.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

DN-B-41MSD

Contract: JPCL01

Lab Code: CHEM **Case No.:** Q1487

SAS No.: Q1487 **SDG NO.:** Q1487

Lab Sample ID: Q1485-01MSD

Date(s) Analyzed: 03/05/2025 03/05/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	20.9	4.4
	2	5.09	5.04	5.14	20.0	
gamma-Chlordane	1	5.94	5.89	5.99	20.9	1.4
	2	4.97	4.92	5.02	21.2	
alpha-Chlordane	1	6.02	5.97	6.07	21.1	1
	2	5.04	4.99	5.09	20.9	
4,4'-DDE	1	6.19	6.14	6.24	20.8	1.4
	2	5.23	5.18	5.28	21.1	
Dieldrin	1	6.34	6.29	6.39	21.2	0
	2	5.36	5.31	5.41	21.2	
Endrin	1	6.57	6.52	6.62	19.5	22.3
	2	5.63	5.58	5.68	24.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166986BS

Contract: JPCL01

Lab Code: CHEM

Case No.: Q1487

SAS No.: Q1487

SDG NO.: Q1487

Lab Sample ID: PB166986BS

Date(s) Analyzed: 03/05/2025

03/05/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.80	6.75	6.85	17.7	7.6
	2	5.93	5.88	5.98	19.1	
4,4'-DDD	1	6.71	6.66	6.76	20.3	2.5
	2	5.78	5.73	5.83	19.8	
4,4'-DDT	1	7.03	6.98	7.08	19.2	1
	2	6.03	5.98	6.08	19.4	
Endrin aldehyde	1	6.93	6.88	6.98	17.6	0
	2	6.11	6.06	6.16	17.6	
Endosulfan sulfate	1	7.16	7.11	7.21	17.5	5.6
	2	6.33	6.28	6.38	18.5	
alpha-BHC	1	4.00	3.95	4.05	17.1	2.4
	2	3.27	3.22	3.32	16.7	
Aldrin	1	5.26	5.21	5.31	17.2	2.9
	2	4.22	4.17	4.27	16.7	
beta-BHC	1	4.53	4.48	4.58	17.6	1.1
	2	3.90	3.85	3.95	17.4	
delta-BHC	1	4.77	4.72	4.82	17.4	5.3
	2	4.13	4.08	4.18	16.5	
Endosulfan I	1	6.07	6.02	6.12	18.0	0.6
	2	5.09	5.04	5.14	17.9	
alpha-Chlordane	1	6.02	5.97	6.07	18.3	3.3
	2	5.04	4.99	5.09	17.7	
4,4'-DDE	1	6.19	6.14	6.24	19.0	4.9
	2	5.23	5.18	5.28	18.1	
Dieldrin	1	6.35	6.30	6.40	18.1	0
	2	5.36	5.31	5.41	18.1	
Endrin	1	6.57	6.52	6.62	17.0	20.1
	2	5.63	5.58	5.68	20.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166986BS

Contract: JPCL01

Lab Code: CHEM

Case No.: Q1487

SAS No.: Q1487

SDG NO.: Q1487

Lab Sample ID: PB166986BS

Date(s) Analyzed: 03/05/2025

03/05/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.50	7.45	7.55	18.6	0
	2	6.61	6.56	6.66	18.6	
Endrin ketone	1	7.65	7.60	7.70	17.7	8.1
	2	6.84	6.79	6.89	19.2	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.9	1.2
	2	3.60	3.55	3.65	16.7	
Heptachlor	1	4.92	4.87	4.97	18.1	3.4
	2	3.94	3.89	3.99	17.5	
Heptachlor epoxide	1	5.68	5.63	5.73	17.9	2.8
	2	4.72	4.67	4.77	17.4	
gamma-Chlordane	1	5.94	5.89	5.99	18.2	1.7
	2	4.97	4.92	5.02	17.9	



QC SAMPLE DATA

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	
Client Sample ID:	PB166986BL	SDG No.:	Q1487
Lab Sample ID:	PB166986BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094500.D	1	03/05/25 09:10	03/05/25 14:46	PB166986

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	1.70	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	1.70	U	0.49	1.70	ug/kg
319-86-8	delta-BHC	1.70	U	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	1.70	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	1.70	U	0.17	1.70	ug/kg
309-00-2	Aldrin	1.70	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	1.70	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	1.70	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	1.70	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	1.70	U	0.13	1.70	ug/kg
72-20-8	Endrin	1.70	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	1.70	U	0.30	1.70	ug/kg
72-54-8	4,4-DDD	1.70	U	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	1.70	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	1.70	U	0.17	1.70	ug/kg
72-43-5	Methoxychlor	1.70	U	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	1.70	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	1.70	U	0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	1.70	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	1.70	U	0.19	1.70	ug/kg
8001-35-2	Toxaphene	33.0	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.1		20 - 144	126%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.3		19 - 148	111%	SPK: 20

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	
Client Sample ID:	PB166986BL	SDG No.:	Q1487
Lab Sample ID:	PB166986BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094500.D	1	03/05/25 09:10	03/05/25 14:46	PB166986

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
 Data File : PL094500.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Mar 2025 14:46
 Operator : AR\AJ
 Sample : PB166986BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB166986BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 06 00:51:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 14:52:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.545	2.771	56550574	68741732	22.272	21.541
28) SA Decachlor...	9.065	7.911	53418544	90017422	25.111m	23.408

Target Compounds

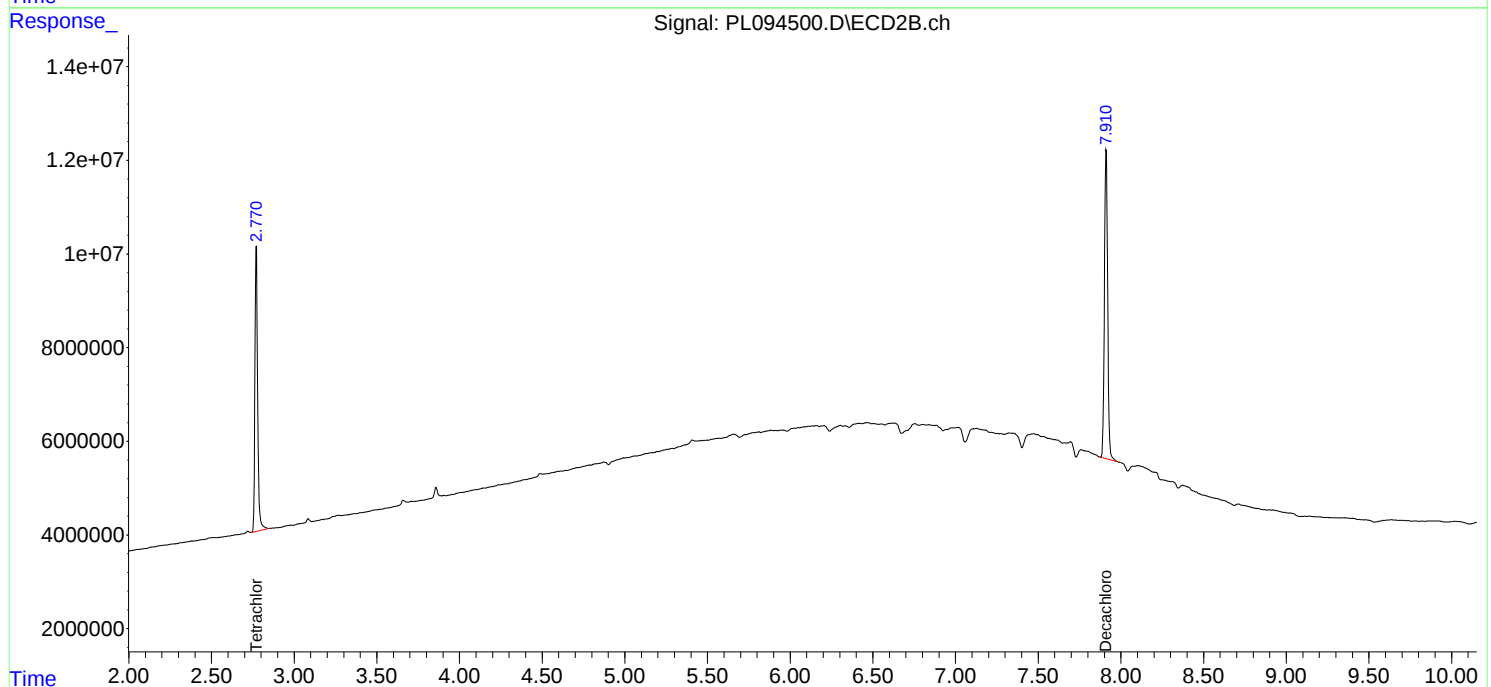
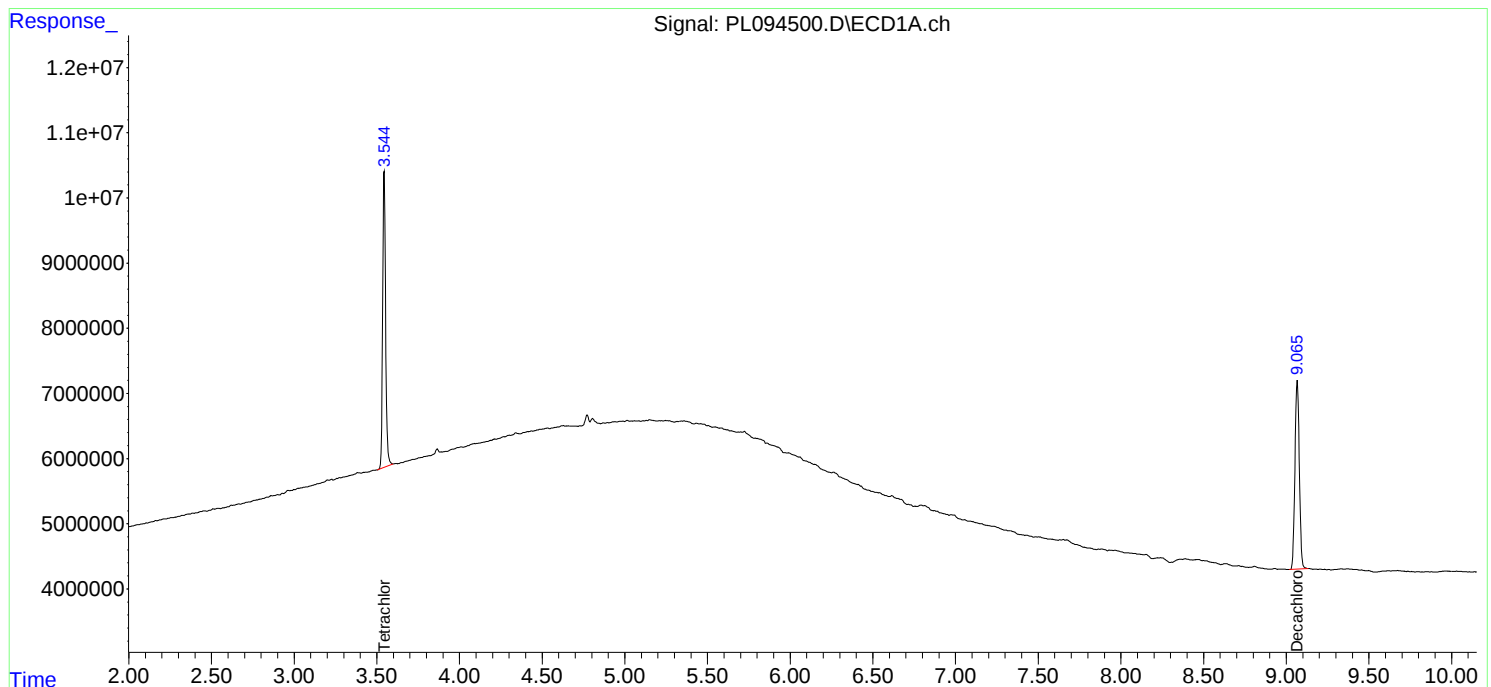
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

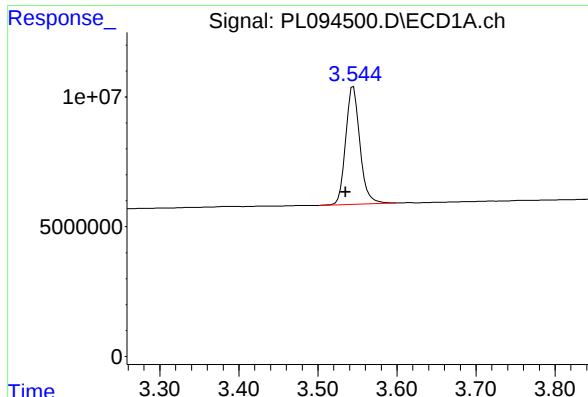
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
Data File : PL094500.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Mar 2025 14:46
Operator : AR\AJ
Sample : PB166986BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166986BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 06 00:51:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

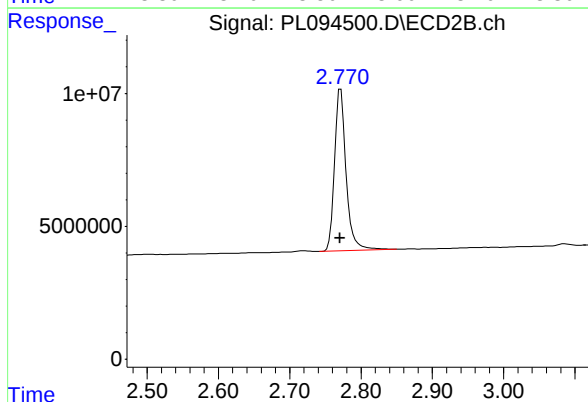




#1 Tetrachloro-m-xylene

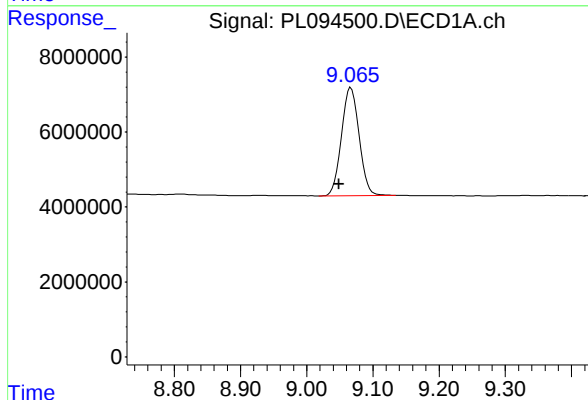
R.T.: 3.545 min
Delta R.T.: 0.010 min
Response: 56550574
Conc: 22.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166986BL



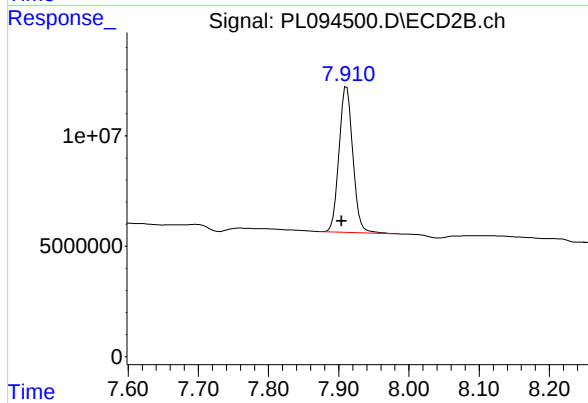
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.001 min
Response: 68741732
Conc: 21.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.016 min
Response: 53418544
Conc: 25.11 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: 0.007 min
Response: 90017422
Conc: 23.41 ng/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	02/21/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	02/21/25
Client Sample ID:	PIBLK-PL094323.D	SDG No.:	Q1487
Lab Sample ID:	I.BLK-PL094323.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
PL094323.D	1		02/21/25	pl022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.7		43 - 140	123%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.3		77 - 126	116%	SPK: 20

Report of Analysis

Client:	JPCL Engineering	Date Collected:	02/21/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	02/21/25
Client Sample ID:	PIBLK-PL094323.D	SDG No.:	Q1487
Lab Sample ID:	I.BLK-PL094323.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094323.D	1		02/21/25	pl022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 10:15
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: Feb 21 13:22:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 13:20:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.772	59107304	72879952	23.279	22.838
28)	SA Decachlor...	9.050	7.905	52511368	90629628	24.685	23.567

Target Compounds

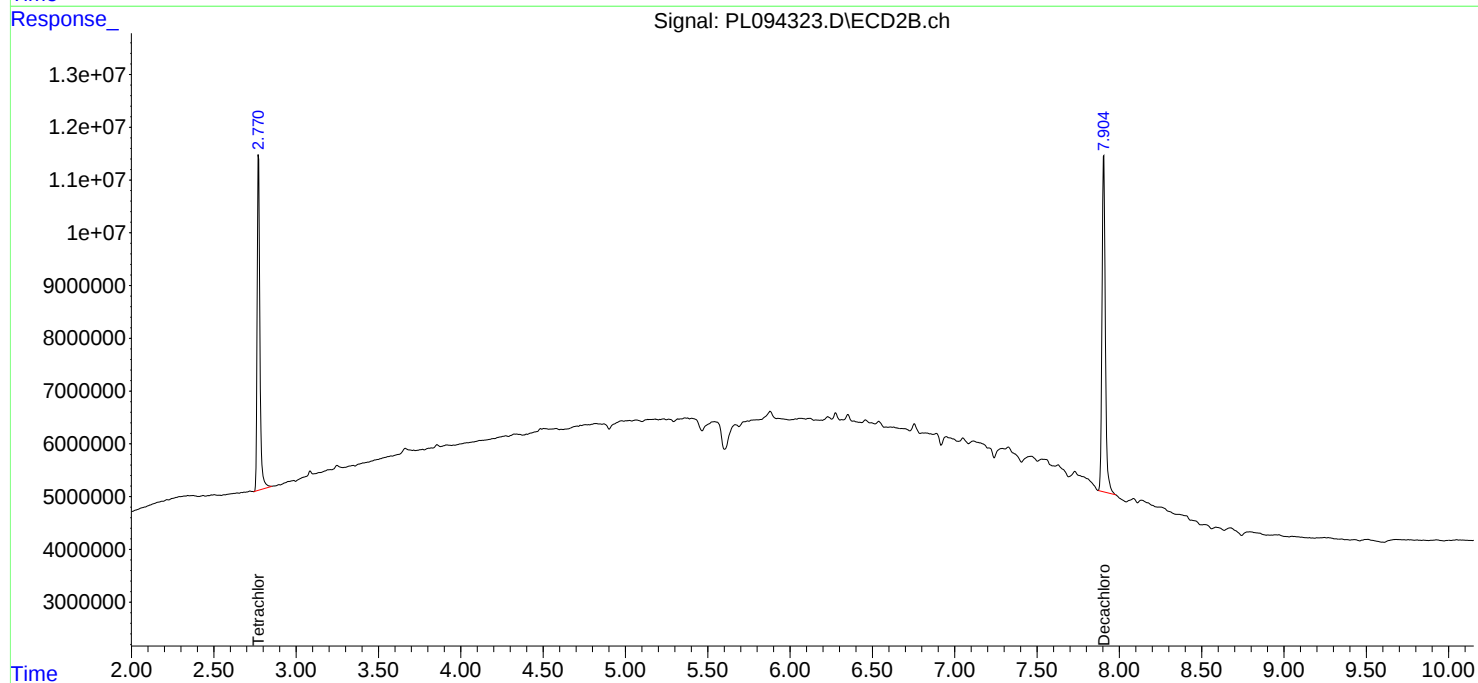
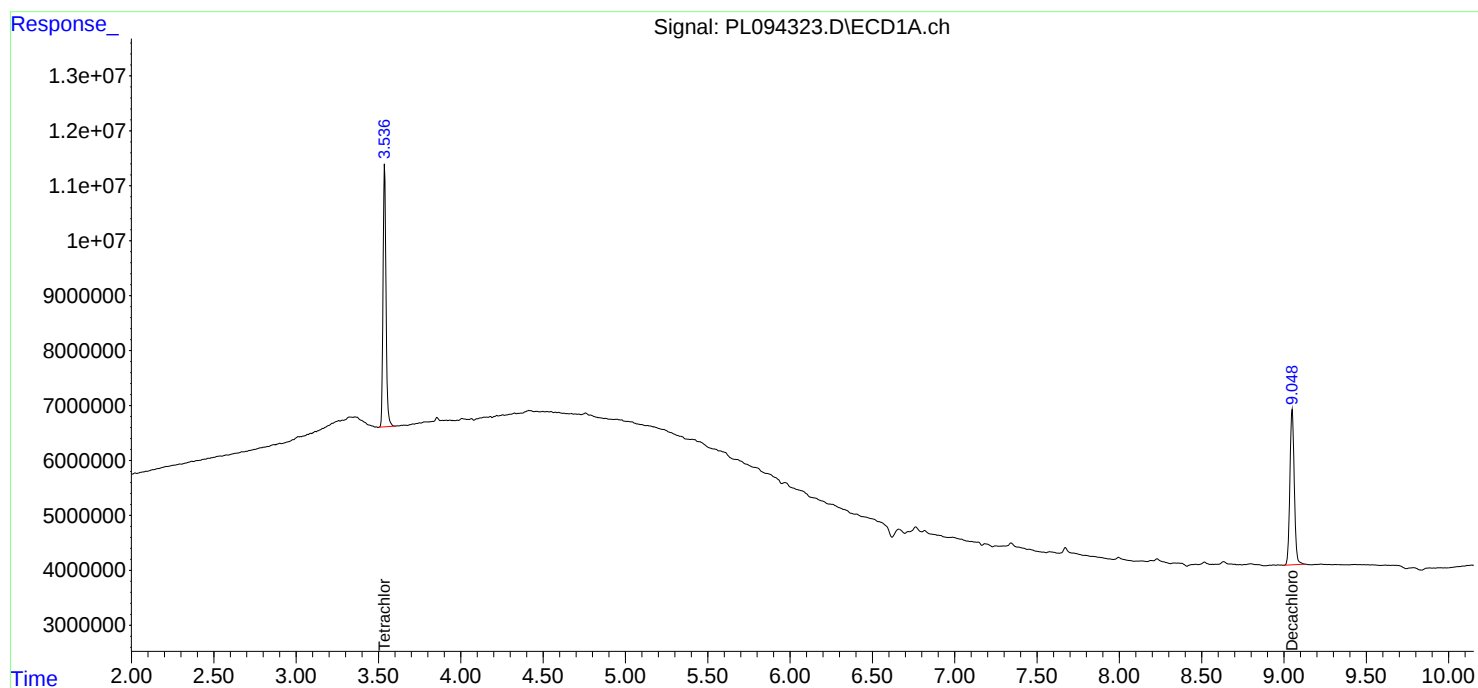
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

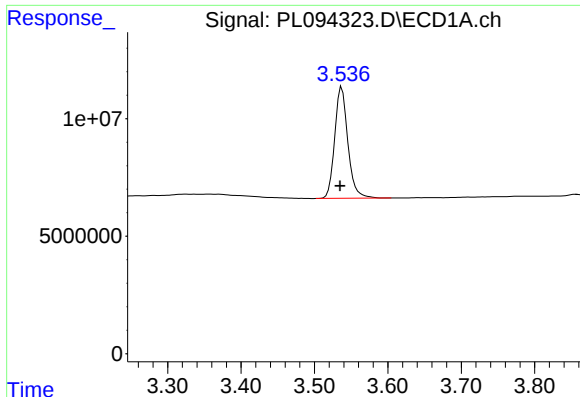
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022125\
Data File : PL094323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 10:15
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 13:22:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 13:20:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

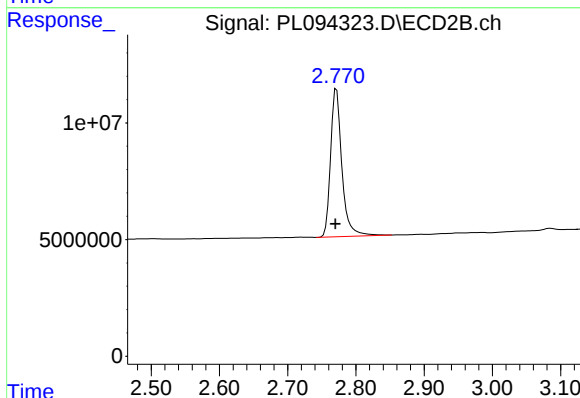




#1 Tetrachloro-m-xylene

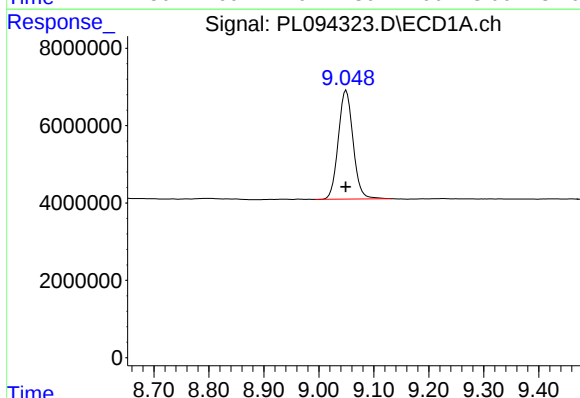
R.T.: 3.537 min
Delta R.T.: 0.002 min
Response: 59107304
Conc: 23.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



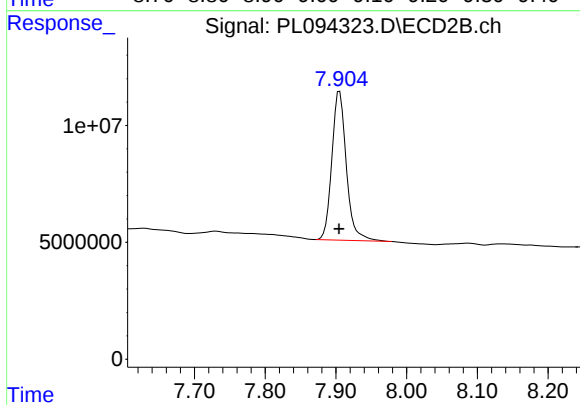
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.001 min
Response: 72879952
Conc: 22.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: 0.000 min
Response: 52511368
Conc: 24.68 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: 0.000 min
Response: 90629628
Conc: 23.57 ng/ml

Report of Analysis

Client:	JPCL Engineering			Date Collected:	03/05/25	
Project:	NYSDOT Two Bronx River Parkway Bridges			Date Received:	03/05/25	
Client Sample ID:	PIBLK-PL094497.D			SDG No.:	Q1487	
Lab Sample ID:	I.BLK-PL094497.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
PL094497.D	1		03/05/25	PL030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.5		43 - 140	113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.8		77 - 126	114%	SPK: 20

Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/05/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/05/25
Client Sample ID:	PIBLK-PL094497.D	SDG No.:	Q1487
Lab Sample ID:	I.BLK-PL094497.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094497.D	1		03/05/25	PL030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
Data File : PL094497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Mar 2025 08:58
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: Mar 06 00:50:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.772	57873412	69662074	22.793	21.830
28) SA Decachlor...	9.055	7.906	47894720	81202545	22.515	21.115

Target Compounds

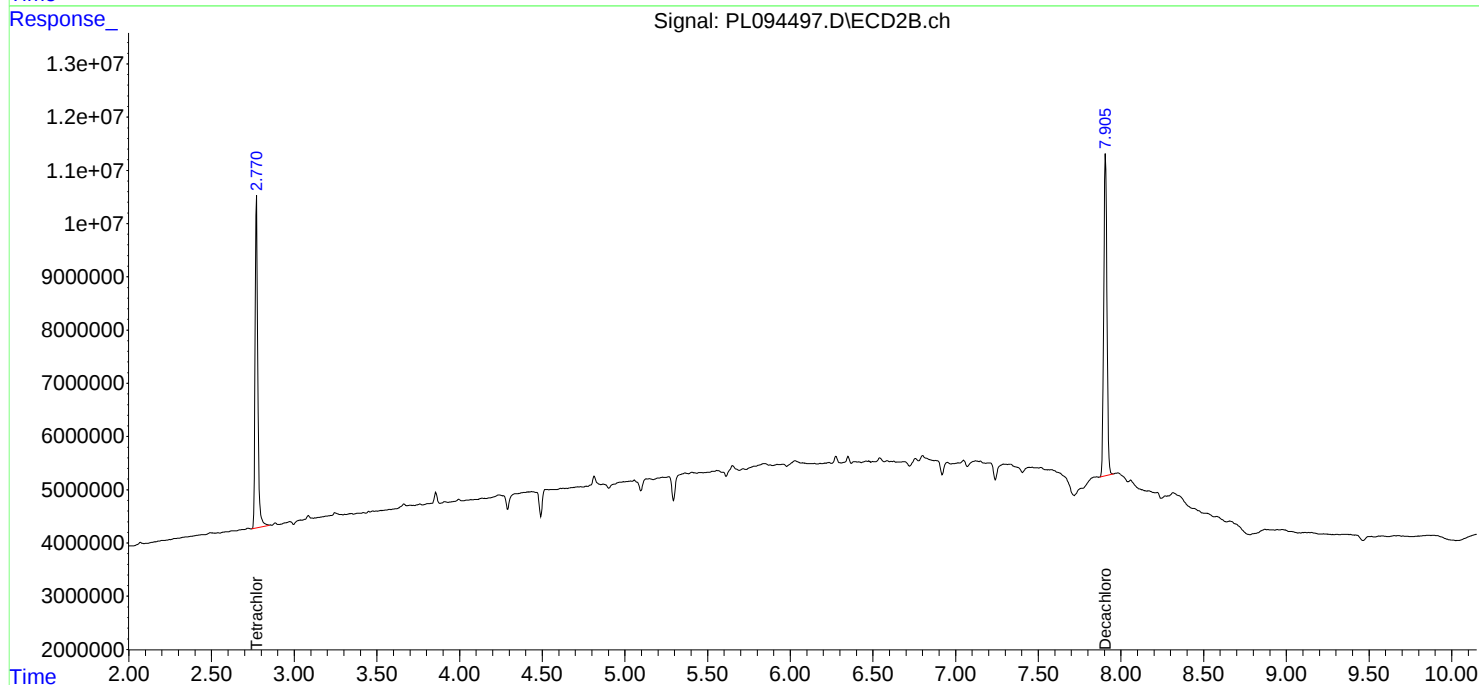
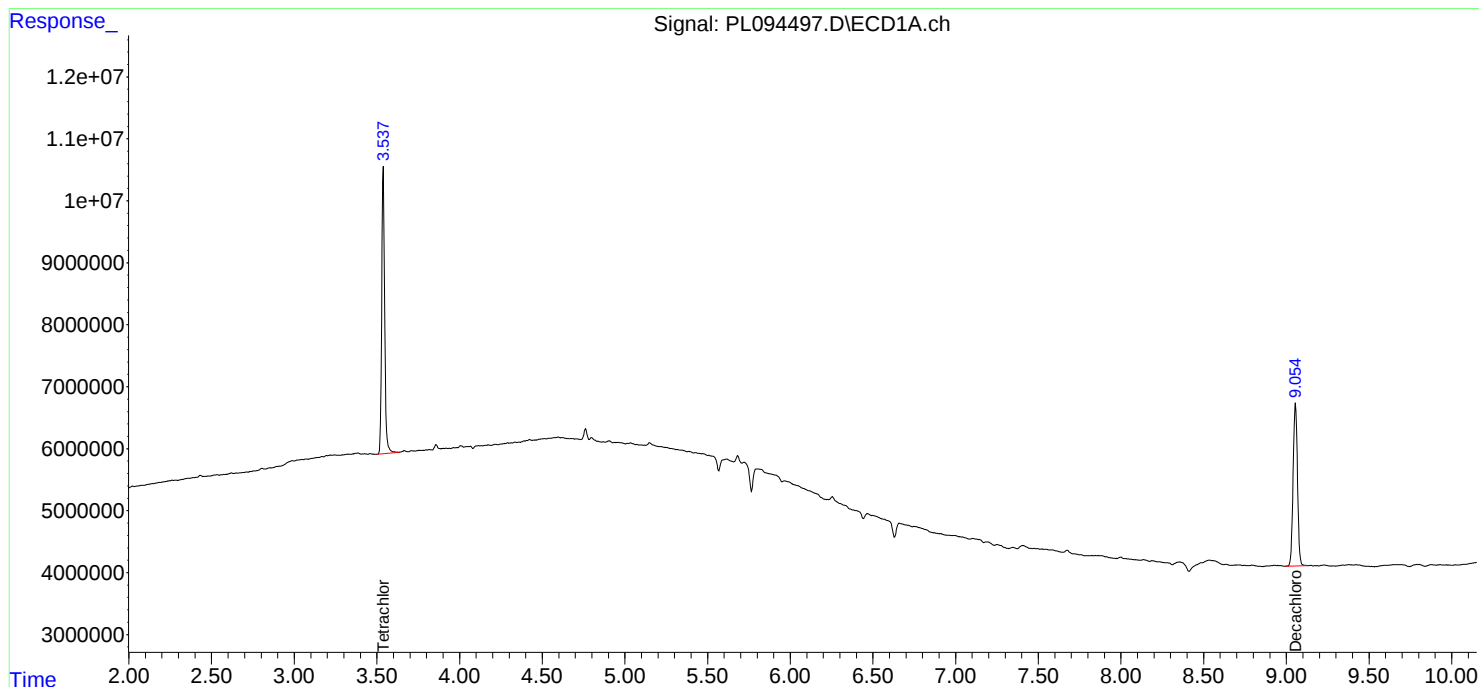
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

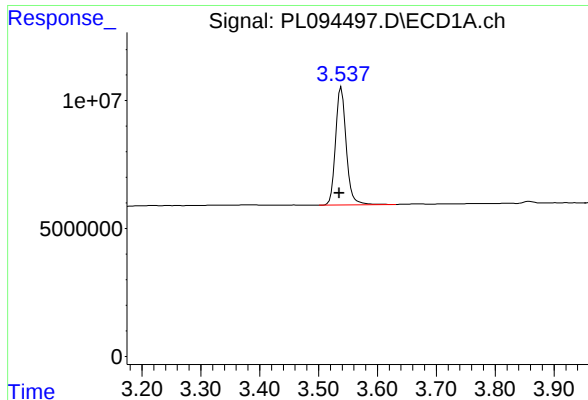
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
Data File : PL094497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Mar 2025 08:58
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 06 00:50:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

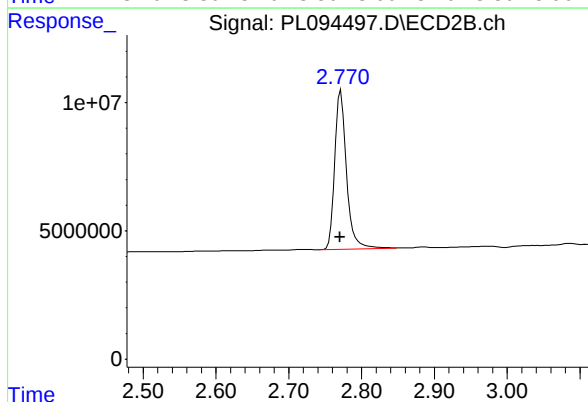




#1 Tetrachloro-m-xylene

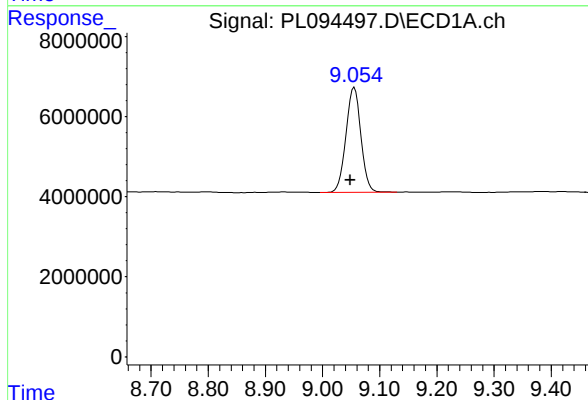
R.T.: 3.539 min
Delta R.T.: 0.004 min
Response: 57873412
Conc: 22.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



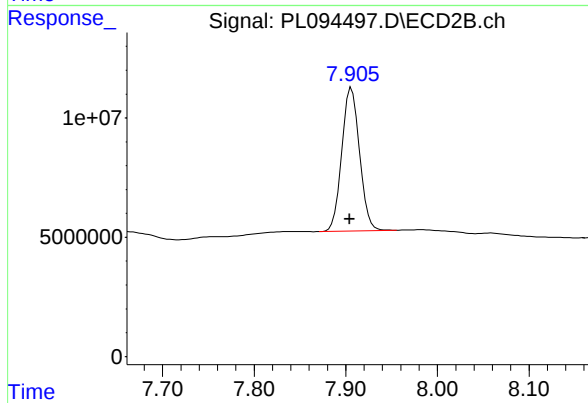
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.001 min
Response: 69662074
Conc: 21.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.007 min
Response: 47894720
Conc: 22.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: 0.002 min
Response: 81202545
Conc: 21.12 ng/ml

Report of Analysis

Client:	JPCL Engineering			Date Collected:	03/05/25	
Project:	NYSDOT Two Bronx River Parkway Bridges			Date Received:	03/05/25	
Client Sample ID:	PIBLK-PL094510.D			SDG No.:	Q1487	
Lab Sample ID:	I.BLK-PL094510.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
PL094510.D	1		03/05/25	PL030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.3		43 - 140	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.5		77 - 126	112%	SPK: 20

Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/05/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/05/25
Client Sample ID:	PIBLK-PL094510.D	SDG No.:	Q1487
Lab Sample ID:	I.BLK-PL094510.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094510.D	1		03/05/25	PL030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
Data File : PL094510.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Mar 2025 17:32
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: Mar 06 00:56:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.536	2.771	57084119	69772539	22.482	21.864
28) SA Decachlor...	9.053	7.905	47510681	84378309	22.334	21.941

Target Compounds

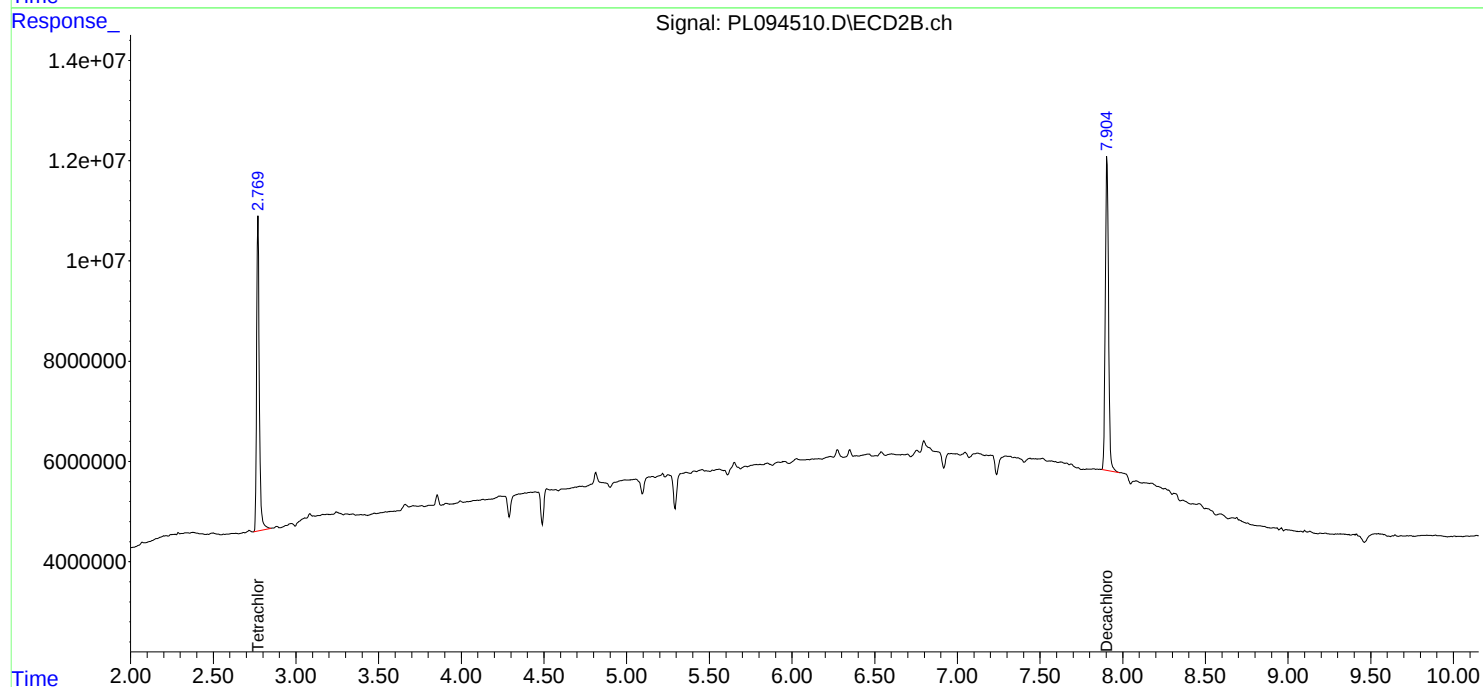
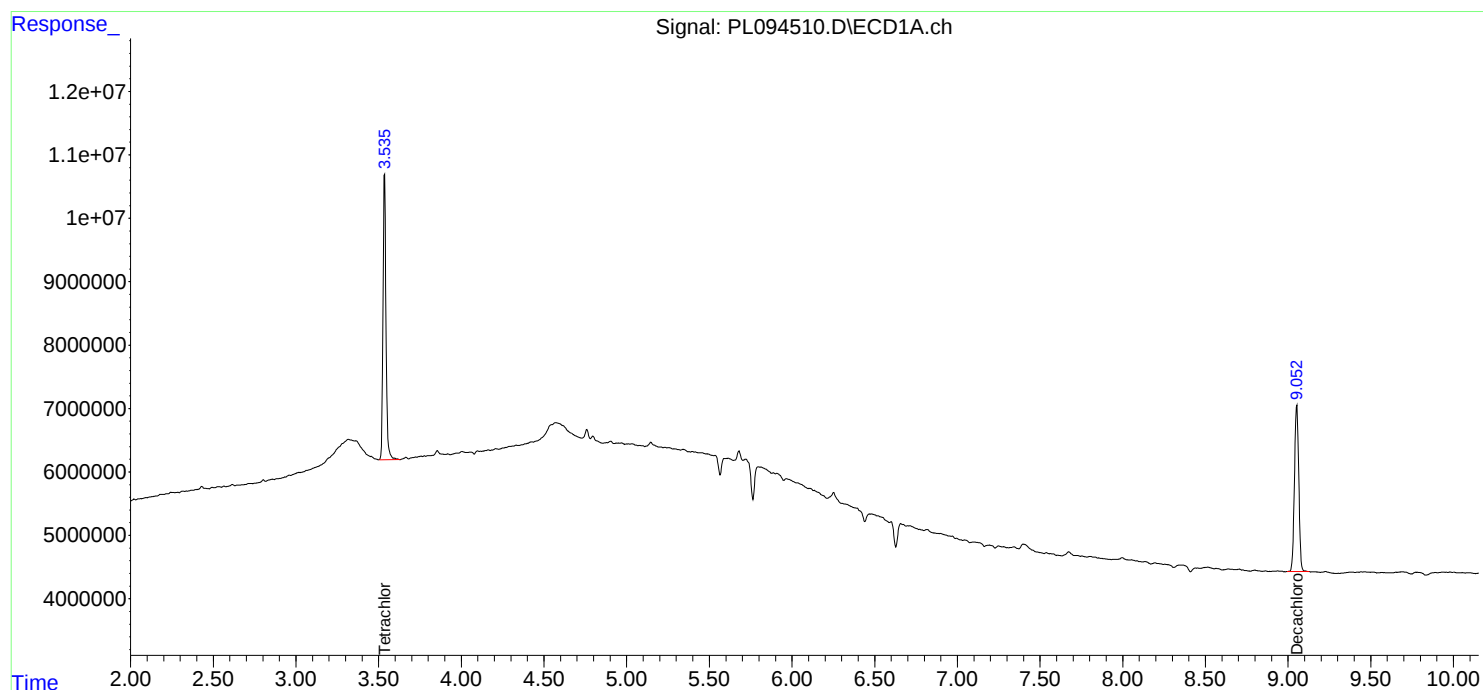
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

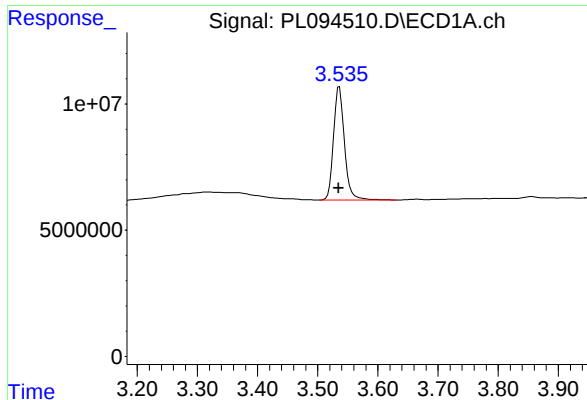
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
Data File : PL094510.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Mar 2025 17:32
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 06 00:56:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

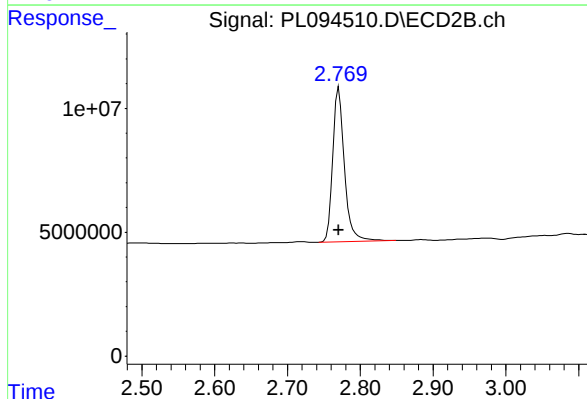




#1 Tetrachloro-m-xylene

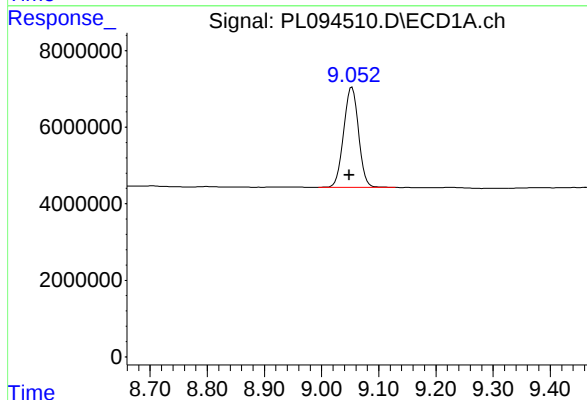
R.T.: 3.536 min
Delta R.T.: 0.001 min
Response: 57084119
Conc: 22.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



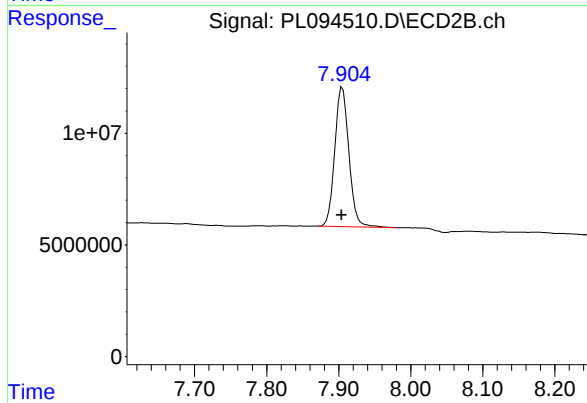
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 69772539
Conc: 21.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.004 min
Response: 47510681
Conc: 22.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: 0.000 min
Response: 84378309
Conc: 21.94 ng/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/05/25
Project:	NYS DOT Two Bronx River Parkway Bridges	Date Received:	03/05/25
Client Sample ID:	PIBLK-PL094520.D	SDG No.:	Q1487
Lab Sample ID:	I.BLK-PL094520.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
PL094520.D	1		03/05/25	PL030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.9		43 - 140	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.9		77 - 126	115%	SPK: 20

Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/05/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/05/25
Client Sample ID:	PIBLK-PL094520.D	SDG No.:	Q1487
Lab Sample ID:	I.BLK-PL094520.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094520.D	1		03/05/25	PL030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
Data File : PL094520.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Mar 2025 19:49
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: Mar 06 00:38:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.537	2.771	58180317	71903411	22.914	22.532
28) SA Decachlor...	9.054	7.907	46673967	73817433	21.941	19.195

Target Compounds

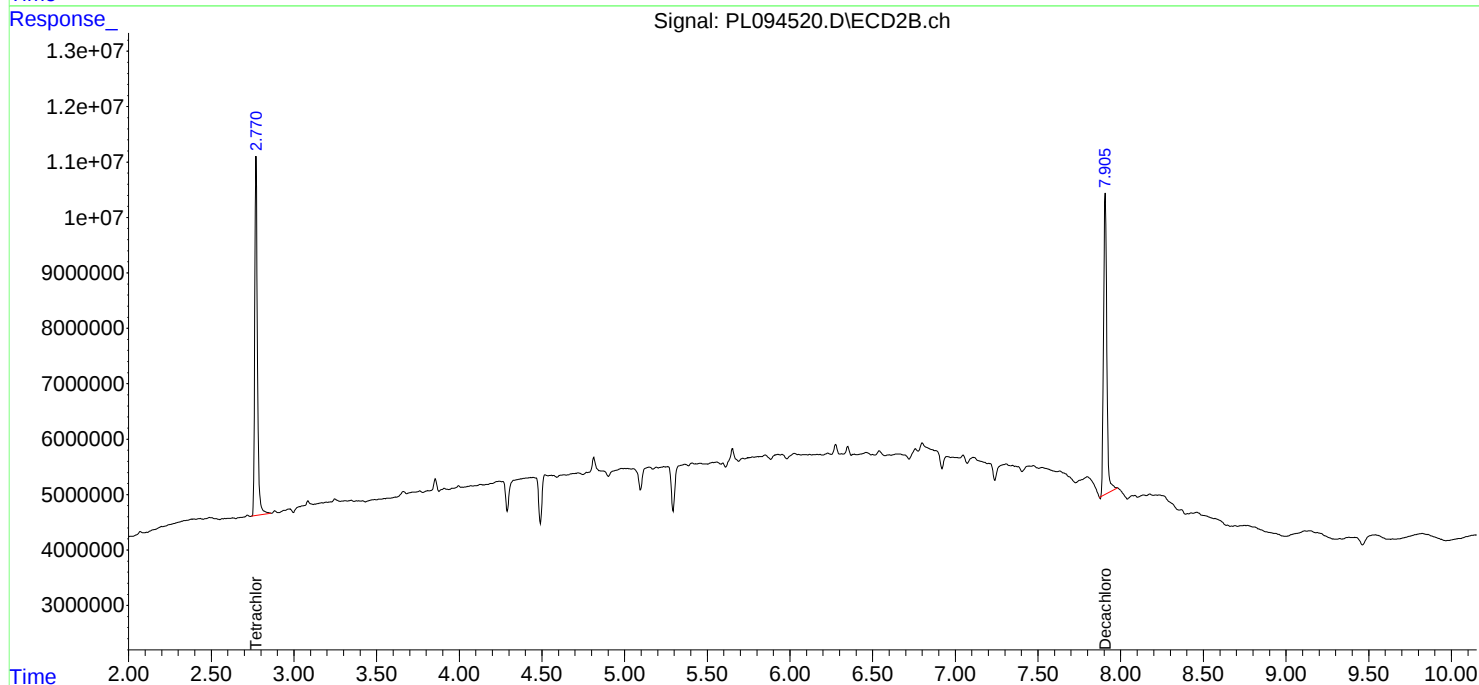
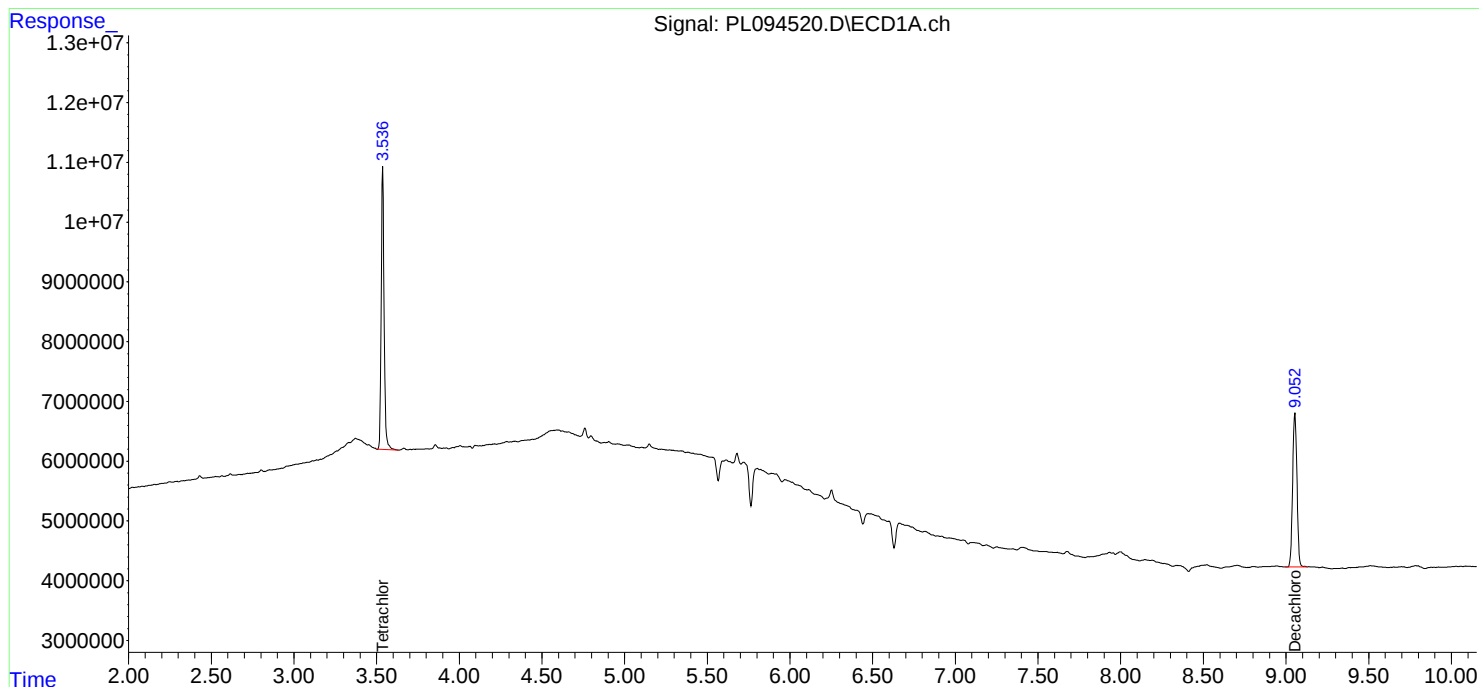
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

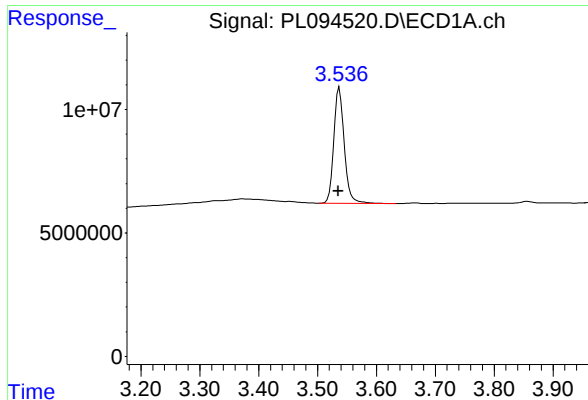
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
Data File : PL094520.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Mar 2025 19:49
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 06 00:38:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

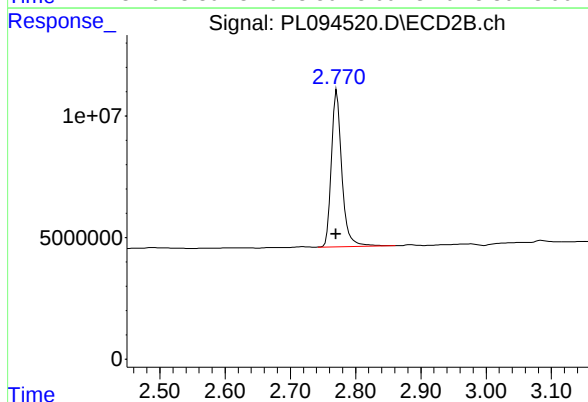




#1 Tetrachloro-m-xylene

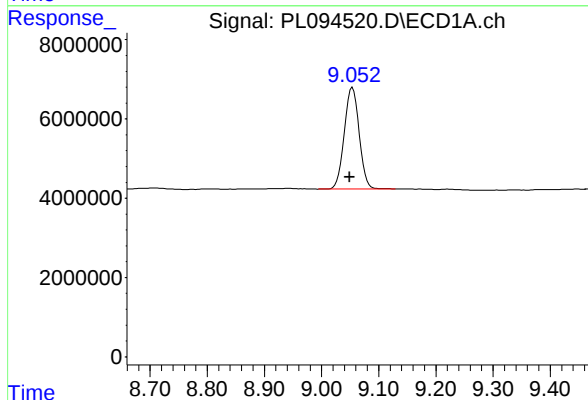
R.T.: 3.537 min
Delta R.T.: 0.002 min
Response: 58180317
Conc: 22.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



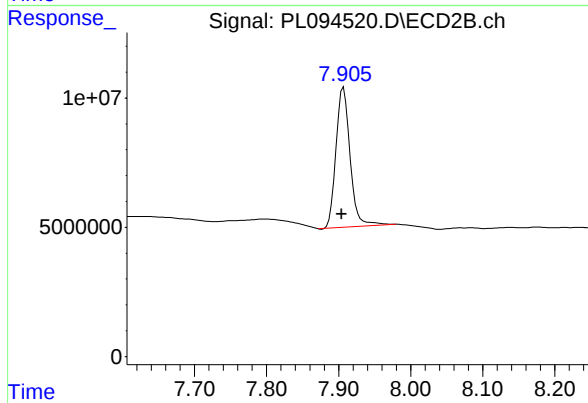
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.001 min
Response: 71903411
Conc: 22.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.005 min
Response: 46673967
Conc: 21.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.002 min
Response: 73817433
Conc: 19.20 ng/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	
Client Sample ID:	PB166986BS	SDG No.:	Q1487
Lab Sample ID:	PB166986BS	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
PL094501.D	1	03/05/25 09:10	03/05/25 14:59	PB166986

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.1		0.18	1.70	ug/kg
319-85-7	beta-BHC	17.6		0.49	1.70	ug/kg
319-86-8	delta-BHC	17.4		0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.9		0.19	1.70	ug/kg
76-44-8	Heptachlor	18.1		0.17	1.70	ug/kg
309-00-2	Aldrin	17.2		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	17.9		0.23	1.70	ug/kg
959-98-8	Endosulfan I	18.0		0.17	1.70	ug/kg
60-57-1	Dieldrin	18.1		0.15	1.70	ug/kg
72-55-9	4,4-DDE	19.0		0.13	1.70	ug/kg
72-20-8	Endrin	20.8		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	19.1		0.30	1.70	ug/kg
72-54-8	4,4-DDD	20.3		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	18.5		0.13	1.70	ug/kg
50-29-3	4,4-DDT	19.4		0.17	1.70	ug/kg
72-43-5	Methoxychlor	18.6		0.38	1.70	ug/kg
53494-70-5	Endrin ketone	19.2		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	17.6		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	18.3		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.2		0.19	1.70	ug/kg
8001-35-2	Toxaphene	33.0	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.9		20 - 144	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		19 - 148	108%	SPK: 20

Report of Analysis

Client:	JPCL Engineering		Date Collected:		
Project:	NYSDOT Two Bronx River Parkway Bridges		Date Received:		
Client Sample ID:	PB166986BS		SDG No.:	Q1487	
Lab Sample ID:	PB166986BS		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
PL094501.D	1	03/05/25 09:10	03/05/25 14:59	PB166986

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
 Data File : PL094501.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Mar 2025 14:59
 Operator : AR\AJ
 Sample : PB166986BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB166986BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 06 00:52:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 14:52:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.539	2.772	54847253	62870656	21.601	19.701
28)	SA Decachlor...	9.058	7.907	48675893	83139440	22.882	21.619
Target Compounds							
2)	A alpha-BHC	3.995	3.274	193.9E6	246.3E6	51.255	50.123
3)	MA gamma-BHC...	4.328	3.604	186.9E6	236.1E6	50.595	50.124
4)	MA Heptachlor	4.916	3.942	184.4E6	247.8E6	54.378	52.501
5)	MB Aldrin	5.257	4.221	177.2E6	232.2E6	51.628	50.246
6)	B beta-BHC	4.527	3.904	84549703	103.8E6	52.946	52.173
7)	B delta-BHC	4.772	4.133	185.2E6	234.5E6	52.350m	49.526
8)	B Heptachlo...	5.684	4.724	162.0E6	222.7E6	53.760	52.335
9)	A Endosulfan I	6.070	5.094	148.8E6	214.2E6	54.150	53.719
10)	B gamma-Chl...	5.941	4.974	160.7E6	233.0E6	54.747	53.704
11)	B alpha-Chl...	6.020	5.038	159.1E6	230.0E6	54.910	53.260
12)	B 4,4'-DDE	6.194	5.226	149.0E6	228.4E6	57.068	54.372
13)	MA Dieldrin	6.345	5.358	154.9E6	237.3E6	54.362	54.167
14)	MA Endrin	6.574	5.634	130.2E6	213.0E6	51.012m	62.560
15)	B Endosulfa...	6.796	5.929	133.9E6	214.8E6	53.177	57.447
16)	A 4,4'-DDD	6.712	5.782	113.0E6	189.3E6	61.068	59.415
17)	MA 4,4'-DDT	7.025	6.032	120.9E6	207.4E6	57.585	58.301
18)	B Endrin al...	6.926	6.108	102.6E6	166.8E6	52.703	52.781
19)	B Endosulfa...	7.161	6.332	118.9E6	204.9E6	52.530	55.471
20)	A Methoxychlor	7.502	6.607	62069872	109.1E6	55.866	55.901
21)	B Endrin ke...	7.646	6.837	133.5E6	245.3E6	53.245	57.471
22)	Mirex	8.118	7.016	99907074	181.7E6	48.421	52.100

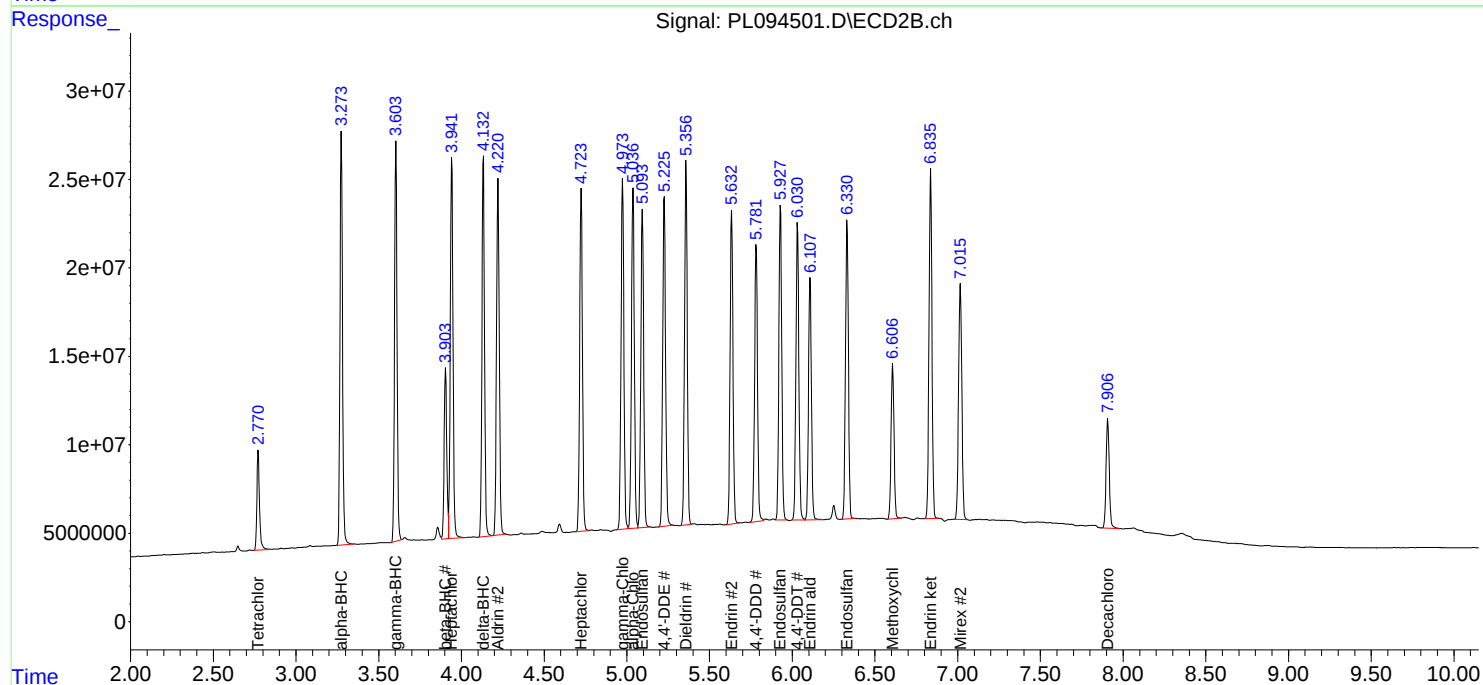
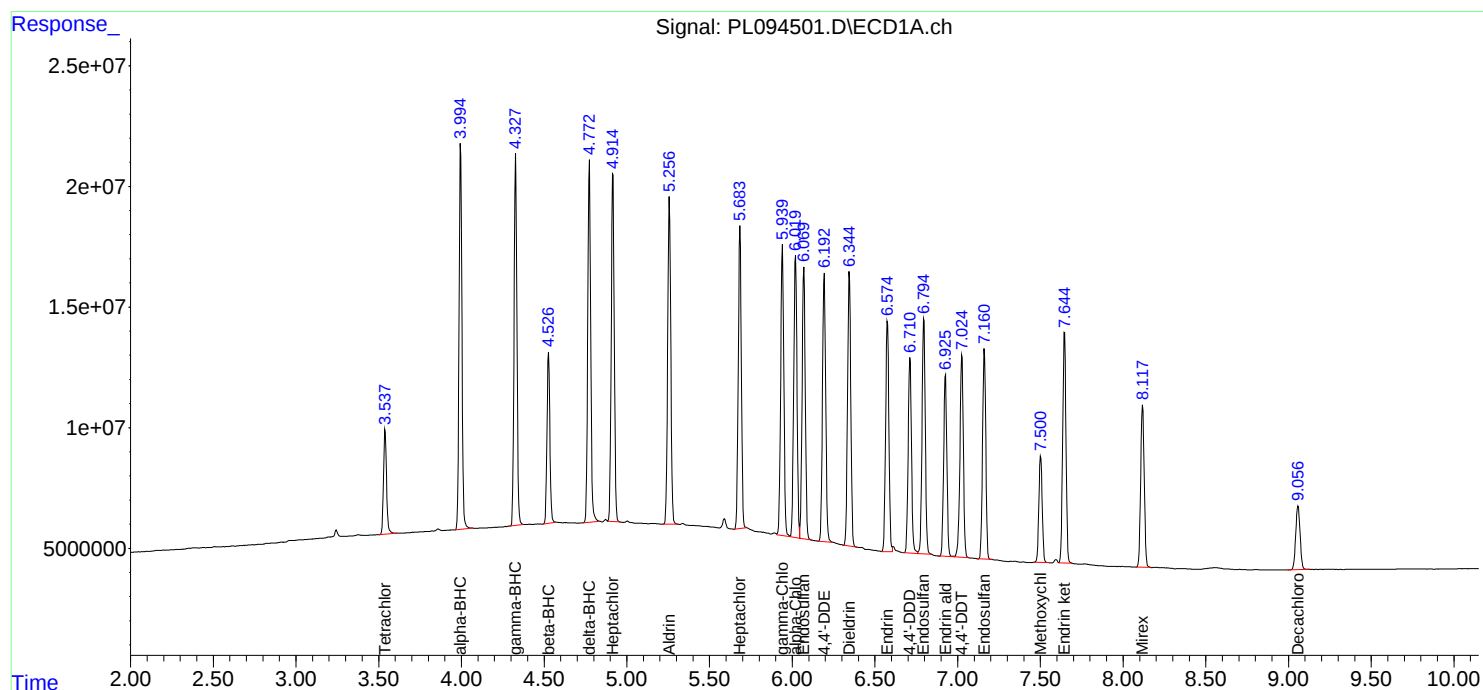
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
Data File : PL094501.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Mar 2025 14:59
Operator : AR\AJ
Sample : PB166986BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166986BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 06 00:52:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/04/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/04/25
Client Sample ID:	DN-B-41MS	SDG No.:	Q1487
Lab Sample ID:	Q1485-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.1 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
PL094516.D	1	03/05/25 09:10	03/05/25 18:54	PB166986

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	20.5		0.22	2.00	ug/kg
319-85-7	beta-BHC	21.2		0.59	2.00	ug/kg
319-86-8	delta-BHC	20.8		0.56	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	20.4		0.23	2.00	ug/kg
76-44-8	Heptachlor	21.4		0.20	2.00	ug/kg
309-00-2	Aldrin	20.3		0.17	2.00	ug/kg
1024-57-3	Heptachlor epoxide	20.7		0.28	2.00	ug/kg
959-98-8	Endosulfan I	21.2		0.20	2.00	ug/kg
60-57-1	Dieldrin	21.3		0.18	2.00	ug/kg
72-55-9	4,4-DDE	21.1		0.16	2.00	ug/kg
72-20-8	Endrin	24.9		0.19	2.00	ug/kg
33213-65-9	Endosulfan II	21.6		0.36	2.00	ug/kg
72-54-8	4,4-DDD	23.6		0.23	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	22.2		0.16	2.00	ug/kg
50-29-3	4,4-DDT	21.4		0.20	2.00	ug/kg
72-43-5	Methoxychlor	23.3		0.46	2.00	ug/kg
53494-70-5	Endrin ketone	20.0		0.26	2.00	ug/kg
7421-93-4	Endrin aldehyde	20.1		0.47	2.00	ug/kg
5103-71-9	alpha-Chlordane	21.2		0.20	2.00	ug/kg
5103-74-2	gamma-Chlordane	21.2		0.23	2.00	ug/kg
8001-35-2	Toxaphene	39.6	U	6.30	39.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.8		20 - 144	109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	26.0		19 - 148	130%	SPK: 20

Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/04/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/04/25
Client Sample ID:	DN-B-41MS	SDG No.:	Q1487
Lab Sample ID:	Q1485-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.1
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094516.D	1	03/05/25 09:10	03/05/25 18:54	PB166986

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
 Data File : PL094516.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Mar 2025 18:54
 Operator : AR\AJ
 Sample : Q1485-01MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 DN-B-41MS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 06 00:59:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 14:52:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.771	66036574	80631322	26.008	25.267
28)	SA Decachlor...	9.054	7.906	46275121	70805268	21.753	18.412
Target Compounds							
2)	A alpha-BHC	3.993	3.273	194.1E6	252.3E6	51.319	51.341
3)	MA gamma-BHC...	4.325	3.603	187.3E6	240.3E6	50.688	51.024
4)	MA Heptachlor	4.914	3.941	181.4E6	246.5E6	53.502	52.213
5)	MB Aldrin	5.255	4.220	174.5E6	228.5E6	50.848	49.454
6)	B beta-BHC	4.524	3.903	84464625	104.2E6	52.893	52.405
7)	B delta-BHC	4.771	4.132	183.9E6	237.8E6	51.983	50.209
8)	B Heptachlo...	5.681	4.723	154.9E6	220.1E6	51.406	51.723
9)	A Endosulfan I	6.067	5.093	145.7E6	200.8E6	53.024	50.362
10)	B gamma-Chl...	5.938	4.973	153.2E6	230.3E6	52.190	53.074
11)	B alpha-Chl...	6.017	5.036	153.4E6	225.8E6	52.939	52.295
12)	B 4,4'-DDE	6.191	5.225	137.5E6	221.3E6	52.645	52.698
13)	MA Dieldrin	6.343	5.357	149.5E6	232.8E6	52.457	53.136
14)	MA Endrin	6.572	5.631	124.2E6	212.3E6	48.679m	62.342m#
15)	B Endosulfa...	6.792	5.927	130.8E6	201.9E6	51.961m	53.984
16)	A 4,4'-DDD	6.708	5.780	109.2E6	181.0E6	59.051m	56.809
17)	MA 4,4'-DDT	7.023	6.030	112.1E6	184.9E6	53.361	51.994
18)	B Endrin al...	6.923	6.107	97935892	149.4E6	50.306	47.282
19)	B Endosulfa...	7.158	6.329	120.1E6	204.9E6	53.044	55.475
20)	A Methoxychlor	7.500	6.605	64726091	92565362	58.257	47.444
21)	B Endrin ke...	7.643	6.835	125.0E6	212.7E6	49.876	49.840
22)	Mirex	8.115	7.015	95222036	157.1E6	46.150m	45.062

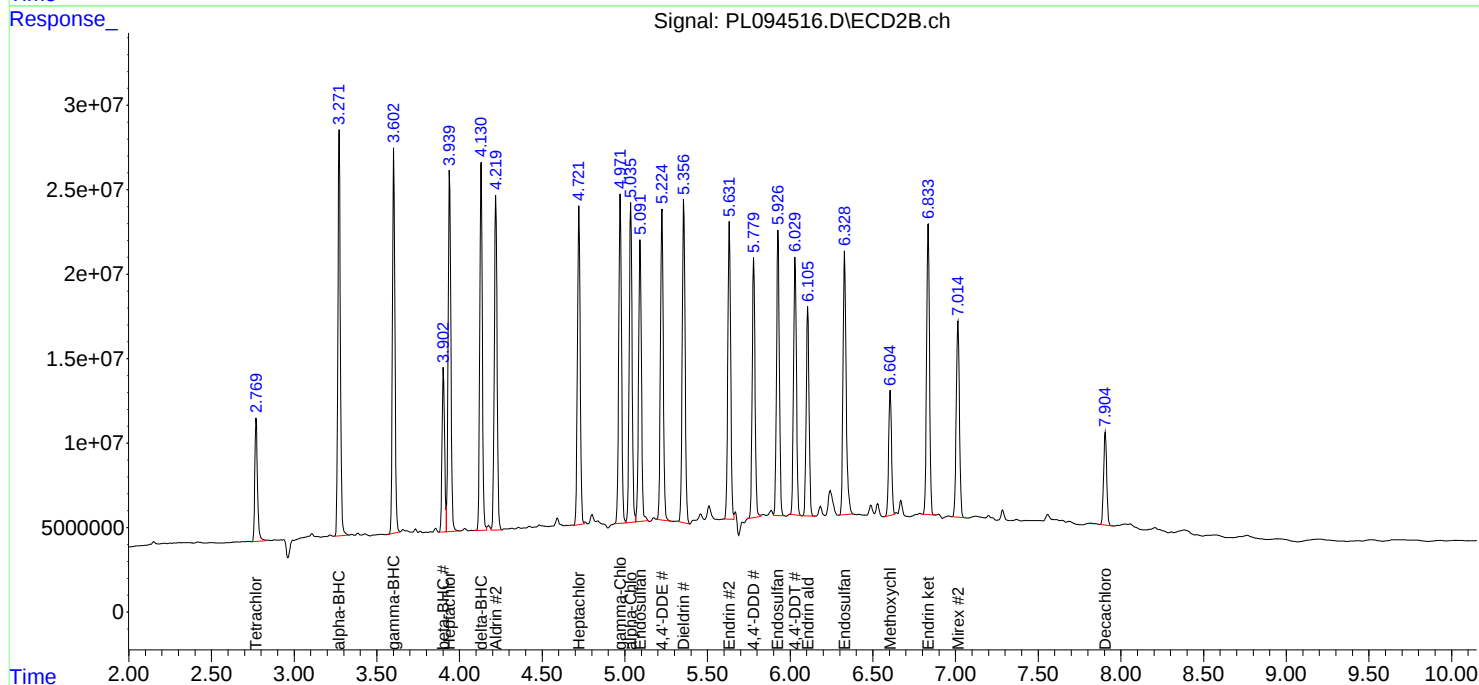
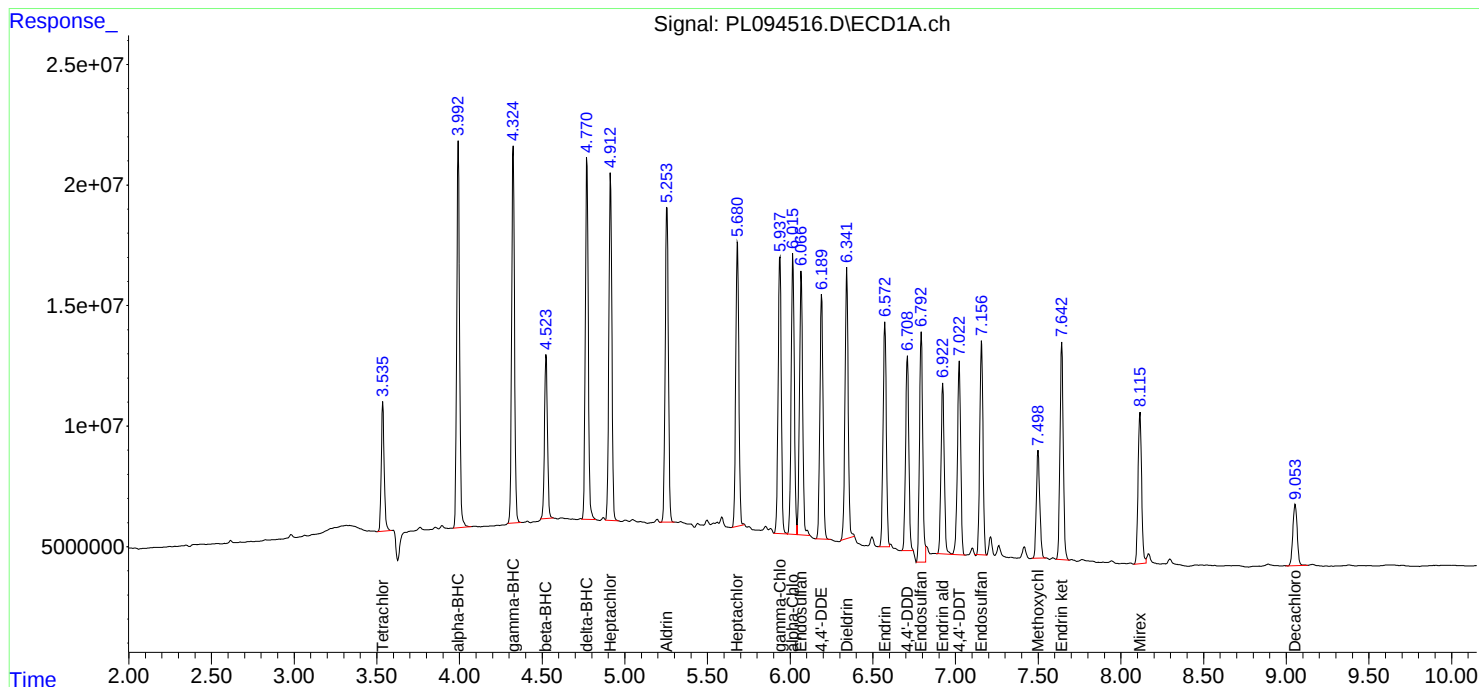
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
Data File : PL094516.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Mar 2025 18:54
Operator : AR\AJ
Sample : Q1485-01MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
DN-B-41MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 06 00:59:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/04/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/04/25
Client Sample ID:	DN-B-41MSD	SDG No.:	Q1487
Lab Sample ID:	Q1485-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.1 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094517.D	1	03/05/25 09:10	03/05/25 19:08	PB166986

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	20.2		0.22	2.00	ug/kg
319-85-7	beta-BHC	21.0		0.59	2.00	ug/kg
319-86-8	delta-BHC	20.6		0.56	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	20.1		0.23	2.00	ug/kg
76-44-8	Heptachlor	21.0		0.20	2.00	ug/kg
309-00-2	Aldrin	20.2		0.17	2.00	ug/kg
1024-57-3	Heptachlor epoxide	20.7		0.28	2.00	ug/kg
959-98-8	Endosulfan I	20.9		0.20	2.00	ug/kg
60-57-1	Dieldrin	21.2		0.18	2.00	ug/kg
72-55-9	4,4-DDE	21.1		0.16	2.00	ug/kg
72-20-8	Endrin	24.4		0.19	2.00	ug/kg
33213-65-9	Endosulfan II	21.4		0.36	2.00	ug/kg
72-54-8	4,4-DDD	24.0		0.23	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	22.1		0.16	2.00	ug/kg
50-29-3	4,4-DDT	21.6		0.20	2.00	ug/kg
72-43-5	Methoxychlor	23.5		0.46	2.00	ug/kg
53494-70-5	Endrin ketone	20.3		0.26	2.00	ug/kg
7421-93-4	Endrin aldehyde	20.6		0.47	2.00	ug/kg
5103-71-9	alpha-Chlordane	21.1		0.20	2.00	ug/kg
5103-74-2	gamma-Chlordane	21.2		0.23	2.00	ug/kg
8001-35-2	Toxaphene	39.6	U	6.30	39.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		20 - 144	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.8		19 - 148	129%	SPK: 20

Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/04/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/04/25
Client Sample ID:	DN-B-41MSD	SDG No.:	Q1487
Lab Sample ID:	Q1485-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.1
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094517.D	1	03/05/25 09:10	03/05/25 19:08	PB166986

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
 Data File : PL094517.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Mar 2025 19:08
 Operator : AR\AJ
 Sample : Q1485-01MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 DN-B-41MSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 06 00:59:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 14:52:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.537	2.771	65413515	79431117	25.762	24.891
28) SA Decachlor...	9.053	7.906	47152251	70555513	22.166	18.347
Target Compounds						
2) A alpha-BHC	3.993	3.273	190.8E6	248.3E6	50.442	50.523
3) MA gamma-BHC...	4.325	3.603	183.9E6	237.3E6	49.782	50.375
4) MA Heptachlor	4.914	3.941	178.0E6	246.1E6	52.488	52.142
5) MB Aldrin	5.255	4.221	173.2E6	228.8E6	50.467	49.526
6) B beta-BHC	4.525	3.904	83468369	104.3E6	52.269	52.462
7) B delta-BHC	4.770	4.132	182.7E6	238.0E6	51.632m	50.263
8) B Heptachlo...	5.682	4.723	155.7E6	217.0E6	51.674	50.996
9) A Endosulfan I	6.066	5.092	144.0E6	199.8E6	52.379m	50.120m
10) B gamma-Chl...	5.938	4.973	153.4E6	229.5E6	52.246	52.896
11) B alpha-Chl...	6.017	5.037	152.8E6	225.6E6	52.751	52.251
12) B 4,4'-DDE	6.191	5.225	136.1E6	222.0E6	52.095	52.847
13) MA Dieldrin	6.343	5.357	151.1E6	232.7E6	53.024	53.116
14) MA Endrin	6.571	5.631	124.4E6	207.6E6	48.722m	60.969m#
15) B Endosulfa...	6.792	5.928	133.5E6	200.0E6	53.024m	53.472
16) A 4,4'-DDD	6.707	5.779	110.9E6	175.3E6	59.978m	55.033m
17) MA 4,4'-DDT	7.022	6.030	113.5E6	187.8E6	54.044	52.790
18) B Endrin al...	6.923	6.107	100.3E6	154.4E6	51.519	48.859
19) B Endosulfa...	7.156	6.330	121.8E6	203.7E6	53.787m	55.154
20) A Methoxychlor	7.499	6.606	65280904	94201449	58.756	48.283
21) B Endrin ke...	7.643	6.835	126.7E6	216.1E6	50.547	50.646
22) Mirex	8.115	7.014	90442707	160.0E6	43.834	45.894

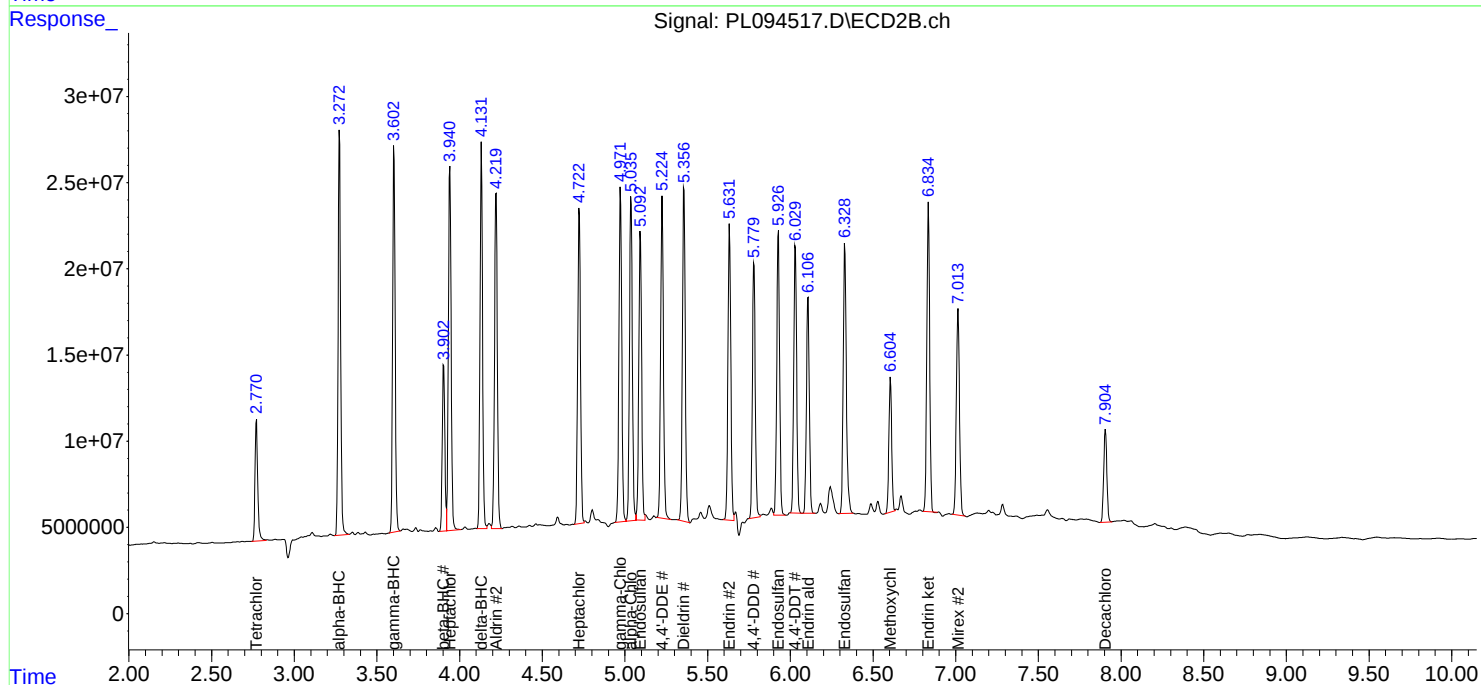
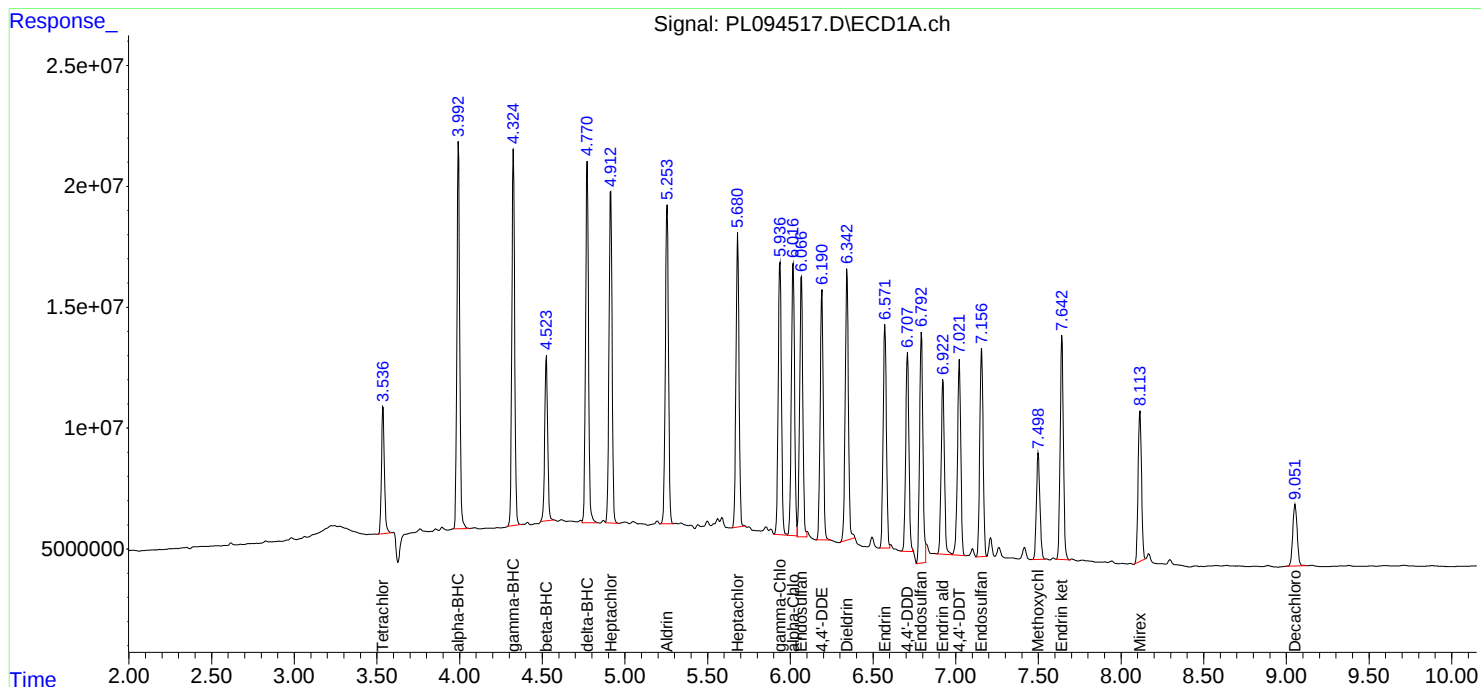
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030525\
Data File : PL094517.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Mar 2025 19:08
Operator : AR\AJ
Sample : Q1485-01MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
DN-B-41MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 06 00:59:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Manual Integration Report

Sequence:	pl022125	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094324.D	4,4"-DDD	Abdul	2/22/2025 8:32:57 PM	Ankita	2/24/2025 9:37:17	Peak Integrated by Software
PEM	PL094324.D	4,4"-DDE	Abdul	2/22/2025 8:32:57 PM	Ankita	2/24/2025 9:37:17	Peak Integrated by Software
PEM	PL094324.D	4,4"-DDE #2	Abdul	2/22/2025 8:32:57 PM	Ankita	2/24/2025 9:37:17	Peak Integrated by Software
PEM	PL094324.D	Endrin ketone	Abdul	2/22/2025 8:32:57 PM	Ankita	2/24/2025 9:37:17	Peak Integrated by Software
RESCHK	PL094325.D	Decachlorobiphenyl	Abdul	2/22/2025 8:33:00 PM	Ankita	2/24/2025 9:37:18	Peak Integrated by Software
RESCHK	PL094325.D	gamma-Chlordane	Abdul	2/22/2025 8:33:00 PM	Ankita	2/24/2025 9:37:18	Peak Integrated by Software
PSTDICC005	PL094330.D	Endrin #2	Abdul	2/22/2025 8:33:04 PM	Ankita	2/24/2025 9:37:20	Peak Integrated by Software
PSTDICC005	PL094330.D	Endrin ketone	Abdul	2/22/2025 8:33:04 PM	Ankita	2/24/2025 9:37:20	Peak Integrated by Software
PCHLORICV500	PL094342.D	Chlordane-1 #2	Abdul	2/22/2025 8:33:08 PM	Ankita	2/24/2025 9:37:21	Peak Integrated by Software
PCHLORICV500	PL094342.D	Chlordane-2	Abdul	2/22/2025 8:33:08 PM	Ankita	2/24/2025 9:37:21	Peak Integrated by Software
PCHLORICV500	PL094342.D	Chlordane-3 #2	Abdul	2/22/2025 8:33:08 PM	Ankita	2/24/2025 9:37:21	Peak Integrated by Software
PCHLORICV500	PL094342.D	Chlordane-5	Abdul	2/22/2025 8:33:08 PM	Ankita	2/24/2025 9:37:21	Peak Integrated by Software
PEM	PL094345.D	4,4"-DDE	Abdul	2/22/2025 8:33:12 PM	Ankita	2/24/2025 9:37:23	Peak Integrated by Software

Manual Integration Report

Sequence:

pl022125

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094345.D	4,4"-DDE #2	Abdul	2/22/2025 8:33:12 PM	Ankita	2/24/2025 9:37:23	Peak Integrated by Software
PEM	PL094345.D	Endrin	Abdul	2/22/2025 8:33:12 PM	Ankita	2/24/2025 9:37:23	Peak Integrated by Software
I.BLK	PL094359.D	Tetrachloro-m-xylene #2	Abdul	2/24/2025 8:32:05 AM	Ankita	2/24/2025 9:37:57	Peak Integrated by Software
PSTDCCC050	PL094369.D	4,4"-DDE #2	Abdul	2/22/2025 8:34:27 PM	Ankita	2/24/2025 9:38:22	Peak Integrated by Software
PSTDCCC050	PL094369.D	Endrin	Abdul	2/22/2025 8:34:27 PM	Ankita	2/24/2025 9:38:22	Peak Integrated by Software

Manual Integration Report

Sequence:	PL030525	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094498.D	4,4"-DDD	Abdul	3/6/2025 12:58:46 PM	 	 	Peak Integrated by Software
PEM	PL094498.D	4,4"-DDE	Abdul	3/6/2025 12:58:46 PM	 	 	Peak Integrated by Software
PEM	PL094498.D	4,4"-DDE #2	Abdul	3/6/2025 12:58:46 PM	 	 	Peak Integrated by Software
PEM	PL094498.D	Endrin	Abdul	3/6/2025 12:58:46 PM	 	 	Peak Integrated by Software
PSTDCCC050	PL094499.D	4,4"-DDE #2	Abdul	3/6/2025 12:58:50 PM	 	 	Peak Integrated by Software
PSTDCCC050	PL094499.D	Endosulfan II #2	Abdul	3/6/2025 12:58:50 PM	 	 	Peak Integrated by Software
PSTDCCC050	PL094499.D	Endrin	Abdul	3/6/2025 12:58:50 PM	 	 	Peak Integrated by Software
PSTDCCC050	PL094499.D	Endrin ketone #2	Abdul	3/6/2025 12:58:50 PM	 	 	Peak Integrated by Software
PB166986BL	PL094500.D	Decachlorobiphenyl	Abdul	3/6/2025 12:58:54 PM	 	 	Peak Integrated by Software
PB166986BS	PL094501.D	delta-BHC	Abdul	3/6/2025 12:58:58 PM	 	 	Peak Integrated by Software
PB166986BS	PL094501.D	Endrin	Abdul	3/6/2025 12:58:58 PM	 	 	Peak Integrated by Software
PSTDCCC050	PL094511.D	4,4"-DDE #2	Abdul	3/6/2025 12:59:33 PM	 	 	Peak Integrated by Software
PSTDCCC050	PL094511.D	Endosulfan II #2	Abdul	3/6/2025 12:59:33 PM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:

PL030525

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094511.D	Endrin	Abdul	3/6/2025 12:59:33 PM	 	 	Peak Integrated by Software
PSTDCCC050	PL094511.D	Endrin #2	Abdul	3/6/2025 12:59:33 PM	 	 	Peak Integrated by Software
PSTDCCC050	PL094511.D	Endrin ketone #2	Abdul	3/6/2025 12:59:33 PM	 	 	Peak Integrated by Software
PSTDCCC050	PL094511.D	Methoxychlor	Abdul	3/6/2025 12:59:33 PM	 	 	Peak Integrated by Software
Q1485-01MS	PL094516.D	4,4"-DDD	Abdul	3/6/2025 1:00:18 PM	 	 	Peak Integrated by Software
Q1485-01MS	PL094516.D	Endosulfan II	Abdul	3/6/2025 1:00:18 PM	 	 	Peak Integrated by Software
Q1485-01MS	PL094516.D	Endrin	Abdul	3/6/2025 1:00:18 PM	 	 	Peak Integrated by Software
Q1485-01MS	PL094516.D	Endrin #2	Abdul	3/6/2025 1:00:18 PM	 	 	Peak Integrated by Software
Q1485-01MS	PL094516.D	Mirex	Abdul	3/6/2025 1:00:18 PM	 	 	Peak Integrated by Software
Q1485-01MSD	PL094517.D	4,4"-DDD	Abdul	3/6/2025 12:59:51 PM	 	 	Peak Integrated by Software
Q1485-01MSD	PL094517.D	4,4"-DDD #2	Abdul	3/6/2025 12:59:51 PM	 	 	Peak Integrated by Software
Q1485-01MSD	PL094517.D	delta-BHC	Abdul	3/6/2025 12:59:51 PM	 	 	Peak Integrated by Software
Q1485-01MSD	PL094517.D	Endosulfan I	Abdul	3/6/2025 12:59:51 PM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:	PL030525	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1485-01MSD	PL094517.D	Endosulfan I #2	Abdul	3/6/2025 12:59:51 PM	 	 	Peak Integrated by Software
Q1485-01MSD	PL094517.D	Endosulfan II	Abdul	3/6/2025 12:59:51 PM	 	 	Peak Integrated by Software
Q1485-01MSD	PL094517.D	Endosulfan Sulfate	Abdul	3/6/2025 12:59:51 PM	 	 	Peak Integrated by Software
Q1485-01MSD	PL094517.D	Endrin	Abdul	3/6/2025 12:59:51 PM	 	 	Peak Integrated by Software
Q1485-01MSD	PL094517.D	Endrin #2	Abdul	3/6/2025 12:59:51 PM	 	 	Peak Integrated by Software
Q1487-01	PL094519.D	beta-BHC	Abdul	3/6/2025 1:00:00 PM	 	 	Peak Integrated by Software
Q1487-01	PL094519.D	Decachlorobiphenyl #2	Abdul	3/6/2025 1:00:00 PM	 	 	Peak Integrated by Software
Q1487-01	PL094519.D	Tetrachloro-m-xylene	Abdul	3/6/2025 1:00:00 PM	 	 	Peak Integrated by Software
PSTDCCC050	PL094521.D	4,4"-DDE #2	Abdul	3/6/2025 1:00:04 PM	 	 	Peak Integrated by Software
PSTDCCC050	PL094521.D	delta-BHC	Abdul	3/6/2025 1:00:04 PM	 	 	Peak Integrated by Software
PSTDCCC050	PL094521.D	Endosulfan II #2	Abdul	3/6/2025 1:00:04 PM	 	 	Peak Integrated by Software
PSTDCCC050	PL094521.D	Endrin	Abdul	3/6/2025 1:00:04 PM	 	 	Peak Integrated by Software
PSTDCCC050	PL094521.D	Endrin #2	Abdul	3/6/2025 1:00:04 PM	 	 	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PL030525

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094521.D	Endrin ketone #2	Abdul	3/6/2025 1:00:04 PM	 	 	Peak Integrated by Software
PSTDCCC050	PL094521.D	gamma-Chlordane	Abdul	3/6/2025 1:00:04 PM	 	 	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL022125

Review By	Abdul	Review On	2/22/2025 8:36:26 PM
Supervise By	Ankita	Supervise On	2/24/2025 9:38:38 AM
SubDirectory	PL022125	HP Acquire Method	HP Processing Method pl022125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
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	PL094322.D	21 Feb 2025 10:01	AR\AJ	Ok
2	I.BLK	PL094323.D	21 Feb 2025 10:15	AR\AJ	Ok
3	PEM	PL094324.D	21 Feb 2025 10:29	AR\AJ	Ok,M
4	RESCHK	PL094325.D	21 Feb 2025 10:42	AR\AJ	Ok,M
5	PSTDICC100	PL094326.D	21 Feb 2025 10:56	AR\AJ	Ok
6	PSTDICC075	PL094327.D	21 Feb 2025 11:10	AR\AJ	Ok
7	PSTDICC050	PL094328.D	21 Feb 2025 11:23	AR\AJ	Ok
8	PSTDICC025	PL094329.D	21 Feb 2025 11:37	AR\AJ	Ok
9	PSTDICC005	PL094330.D	21 Feb 2025 11:51	AR\AJ	Ok,M
10	PCHLORICC1000	PL094331.D	21 Feb 2025 12:04	AR\AJ	Ok
11	PCHLORICC750	PL094332.D	21 Feb 2025 12:18	AR\AJ	Ok
12	PCHLORICC500	PL094333.D	21 Feb 2025 12:32	AR\AJ	Ok
13	PCHLORICC250	PL094334.D	21 Feb 2025 12:45	AR\AJ	Ok
14	PCHLORICC050	PL094335.D	21 Feb 2025 12:59	AR\AJ	Ok
15	PTOXICC1000	PL094336.D	21 Feb 2025 13:13	AR\AJ	Ok
16	PTOXICC750	PL094337.D	21 Feb 2025 13:26	AR\AJ	Ok
17	PTOXICC500	PL094338.D	21 Feb 2025 13:40	AR\AJ	Ok
18	PTOXICC250	PL094339.D	21 Feb 2025 13:54	AR\AJ	Ok
19	PTOXICC100	PL094340.D	21 Feb 2025 14:07	AR\AJ	Ok
20	PSTDICV050	PL094341.D	21 Feb 2025 14:21	AR\AJ	Ok
21	PCHLORICV500	PL094342.D	21 Feb 2025 14:35	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL022125

Review By	Abdul	Review On	2/22/2025 8:36:26 PM
Supervise By	Ankita	Supervise On	2/24/2025 9:38:38 AM
SubDirectory	PL022125	HP Acquire Method	HP Processing Method pl022125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
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	PL094343.D	21 Feb 2025 15:02	AR\AJ	Ok
23	I.BLK	PL094344.D	21 Feb 2025 15:29	AR\AJ	Ok
24	PEM	PL094345.D	21 Feb 2025 15:43	AR\AJ	Ok,M
25	PSTDCCC050	PL094346.D	21 Feb 2025 15:57	AR\AJ	Ok
26	PB166822BL	PL094347.D	21 Feb 2025 16:10	AR\AJ	Ok
27	PB166822BS	PL094348.D	21 Feb 2025 16:24	AR\AJ	Not Ok
28	Q1395-01	PL094349.D	21 Feb 2025 16:38	AR\AJ	Ok,M
29	Q1397-01	PL094350.D	21 Feb 2025 16:52	AR\AJ	Ok,M
30	Q1397-03	PL094351.D	21 Feb 2025 17:05	AR\AJ	Ok,M
31	Q1397-05	PL094352.D	21 Feb 2025 17:19	AR\AJ	Ok,M
32	Q1397-05MS	PL094353.D	21 Feb 2025 17:33	AR\AJ	Ok,M
33	Q1397-05MSD	PL094354.D	21 Feb 2025 17:47	AR\AJ	Ok,M
34	Q1398-01	PL094355.D	21 Feb 2025 18:00	AR\AJ	Ok,M
35	Q1398-03	PL094356.D	21 Feb 2025 18:14	AR\AJ	Ok,M
36	Q1399-01	PL094357.D	21 Feb 2025 18:28	AR\AJ	Ok,M
37	Q1400-01	PL094358.D	21 Feb 2025 18:42	AR\AJ	Ok,M
38	I.BLK	PL094359.D	21 Feb 2025 18:55	AR\AJ	Ok,M
39	PSTDCCC050	PL094360.D	21 Feb 2025 19:09	AR\AJ	Ok
40	Q1393-05	PL094361.D	21 Feb 2025 19:36	AR\AJ	Ok,M
41	PB166798BL	PL094362.D	21 Feb 2025 19:50	AR\AJ	Ok
42	PB166798BS	PL094363.D	21 Feb 2025 20:04	AR\AJ	Ok,M
43	Q1388-01	PL094364.D	21 Feb 2025 20:18	AR\AJ	Ok,M
44	Q1393-01	PL094365.D	21 Feb 2025 20:31	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL022125

Review By	Abdul	Review On	2/22/2025 8:36:26 PM
Supervise By	Ankita	Supervise On	2/24/2025 9:38:38 AM
SubDirectory	PL022125	HP Acquire Method	HP Processing Method pl022125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	Q1393-01MS	PL094366.D	21 Feb 2025 20:45	AR\AJ	Ok,M
46	Q1393-01MSD	PL094367.D	21 Feb 2025 20:59	AR\AJ	Ok,M
47	I.BLK	PL094368.D	21 Feb 2025 21:13	AR\AJ	Ok
48	PSTDCCC050	PL094369.D	21 Feb 2025 21:26	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL030525

Review By	Abdul	Review On	3/6/2025 1:00:31 PM
Supervise By		Supervise On	
SubDirectory	PL030525	HP Acquire Method	HP Processing Method pl022125 8151
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	P23686,PP23690,PPP23695		
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	PL094496.D	05 Mar 2025 08:44	AR\AJ	Ok
2	I.BLK	PL094497.D	05 Mar 2025 08:58	AR\AJ	Ok
3	PEM	PL094498.D	05 Mar 2025 09:12	AR\AJ	Ok,NS
4	PSTDCCC050	PL094499.D	05 Mar 2025 09:25	AR\AJ	Ok,NS
5	PB166986BL	PL094500.D	05 Mar 2025 14:46	AR\AJ	Ok,NS
6	PB166986BS	PL094501.D	05 Mar 2025 14:59	AR\AJ	Ok,NS
7	Q1489-01	PL094502.D	05 Mar 2025 15:23	AR\AJ	Ok,NS
8	Q1489-05	PL094503.D	05 Mar 2025 15:37	AR\AJ	Ok,NS
9	Q1489-09	PL094504.D	05 Mar 2025 15:51	AR\AJ	Ok,NS
10	Q1489-13	PL094505.D	05 Mar 2025 16:04	AR\AJ	Ok,NS
11	PB166983BL	PL094506.D	05 Mar 2025 16:18	AR\AJ	Ok
12	PB166983BS	PL094507.D	05 Mar 2025 16:46	AR\AJ	Ok,NS
13	PB166983BSD	PL094508.D	05 Mar 2025 17:05	AR\AJ	Ok,NS
14	Q1480-33	PL094509.D	05 Mar 2025 17:18	AR\AJ	Not Ok
15	I.BLK	PL094510.D	05 Mar 2025 17:32	AR\AJ	Ok
16	PSTDCCC050	PL094511.D	05 Mar 2025 17:46	AR\AJ	Ok,NS
17	Q1481-01	PL094512.D	05 Mar 2025 17:59	AR\AJ	Ok,NS
18	Q1482-01	PL094513.D	05 Mar 2025 18:13	AR\AJ	Ok,NS
19	Q1484-01	PL094514.D	05 Mar 2025 18:27	AR\AJ	Ok,NS
20	Q1485-01	PL094515.D	05 Mar 2025 18:40	AR\AJ	Ok,NS
21	Q1485-01MS	PL094516.D	05 Mar 2025 18:54	AR\AJ	Ok,NS

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL030525

Review By	Abdul	Review On	3/6/2025 1:00:31 PM
Supervise By		Supervise On	
SubDirectory	PL030525	HP Acquire Method	HP Processing Method pl022125 8151
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	P23686,PP23690,PPP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1485-01MSD	PL094517.D	05 Mar 2025 19:08	AR\AJ	Ok,NS
23	Q1486-01	PL094518.D	05 Mar 2025 19:22	AR\AJ	Ok,NS
24	Q1487-01	PL094519.D	05 Mar 2025 19:35	AR\AJ	Ok,NS
25	I.BLK	PL094520.D	05 Mar 2025 19:49	AR\AJ	Ok
26	PSTDCCC050	PL094521.D	05 Mar 2025 20:02	AR\AJ	Ok,NS

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL022125

Review By	Abdul	Review On	2/22/2025 8:36:26 PM
Supervise By	Ankita	Supervise On	2/24/2025 9:38:38 AM
SubDirectory	PL022125	HP Acquire Method	HP Processing Method pl022125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
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	PL094322.D	21 Feb 2025 10:01		AR\AJ	Ok
2	I.BLK	I.BLK	PL094323.D	21 Feb 2025 10:15		AR\AJ	Ok
3	PEM	PEM	PL094324.D	21 Feb 2025 10:29		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL094325.D	21 Feb 2025 10:42		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL094326.D	21 Feb 2025 10:56		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL094327.D	21 Feb 2025 11:10		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL094328.D	21 Feb 2025 11:23		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL094329.D	21 Feb 2025 11:37		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL094330.D	21 Feb 2025 11:51		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL094331.D	21 Feb 2025 12:04		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL094332.D	21 Feb 2025 12:18		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL094333.D	21 Feb 2025 12:32		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL094334.D	21 Feb 2025 12:45		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL094335.D	21 Feb 2025 12:59		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL094336.D	21 Feb 2025 13:13		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL094337.D	21 Feb 2025 13:26		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL094338.D	21 Feb 2025 13:40		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL094339.D	21 Feb 2025 13:54		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL022125

Review By	Abdul	Review On	2/22/2025 8:36:26 PM
Supervise By	Ankita	Supervise On	2/24/2025 9:38:38 AM
SubDirectory	PL022125	HP Acquire Method	HP Processing Method pl022125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
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	PL094340.D	21 Feb 2025 14:07		AR\AJ	Ok
20	PSTDICV050	ICVPL022125	PL094341.D	21 Feb 2025 14:21		AR\AJ	Ok
21	PCHLORICV500	ICVPL022125CHLOR	PL094342.D	21 Feb 2025 14:35		AR\AJ	Ok,M
22	PTOXICV500	ICVPL022125TOX	PL094343.D	21 Feb 2025 15:02		AR\AJ	Ok
23	I.BLK	I.BLK	PL094344.D	21 Feb 2025 15:29	TCMX high in 1st column	AR\AJ	Ok
24	PEM	PEM	PL094345.D	21 Feb 2025 15:43		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL094346.D	21 Feb 2025 15:57		AR\AJ	Ok
26	PB166822BL	PB166822BL	PL094347.D	21 Feb 2025 16:10		AR\AJ	Ok
27	PB166822BS	PB166822BS	PL094348.D	21 Feb 2025 16:24	Comp#2,3,7 recovery fail	AR\AJ	Not Ok
28	Q1395-01	BEL-25-0005	PL094349.D	21 Feb 2025 16:38		AR\AJ	Ok,M
29	Q1397-01	STOCK-PILE	PL094350.D	21 Feb 2025 16:52		AR\AJ	Ok,M
30	Q1397-03	TP7	PL094351.D	21 Feb 2025 17:05		AR\AJ	Ok,M
31	Q1397-05	TP8	PL094352.D	21 Feb 2025 17:19		AR\AJ	Ok,M
32	Q1397-05MS	TP8MS	PL094353.D	21 Feb 2025 17:33		AR\AJ	Ok,M
33	Q1397-05MSD	TP8MSD	PL094354.D	21 Feb 2025 17:47		AR\AJ	Ok,M
34	Q1398-01	BUS-DISCONNECT	PL094355.D	21 Feb 2025 18:00		AR\AJ	Ok,M
35	Q1398-03	HANDHOLD	PL094356.D	21 Feb 2025 18:14		AR\AJ	Ok,M
36	Q1399-01	SU-04-02202025	PL094357.D	21 Feb 2025 18:28		AR\AJ	Ok,M
37	Q1400-01	EO-02-02202025	PL094358.D	21 Feb 2025 18:42		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL022125

Review By	Abdul	Review On	2/22/2025 8:36:26 PM
Supervise By	Ankita	Supervise On	2/24/2025 9:38:38 AM
SubDirectory	PL022125	HP Acquire Method	HP Processing Method pl022125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
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	I.BLK	I.BLK	PL094359.D	21 Feb 2025 18:55	TCMX high in both column	AR\AJ	Ok,M
39	PSTDCCC050	PSTDCCC050	PL094360.D	21 Feb 2025 19:09		AR\AJ	Ok
40	Q1393-05	PURGE-WATER-COMP	PL094361.D	21 Feb 2025 19:36	TCMX low in 1st column	AR\AJ	Ok,M
41	PB166798BL	PB166798BL	PL094362.D	21 Feb 2025 19:50		AR\AJ	Ok
42	PB166798BS	PB166798BS	PL094363.D	21 Feb 2025 20:04		AR\AJ	Ok,M
43	Q1388-01	72-12016	PL094364.D	21 Feb 2025 20:18		AR\AJ	Ok,M
44	Q1393-01	SOIL-COMP	PL094365.D	21 Feb 2025 20:31		AR\AJ	Ok,M
45	Q1393-01MS	SOIL-COMPMS	PL094366.D	21 Feb 2025 20:45	Comp#17 recovery fail	AR\AJ	Ok,M
46	Q1393-01MSD	SOIL-COMPMSD	PL094367.D	21 Feb 2025 20:59	Comp#17 recovery fail	AR\AJ	Ok,M
47	I.BLK	I.BLK	PL094368.D	21 Feb 2025 21:13	TCMX high in 2nd column	AR\AJ	Ok
48	PSTDCCC050	PSTDCCC050	PL094369.D	21 Feb 2025 21:26		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL030525

Review By	Abdul	Review On	3/6/2025 1:00:31 PM
Supervise By		Supervise On	
SubDirectory	PL030525	HP Acquire Method	HP Processing Method pl022125 8151

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	P23686,PP23690,PPP23695
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	PL094496.D	05 Mar 2025 08:44		AR\AJ	Ok
2	I.BLK	I.BLK	PL094497.D	05 Mar 2025 08:58		AR\AJ	Ok
3	PEM	PEM	PL094498.D	05 Mar 2025 09:12		AR\AJ	Ok,NS
4	PSTDCCC050	PSTDCCC050	PL094499.D	05 Mar 2025 09:25		AR\AJ	Ok,NS
5	PB166986BL	PB166986BL	PL094500.D	05 Mar 2025 14:46		AR\AJ	Ok,NS
6	PB166986BS	PB166986BS	PL094501.D	05 Mar 2025 14:59		AR\AJ	Ok,NS
7	Q1489-01	TP-1	PL094502.D	05 Mar 2025 15:23		AR\AJ	Ok,NS
8	Q1489-05	TP-2	PL094503.D	05 Mar 2025 15:37		AR\AJ	Ok,NS
9	Q1489-09	TP-3	PL094504.D	05 Mar 2025 15:51		AR\AJ	Ok,NS
10	Q1489-13	TP-4	PL094505.D	05 Mar 2025 16:04		AR\AJ	Ok,NS
11	PB166983BL	PB166983BL	PL094506.D	05 Mar 2025 16:18		AR\AJ	Ok
12	PB166983BS	PB166983BS	PL094507.D	05 Mar 2025 16:46		AR\AJ	Ok,NS
13	PB166983BSD	PB166983BSD	PL094508.D	05 Mar 2025 17:05		AR\AJ	Ok,NS
14	Q1480-33	TP-3-WATER-SAMPLE	PL094509.D	05 Mar 2025 17:18	TCMX & DCB having F flag in 1st column	AR\AJ	Not Ok
15	I.BLK	I.BLK	PL094510.D	05 Mar 2025 17:32		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PL094511.D	05 Mar 2025 17:46		AR\AJ	Ok,NS
17	Q1481-01	WC-K1311	PL094512.D	05 Mar 2025 17:59		AR\AJ	Ok,NS

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL030525

Review By	Abdul	Review On	3/6/2025 1:00:31 PM
Supervise By		Supervise On	
SubDirectory	PL030525	HP Acquire Method	HP Processing Method pl022125 8151
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	P23686,PP23690,PPP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q1482-01	OR-03-030425	PL094513.D	05 Mar 2025 18:13		AR\AJ	Ok,NS
19	Q1484-01	TR-OTR-COMP-01	PL094514.D	05 Mar 2025 18:27		AR\AJ	Ok,NS
20	Q1485-01	DN-B-41	PL094515.D	05 Mar 2025 18:40		AR\AJ	Ok,NS
21	Q1485-01MS	DN-B-41MS	PL094516.D	05 Mar 2025 18:54		AR\AJ	Ok,NS
22	Q1485-01MSD	DN-B-41MSD	PL094517.D	05 Mar 2025 19:08		AR\AJ	Ok,NS
23	Q1486-01	DN-B-40	PL094518.D	05 Mar 2025 19:22		AR\AJ	Ok,NS
24	Q1487-01	DN-B-42	PL094519.D	05 Mar 2025 19:35		AR\AJ	Ok,NS
25	I.BLK	I.BLK	PL094520.D	05 Mar 2025 19:49		AR\AJ	Ok
26	PSTDCCC050	PSTDCCC050	PL094521.D	05 Mar 2025 20:02		AR\AJ	Ok,NS

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:40
In Date: 03/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:35
Out Date: 03/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134889

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
Q1480-01	TP-1	1	1.13	8.86	9.99	8.95	88.3	
Q1480-02	TP-1-E2	2	1.12	8.86	9.98	9.14	90.5	
Q1480-03	TP-1-E3	3	1.15	8.76	9.91	8.11	79.5	
Q1480-04	TP-1-E4	4	1.15	8.48	9.63	8.73	89.4	
Q1480-05	TP-1-E5	5	1.15	8.82	9.97	8.71	85.7	
Q1480-06	TP-1-E6	6	1.15	8.81	9.96	8.93	88.3	
Q1480-07	TP-1-E7	7	1.14	8.71	9.85	8.61	85.8	
Q1480-09	TP-2	8	1.12	8.74	9.86	8.56	85.1	
Q1480-10	TP-2-E2	9	1.14	8.82	9.96	8.53	83.8	
Q1480-11	TP-2-E3	10	1.15	8.50	9.65	8.62	87.9	
Q1480-12	TP-2-E4	11	1.14	8.76	9.9	8.8	87.4	
Q1480-13	TP-2-E5	12	1.15	8.82	9.97	8.92	88.1	
Q1480-14	TP-2-E6	13	1.16	8.82	9.98	8.95	88.3	
Q1480-15	TP-2-E7	14	1.12	8.73	9.85	8.88	88.9	
Q1480-17	TP-3	15	1.15	8.83	9.98	9.11	90.1	
Q1480-18	TP-3-E2	16	1.15	8.83	9.98	8.89	87.7	
Q1480-19	TP-3-E3	17	1.13	8.58	9.71	8.67	87.9	
Q1480-20	TP-3-E4	18	1.15	8.61	9.76	8.51	85.5	
Q1480-21	TP-3-E5	19	1.15	8.80	9.95	8.8	86.9	
Q1480-22	TP-3-E6	20	1.15	8.84	9.99	8.92	87.9	
Q1480-23	TP-3-E7	21	1.19	8.63	9.82	8.75	87.6	
Q1480-25	TP-4	22	1.14	8.83	9.97	9.07	89.8	
Q1480-26	TP-4-E2	23	1.17	8.80	9.97	9.32	92.6	
Q1480-27	TP-4-E3	24	1.13	8.76	9.89	8.95	89.3	
Q1480-28	TP-4-E4	25	1.16	8.81	9.97	9.13	90.5	
Q1480-29	TP-4-E5	26	1.12	8.67	9.79	8.97	90.5	
Q1480-30	TP-4-E6	27	1.15	8.83	9.98	9.34	92.8	
Q1480-31	TP-4-E7	28	1.11	8.62	9.73	8.88	90.1	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:40
In Date: 03/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:35
Out Date: 03/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134889

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
Q1481-01	WC-K1311	29	1.15	8.70	9.85	9.00	90.2	
Q1482-01	OR-03-030425	30	1.15	8.48	9.63	8.85	90.8	
Q1482-02	OR-03-030425-E2	31	1.15	8.83	9.98	9.17	90.8	
Q1484-01	TR-OTR-COMP-01	35	1.15	8.83	9.98	9.14	90.5	
Q1484-02	TR-OTR-VOC-01	36	1.15	8.81	9.96	9.22	91.6	
Q1484-03	TR-OTR-01	37	1.12	8.63	9.75	8.83	89.3	
Q1484-04	TR-OTR-02	38	1.15	8.78	9.93	8.99	89.3	
Q1484-05	TR-OTR-03	39	1.14	8.63	9.77	8.6	86.4	
Q1485-01	DN-B-41	32	1.16	8.53	9.69	8.25	83.1	
Q1486-01	DN-B-40	33	1.16	8.40	9.56	9.02	93.6	
Q1487-01	DN-B-42	34	1.13	8.84	9.97	8.92	88.1	
Q1488-01	ENV-101-SB01	40	1.13	8.45	9.58	8.61	88.5	
Q1488-03	ENV-101-SB02	41	1.15	8.82	9.97	9.14	90.6	
Q1488-05	ENV-102-SB01	42	1.16	8.82	9.98	8.72	85.7	
Q1488-07	ENV-102-SB02	43	1.13	8.55	9.68	7.98	80.1	
Q1488-09	ENV-104-SB01	44	1.12	8.50	9.62	8.14	82.6	
Q1488-11	ENV-104-SB02	45	1.14	8.85	9.99	8.32	81.1	
Q1489-01	TP-1	46	1.13	8.86	9.99	8.18	79.6	
Q1489-02	TP-1-E2	47	1.15	8.83	9.98	8.17	79.5	
Q1489-03	TP-1-E3	48	1.13	8.70	9.83	7.68	75.3	
Q1489-05	TP-2	49	1.11	8.76	9.87	6.93	66.4	
Q1489-06	TP-2-E2	50	1.16	8.63	9.79	7.38	72.1	
Q1489-07	TP-2-E3	51	1.15	8.83	9.98	7.53	72.3	
Q1489-09	TP-3	52	1.19	8.58	9.77	7.71	76.0	
Q1489-10	TP-3-E2	53	1.15	8.84	9.99	8.7	85.4	
Q1489-11	TP-3-E3	54	1.15	8.38	9.53	7.9	80.5	
Q1489-13	TP-4	55	1.16	8.81	9.97	8.57	84.1	
Q1489-14	TP-4-E2	56	1.16	8.82	9.98	8.46	82.8	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:40
In Date: 03/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:35
Out Date: 03/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134889

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
Q1489-15	TP-4-E3	57	1.16	8.50	9.66	8.02	80.7	

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

WORKLIST(Hardcopy Internal Chain)

13489

WorkList Name : %1-030425

WorkList ID : 187994

Department : Wet-Chemistry

Date : 03-04-2025 07:58:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1480-01	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-02	TP-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-03	TP-1-E3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-04	TP-1-E4	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-05	TP-1-E5	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-06	TP-1-E6	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-07	TP-1-E7	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-09	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-10	TP-2-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-11	TP-2-E3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-12	TP-2-E4	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-13	TP-2-E5	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-14	TP-2-E6	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-15	TP-2-E7	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-17	TP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-18	TP-3-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-19	TP-3-E3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-20	TP-3-E4	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-21	TP-3-E5	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-22	TP-3-E6	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-23	TP-3-E7	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO

Date/Time 03/04/25 16:15
 Raw Sample Received by: JO GPC
 Raw Sample Relinquished by: CP SM
 Date/Time 03/04/25 18:00
 Raw Sample Received by: CP SM
 Raw Sample Relinquished by: JO GPC

WORKLIST(Hardcopy Internal Chain)

134889

WorkList Name : %1-030425

WorkList ID : 187994

Department : Wet-Chemistry

Date : 03-04-2025 07:58:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1480-25	TP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-26	TP-4-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-27	TP-4-E3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-28	TP-4-E4	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-29	TP-4-E5	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-30	TP-4-E6	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1480-31	TP-4-E7	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1481-01	WC-K1311	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	03/03/2025	Chemtech -SO
Q1482-01	OR-03-030425	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	03/04/2025	Chemtech -SO
Q1482-02	OR-03-030425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	03/04/2025	Chemtech -SO
Q1484-01	TR-OTR-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	03/04/2025	Chemtech -SO
Q1484-02	TR-OTR-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	03/04/2025	Chemtech -SO
Q1484-03	TR-OTR-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	03/04/2025	Chemtech -SO
Q1484-04	TR-OTR-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	03/04/2025	Chemtech -SO
Q1484-05	TR-OTR-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	03/04/2025	Chemtech -SO
Q1485-01	DN-B-41	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	03/04/2025	Chemtech -SO
Q1486-01	DN-B-40	Solid	Percent Solids	Cool 4 deg C	JPCLO1	I11	03/04/2025	Chemtech -SO
Q1487-01	DN-B-42	Solid	Percent Solids	Cool 4 deg C	JPCLO1	I11	03/04/2025	Chemtech -SO
Q1488-01	ENV-101-SB01	Solid	Percent Solids	Cool 4 deg C	JPCLO1	I11	03/04/2025	Chemtech -SO
Q1488-03	ENV-101-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	H31	03/04/2025	Chemtech -SO
Q1488-05	ENV-102-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	H31	03/04/2025	Chemtech -SO

Date/Time 03/04/25 16:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 03/04/25 18:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

134889

WorkList Name : %1-030425

WorkList ID : 187994

Department : Wet-Chemistry

Date : 03-04-2025 07:58:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1488-07	ENV-102-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	H31	03/04/2025	Chemtech -SO
Q1488-09	ENV-104-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	H31	03/04/2025	Chemtech -SO
Q1488-11	ENV-104-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	H31	03/04/2025	Chemtech -SO
Q1489-01	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-02	TP-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-03	TP-1-E3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-05	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-06	TP-2-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-07	TP-2-E3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-09	TP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-10	TP-3-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-11	TP-3-E3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-13	TP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-14	TP-4-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO
Q1489-15	TP-4-E3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I22	03/04/2025	Chemtech -SO

Date/Time 03/04/25 16:15

Raw Sample Received by: SP wiles

Raw Sample Relinquished by: AP Spm

Date/Time 03/04/25

Raw Sample Received by: AP Spm

Raw Sample Relinquished by: SP wiles

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil

Extraction Start Date : 03/05/2025

Matrix : Solid

Extraction Start Time : 09:10

Weigh By: EH

Extraction By: RJ

Extraction End Date : 03/05/2025

Balance check: RJ

Filter By: RJ

Extraction End Time : 12:10

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24091
Surrogate	1.0ML	200 PPB	PP24123
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	EP2592
Baked Na2SO4	N/A	EP2590
Sand	N/A	E2865
Hexane	N/A	E3877
Florisil	N/A	E3806
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/5/25	RS (Ext Lab)	Y-Pest+IPCB
12:15	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 03/05/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166986BL	PBLK986	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			U2-1
PB166986BS	PLCS986	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		2
Q1481-01	WC-K1311	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		3
Q1482-01	OR-03-030425	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		4
Q1484-01	TR-OTR-COMP-01	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	B		5
Q1485-01	DN-B-41	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	B		6
Q1485-01MS	DN-B-41MS	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	B		U3-1
Q1485-01MS D	DN-B-41MSD	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	B		2
Q1486-01	DN-B-40	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	B		3
Q1487-01	DN-B-42	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	C		4
Q1489-01	TP-1	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		5
Q1489-05	TP-2	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		6
Q1489-09	TP-3	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		U4-1
Q1489-13	TP-4	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		2

* Extracts relinquished on the same date as received.

1649804109497

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1484

WorkList ID : 188026

Department : Extraction

Date : 03-05-2025 08:29:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1481-01	WC-K1311	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	H31	03/04/2025	8081B
Q1482-01	OR-03-030425	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	H31	03/04/2025	8081B
Q1484-01	TR-OTR-COMP-01	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	H31	03/04/2025	8081B
Q1485-01	DN-B-41	Solid	Pesticide-TCL	Cool 4 deg C	JPCL01	I11	03/04/2025	8081B
Q1486-01	DN-B-40	Solid	Pesticide-TCL	Cool 4 deg C	JPCL01	I11	03/04/2025	8081B
Q1487-01	DN-B-42	Solid	Pesticide-TCL	Cool 4 deg C	JPCL01	I11	03/04/2025	8081B
Q1489-01	TP-1	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	I22	03/04/2025	8081B
Q1489-05	TP-2	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	I22	03/04/2025	8081B
Q1489-09	TP-3	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	I22	03/04/2025	8081B
Q1489-13	TP-4	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	I22	03/04/2025	8081B

Date/Time 3/5/25 9:05
Raw Sample Received by: RJ (Ext 6065)
Raw Sample Relinquished by: RJ (Ext 6065)

Date/Time 3/5/25 9:35
Raw Sample Received by: RJ (Ext 6065)
Raw Sample Relinquished by: RJ (Ext 6065)

Prep Standard - Chemical Standard Summary

Order ID : Q1487

Test : Pesticide-TCL

Prepbatch ID : PB166986,

Sequence ID/Qc Batch ID: PL030525,

Standard ID :

EP2590,EP2592,PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683,PP23687,PP23690,PP23693,PP23698,PP23733,PP23793,PP24091,PP24095,PP24123,PPP23695,

Chemical ID :

E2865,E3551,E3792,E3805,E3806,E3843,E3846,E3847,E3876,E3877,P11146,P11896,P13036,P13039,P13245,P13349,P13350,P13353,P13359,P13402,P23686,



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2590	02/26/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 02/26/2025
<u>FROM</u> 4000.00000gram of E3551 = Final Quantity: 4000.000 gram								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2592	02/27/2025	08/12/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 02/27/2025
<u>FROM</u> 4000.00000ml of E3876 + 4000.00000ml of E3877 = Final Quantity: 8000.000 ml								

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

[illegible]

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	PP23680	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024
<u>FROM</u>	0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml							

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	PP24091	12/17/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								12/18/2024

FROM 95.00000ml of E3843 + 2.50000ml of PP23675 + 2.50000ml of PP23677 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4027	Pesticide resolution Check Mixture 8081	PP24095	12/23/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani
								12/30/2024

FROM 1.00000ml of P13245 + 99.00000ml of E3847 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP24123	01/20/2025	06/26/2025	Abdul Mirza	None	None	Ankita Jodhani
								01/20/2025

FROM 1.00000ml of P13353 + 999.00000ml of E3846 = Final Quantity: 1000.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	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	07/01/2025	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	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3792

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

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)	24H2762008	06/05/2025	12/05/2024 / Rajesh	12/05/2024 / Rajesh	E3843

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

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	06/16/2025	12/16/2024 / Rajesh	12/13/2024 / Rajesh	E3847

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)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

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)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

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

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

CHEMICAL RECEIPT LOG BOOK

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	06/23/2025	12/23/2024 / Abdul	02/09/2024 / Abdul	P13245

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	07/20/2025	01/20/2025 / Abdul	04/22/2024 / Abdul	P13353

CHEMICAL RECEIPT LOG BOOK

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

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

Sand
Purified
Washed and Ignited



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

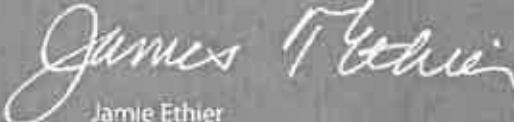
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	0.01

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

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

E 2865


Jamie Ethier
Vice President Global Quality

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

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

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

RC-02-01, Ed. 3

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

Avantor™



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

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

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

Recd by RP on 09/11/24

E 3192

Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor™



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

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

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

Recd. by RP on 9/25/24

E 3805

Jamie Croak
Director Quality Operations, Bioscience Production

Cleanert Florisil

1g/6ml 30/pkg

固相萃取产品

LOT#: M06518

MFG#: F04074



Made in China

CAT# FS0006

 Agela Technologies

E 3806



Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date: 2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

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

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

Recd. by RP on 12/5/24

E 3843

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

 **avantors™**



Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date: 2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

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

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

Rec'd by RP On 12/13/24

E 3846



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

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

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 0.01 %

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

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

Recd. by RP on 12/13/24

E3847



Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

 **avantors**™



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

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

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

Recd. by RP on 2/12/25

E 3876



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

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd. by RP on 2/12/25

Harout Sahagian E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32021 Lot No.: A0181737
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : May 31, 2028 Storage: 10°C or colder
Ship: Ambient

CERTIFIED VALUES

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

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

Tech Tips:

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

P 11892
↓
P 11896
5

06/17/2022

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

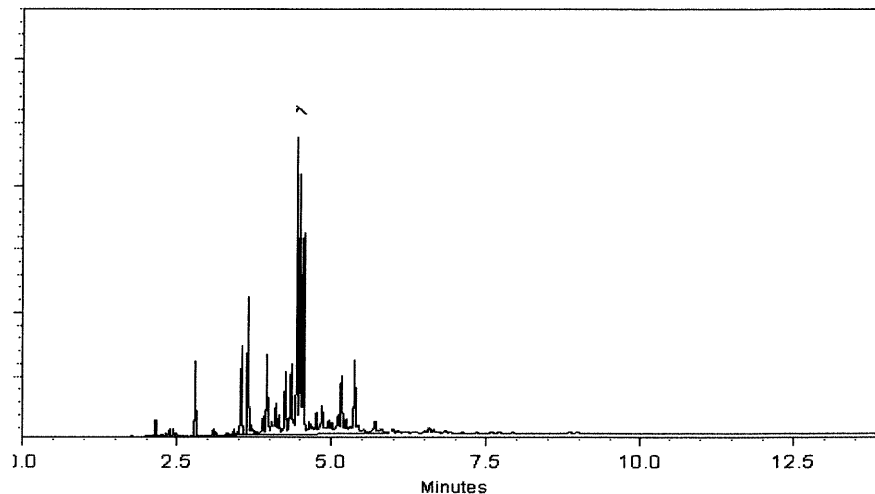
Carrier Gas:
helium-constant pressure 20 psi.

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

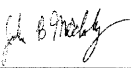
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

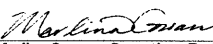


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Josh McCloskey - Operations Technician I

Date Mixed: 11-Feb-2022

Balance: B442140311


Marlene Cowan - Operations Tech I

Date Passed: 24-Feb-2022

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

P 11892 / (5)
P 11896 /


06/17/2022



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

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

Container Size : 2 mL Pkg Amt: > 1 mL

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

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1 µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0 µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1 µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0 µg/mL	+/- 8.9740

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

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

P13039
 ↓
 P13043
 5
 1
 JAW
 12/26/23

Quality Confirmation Test

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

Carrier Gas:
 helium-constant pressure 20 psi.

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

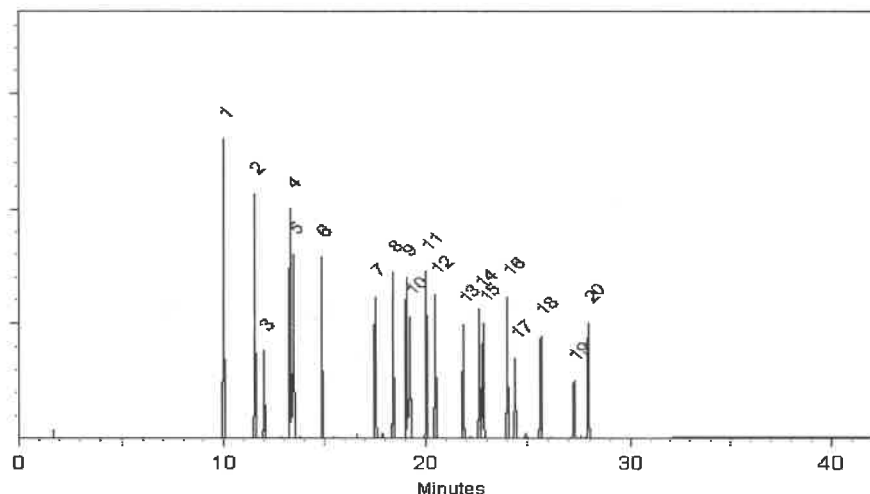
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



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

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

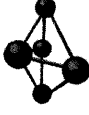
Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

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



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

79136
102821
Mirex

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

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

102826
Refrigerate (4 °C)
1000
6UTB

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

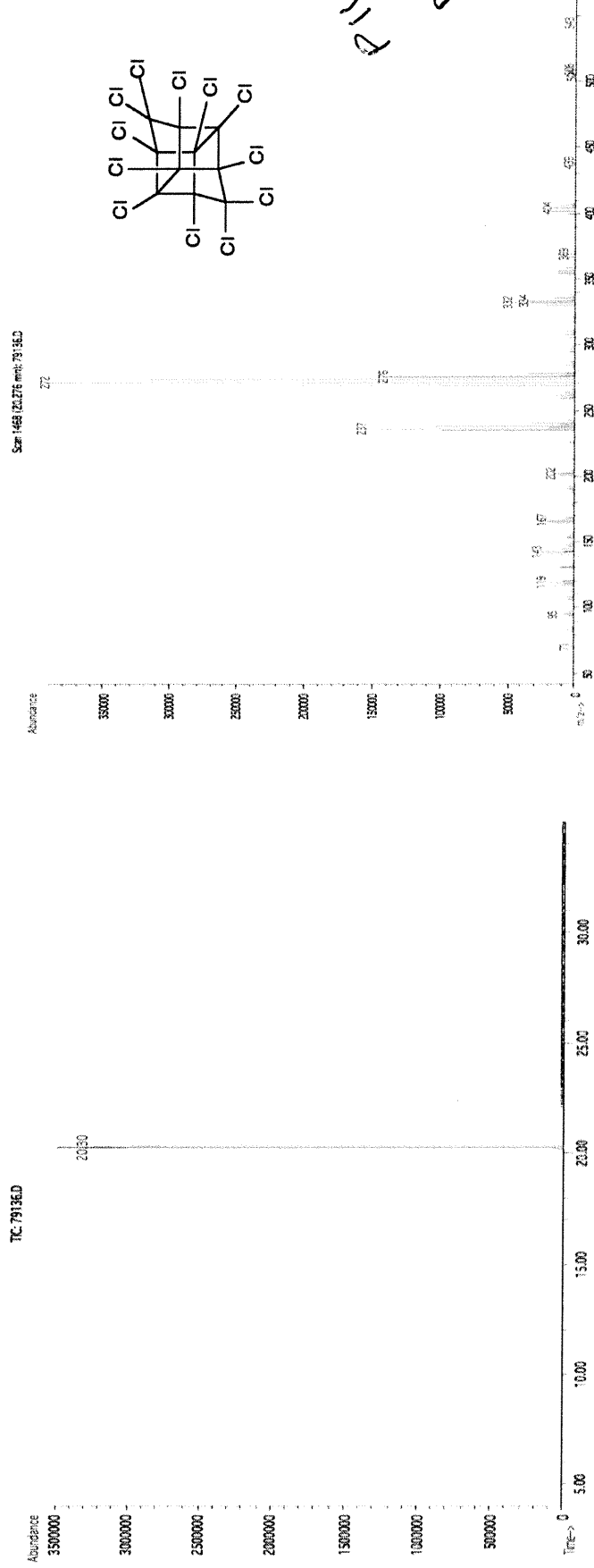
Weight(s) shown below were combined and diluted to (mL):

50.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded SDS Information		
									Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	(SMA 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
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Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B = 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32291

Lot No.: A0200423

Description : Organochlorine Pesticide Mix AB #1

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

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : July 31, 2027

Storage: 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

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

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

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

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

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

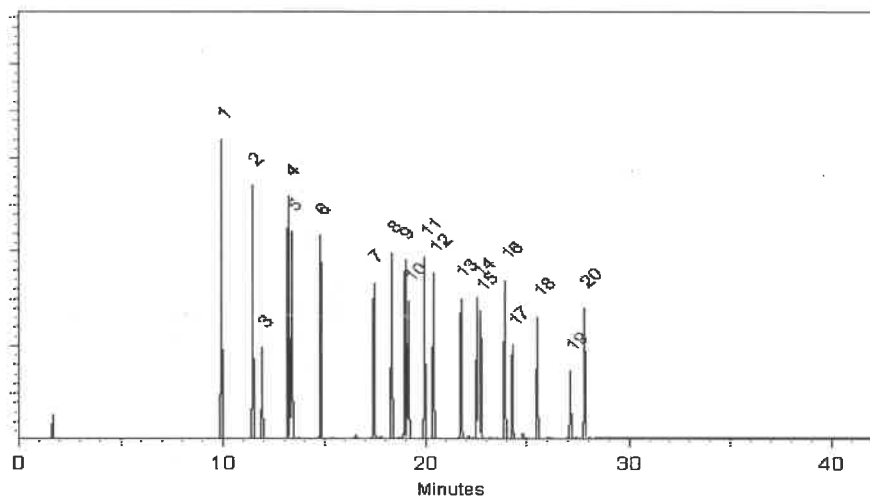
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

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



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

19161
013124
CLP Pesticides & PCBs Resolution Check Standard

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

9 components
013129
Refrigerate (4 °C)

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

NIST Test ID#:

6UTB

5E-05
Balance Uncertainty
Pipet Uncertainty

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

100.0

0.021

Balance Uncertainty
Pipet Uncertainty

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

Compound

1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	or-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	or-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	or-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	or-rat 36300µg/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	or-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	or-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

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

P13348
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DAUF
04/25/2024

CERTIFIED VALUES

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

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

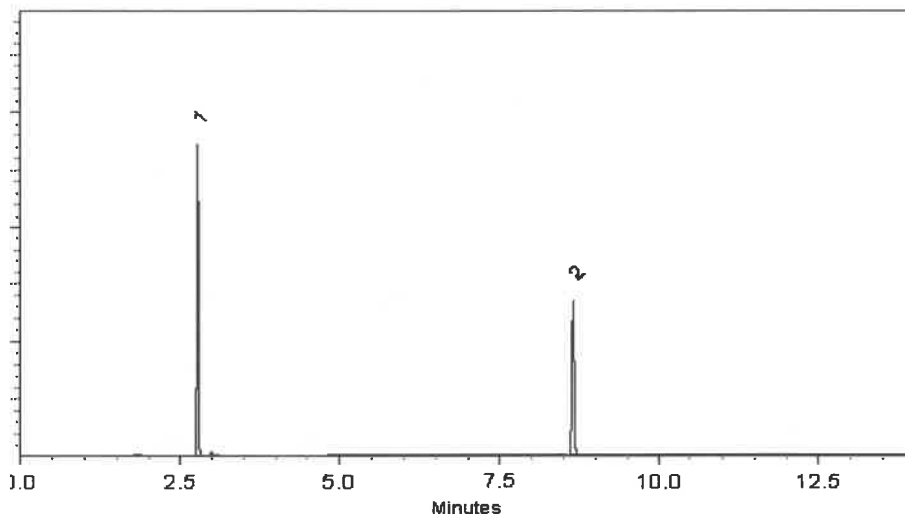
ECD

Split Vent:

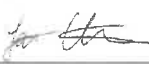
10 ml/min.

Inj. Vol

1µl

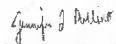


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

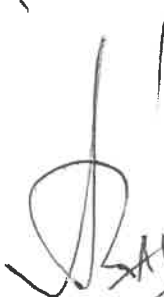
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

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P 13357
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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

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

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

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

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

P13348
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DAUF
04/25/2024

CERTIFIED VALUES

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

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

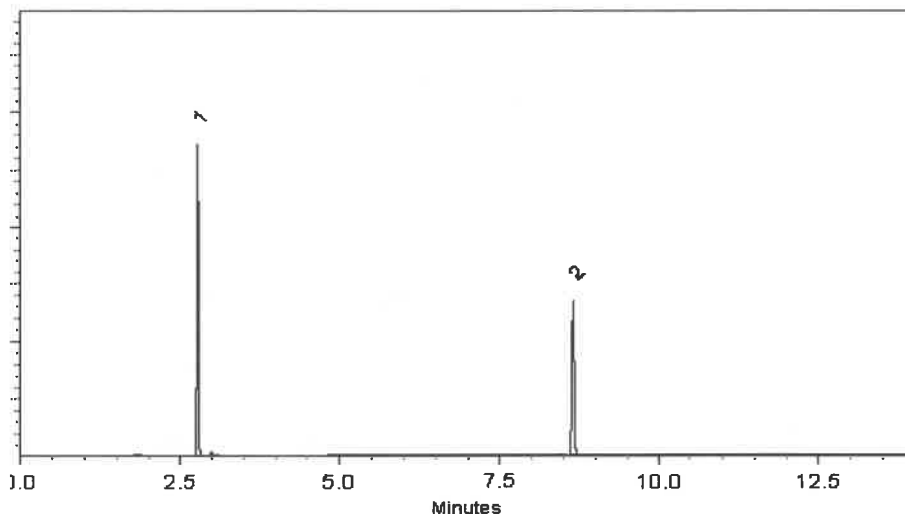
ECD

Split Vent:

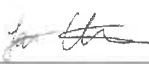
10 ml/min.

Inj. Vol

1µl

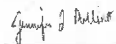


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

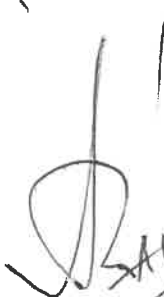
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

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

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

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

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

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

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

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DAUF
04/25/2024

CERTIFIED VALUES

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

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

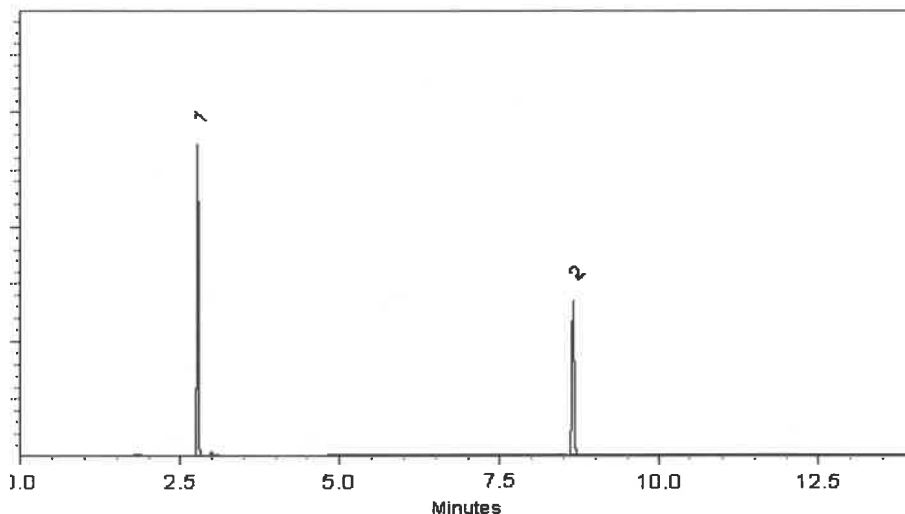
ECD

Split Vent:

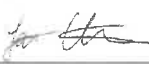
10 ml/min.

Inj. Vol

1µl

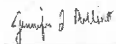


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Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

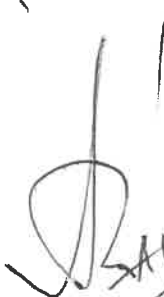
Balance Serial # 1128360905


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

P 13348
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P 13357
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

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

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

P 13358
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P 13369
(12)

[Signature]
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:

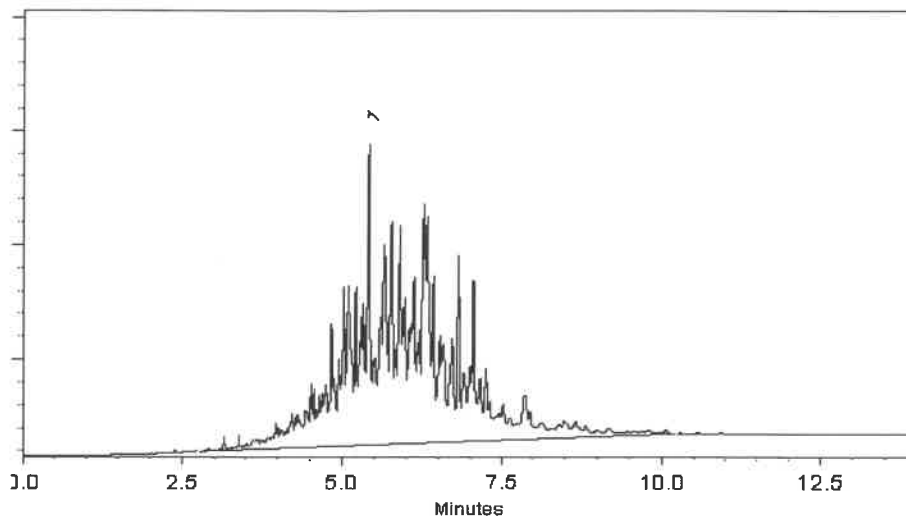
ECD

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)
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P13369
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05-06-2024



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : January 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

P13402
P13406
5/22/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	---%	1,009.0 µg/mL	+/- 55.9920

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

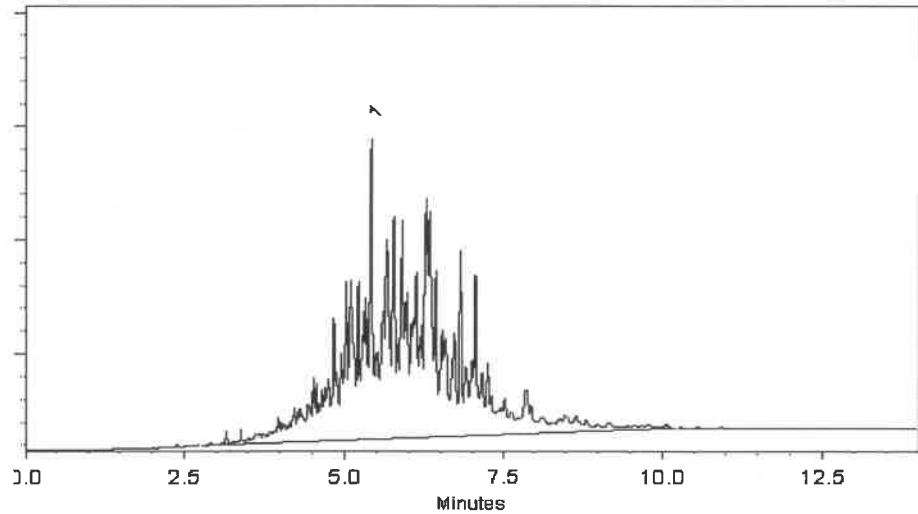
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

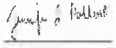


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

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

P13402
↓
P13406 } (5)

5/22/2024



SHIPPING DOCUMENTS

CLIENT INFORMATION				CLIENT PROJECT INFORMATION				CLIENT BILLING INFORMATION										
REPORT TO BE SENT TO: COMPANY: <u>Jpcl Engineering, LLC</u> ADDRESS: <u>2 clerico Ln, Bldg #1</u> CITY: <u>Hillsborough</u> STATE: <u>NJ</u> ZIP: <u>08844</u> ATTENTION: <u>PAUL Rotondi</u> PHONE: <u>609 203-3846</u> FAX: <u>N/A</u>				PROJECT NAME: <u>2 Bridges over the Bronx</u> PROJECT NO.: _____ LOCATION: <u>Bronx NY</u> PROJECT MANAGER: _____ e-mail: <u>Protondi@Jpclengineering.com</u> PHONE: <u>SAME</u> FAX: _____				BILL TO: <u>SAME AS client PO#:</u> ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____ ATTENTION: _____ PHONE: _____										
DATA TURNAROUND INFORMATION FAX (RUSH) _____ DAYS* HARDCOPY (DATA PACKAGE): <u>10</u> DAYS* EDD: _____ 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) ☐ NYS ASP A ☐ NYS ASP B + Raw Data ☐ Other _____ ☐ EDD FORMAT _____				ANALYSIS SVOC Pest PCB METALS										
ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		
1.	DN - B - 42	soil	X				3	3	3	3	3							
2.																		
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: <u>[Signature]</u>	DATE/TIME: <u>3-4-25 1520</u>	RECEIVED BY: <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>2.8</u> °C Comments: <u>IF Gmt</u>
RELINQUISHED BY SAMPLER: _____	DATE/TIME: _____	RECEIVED BY: _____	
RELINQUISHED BY SAMPLER: _____	DATE/TIME: _____	RECEIVED BY: _____	

Page _____ of _____
CLIENT: ☐ Hand Delivered ☐ Other _____
Shipment Complete
☐ YES ☐ NO



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