

Cover Page

Order ID : Q1488

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number

Q1488-01
Q1488-02
Q1488-03
Q1488-04
Q1488-05
Q1488-06
Q1488-07
Q1488-08
Q1488-09
Q1488-10
Q1488-11
Q1488-12
Q1488-13
Q1488-14
Q1488-15

Client Sample Number

ENV-101-SB01
ENV-101-SB01
ENV-101-SB02
ENV-101-SB02
ENV-102-SB01
ENV-102-SB01
ENV-102-SB02
ENV-102-SB02
ENV-104-SB01
ENV-104-SB01
ENV-104-SB02
ENV-104-SB02
ENV-102-GW01
ENV-104-GW01
TB03042025

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

Signature : _____

Date: 3/18/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

Portal Partners Tri-Venture

Project Name: Amtrak Sawtooth Bridges 2025

Project # N/A

Chemtech Project # Q1488

Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:

12 Solid samples were received on 03/04/2025.

3 Water samples were received on 03/04/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, EPH, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for TCLP Pesticide.

C. Analytical Techniques:

The analysis was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df,: Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11. The analysis of TCLP Pesticides was based on method 8081B and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

E. Additional Comments:



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F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1488

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 03/18/2025

LAB CHRONICLE

OrderID:	Q1488	OrderDate:	3/4/2025 3:39:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	H31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1488-01	ENV-101-SB01	SOIL			03/04/25			03/04/25
			PCB	8082A		03/05/25	03/05/25	
			EPH	NJEPH		03/10/25	03/10/25	
Q1488-02	ENV-101-SB01	TCLP			03/04/25			03/04/25
			TCLP Herbicide	8151A		03/11/25	03/12/25	
			TCLP Pesticide	8081B		03/11/25	03/12/25	
Q1488-03	ENV-101-SB02	SOIL			03/04/25			03/04/25
			PCB	8082A		03/05/25	03/05/25	
			EPH	NJEPH		03/10/25	03/10/25	
Q1488-04	ENV-101-SB02	TCLP			03/04/25			03/04/25
			TCLP Herbicide	8151A		03/11/25	03/12/25	
			TCLP Pesticide	8081B		03/11/25	03/12/25	
Q1488-05	ENV-102-SB01	SOIL			03/04/25			03/04/25
			PCB	8082A		03/05/25	03/05/25	
			EPH	NJEPH		03/10/25	03/10/25	
			EPH	NJEPH		03/10/25	03/11/25	
Q1488-06	ENV-102-SB01	TCLP			03/04/25			03/04/25
			TCLP Herbicide	8151A		03/11/25	03/12/25	
			TCLP Pesticide	8081B		03/11/25	03/12/25	
Q1488-07	ENV-102-SB02	SOIL			03/04/25			03/04/25
			PCB	8082A		03/05/25	03/05/25	
			EPH	NJEPH		03/10/25	03/10/25	
			EPH	NJEPH		03/10/25	03/11/25	
Q1488-08	ENV-102-SB02	TCLP			03/04/25			03/04/25
			TCLP Herbicide	8151A		03/11/25	03/12/25	

LAB CHRONICLE

			TCLP Pesticide	8081B		03/11/25	03/12/25	
Q1488-09	ENV-104-SB01	SOIL			03/04/25			03/04/25
			PCB	8082A		03/05/25	03/05/25	
			EPH	NJEPH		03/10/25	03/10/25	
			EPH	NJEPH		03/10/25	03/11/25	
Q1488-10	ENV-104-SB01	TCLP			03/04/25			03/04/25
			TCLP Herbicide	8151A		03/11/25	03/12/25	
			TCLP Pesticide	8081B		03/11/25	03/12/25	
Q1488-11	ENV-104-SB02	SOIL			03/04/25			03/04/25
			PCB	8082A		03/05/25	03/05/25	
			EPH	NJEPH		03/10/25	03/10/25	
			EPH	NJEPH		03/10/25	03/11/25	
Q1488-12	ENV-104-SB02	TCLP			03/04/25			03/04/25
			TCLP Herbicide	8151A		03/11/25	03/12/25	
			TCLP Pesticide	8081B		03/11/25	03/12/25	
Q1488-13	ENV-102-GW01	Water			03/04/25			03/04/25
			EPH	NJEPH		03/05/25	03/05/25	
			PCB	8082A		03/06/25	03/06/25	
Q1488-14	ENV-104-GW01	Water			03/04/25			03/04/25
			EPH	NJEPH		03/05/25	03/05/25	
			PCB	8082A		03/06/25	03/06/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q1488

Order ID: Q1488

Client: Portal Partners Tri-Venture

Project ID: Amtrak Sawtooth Bridges 2025

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.: **Q1488**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL094566.D	PIBLK-PL094566.D	Decachlorobiphenyl	1	20	22.7	114		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.6	103		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.0	105		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.2	101		30 (77)	150 (126)
I.BLK-PL094639.D	PIBLK-PL094639.D	Decachlorobiphenyl	1	20	24.1	121		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.0	105		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	23.8	119		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.0	105		30 (77)	150 (126)
Q1488-02	ENV-101-SB01	Decachlorobiphenyl	1	20	25.1	125		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.7	99		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	23.8	119		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.0	105		30 (77)	150 (126)
Q1488-02MS	ENV-101-SB01MS	Decachlorobiphenyl	1	20	27.9	139		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.6	103		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	26.8	134		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.6	108		30 (77)	150 (126)
Q1488-02MSD	ENV-101-SB01MSD	Decachlorobiphenyl	1	20	27.8	139		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.9	104		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	26.7	133		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.8	109		30 (77)	150 (126)
Q1488-04	ENV-101-SB02	Decachlorobiphenyl	1	20	23.3	116		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.8	99		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	24.1	120		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.9	109		30 (77)	150 (126)
I.BLK-PL094651.D	PIBLK-PL094651.D	Decachlorobiphenyl	1	20	26.8	134		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	22.0	110		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	24.6	123		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	22.4	112		30 (77)	150 (126)
Q1488-06	ENV-102-SB01	Decachlorobiphenyl	1	20	28.5	143		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	22.1	111		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	27.1	135		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.5	108		30 (77)	150 (126)
Q1488-08	ENV-102-SB02	Decachlorobiphenyl	1	20	27.2	136		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.6	103		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	25.9	130		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.5	102		30 (77)	150 (126)
Q1488-10	ENV-104-SB01	Decachlorobiphenyl	1	20	26.1	131		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.9	99		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	25.0	125		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.5	102		30 (77)	150 (126)
Q1488-12	ENV-104-SB02	Decachlorobiphenyl	1	20	27.5	137		30 (43)	150 (140)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
Q1488-12	ENV-104-SB02	Tetrachloro-m-xylene	1	20	20.4	102		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	26.5	133		30 (43)	150 (140)
I.BLK-PL094663.D	PIBLK-PL094663.D	Tetrachloro-m-xylene	2	20	21.3	106		30 (77)	150 (126)
		Decachlorobiphenyl	1	20	28.3	141		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	23.2	116		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	26.4	132		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	23.4	117		30 (77)	150 (126)
		Decachlorobiphenyl	1	20	23.1	115		30 (43)	150 (140)
I.BLK-PL094676.D	PIBLK-PL094676.D	Tetrachloro-m-xylene	1	20	18.2	91		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.0	105		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	18.9	94		30 (77)	150 (126)
		Decachlorobiphenyl	1	20	25.8	129		30 (43)	150 (140)
PB167091BL	PB167091BL	Tetrachloro-m-xylene	1	20	21.2	106		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.2	106		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.9	109		30 (77)	150 (126)
		Decachlorobiphenyl	1	20	24.4	122		30 (43)	150 (140)
PB167091BS	PB167091BS	Tetrachloro-m-xylene	1	20	19.2	96		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.0	100		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.8	104		30 (77)	150 (126)
		Decachlorobiphenyl	1	20	21.7	108		30 (43)	150 (140)
PB167020TB	PB167020TB	Tetrachloro-m-xylene	1	20	17.1	86		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	17.9	90		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.6	88		30 (77)	150 (126)
		Decachlorobiphenyl	1	20	24.5	123		30 (43)	150 (140)
I.BLK-PL094694.D	PIBLK-PL094694.D	Tetrachloro-m-xylene	1	20	19.3	97		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.5	112		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.2	96		30 (77)	150 (126)
		Decachlorobiphenyl	1	20	24.5	123		30 (43)	150 (140)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

DataFile : PL094648.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec Qual	RPD Qual	Low	Limits High	RPD
Client Sample ID:	ENV-101-SB01MS									
Q1488-02MS	gamma-BHC (Lindane)	5	0	7.40	ug/L	148		30 (60)	150 (152)	
	Heptachlor	5	0	5.40	ug/L	108		30 (56)	150 (147)	
	Heptachlor epoxide	5	0	5.60	ug/L	112		30 (77)	150 (143)	
	Endrin	5	0	5.80	ug/L	116		30 (76)	150 (144)	
	Methoxychlor	5	0	5.70	ug/L	114		30 (70)	150 (142)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

DataFile : PL094649.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec Qual	RPD Qual	Low	Limits High	RPD
Client Sample ID:	ENV-101-SB01MSD									
Q1488-02MSD	gamma-BHC (Lindane)	5	0	7.30	ug/L	146	1	30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	5.40	ug/L	108	0	30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	5.60	ug/L	112	0	30 (77)	150 (143)	20 (20)
	Endrin	5	0	5.80	ug/L	116	0	30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	5.60	ug/L	112	2	30 (70)	150 (142)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: **8081B** **Datafile :** PL094683.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167091BS	gamma-BHC (Lindane)	0.5	0.48	ug/L	95				40 (82)	140 (129)	
	Heptachlor	0.5	0.47	ug/L	95				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.48	ug/L	97				40 (81)	140 (124)	
	Endrin	0.5	0.49	ug/L	98				40 (81)	140 (128)	
	Methoxychlor	0.5	0.53	ug/L	106				40 (78)	140 (108)	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167091BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1488

SAS No.: Q1488 SDG NO.: Q1488

Lab Sample ID: PB167091BL

Lab File ID: PL094682.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 03/11/2025

Date Analyzed (1): 03/13/2025

Date Analyzed (2): 03/13/2025

Time Analyzed (1): 16:34

Time Analyzed (2): 16:34

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
ENV-101-SB01	Q1488-02	PL094647.D	03/12/2025	03/12/2025
ENV-101-SB01MS	Q1488-02MS	PL094648.D	03/12/2025	03/12/2025
ENV-101-SB01MSD	Q1488-02MSD	PL094649.D	03/12/2025	03/12/2025
ENV-101-SB02	Q1488-04	PL094650.D	03/12/2025	03/12/2025
ENV-102-SB01	Q1488-06	PL094654.D	03/12/2025	03/12/2025
ENV-102-SB02	Q1488-08	PL094655.D	03/12/2025	03/12/2025
ENV-104-SB01	Q1488-10	PL094656.D	03/12/2025	03/12/2025
ENV-104-SB02	Q1488-12	PL094657.D	03/12/2025	03/12/2025
PB167091BS	PB167091BS	PL094683.D	03/13/2025	03/13/2025
PB167020TB	PB167020TB	PL094684.D	03/13/2025	03/13/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/11/25
Client Sample ID:	PB167020TB	SDG No.:	Q1488
Lab Sample ID:	PB167020TB	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094684.D	1	03/11/25 11:54	03/13/25 17:33	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.7		30 (43) - 150 (140)	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.6		30 (77) - 150 (126)	88%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
Data File : PL094684.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Mar 2025 17:33
Operator : AR\AJ
Sample : PB167020TB
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167020TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 14 11:12:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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	48409580	62834662	17.102	17.604
28)	SA Decachlor...	9.049	7.903	45646313	72402933	21.659	17.924

Target Compounds

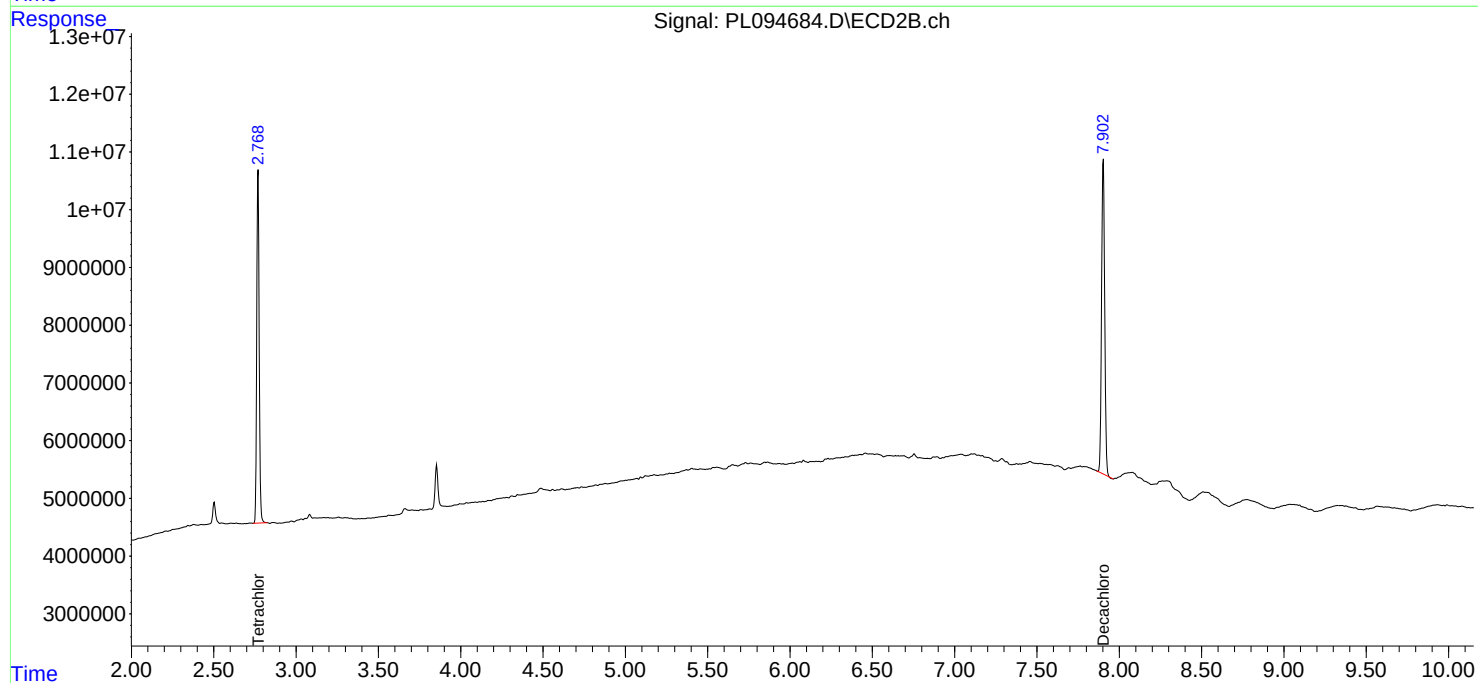
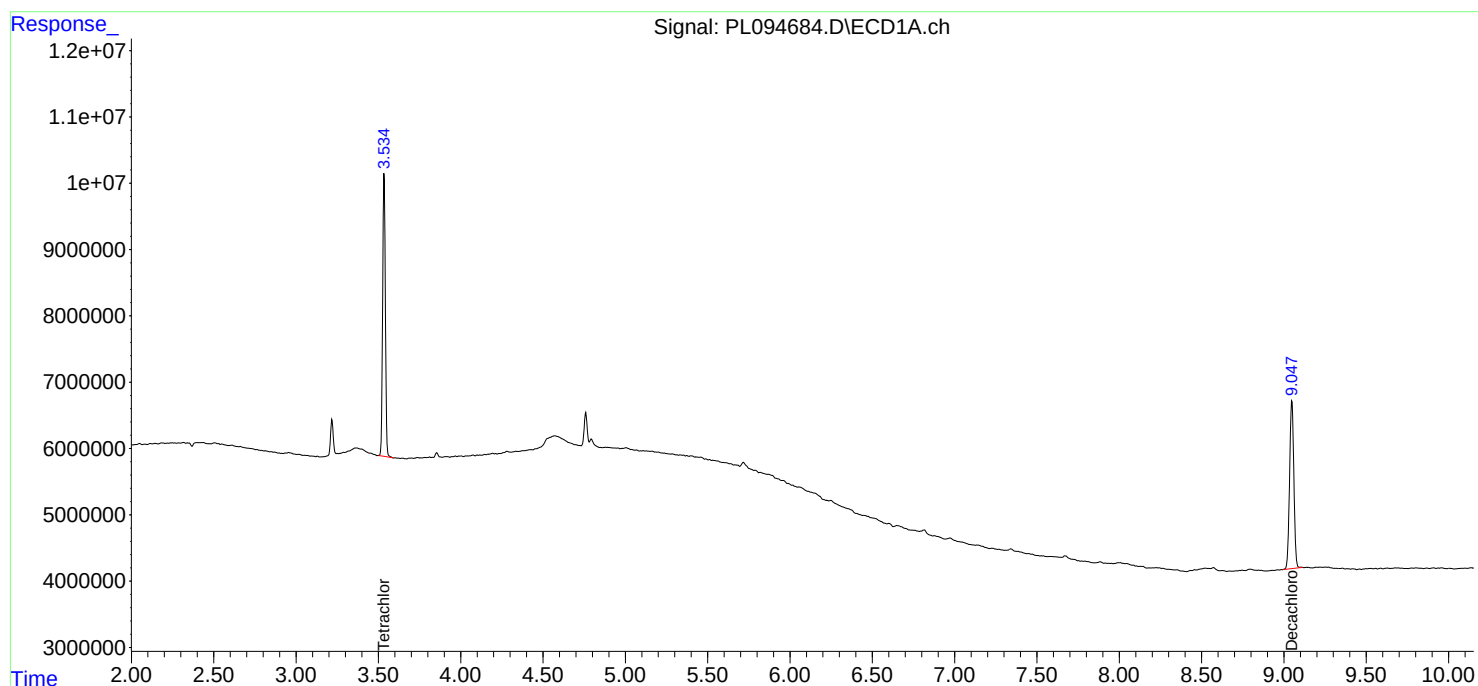
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

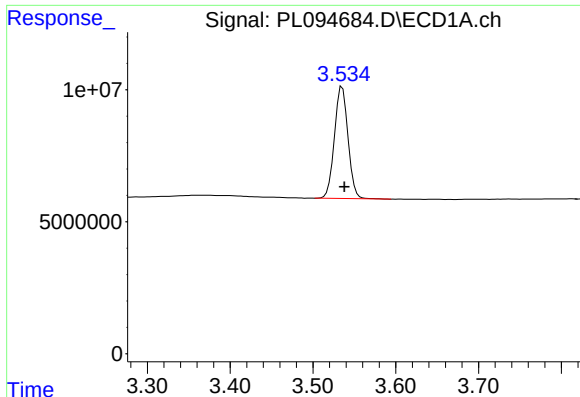
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
Data File : PL094684.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Mar 2025 17:33
Operator : AR\AJ
Sample : PB167020TB
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167020TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 14 11:12:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

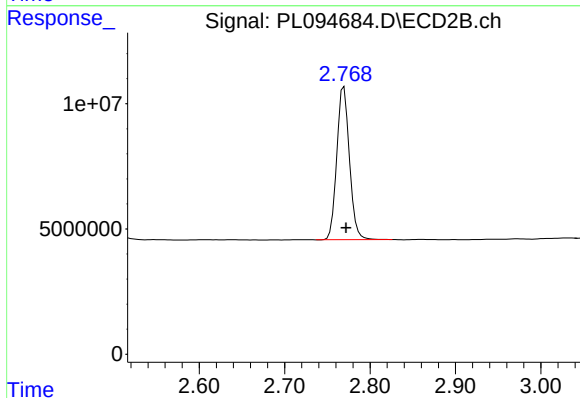




#1 Tetrachloro-m-xylene

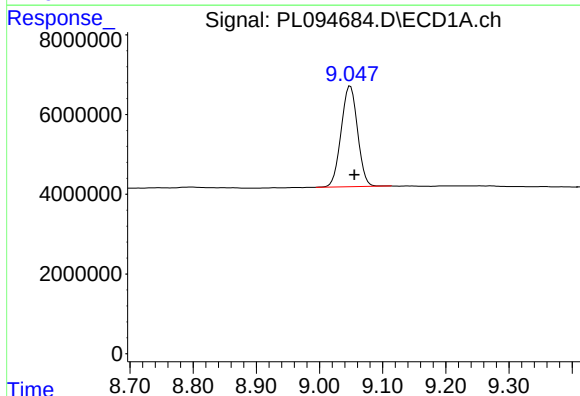
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 48409580
Conc: 17.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167020TB



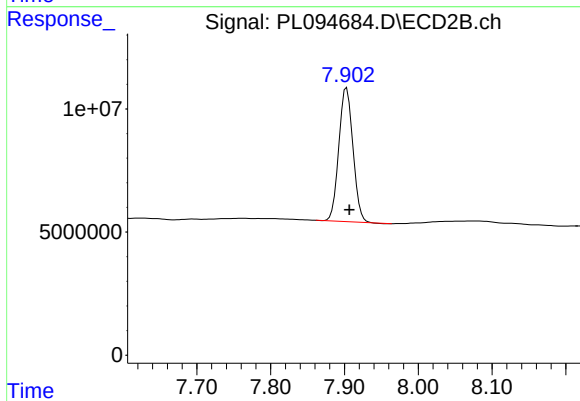
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.002 min
Response: 62834662
Conc: 17.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.007 min
Response: 45646313
Conc: 21.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 72402933
Conc: 17.92 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-02	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094647.D	1	03/11/25 11:54	03/12/25 18:15	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.1		30 (43) - 150 (140)	125%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		30 (77) - 150 (126)	105%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094647.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 18:15
 Operator : AR\AJ
 Sample : Q1488-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ENV-101-SB01

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:35:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	2.773	55750056	75065082	19.695	21.031
28) SA Decachlor...	9.051	7.904	52822617	96076530	25.065	23.785

Target Compounds

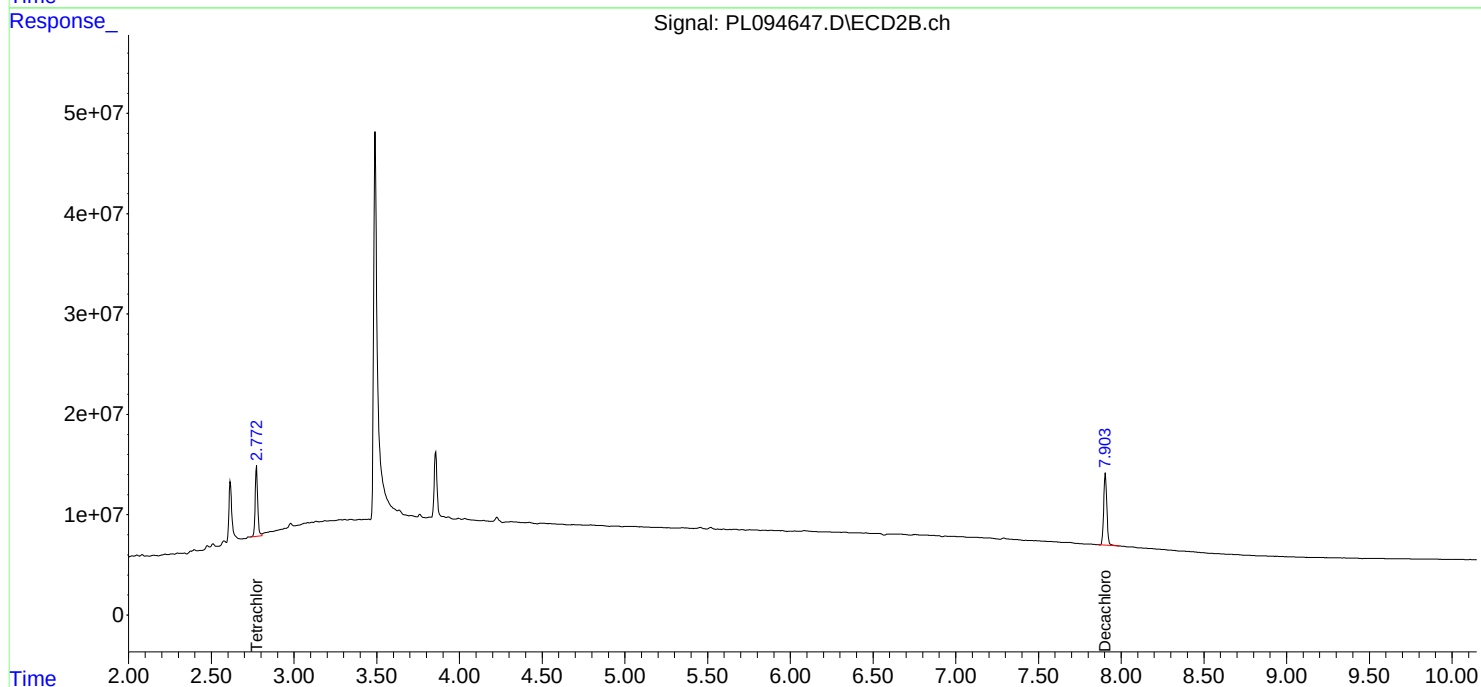
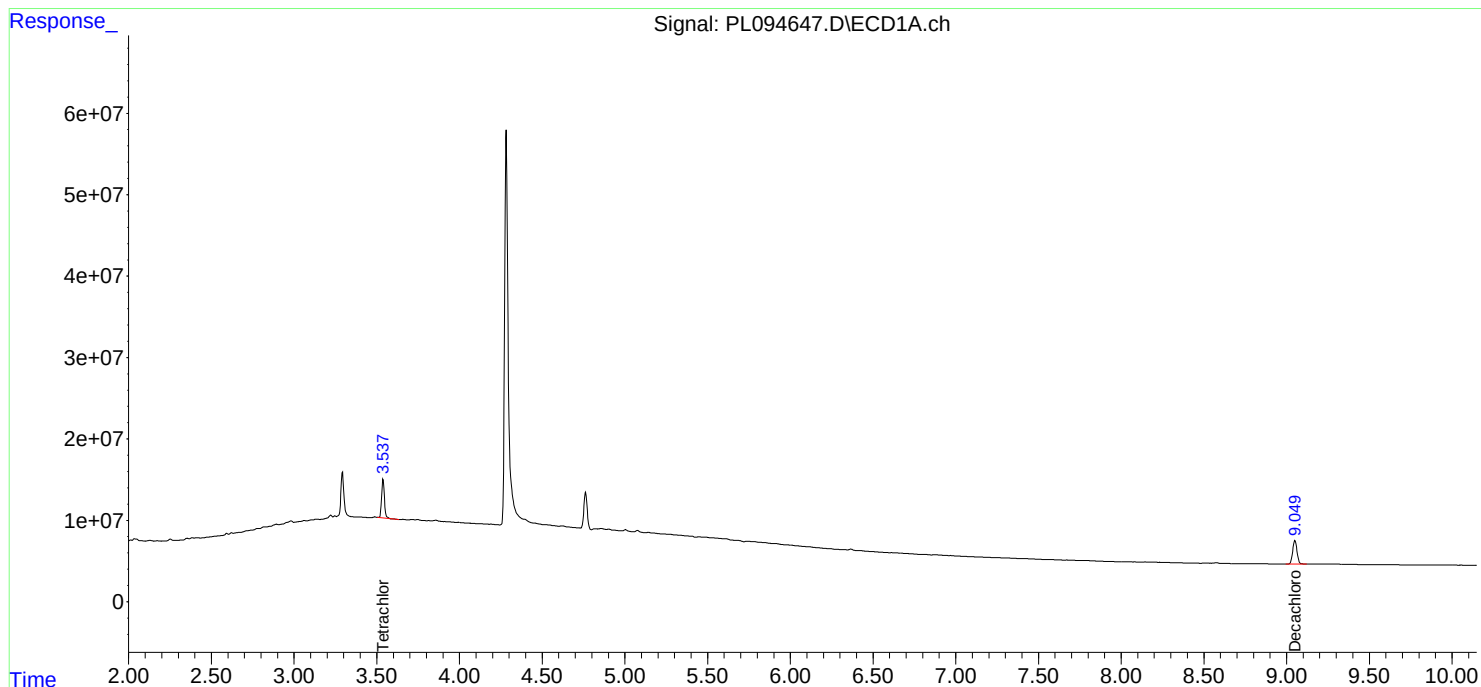
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

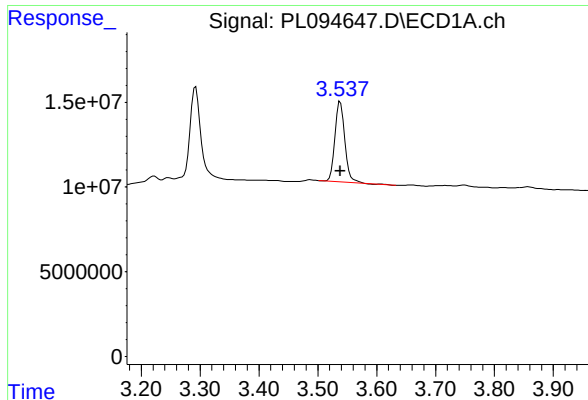
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094647.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 18:15
Operator : AR\AJ
Sample : Q1488-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:35:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

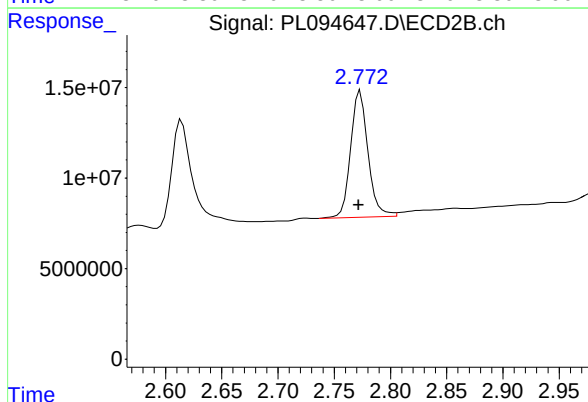




#1 Tetrachloro-m-xylene

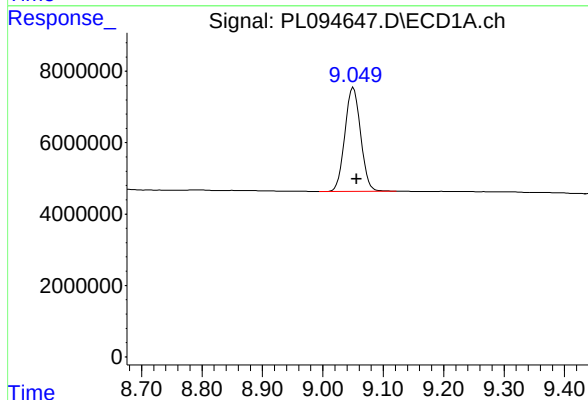
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 55750056
Conc: 19.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01



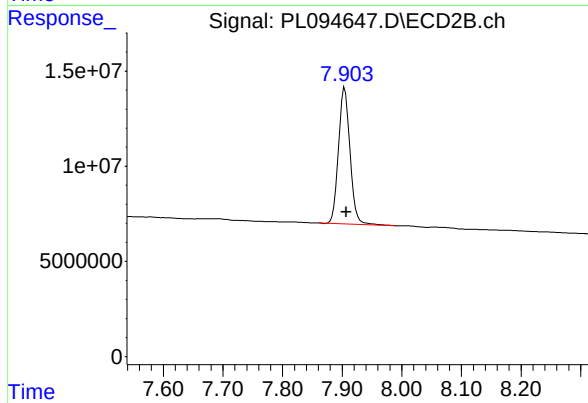
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: 0.001 min
Response: 75065082
Conc: 21.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 52822617
Conc: 25.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.002 min
Response: 96076530
Conc: 23.79 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-04	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094650.D	1	03/11/25 11:54	03/12/25 18:56	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.1		30 (43) - 150 (140)	120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.9		30 (77) - 150 (126)	109%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094650.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 18:56
 Operator : AR\AJ
 Sample : Q1488-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ENV-101-SB02

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/13/2025
 Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:36:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	2.772	55947590	78108985	19.765m	21.884
28) SA Decachlor...	9.049	7.904	48990509	97282904	23.246m	24.084

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094650.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 18:56
Operator : AR\AJ
Sample : Q1488-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

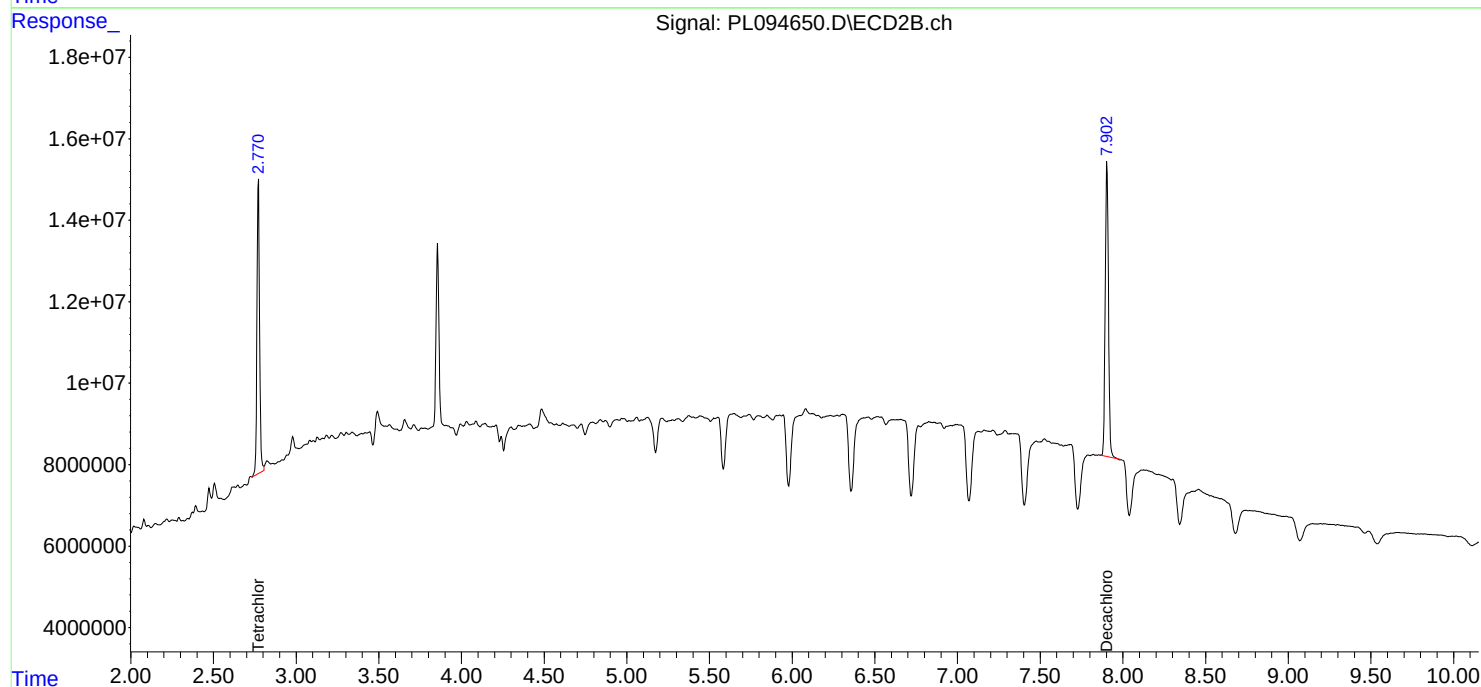
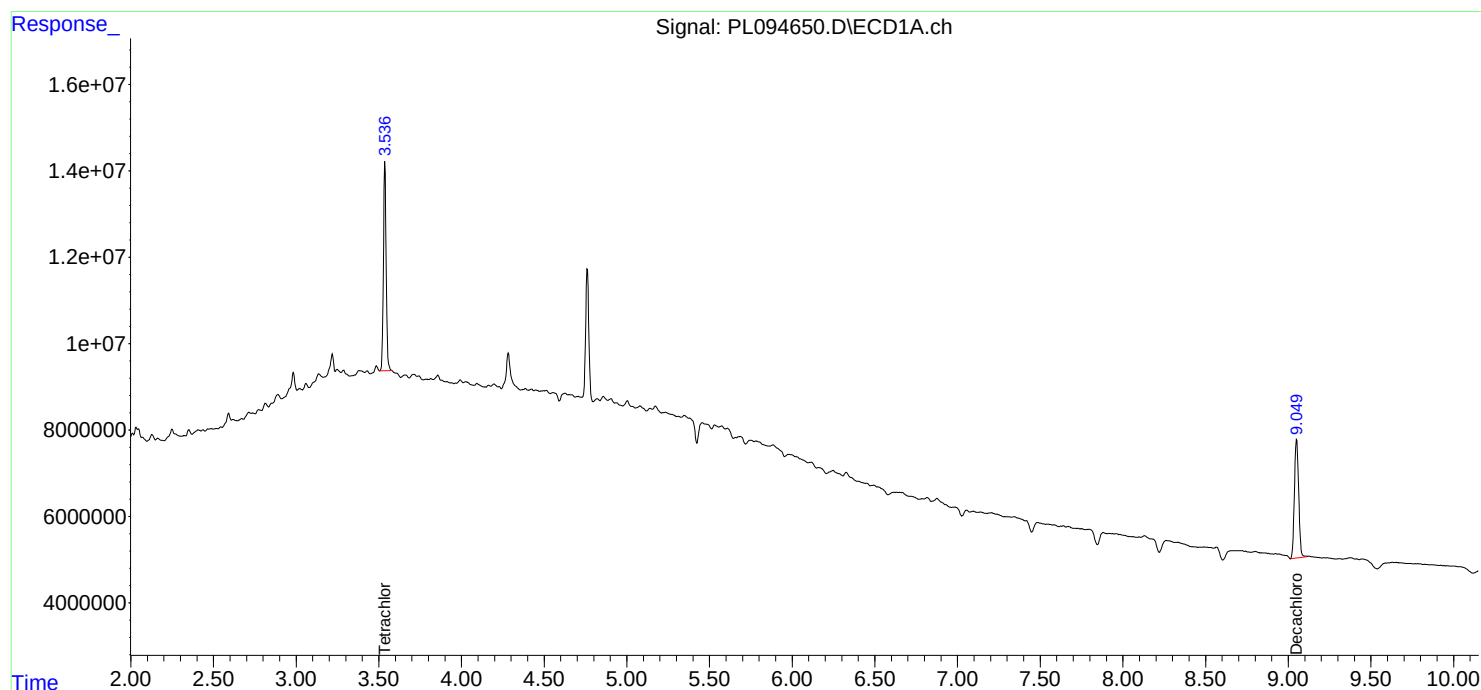
Instrument :
ECD_L
ClientSampleId :
ENV-101-SB02

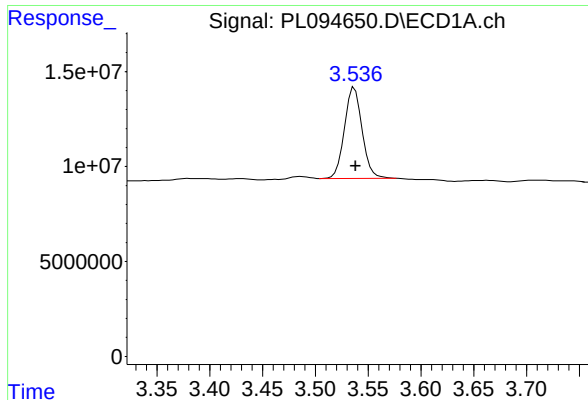
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/13/2025
Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:36:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





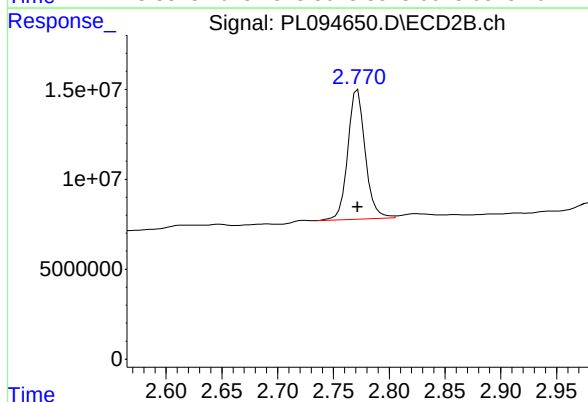
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 55947590
Conc: 19.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB02

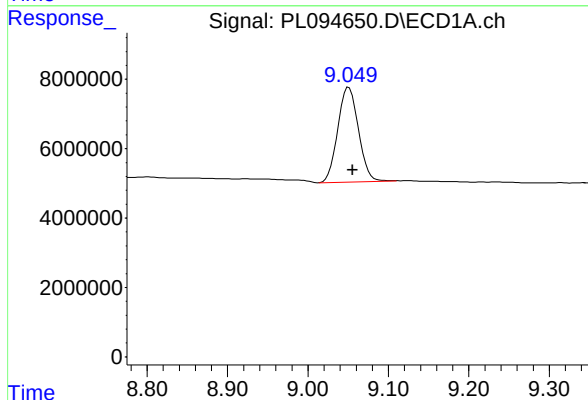
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



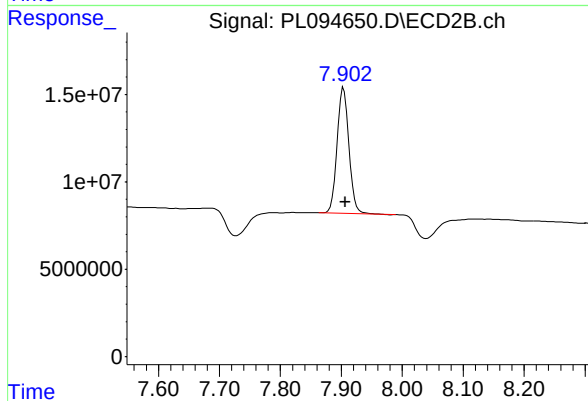
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.000 min
Response: 78108985
Conc: 21.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.006 min
Response: 48990509
Conc: 23.25 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 97282904
Conc: 24.08 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-06	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094654.D	1	03/11/25 11:54	03/12/25 20:05	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	28.5		30 (43) - 150 (140)	143%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.1		30 (77) - 150 (126)	111%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094654.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 20:05
 Operator : AR\AJ
 Sample : Q1488-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ENV-102-SB01

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/13/2025
 Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:37:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	62589210	76747942	22.111m	21.502m
28) SA Decachlor...	9.049	7.903	60144523	109.4E6	28.539	27.080

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094654.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 20:05
Operator : AR\AJ
Sample : Q1488-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

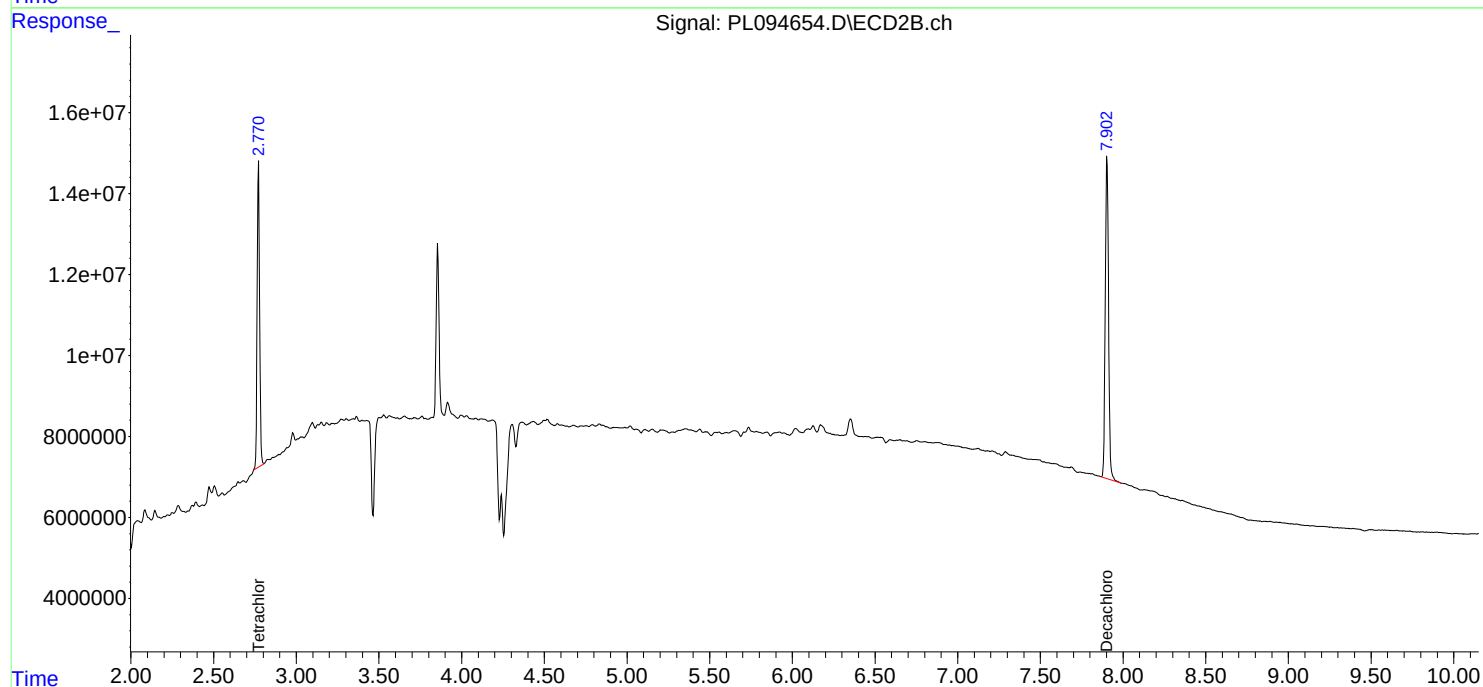
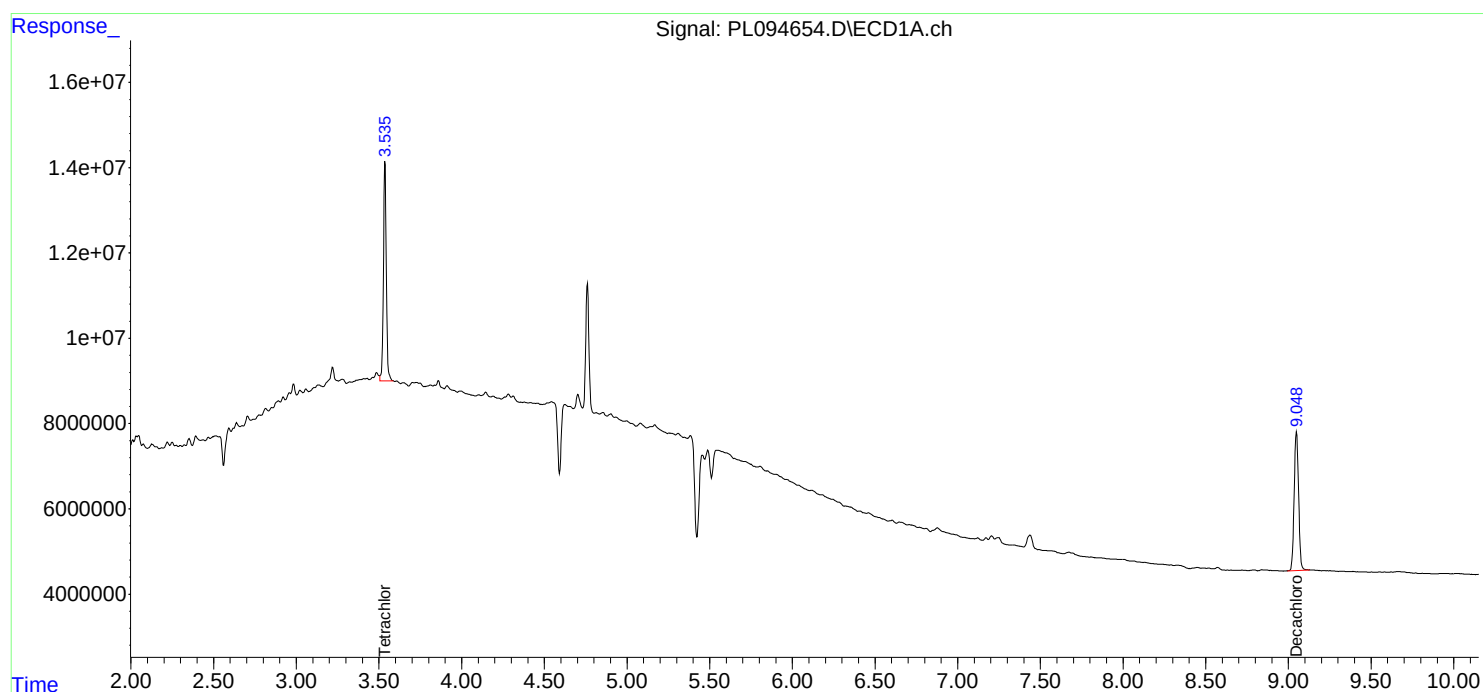
Instrument :
ECD_L
ClientSampleId :
ENV-102-SB01

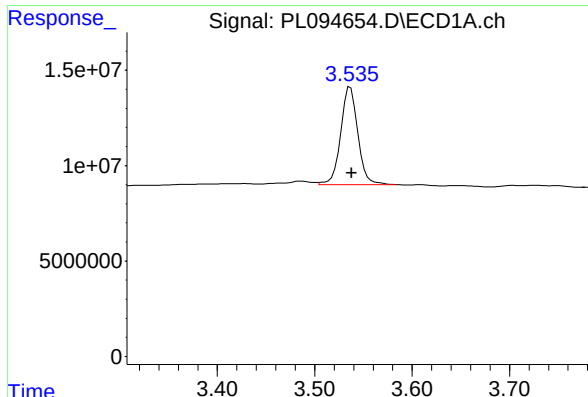
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/13/2025
Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:37:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





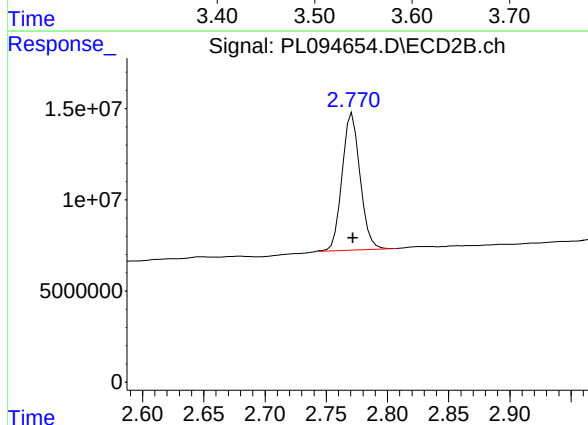
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 62589210
Conc: 22.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-102-SB01

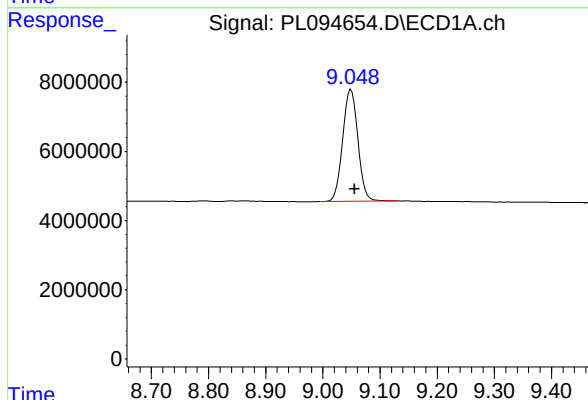
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



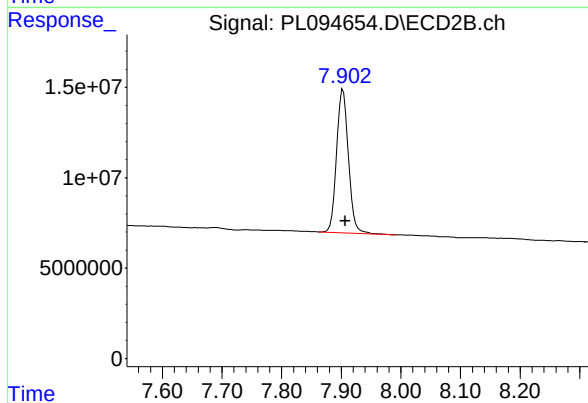
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 76747942
Conc: 21.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.007 min
Response: 60144523
Conc: 28.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 109385009
Conc: 27.08 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-08	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094655.D	1	03/11/25 11:54	03/12/25 20:19	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	27.2		30 (43) - 150 (140)	136%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		30 (77) - 150 (126)	103%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094655.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 20:19
 Operator : AR\AJ
 Sample : Q1488-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ENV-102-SB02

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/13/2025
 Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:37:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	58232832	73110721	20.572m	20.483m
28) SA Decachlor...	9.051	7.903	57358736	104.7E6	27.217	25.932

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094655.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 20:19
Operator : AR\AJ
Sample : Q1488-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

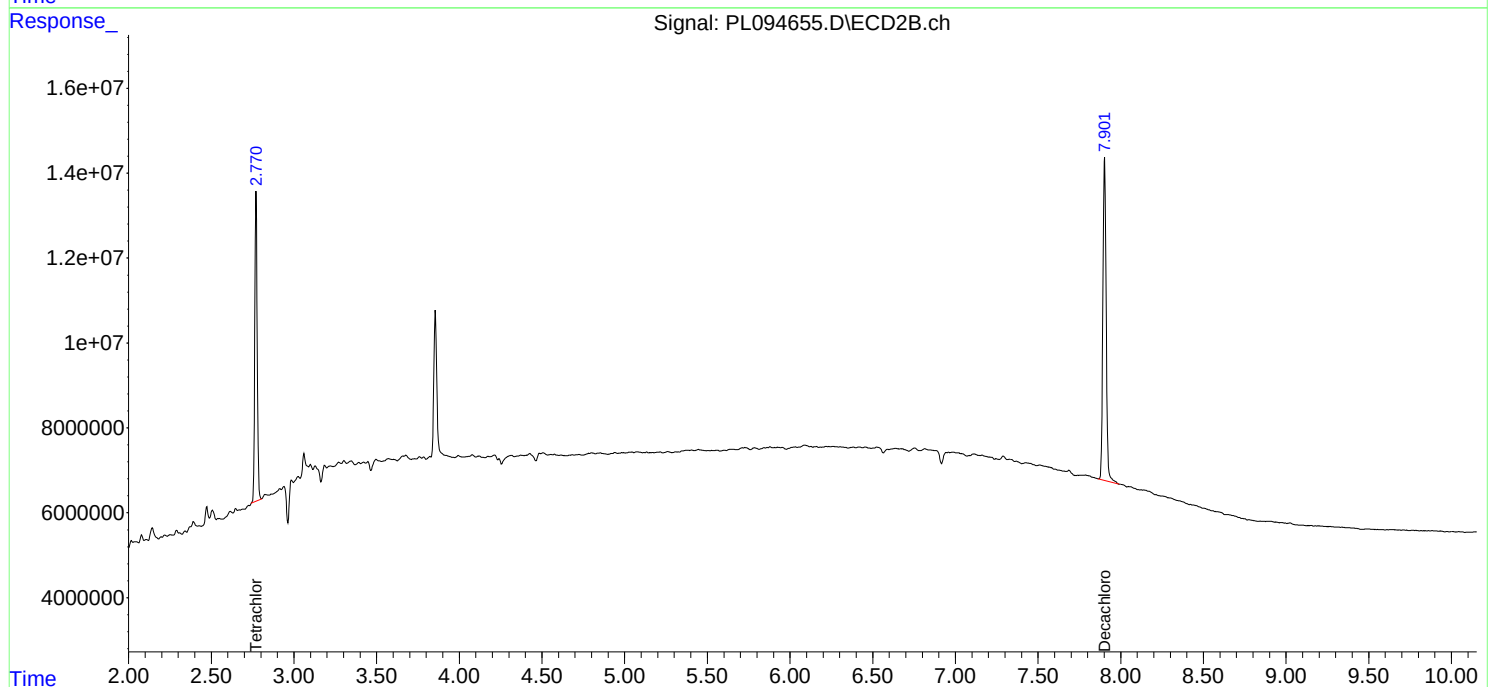
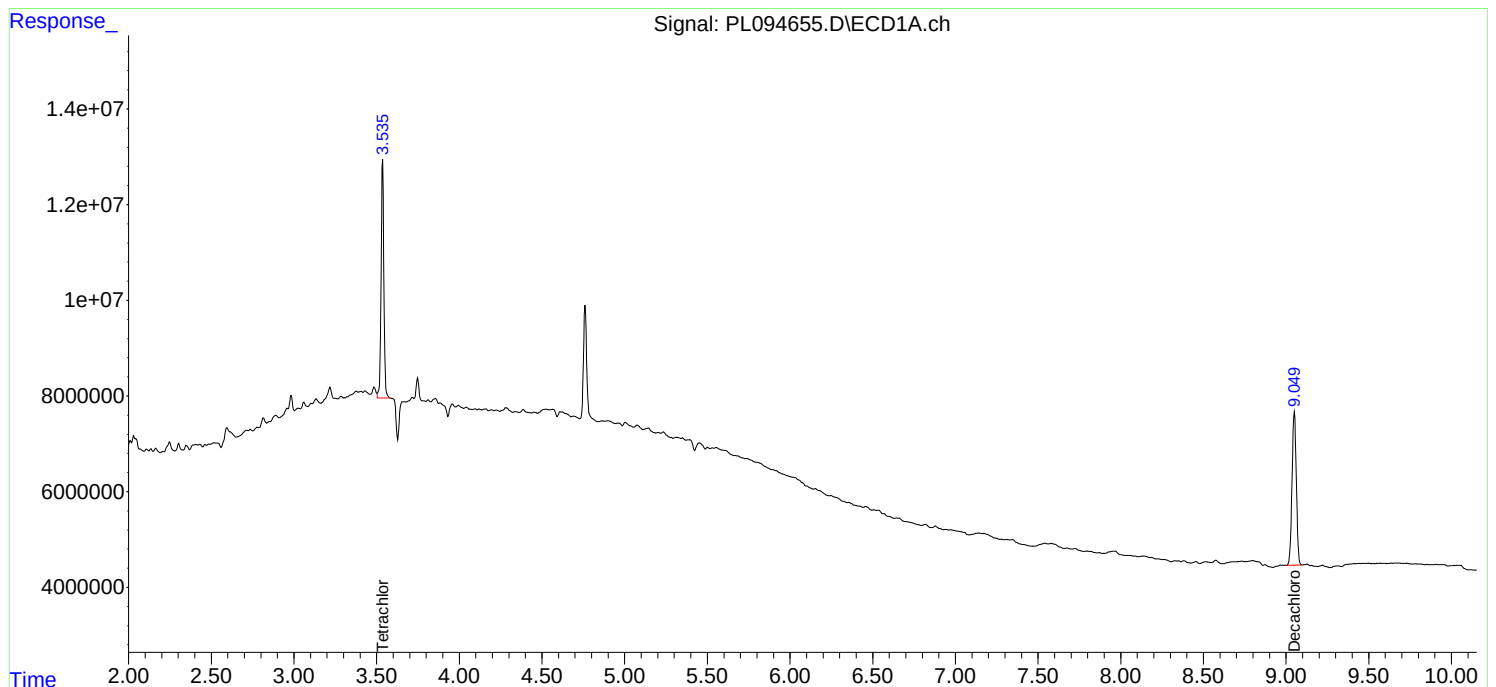
Instrument :
ECD_L
ClientSampleId :
ENV-102-SB02

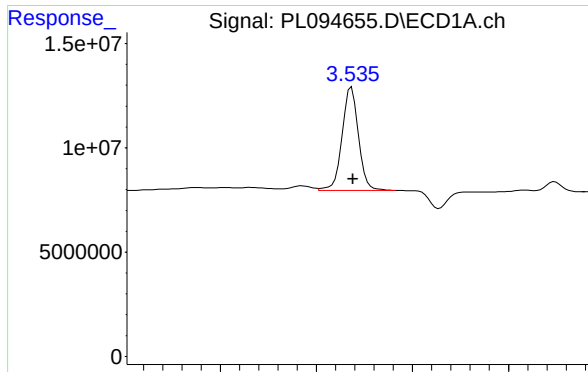
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/13/2025
Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time : Mar 13 05:37:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





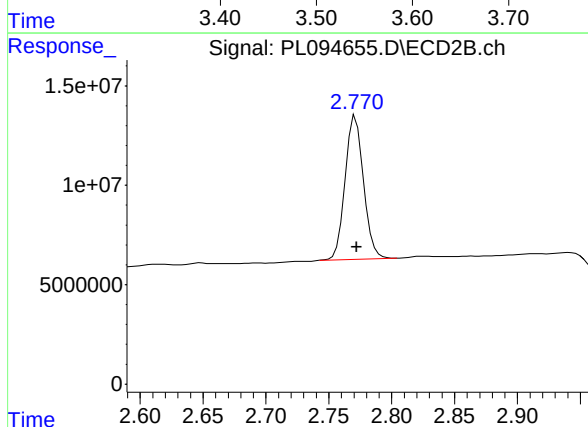
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 58232832
Conc: 20.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-102-SB02

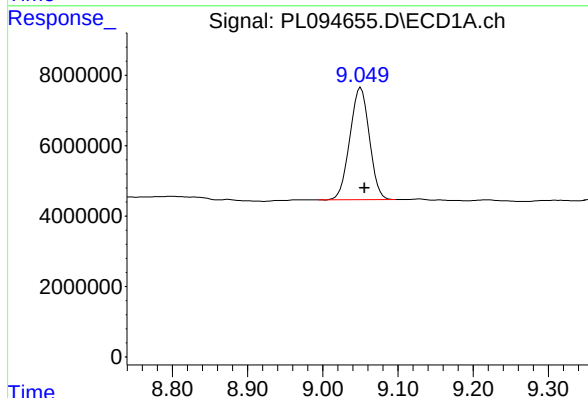
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



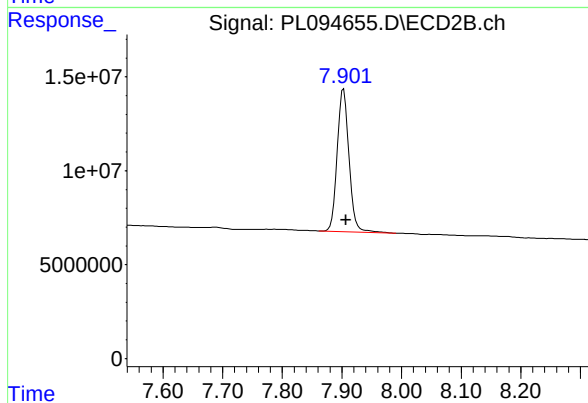
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 73110721
Conc: 20.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 57358736
Conc: 27.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 104747203
Conc: 25.93 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-10	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094656.D	1	03/11/25 11:54	03/12/25 20:33	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	26.1		30 (43) - 150 (140)	131%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		30 (77) - 150 (126)	102%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094656.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 20:33
 Operator : AR\AJ
 Sample : Q1488-10
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ENV-104-SB01

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/13/2025
 Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:37:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	2.772	56187831	73043546	19.850m	20.465
28) SA Decachlor...	9.050	7.904	55088475	101.0E6	26.140	24.999

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094656.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 20:33
Operator : AR\AJ
Sample : Q1488-10
Misc :
ALS Vial : 29 Sample Multiplier: 1

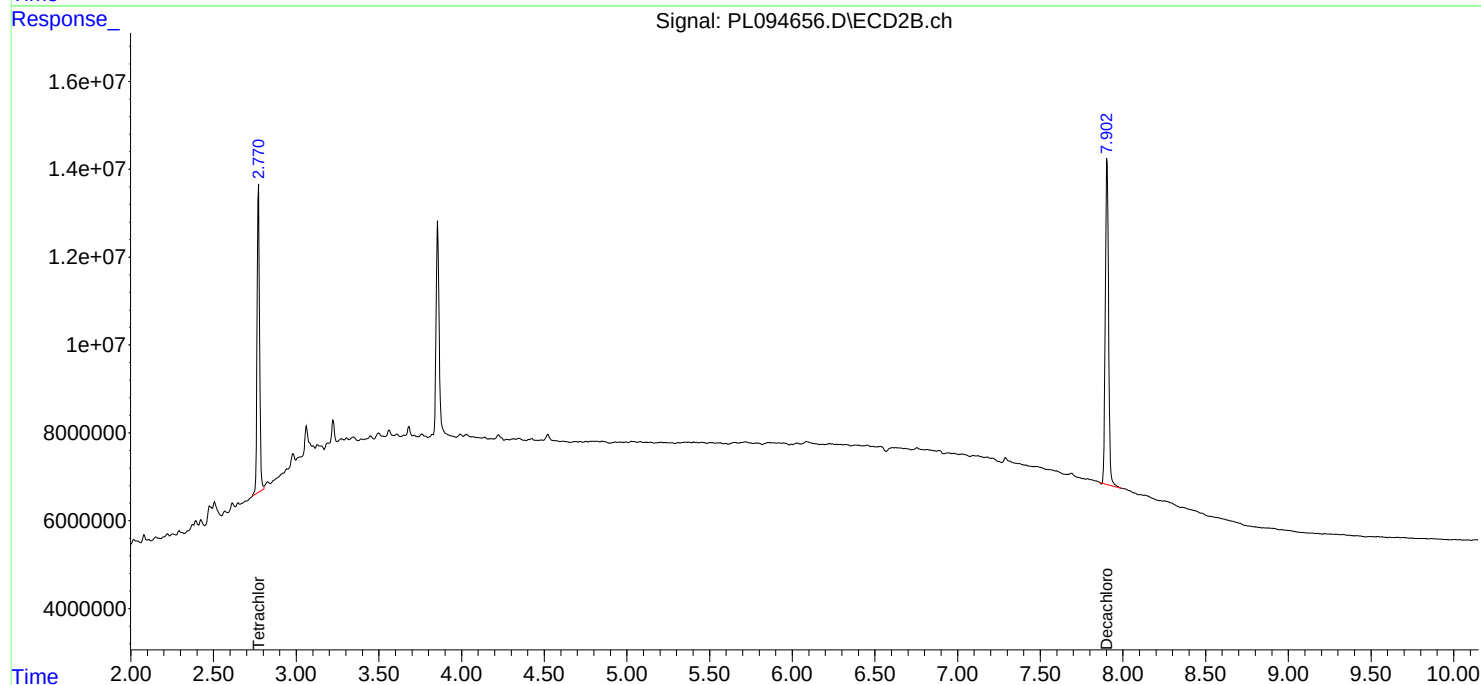
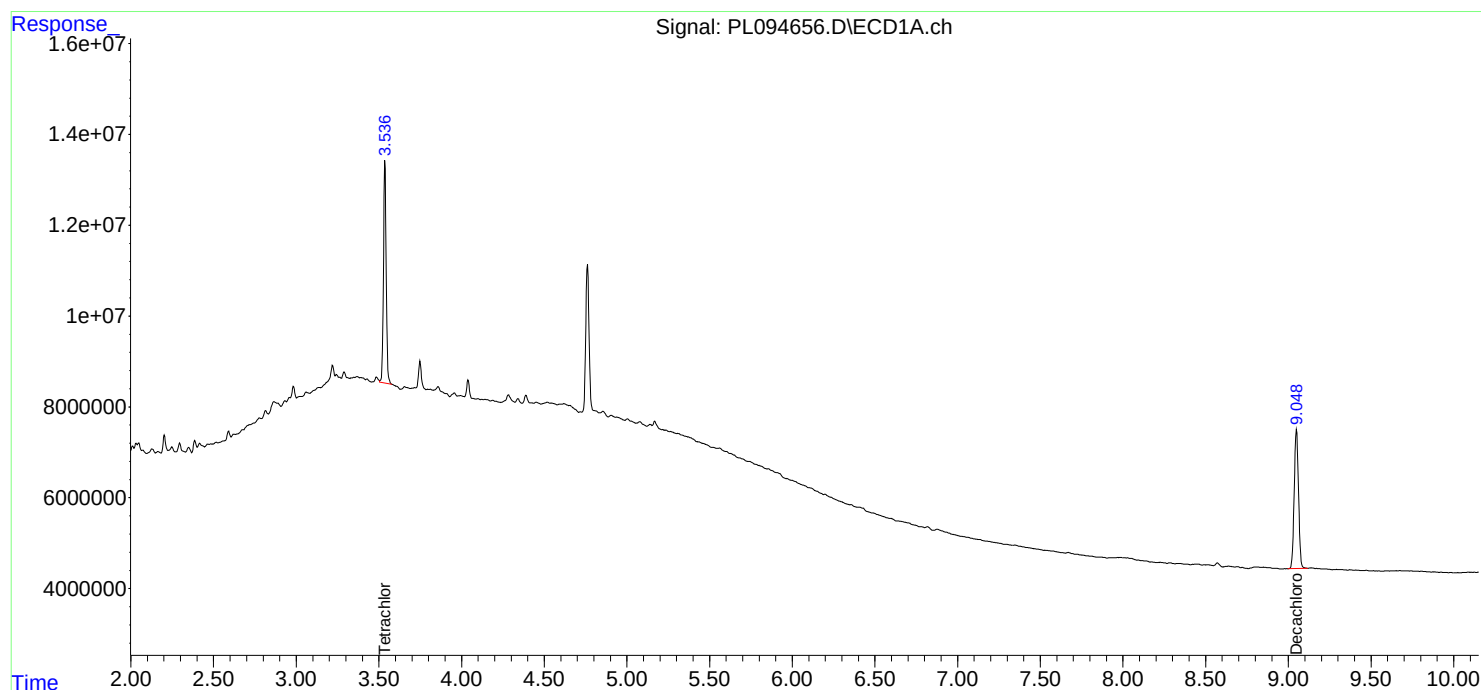
Instrument :
ECD_L
ClientSampleId :
ENV-104-SB01

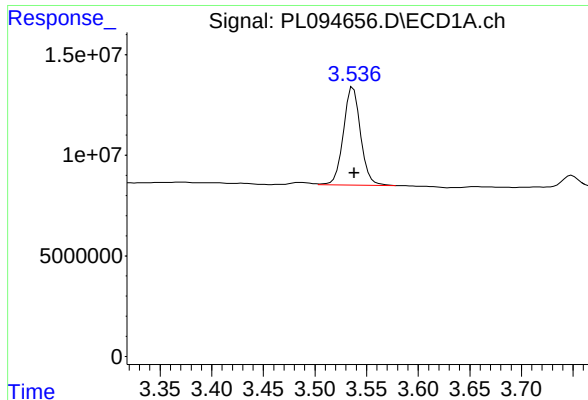
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/13/2025
Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:37:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





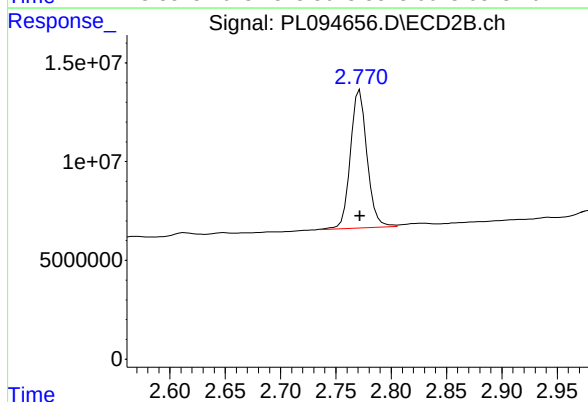
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 56187831
Conc: 19.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-104-SB01

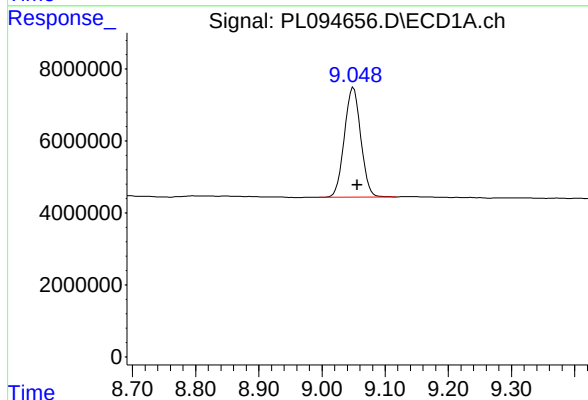
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



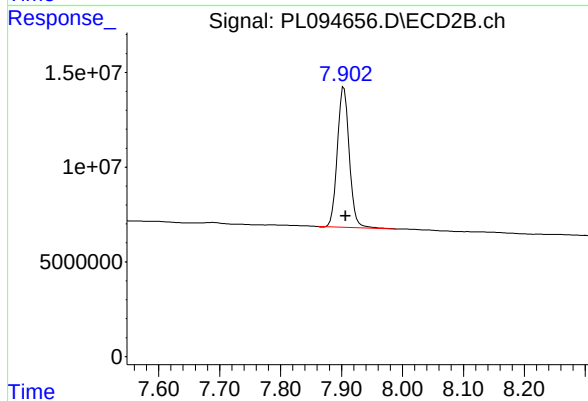
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.000 min
Response: 73043546
Conc: 20.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.006 min
Response: 55088475
Conc: 26.14 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 100979211
Conc: 25.00 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-12	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094657.D	1	03/11/25 11:54	03/12/25 20:46	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	27.5		30 (43) - 150 (140)	137%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		30 (77) - 150 (126)	106%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094657.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 20:46
 Operator : AR\AJ
 Sample : Q1488-12
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ENV-104-SB02

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:37:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	57781003	75893023	20.412	21.263
28) SA Decachlor...	9.049	7.903	57866231	107.0E6	27.458	26.501

Target Compounds

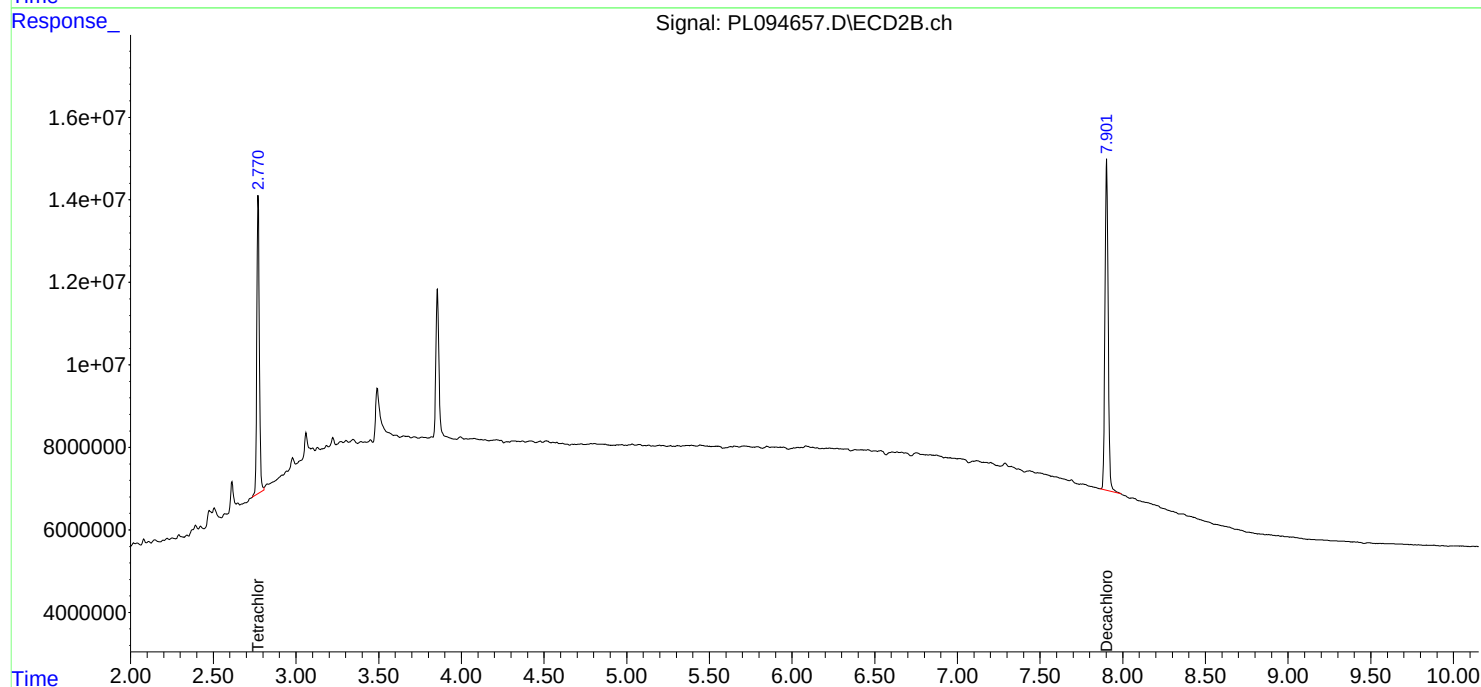
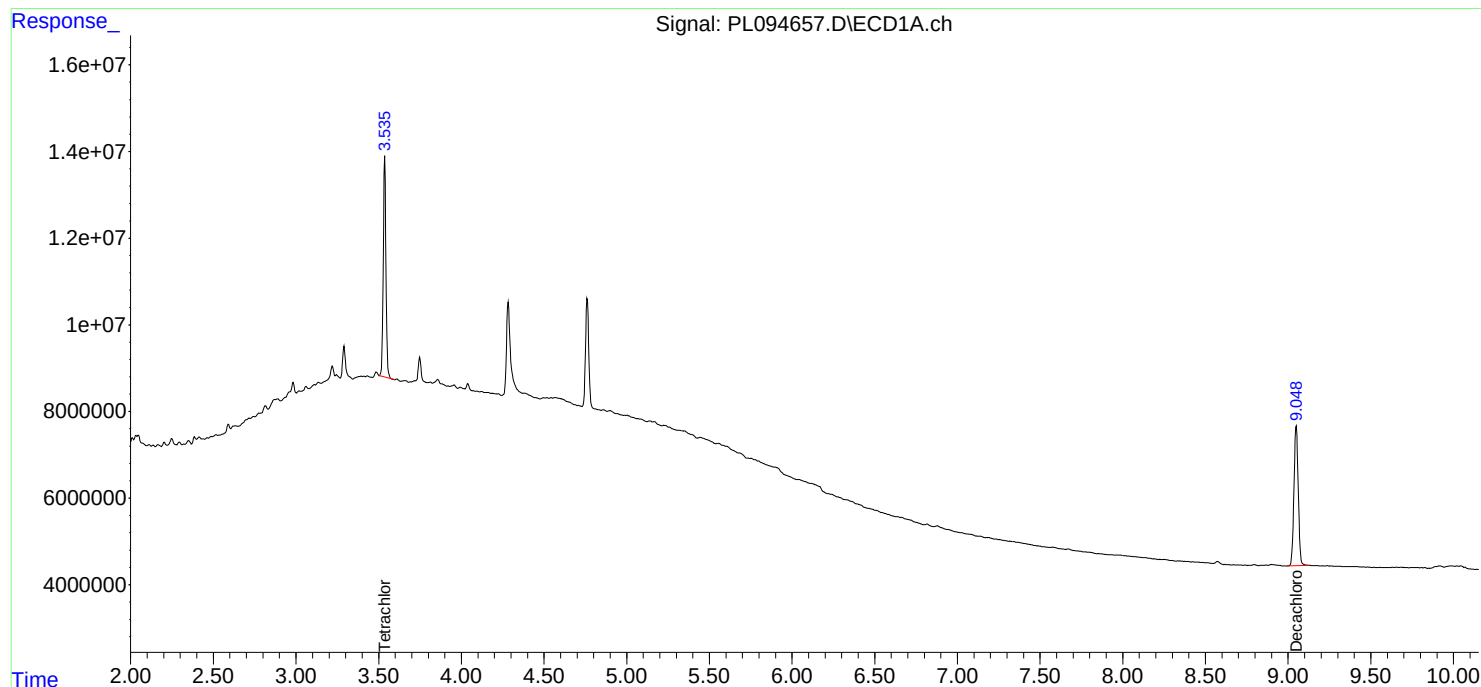
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

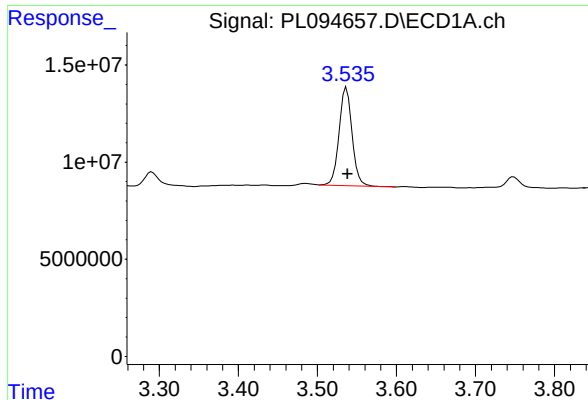
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 20:46
Operator : AR\AJ
Sample : Q1488-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ENV-104-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:37:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

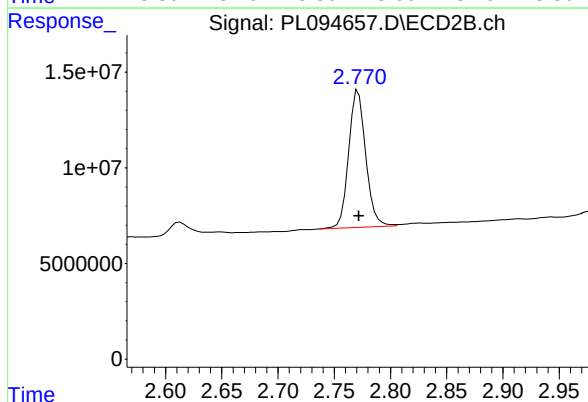




#1 Tetrachloro-m-xylene

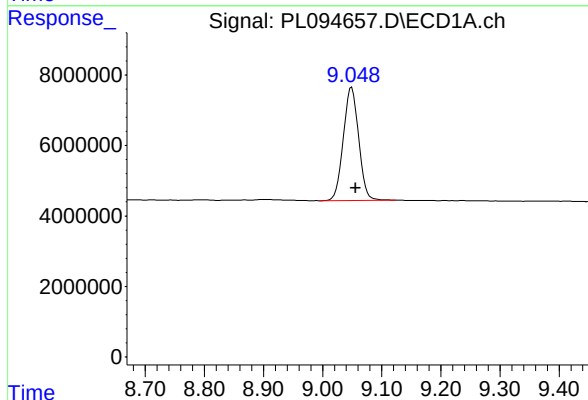
R.T.: 3.537 min
Delta R.T.: -0.001 min
Response: 57781003
Conc: 20.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-104-SB02



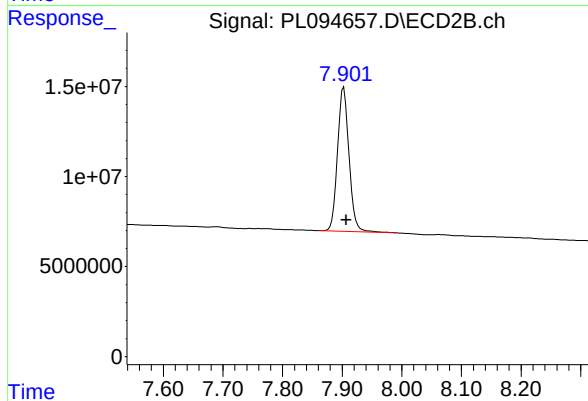
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 75893023
Conc: 21.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.006 min
Response: 57866231
Conc: 27.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 107046993
Conc: 26.50 ng/ml



CALIBRATION SUMMARY

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

[illegible]

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

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Instrument ID: ECD_L

Calibration Date(s): 03/11/2025 03/11/2025

Calibration Times: 10:35 11:29

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

LAB FILE ID:							CF 100 =	<u>PL094569.D</u>	CF 075 =	<u>PL094570.D</u>	
CF 050 =							<u>PL094571.D</u>	CF 025 =	<u>PL094572.D</u>	CF 005 =	<u>PL094573.D</u>
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD				
Decachlorobiphenyl	1938960000	1961100000	2020410000	2196220000	2420590000	2107460000	10				
Endrin	2585940000	2584670000	2628790000	2810860000	3250100000	2772070000	10				
gamma-BHC (Lindane)	3886090000	3824550000	3841420000	4060770000	4338530000	3990270000	5				
Heptachlor	3645730000	3661000000	3717820000	3965990000	4417600000	3881630000	8				
Heptachlor epoxide	3127680000	3124100000	3197280000	3386170000	3890740000	3345200000	10				
Methoxychlor	1109170000	1148450000	1148150000	1275940000	1303650000	1197070000	7				
Tetrachloro-m-xylene	2677630000	2681900000	2722740000	2922670000	3148400000	2830670000	7				



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Instrument ID: ECD_L

Calibration Date(s): 03/11/2025 03/11/2025

Calibration Times: 10:35 11:29

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

LAB FILE ID:		CF 100 =	<u>PL094569.D</u>	CF 075 =	<u>PL094570.D</u>		
CF 050 =		<u>PL094571.D</u>	CF 025 =	<u>PL094572.D</u>	CF 005 =	<u>PL094573.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	3950320000	3868520000	3903950000	4095240000	4378770000	4039360000	5
Endrin	4434550000	4325290000	4326060000	4330520000	4401830000	4363650000	1
gamma-BHC (Lindane)	5372230000	5230100000	5132530000	5070750000	4891640000	5139450000	3
Heptachlor	5363060000	5262730000	5228770000	5273220000	5215450000	5268650000	1
Heptachlor epoxide	4619190000	4519300000	4529520000	4593130000	4631780000	4578580000	1
Methoxychlor	2089160000	2085630000	2099350000	2155560000	2175640000	2121070000	2
Tetrachloro-m-xylene	3572520000	3517330000	3502400000	3623970000	3630140000	3569270000	2



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Instrument ID: ECD_L Date(s) Analyzed: 03/11/2025 03/11/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.70	4.60	4.80	134630000
		2	5.23	5.13	5.33	144652000
		3	5.94	5.84	6.04	464863000
		4	6.02	5.92	6.12	547710000
		5	6.87	6.77	6.97	104488000
Toxaphene	500	1	6.24	6.14	6.34	25951700
		2	6.44	6.34	6.54	16397600
		3	7.06	6.96	7.16	82030600
		4	7.15	7.05	7.25	62943200
		5	7.93	7.83	8.03	45040400



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Instrument ID: ECD_L Date(s) Analyzed: 03/11/2025 03/11/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.77	3.67	3.87	148442000
		2	4.35	4.25	4.45	174676000
		3	4.97	4.87	5.07	522517000
		4	5.04	4.94	5.14	515418000
		5	5.93	5.83	6.03	187177000
Toxaphene	500	1	5.00	4.90	5.10	26020300
		2	5.32	5.22	5.42	25489100
		3	5.68	5.58	5.78	28236400
		4	6.60	6.50	6.70	96540400
		5	7.04	6.94	7.14	93337600

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094569.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:35
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC100

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:23:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 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	267.8E6	357.3E6	99.165	100.991
28)	SA Decachlor...	9.054	7.905	193.9E6	395.0E6	97.943	100.590
Target Compounds							
2)	A alpha-BHC	3.994	3.274	405.1E6	569.7E6	100.552	102.608
3)	MA gamma-BHC...	4.327	3.604	388.6E6	537.2E6	100.578	102.282
4)	MA Heptachlor	4.914	3.942	364.6E6	536.3E6	99.021	101.268
5)	MB Aldrin	5.256	4.221	348.7E6	504.3E6	99.355	102.086
6)	B beta-BHC	4.525	3.904	167.3E6	219.0E6	97.941	100.407
7)	B delta-BHC	4.772	4.133	373.2E6	524.5E6	100.154	102.450
8)	B Heptachlo...	5.682	4.724	312.8E6	461.9E6	98.900	100.980
9)	A Endosulfan I	6.069	5.093	285.6E6	445.6E6	98.821	101.246
10)	B gamma-Chl...	5.939	4.974	315.2E6	494.7E6	99.127	101.813
11)	B alpha-Chl...	6.018	5.037	307.8E6	484.8E6	98.919	101.428
12)	B 4,4'-DDE	6.191	5.226	280.1E6	475.6E6	99.232	101.777
13)	MA Dieldrin	6.344	5.357	299.9E6	499.1E6	99.313	102.045
14)	MA Endrin	6.573	5.634	258.6E6	443.5E6	99.178	101.238
15)	B Endosulfa...	6.794	5.928	251.0E6	434.7E6	98.634	101.059
16)	A 4,4'-DDD	6.710	5.781	205.5E6	374.5E6	98.978	102.209
17)	MA 4,4'-DDT	7.022	6.031	225.1E6	420.6E6	99.295	102.337
18)	B Endrin al...	6.924	6.108	189.9E6	330.1E6	97.545	100.338
19)	B Endosulfa...	7.158	6.330	220.3E6	411.4E6	97.946	101.002
20)	A Methoxychlor	7.498	6.606	110.9E6	208.9E6	98.022m	99.757
21)	B Endrin ke...	7.643	6.836	248.5E6	478.7E6	99.610	100.842
22)	Mirex	8.115	7.015	184.4E6	365.6E6	96.823m	99.620

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094569.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:35
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC100

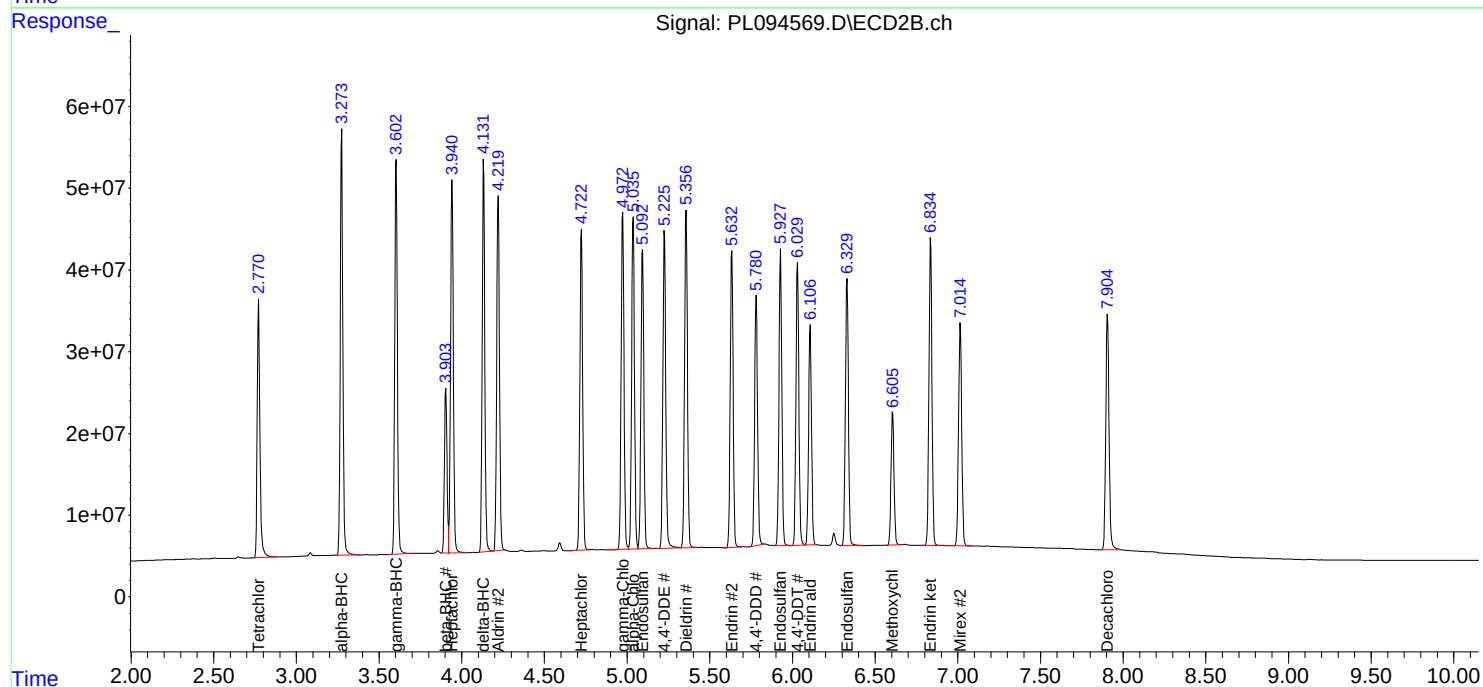
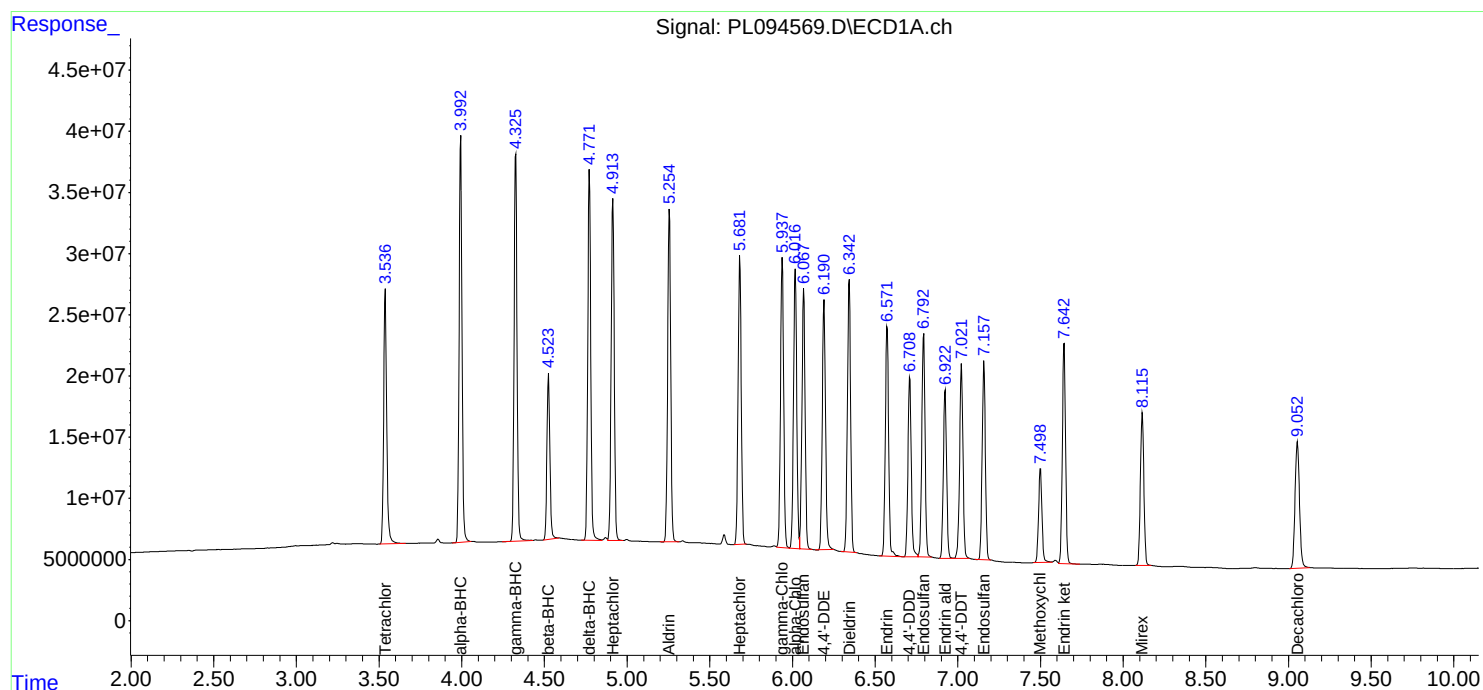
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/12/2025
 Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:23:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 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\PL031125\
 Data File : PL094570.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:49
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:25:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 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	201.1E6	263.8E6	74.661	74.715
28)	SA Decachlor...	9.055	7.907	147.1E6	290.1E6	74.529	74.250
Target Compounds							
2)	A alpha-BHC	3.994	3.274	299.7E6	415.1E6	74.590	74.846
3)	MA gamma-BHC...	4.327	3.604	286.8E6	392.3E6	74.491	74.788
4)	MA Heptachlor	4.915	3.942	274.6E6	394.7E6	74.717	74.686
5)	MB Aldrin	5.256	4.221	261.3E6	367.8E6	74.639	74.632
6)	B beta-BHC	4.525	3.905	126.6E6	161.7E6	74.425	74.433
7)	B delta-BHC	4.773	4.133	276.2E6	381.6E6	74.421	74.685
8)	B Heptachlo...	5.683	4.724	234.3E6	338.9E6	74.391	74.396
9)	A Endosulfan I	6.068	5.094	214.1E6	327.1E6	74.379	74.540
10)	B gamma-Chl...	5.939	4.974	236.0E6	360.5E6	74.469	74.458
11)	B alpha-Chl...	6.018	5.038	230.0E6	353.6E6	74.279	74.319
12)	B 4,4'-DDE	6.192	5.226	209.3E6	344.3E6	74.444	74.114
13)	MA Dieldrin	6.343	5.358	223.3E6	363.9E6	74.299	74.605
14)	MA Endrin	6.574	5.634	193.9E6	324.4E6	74.564	74.369
15)	B Endosulfa...	6.793	5.928	187.1E6	317.8E6	74.019	74.259
16)	A 4,4'-DDD	6.710	5.781	152.9E6	270.0E6	74.080	74.117
17)	MA 4,4'-DDT	7.024	6.032	169.4E6	304.6E6	74.825	74.399
18)	B Endrin al...	6.924	6.108	143.4E6	242.5E6	74.079	74.128
19)	B Endosulfa...	7.158	6.331	167.1E6	298.4E6	74.536	73.822
20)	A Methoxychlor	7.500	6.607	86133491	156.4E6	75.871	74.794
21)	B Endrin ke...	7.644	6.836	186.7E6	352.0E6	74.884	74.420
22)	Mirex	8.115	7.015	140.5E6	271.3E6	74.155m	74.275

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094570.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:49
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

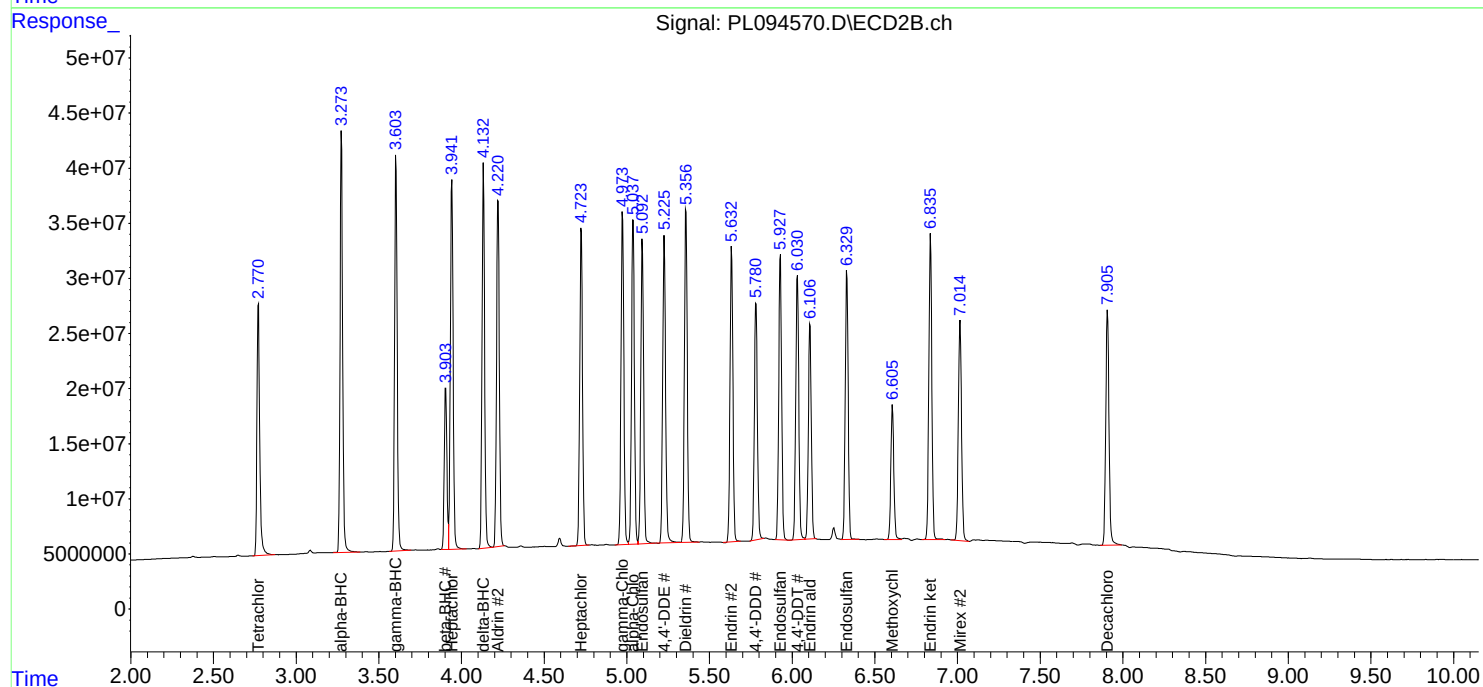
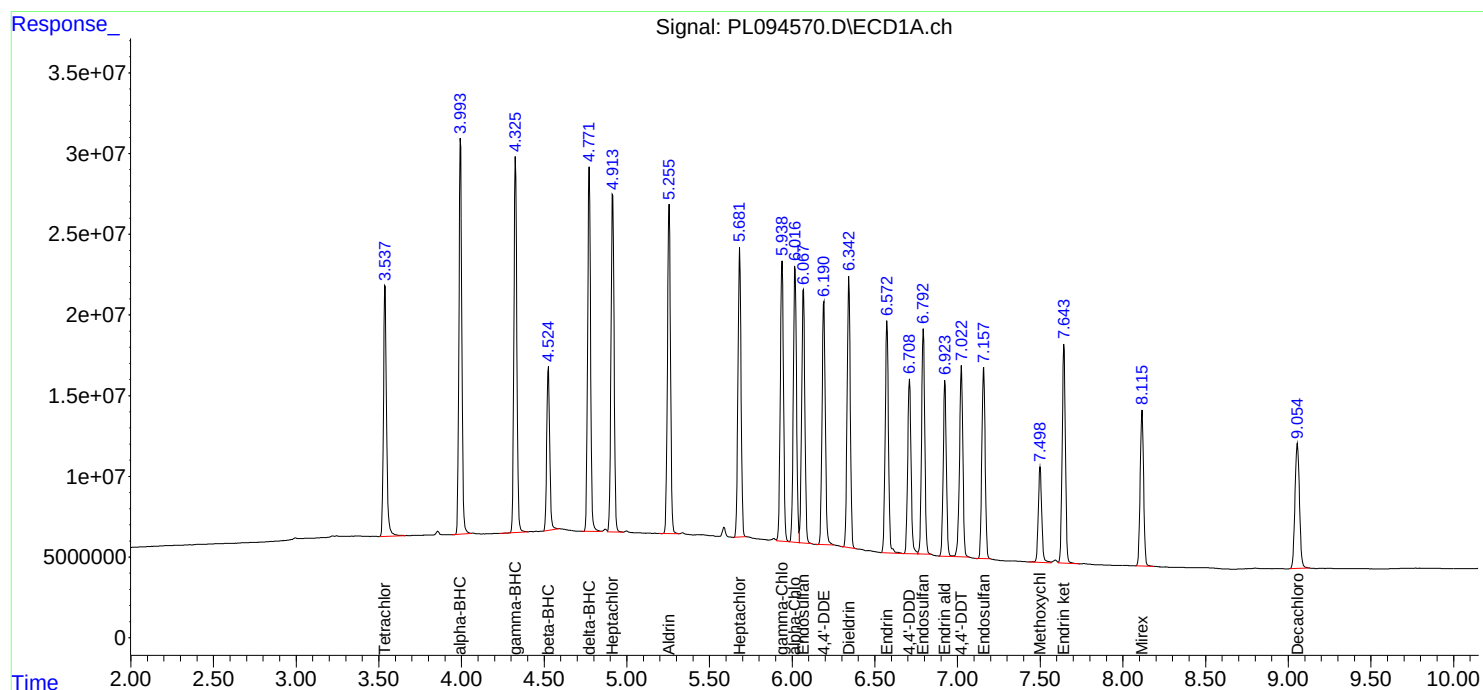
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:25:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 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\PL031125\
 Data File : PL094571.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 11:02
 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: Mar 11 17:20:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 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	2.772	136.1E6	175.1E6	50.000	50.000
28)	SA Decachlor...	9.056	7.907	101.0E6	195.2E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.994	3.274	200.3E6	270.4E6	50.000	50.000
3)	MA gamma-BHC...	4.327	3.604	192.1E6	256.6E6	50.000	50.000
4)	MA Heptachlor	4.915	3.942	185.9E6	261.4E6	50.000	50.000
5)	MB Aldrin	5.256	4.222	176.6E6	241.9E6	50.000	50.000
6)	B beta-BHC	4.525	3.905	87145707	108.6E6	50.000	50.000
7)	B delta-BHC	4.773	4.133	186.0E6	249.7E6	50.000	50.000
8)	B Heptachlo...	5.683	4.725	159.9E6	226.5E6	50.000	50.000
9)	A Endosulfan I	6.069	5.094	146.2E6	217.3E6	50.000	50.000
10)	B gamma-Chl...	5.940	4.974	160.4E6	238.5E6	50.000	50.000
11)	B alpha-Chl...	6.018	5.038	157.3E6	235.6E6	50.000	50.000
12)	B 4,4'-DDE	6.193	5.227	142.2E6	229.5E6	50.000	50.000
13)	MA Dieldrin	6.344	5.358	152.0E6	239.6E6	50.000	50.000
14)	MA Endrin	6.574	5.634	131.4E6	216.3E6	50.000	50.000
15)	B Endosulfa...	6.794	5.929	129.0E6	212.8E6	50.000	50.000
16)	A 4,4'-DDD	6.710	5.782	104.9E6	179.1E6	50.000	50.000
17)	MA 4,4'-DDT	7.024	6.032	114.1E6	200.7E6	50.000	50.000
18)	B Endrin al...	6.924	6.108	99751178	164.0E6	50.000	50.000
19)	B Endosulfa...	7.159	6.331	114.8E6	201.6E6	50.000	50.000
20)	A Methoxychlor	7.500	6.607	57407619	105.0E6	50.000	50.000
21)	B Endrin ke...	7.644	6.836	125.2E6	235.4E6	50.000	50.000
22)	Mirex	8.117	7.016	98343828	184.2E6	50.000	50.000

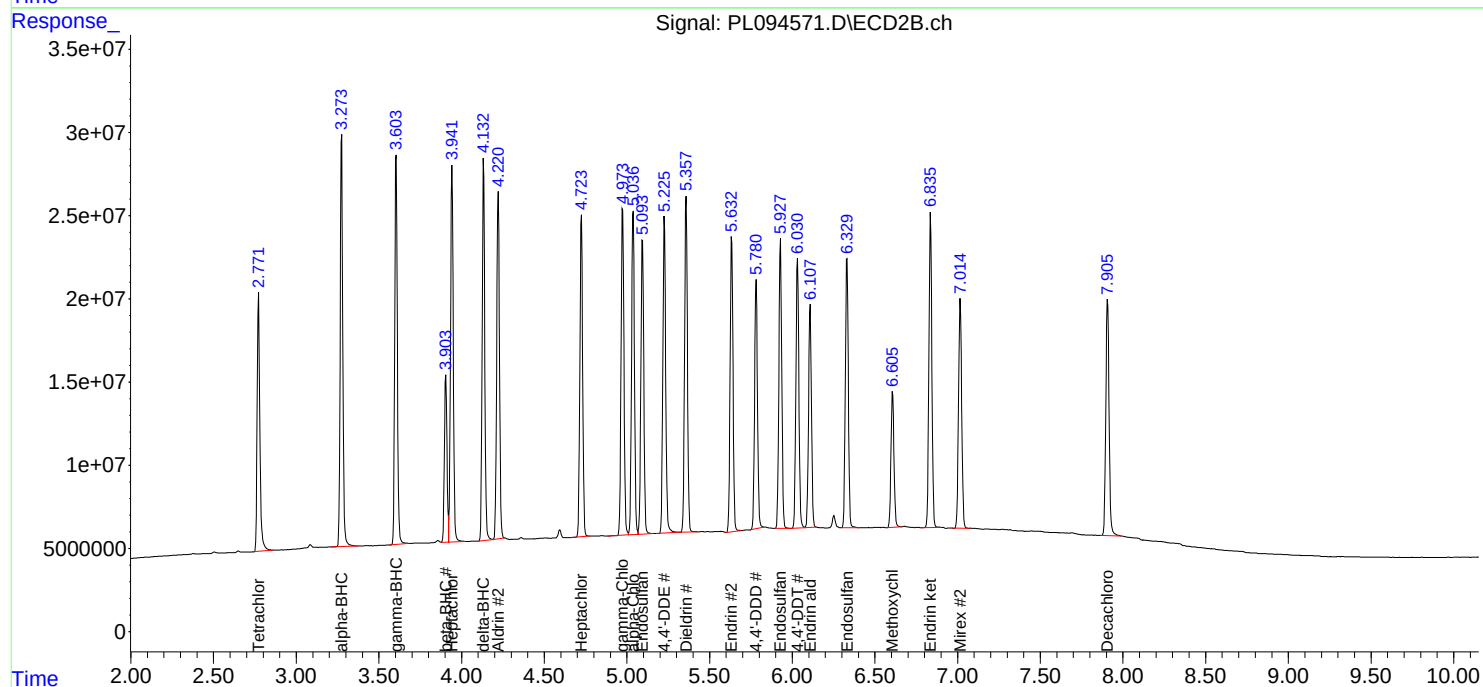
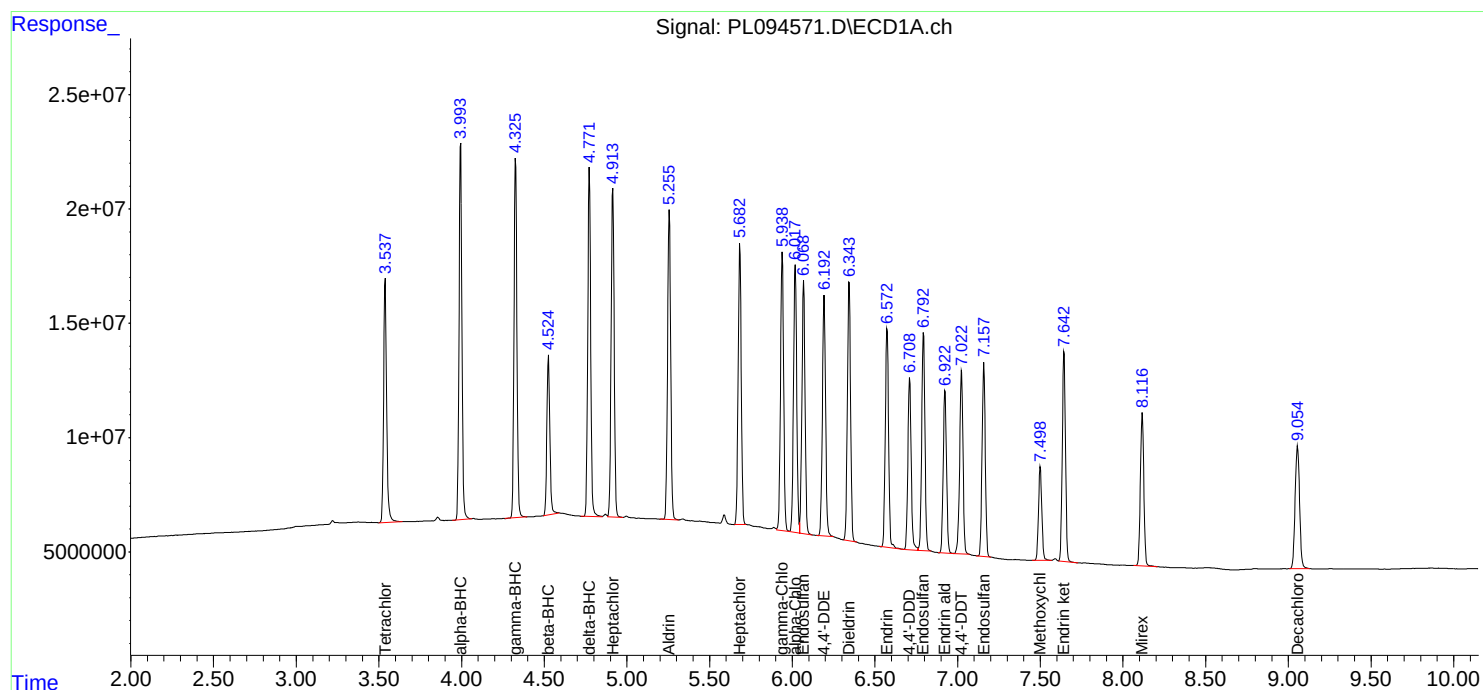
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:02
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: Mar 11 17:20:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 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\PL031125\
 Data File : PL094572.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 11:16
 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: Mar 11 17:28:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 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	2.772	73066671	90599228	26.558	25.492
28) SA Decachlor...	9.055	7.907	54905551	102.4E6	27.058	25.890
Target Compounds						
2) A alpha-BHC	3.994	3.274	105.2E6	134.6E6	25.874	24.443
3) MA gamma-BHC...	4.327	3.604	101.5E6	126.8E6	26.009	24.372
4) MA Heptachlor	4.914	3.942	99149732	131.8E6	26.457	24.959
5) MB Aldrin	5.256	4.221	94187974	120.4E6	26.402	24.569
6) B beta-BHC	4.526	3.904	48079996	56269720	27.369	25.667
7) B delta-BHC	4.773	4.133	98323171	123.6E6	26.102	24.383
8) B Heptachlo...	5.683	4.724	84654368	114.8E6	26.382	25.152
9) A Endosulfan I	6.069	5.094	78452105	109.8E6	26.656	25.025
10) B gamma-Chl...	5.939	4.974	85736945	120.3E6	26.511	24.885
11) B alpha-Chl...	6.018	5.038	84236346	119.0E6	26.614	25.007
12) B 4,4'-DDE	6.192	5.226	75662927	117.7E6	26.403	25.252
13) MA Dieldrin	6.343	5.358	81751323	121.7E6	26.614	24.964
14) MA Endrin	6.573	5.633	70271451	108.3E6	26.492	24.865
15) B Endosulfa...	6.794	5.928	69950473	108.6E6	26.949	25.271
16) A 4,4'-DDD	6.709	5.781	55973758	88985458	26.562	24.571
17) MA 4,4'-DDT	7.024	6.031	61047291	100.3E6	26.444	24.621
18) B Endrin al...	6.924	6.108	54068010	84742965	27.140	25.673
19) B Endosulfa...	7.158	6.330	62993381	101.9E6	27.252	25.152
20) A Methoxychlor	7.499	6.606	31898493	53888956	27.254	25.571
21) B Endrin ke...	7.644	6.836	68364354	121.7E6	26.773	25.550
22) Mirex	8.116	7.015	54255455	97357778	27.632	26.224

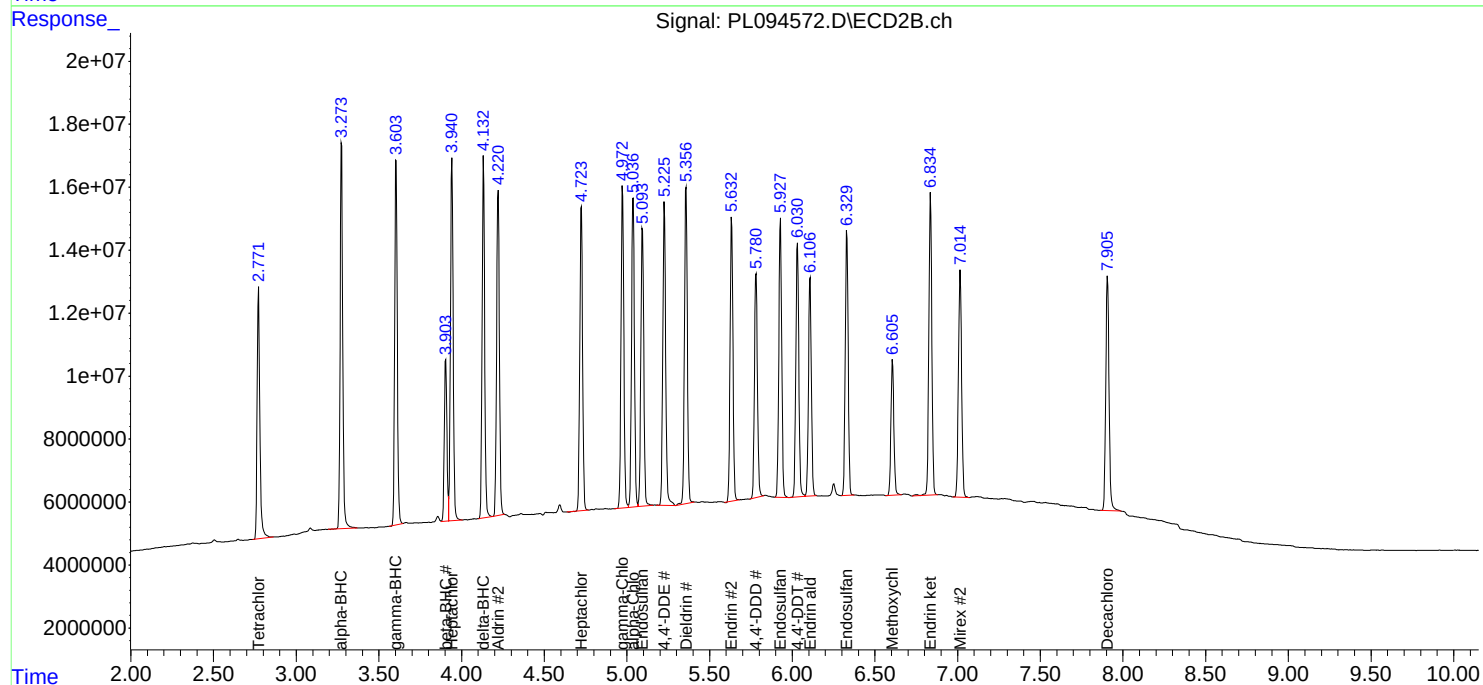
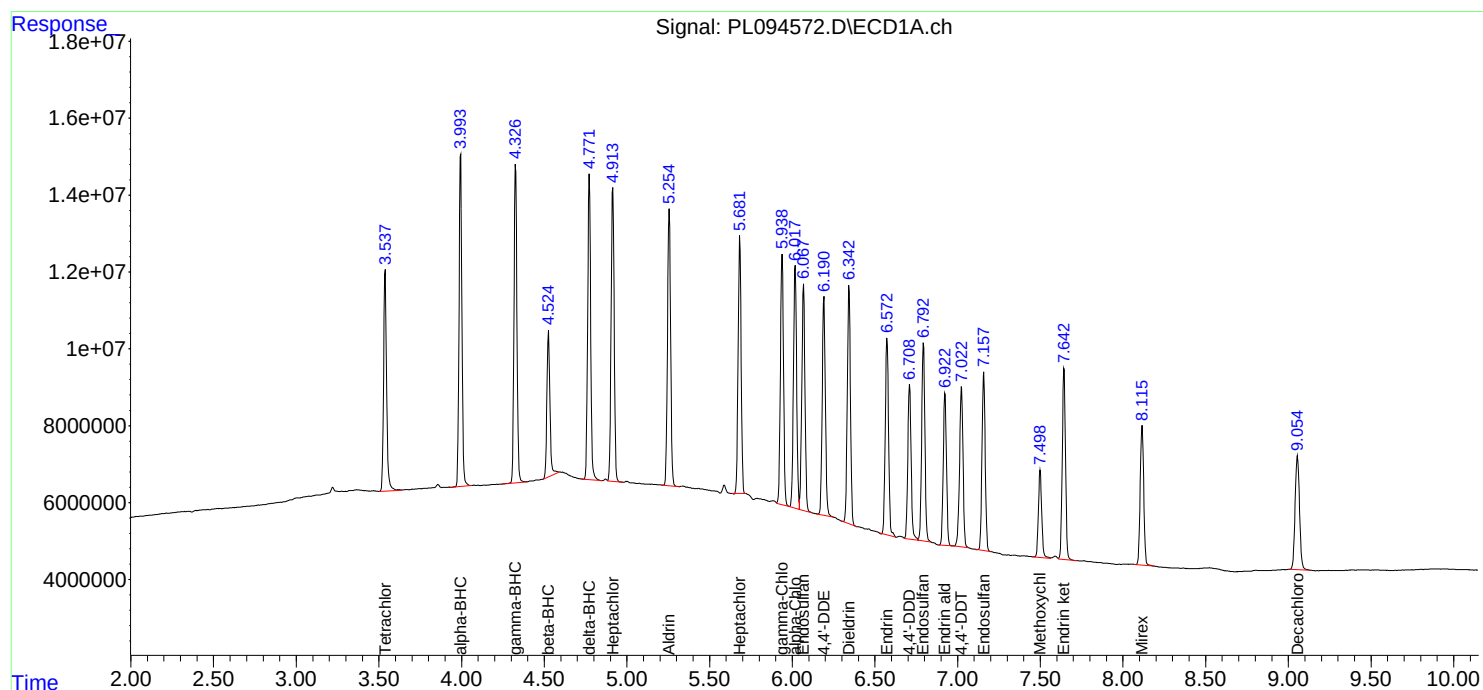
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:16
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: Mar 11 17:28:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 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\PL031125\
 Data File : PL094573.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 11:29
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 03/12/2025
 Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:30:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 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	2.772	15742011	18150694	5.561	5.085
28) SA Decachlor...	9.054	7.907	12102935	21893845	5.743	5.420
Target Compounds						
2) A alpha-BHC	3.994	3.274	22508812	24676980	5.421	4.577
3) MA gamma-BHC...	4.327	3.604	21692650	24458202	5.436	4.759
4) MA Heptachlor	4.915	3.942	22087992	26077247	5.690	4.950
5) MB Aldrin	5.255	4.221	20957367	23908309	5.676	4.903
6) B beta-BHC	4.526	3.904	10995992	11686040	5.959	5.261
7) B delta-BHC	4.773	4.133	22020853	23699092	5.655	4.738
8) B Heptachlo...	5.683	4.724	19453698	23158906	5.815	5.058
9) A Endosulfan I	6.068	5.093	17891515	21935089	5.827	4.998
10) B gamma-Chl...	5.939	4.974	19554071	24034465	5.803	4.978
11) B alpha-Chl...	6.018	5.037	19118493	24149442	5.799	5.060
12) B 4,4'-DDE	6.192	5.224	16237816	22997354	5.519	4.945m
13) MA Dieldrin	6.343	5.356	18519033	23776399	5.791	4.897m
14) MA Endrin	6.573	5.634	16250514	22009138	5.928	5.044
15) B Endosulfa...	6.794	5.928	15955971	22294667	5.878	5.151
16) A 4,4'-DDD	6.709	5.781	12006590	17465773	5.543	4.857
17) MA 4,4'-DDT	7.023	6.031	13292713	19335325	5.589	4.795
18) B Endrin al...	6.924	6.108	12931122	18117904	6.126	5.384
19) B Endosulfa...	7.158	6.330	14569704	20835311	5.991	5.115
20) A Methoxychlor	7.500	6.607	6518266	10878189	5.445	5.129
21) B Endrin ke...	7.643	6.835	15012445	24031400	5.679	5.003m
22) Mirex	8.116	7.015	12387768	20631086	5.995	5.436

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:29
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

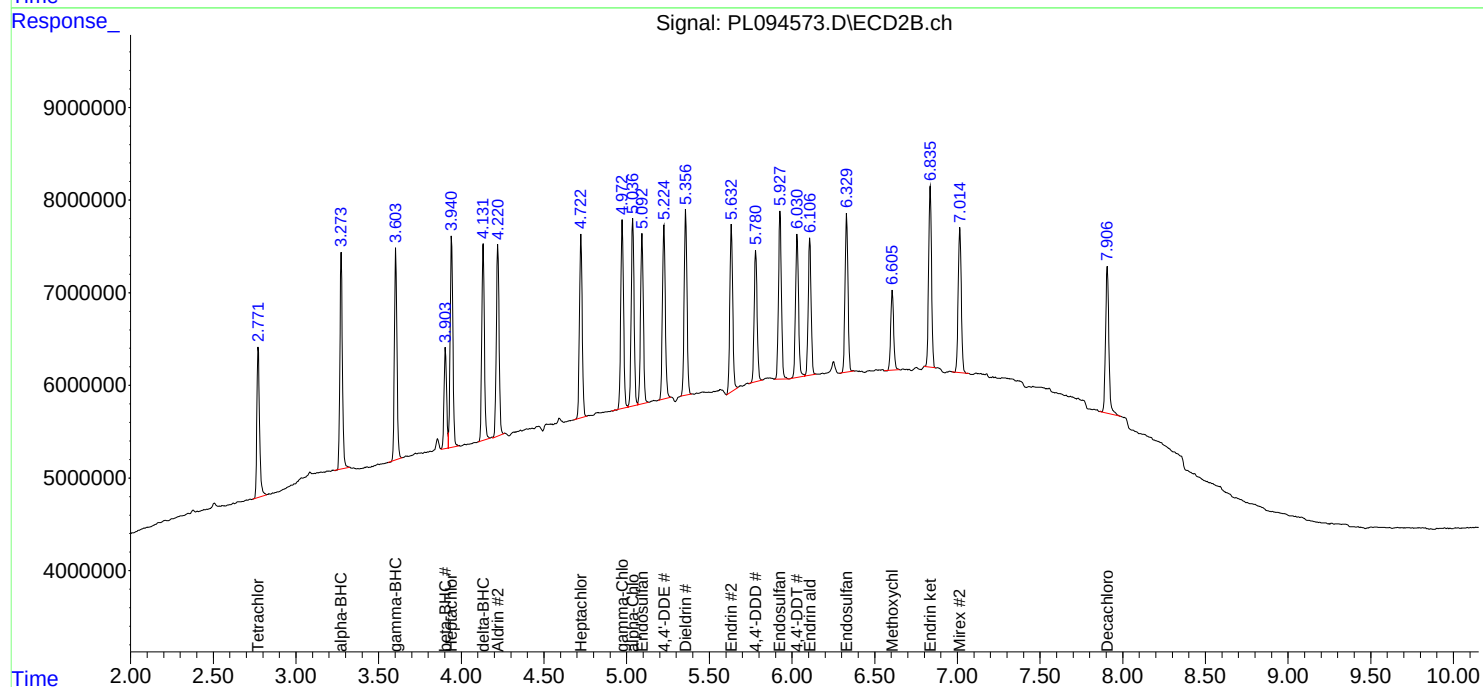
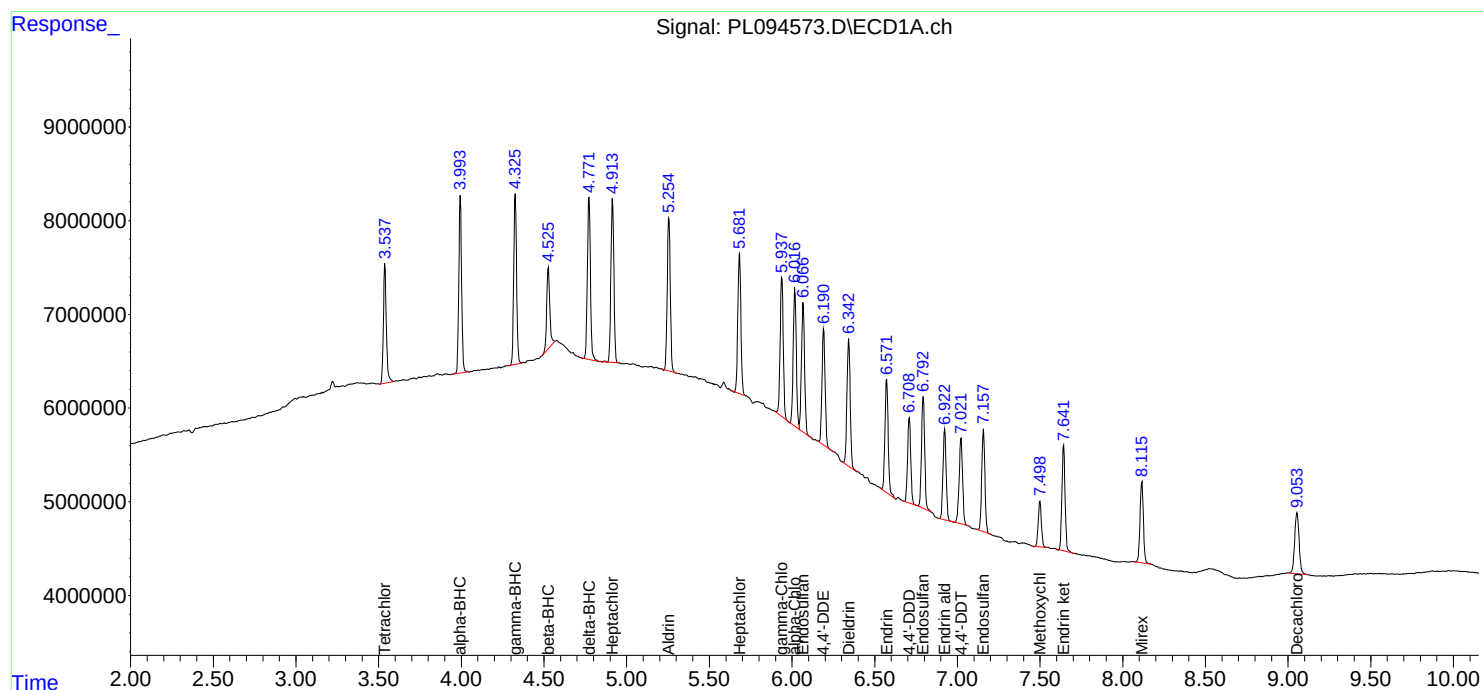
APPROVED

Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time : Mar 11 17:30:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 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\PL031125\
 Data File : PL094576.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 12:10
 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: Mar 11 17:01:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:00:41 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	137.6E6	217.7E6	50.000	50.000
28) SA Decachlor...	9.056	7.907	102.8E6	202.5E6	50.000	50.000
Target Compounds						
23) Chlordane-1	4.700	3.768	67315229	74220750	500.000	500.000
24) Chlordane-2	5.229	4.345	72325929	87338022	500.000	500.000
25) Chlordane-3	5.940	4.974	232.4E6	261.3E6	500.000	500.000
26) Chlordane-4	6.022	5.037	273.9E6	257.7E6	500.000	500.000
27) Chlordane-5	6.871	5.933	52243777	93588494	500.000	500.000

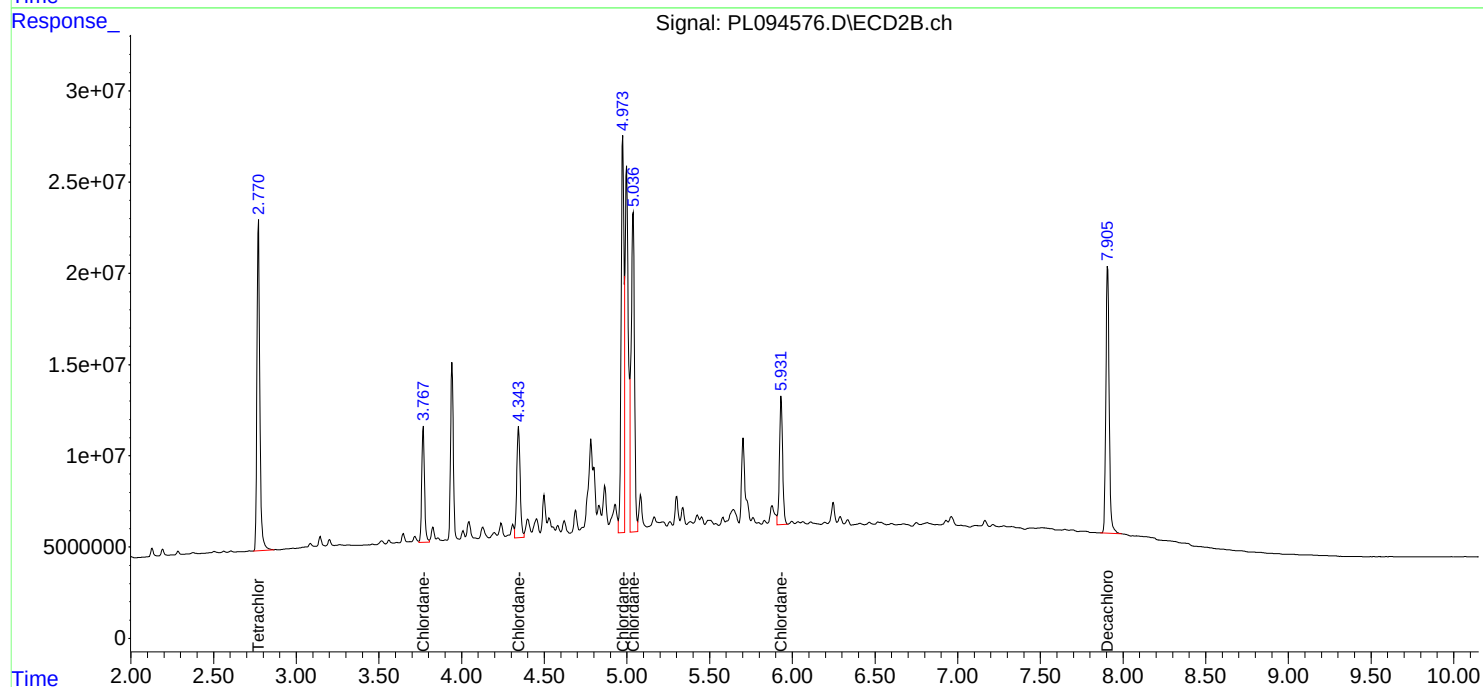
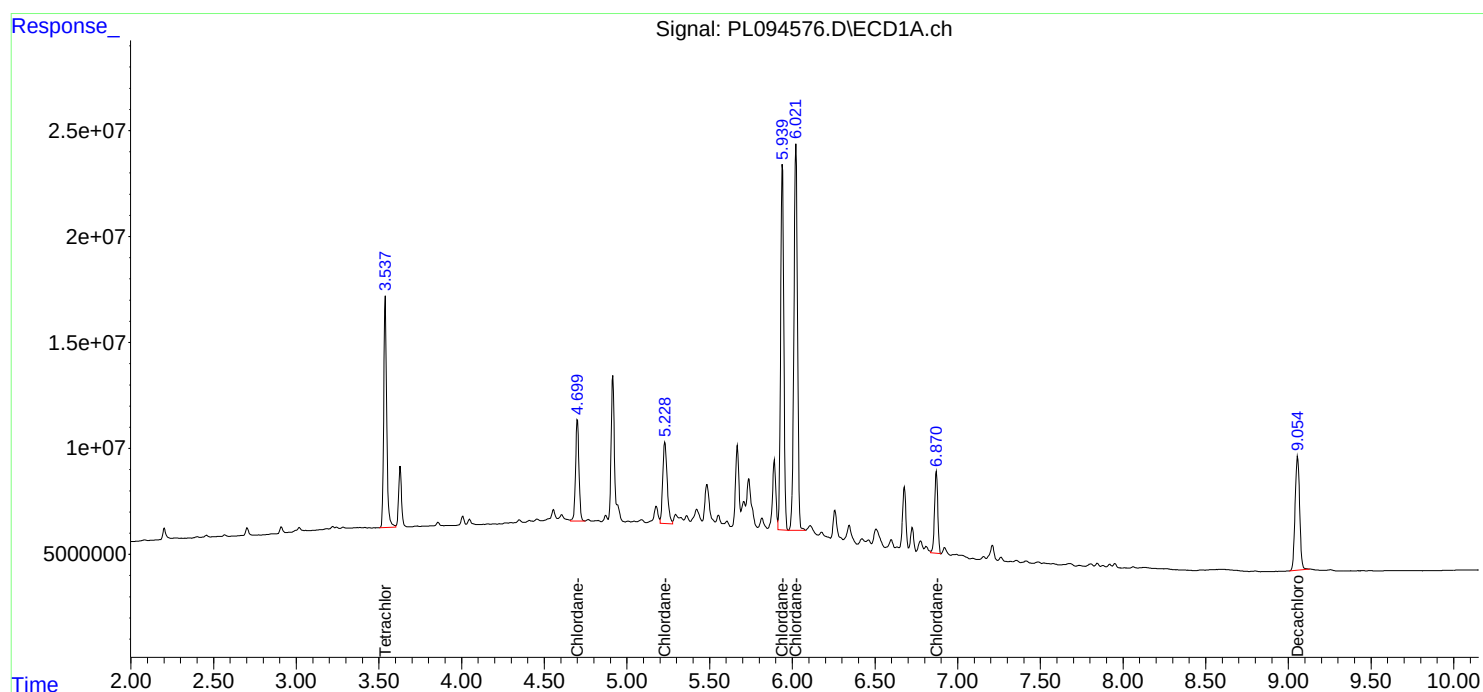
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 12:10
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: Mar 11 17:01:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:00:41 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\PL031125\
 Data File : PL094581.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 13:18
 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: Mar 11 17:48:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:48:02 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...	3.538	2.772	140.3E6	181.5E6	50.000	50.000
7) SA Decachlor...	9.054	7.907	105.5E6	210.3E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.236	4.999	12975869	13010166	500.000	500.000
3) Toxaphene-2	6.441	5.324	8198781	12744567	500.000	500.000
4) Toxaphene-3	7.059	5.682	41015316	14118201	500.000	500.000
5) Toxaphene-4	7.149	6.596	31471621	48270189	500.000	500.000
6) Toxaphene-5	7.934	7.038	22520220	46668809	500.000	500.000

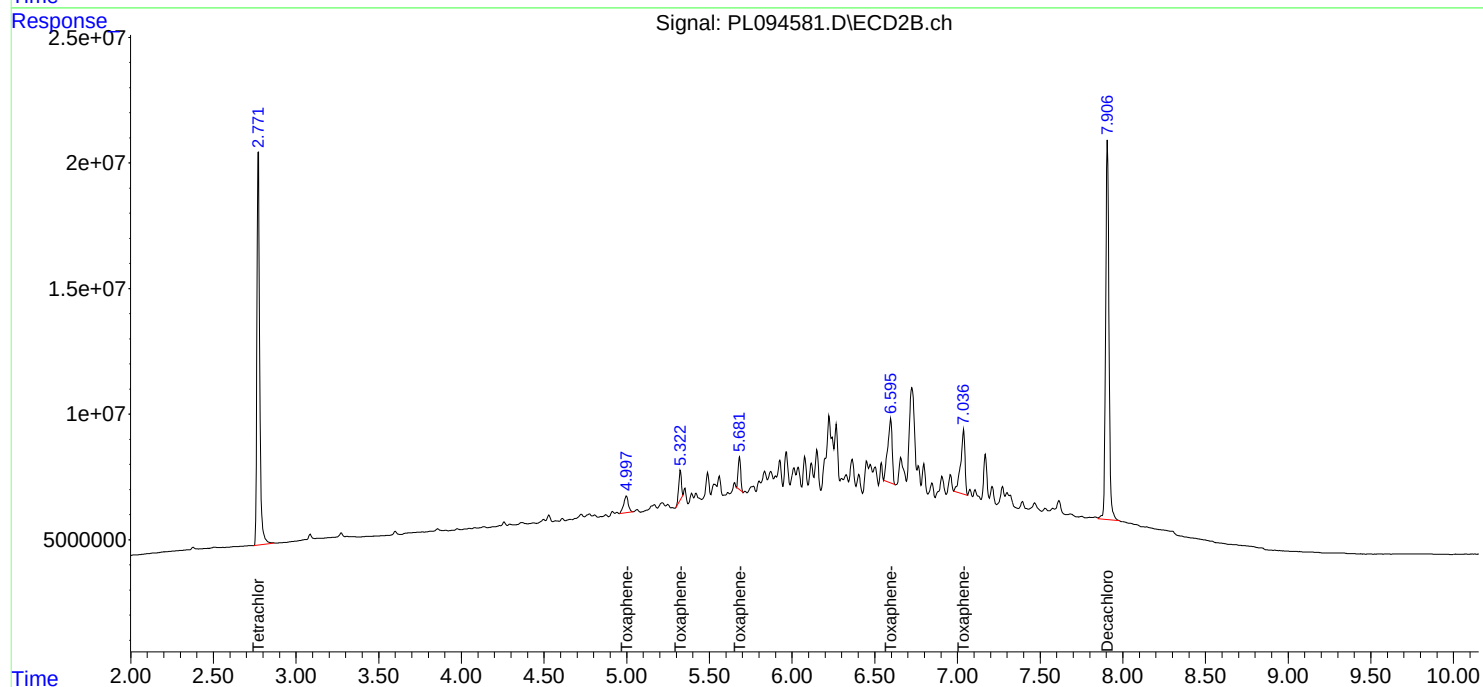
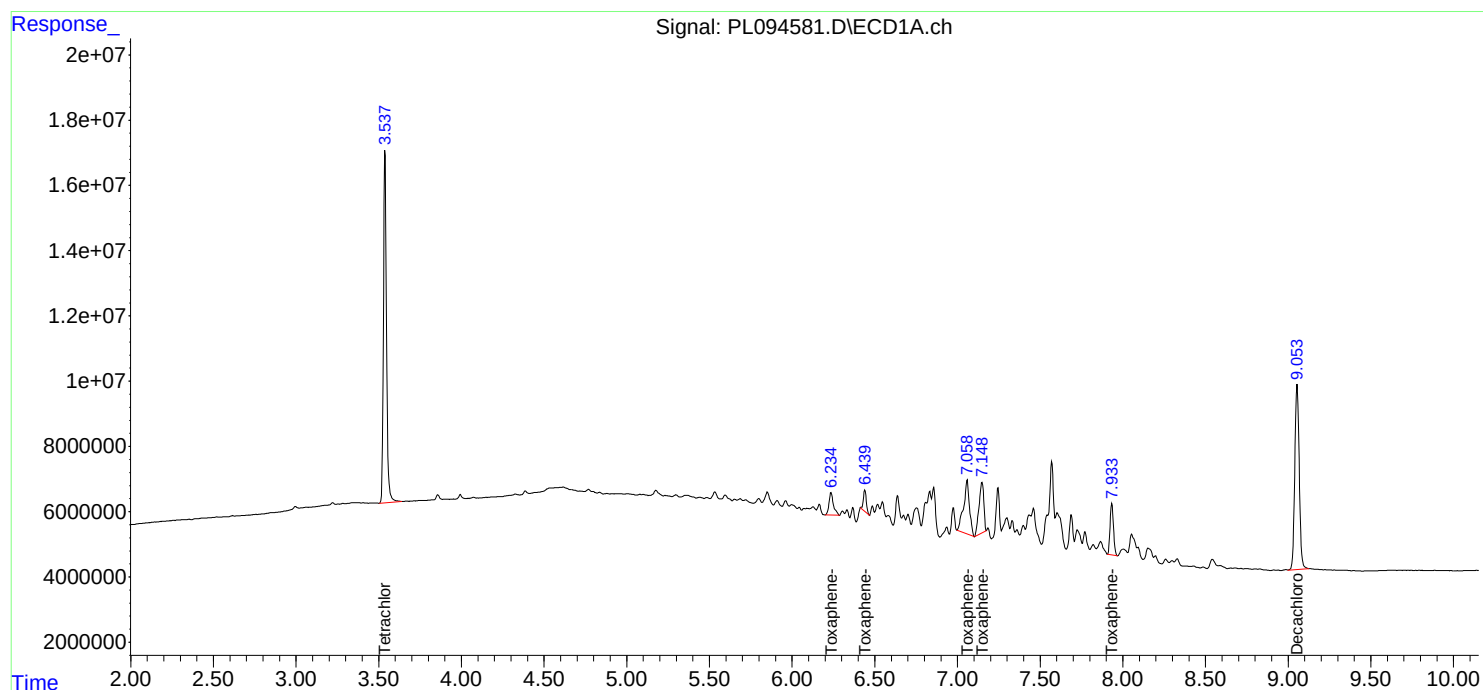
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 13:18
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: Mar 11 17:48:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:48:02 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\PL031125\
 Data File : PL094584.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 13:59
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL031125

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:33:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:31:55 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	2.772	138.6E6	178.7E6	48.948	50.062
28) SA Decachlor...	9.057	7.907	105.1E6	203.8E6	49.892	50.443
Target Compounds						
2) A alpha-BHC	3.994	3.275	204.5E6	276.8E6	49.250	51.333
3) MA gamma-BHC...	4.327	3.604	195.2E6	263.2E6	48.927	51.204
4) MA Heptachlor	4.915	3.943	189.6E6	267.0E6	48.844	50.686
5) MB Aldrin	5.257	4.222	180.2E6	248.9E6	48.800	51.048
6) B beta-BHC	4.526	3.905	89231989	110.8E6	48.359	49.893
7) B delta-BHC	4.773	4.133	189.3E6	256.7E6	48.608	51.319
8) B Heptachlo...	5.684	4.724	162.6E6	232.8E6	48.604	50.850
9) A Endosulfan I	6.069	5.094	150.4E6	223.6E6	48.979	50.952
10) B gamma-Chl...	5.940	4.974	164.1E6	246.2E6	48.699	51.000
11) B alpha-Chl...	6.019	5.038	161.5E6	242.7E6	48.982	50.851
12) B 4,4'-DDE	6.192	5.227	146.3E6	237.2E6	49.725	51.033
13) MA Dieldrin	6.344	5.358	156.1E6	248.7E6	48.823	51.250
14) MA Endrin	6.574	5.634	132.9E6	220.8E6	47.959	50.591
15) B Endosulfa...	6.794	5.929	133.2E6	219.2E6	49.073	50.644
16) A 4,4'-DDD	6.710	5.782	107.9E6	186.0E6	49.828	51.715
17) MA 4,4'-DDT	7.024	6.032	118.3E6	208.0E6	49.731	51.576
18) B Endrin al...	6.924	6.109	102.5E6	169.4E6	48.578	50.322
19) B Endosulfa...	7.160	6.332	118.7E6	208.3E6	48.797	51.131
20) A Methoxychlor	7.501	6.607	59571379	108.1E6	49.764	50.981
21) B Endrin ke...	7.644	6.837	130.9E6	247.7E6	49.539	51.908
22) Mirex	8.117	7.016	100.5E6	191.6E6	48.635	50.470

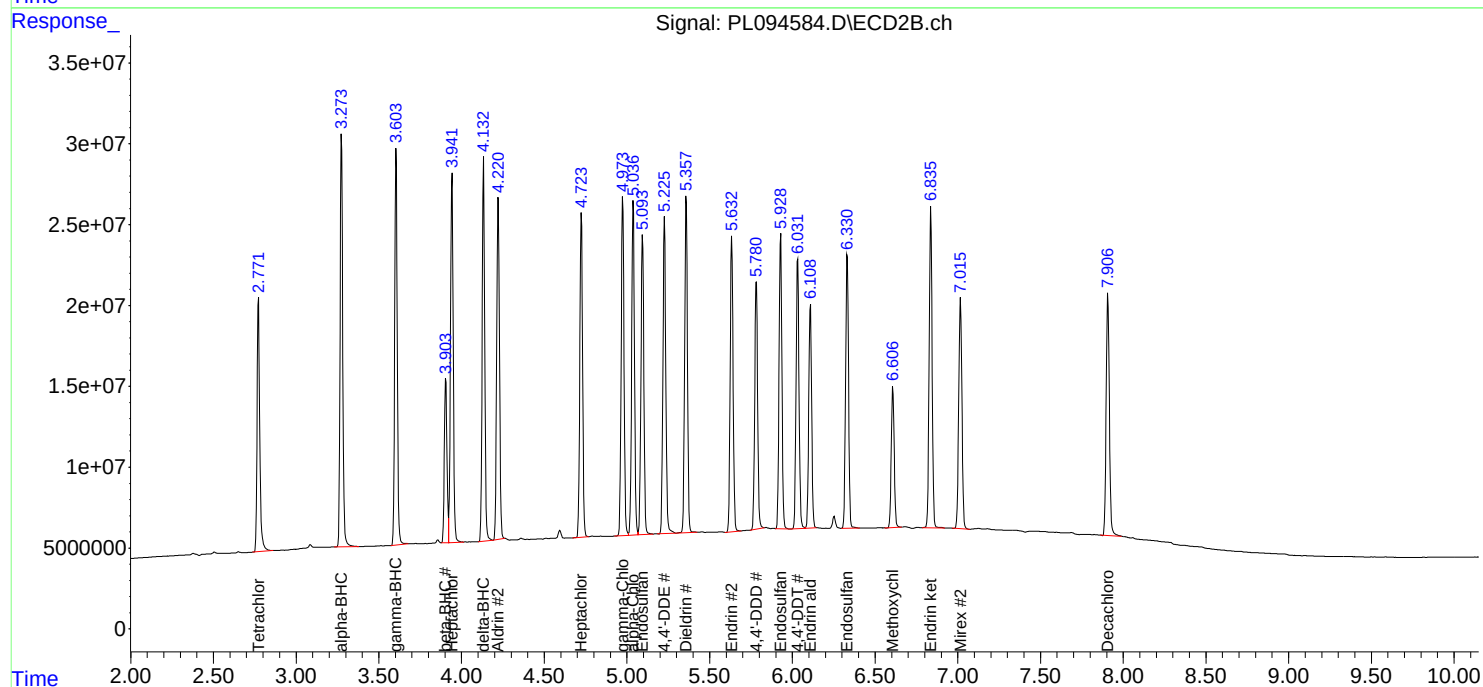
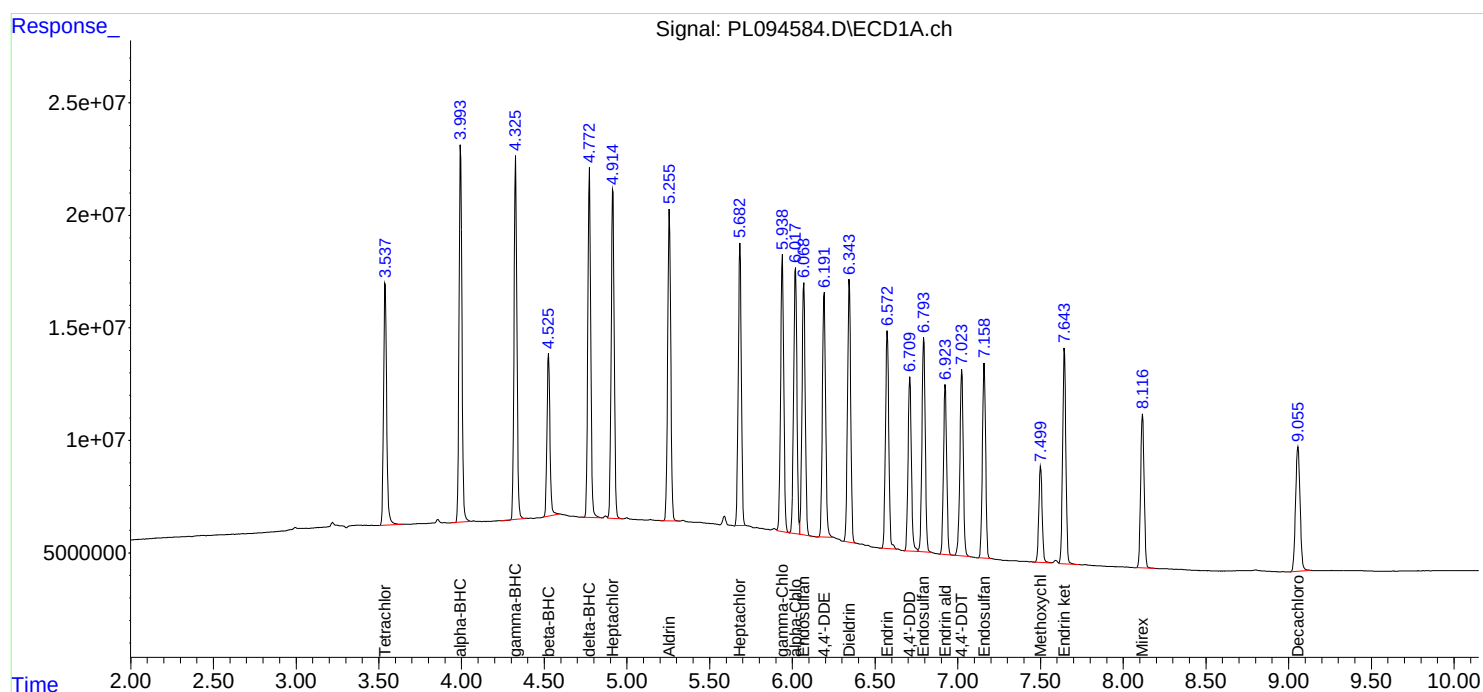
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 13:59
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL031125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:33:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:31:55 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\PL031125\
 Data File : PL094585.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 14:26
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL031125CHLOR

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:12:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:10:19 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	139.1E6	221.7E6	48.146	49.489
28) SA Decachlor...	9.055	7.907	105.2E6	207.7E6	48.832	49.008
Target Compounds						
23) Chlordane-1	4.699	3.768	68904234	72711469	491.755	481.433
24) Chlordane-2	5.230	4.345	74749072	87432125	494.028	495.121
25) Chlordane-3	5.940	4.975	236.2E6	267.0E6	472.667	501.955
26) Chlordane-4	6.021	5.037	278.4E6	264.5E6	472.562	508.040
27) Chlordane-5	6.871	5.933	54088529	95131402	492.515	495.899

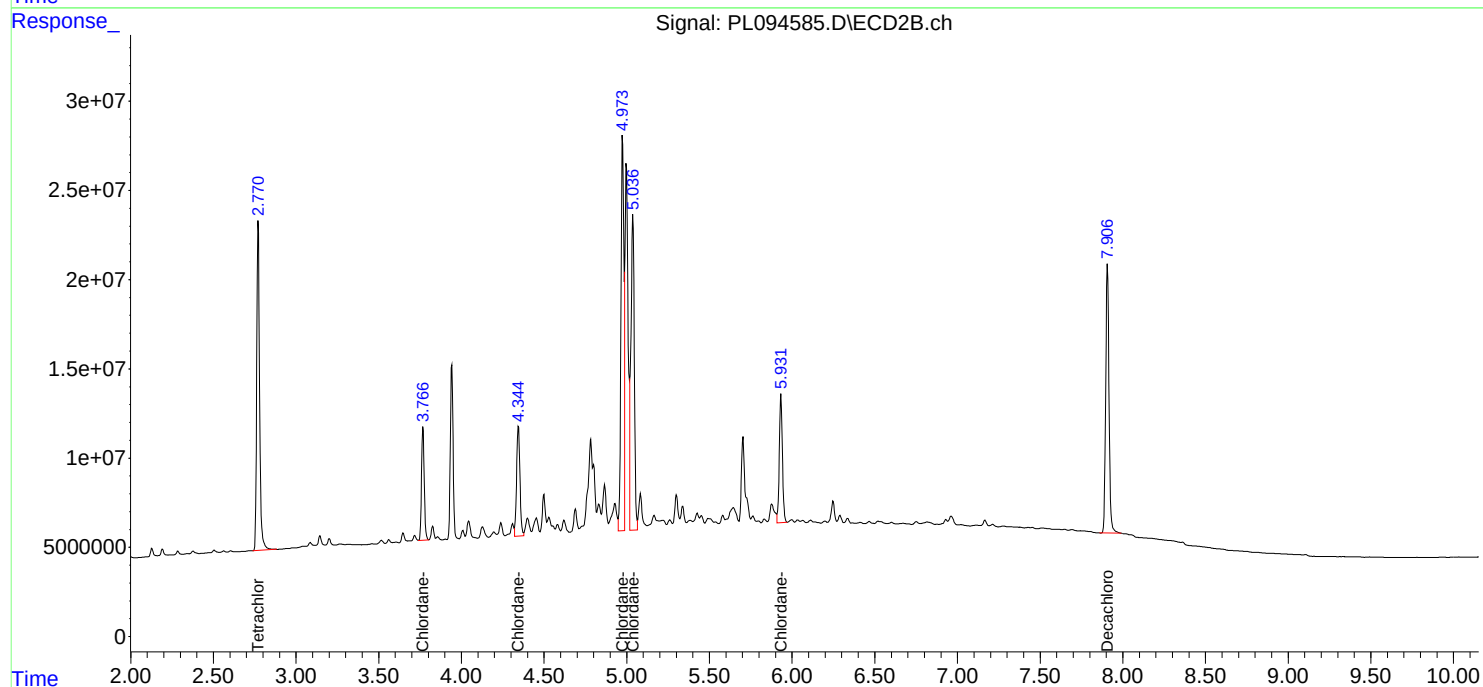
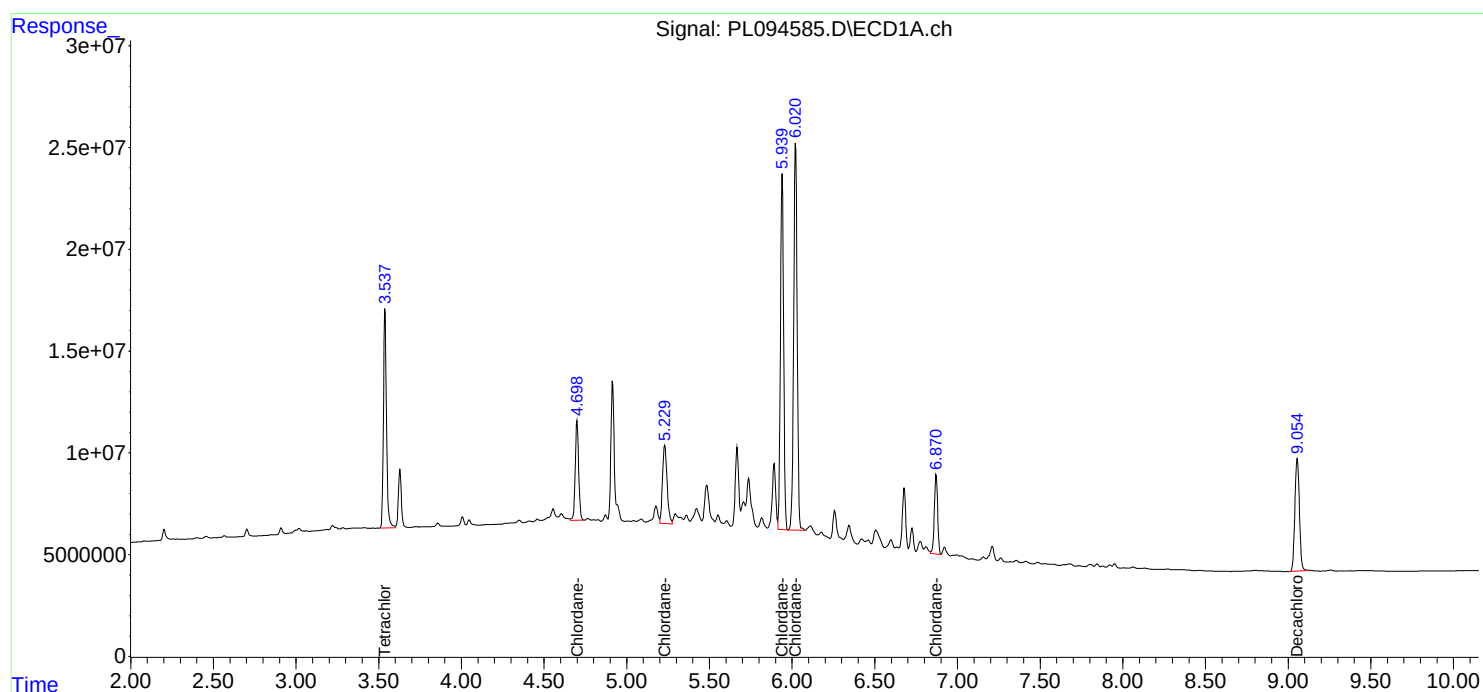
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094585.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 14:26
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL031125CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:12:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:10:19 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094586.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 14:53
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL031125TOX

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 12 01:29:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:54:32 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...	3.539	2.772	142.4E6	185.3E6	49.695	50.638
7) SA Decachlor...	9.056	7.907	107.3E6	215.3E6	49.786	51.130
Target Compounds						
2) Toxaphene-1	6.237	4.998	12932398	13192637	498.451	489.997
3) Toxaphene-2	6.440	5.324	8497655	12782684	518.989	492.418
4) Toxaphene-3	7.059	5.682	43111651	14208462	515.776	508.385
5) Toxaphene-4	7.150	6.597	31431408	49583590	496.022	512.426
6) Toxaphene-5	7.934	7.038	22999107	46764979	508.687	508.805

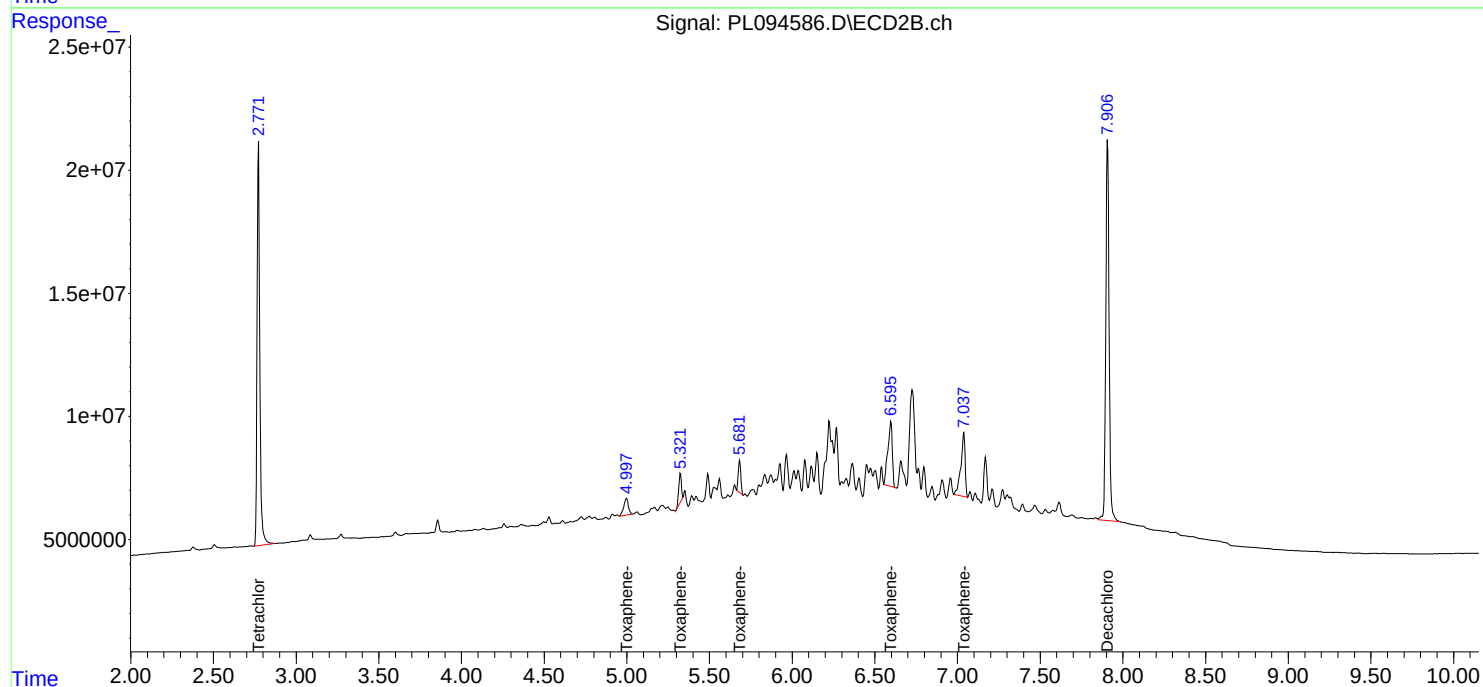
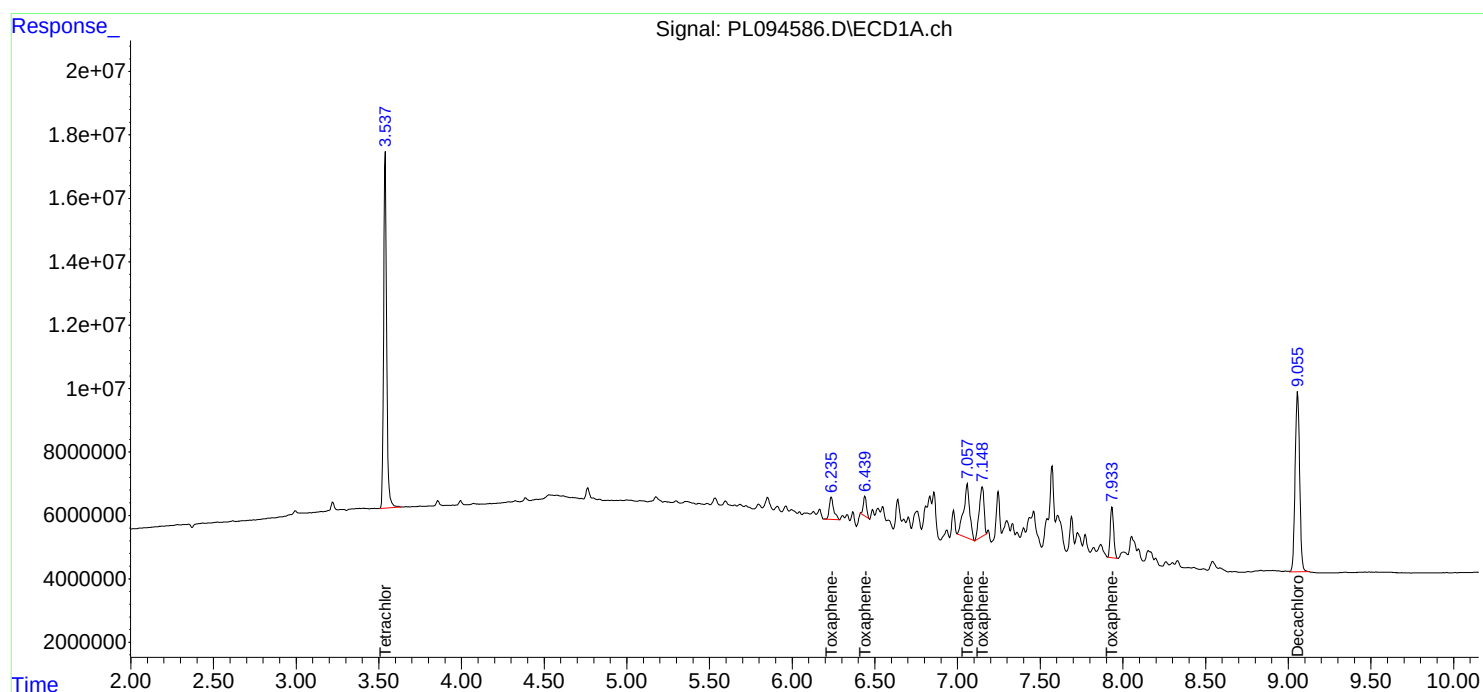
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 14:53
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL031125TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:29:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:54:32 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: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Continuing Calib Date: 03/12/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 15:49 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.91	4.92	4.82	5.02	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Continuing Calib Date: 03/12/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 15:49 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	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
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01



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CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q1488 **SAS No.:** Q1488 **SDG NO.:** Q1488
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025
Client Sample No.: CCAL01 **Date Analyzed:** 03/12/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL094640.D **Time Analyzed:** 15:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.053	8.956	9.156	51.250	50.000	2.5
Endrin	6.571	6.474	6.674	45.720	50.000	-8.6
gamma-BHC (Lindane)	4.326	4.227	4.427	48.680	50.000	-2.6
Heptachlor	4.913	4.815	5.015	47.570	50.000	-4.9
Heptachlor epoxide	5.682	5.583	5.783	48.580	50.000	-2.8
Methoxychlor	7.499	7.400	7.600	49.660	50.000	-0.7
Tetrachloro-m-xylene	3.537	3.438	3.638	49.080	50.000	-1.8



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CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q1488 **SAS No.:** Q1488 **SDG NO.:** Q1488
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025
Client Sample No.: CCAL01 **Date Analyzed:** 03/12/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL094640.D **Time Analyzed:** 15:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.904	7.807	8.007	53.140	50.000	6.3
Endrin	5.631	5.534	5.734	50.500	50.000	1.0
gamma-BHC (Lindane)	3.603	3.504	3.704	52.540	50.000	5.1
Heptachlor	3.940	3.842	4.042	50.950	50.000	1.9
Heptachlor epoxide	4.722	4.625	4.825	51.880	50.000	3.8
Methoxychlor	6.604	6.507	6.707	50.260	50.000	0.5
Tetrachloro-m-xylene	2.771	2.672	2.872	51.710	50.000	3.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094640.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 15:49
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 03/13/2025

Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:34:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	138.9E6	184.6E6	49.079	51.707
28)	SA Decachlor...	9.053	7.904	108.0E6	214.7E6	51.252	53.143
Target Compounds							
2)	A alpha-BHC	3.993	3.273	203.1E6	283.8E6	48.920	52.639
3)	MA gamma-BHC...	4.326	3.603	194.2E6	270.0E6	48.680	52.543
4)	MA Heptachlor	4.913	3.940	184.7E6	268.4E6	47.572	50.946
5)	MB Aldrin	5.255	4.219	179.0E6	255.1E6	48.473	52.307
6)	B beta-BHC	4.524	3.903	87177853	116.0E6	47.245	52.236
7)	B delta-BHC	4.771	4.131	186.5E6	265.4E6	47.901	53.068
8)	B Heptachlo...	5.682	4.722	162.5E6	237.5E6	48.578	51.877
9)	A Endosulfan I	6.067	5.091	148.6E6	210.1E6	48.385	47.873
10)	B gamma-Chl...	5.938	4.972	163.6E6	251.4E6	48.556	52.064
11)	B alpha-Chl...	6.016	5.035	159.8E6	246.7E6	48.485	51.696
12)	B 4,4'-DDE	6.191	5.223	148.0E6	243.6E6	50.298	52.406m
13)	MA Dieldrin	6.342	5.354	154.7E6	250.9E6	48.387	51.719m
14)	MA Endrin	6.571	5.631	126.7E6	220.4E6	45.717m	50.501
15)	B Endosulfa...	6.792	5.926	130.8E6	223.3E6	48.189	51.588
16)	A 4,4'-DDD	6.708	5.779	112.6E6	198.0E6	52.004	55.062
17)	MA 4,4'-DDT	7.021	6.029	113.4E6	201.5E6	47.667	49.984
18)	B Endrin al...	6.922	6.106	101.2E6	167.7E6	47.920	49.843
19)	B Endosulfa...	7.157	6.328	118.8E6	211.7E6	48.867	51.965
20)	A Methoxychlor	7.499	6.604	59449549	106.6E6	49.662	50.261
21)	B Endrin ke...	7.642	6.833	131.8E6	254.2E6	49.875	53.268
22)	Mirex	8.114	7.013	101.3E6	191.1E6	49.010	50.359

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094640.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 15:49
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

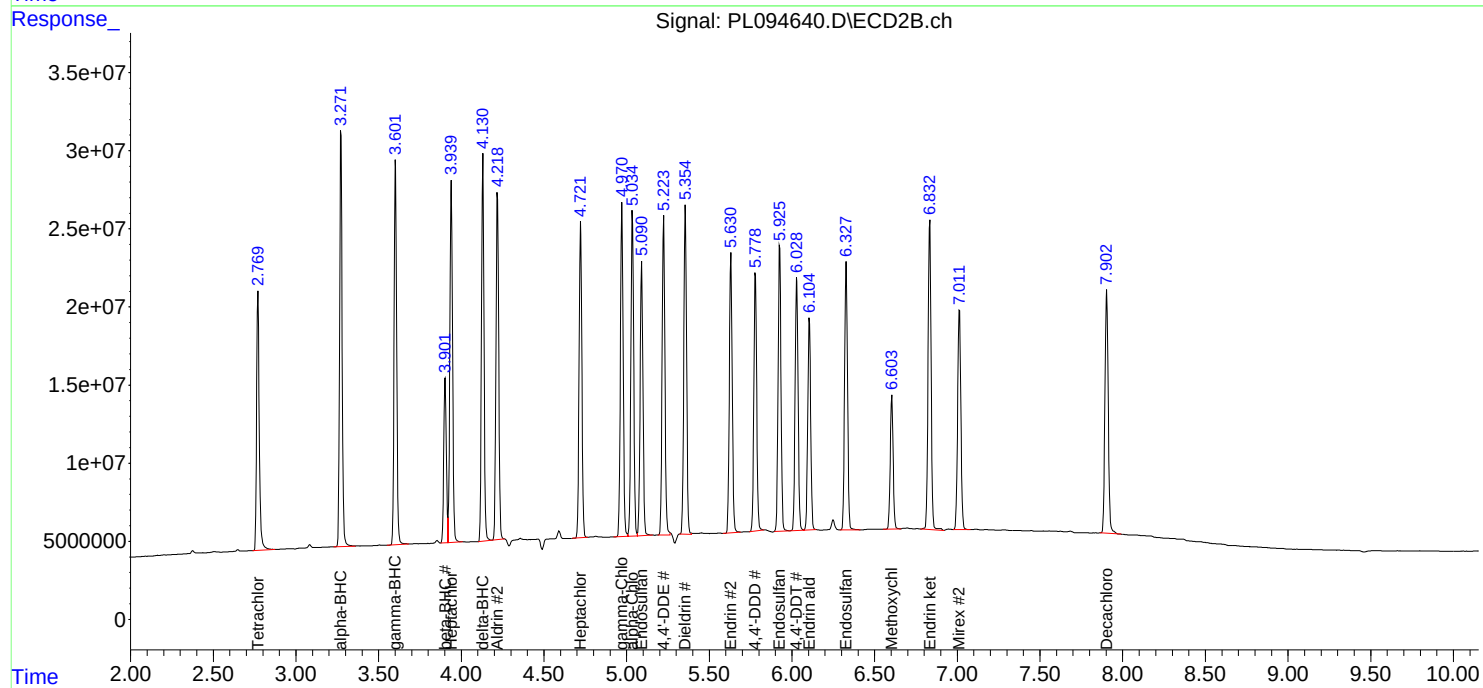
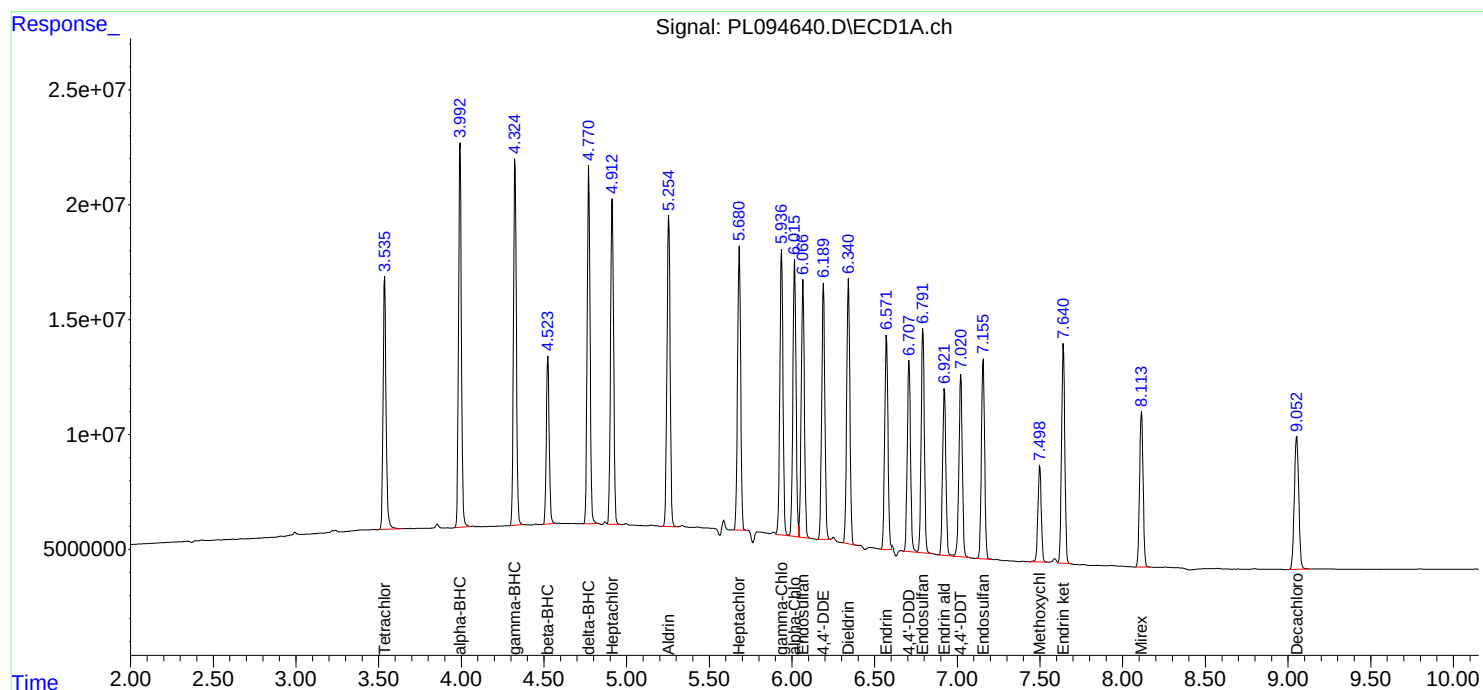
APPROVED

Reviewed By :Abdul Mirza 03/13/2025

Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:34:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Continuing Calib Date: 03/12/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 19:38 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Continuing Calib Date: 03/12/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 19:38 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	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
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL02 Date Analyzed: 03/12/2025

Lab Sample No.: PSTDCCC050 Data File : PL094653.D Time Analyzed: 19:38

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.050	8.956	9.156	57.460	50.000	14.9
Endrin	6.570	6.474	6.674	46.520	50.000	-7.0
gamma-BHC (Lindane)	4.325	4.227	4.427	51.810	50.000	3.6
Heptachlor	4.912	4.815	5.015	48.640	50.000	-2.7
Heptachlor epoxide	5.681	5.583	5.783	50.640	50.000	1.3
Methoxychlor	7.497	7.400	7.600	50.870	50.000	1.7
Tetrachloro-m-xylene	3.537	3.438	3.638	52.660	50.000	5.3



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CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q1488 **SAS No.:** Q1488 **SDG NO.:** Q1488
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025
Client Sample No.: CCAL02 **Date Analyzed:** 03/12/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL094653.D **Time Analyzed:** 19:38

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.903	7.807	8.007	56.290	50.000	12.6
Endrin	5.631	5.534	5.734	51.880	50.000	3.8
gamma-BHC (Lindane)	3.602	3.504	3.704	55.610	50.000	11.2
Heptachlor	3.940	3.842	4.042	52.170	50.000	4.3
Heptachlor epoxide	4.721	4.625	4.825	54.580	50.000	9.2
Methoxychlor	6.604	6.507	6.707	50.690	50.000	1.4
Tetrachloro-m-xylene	2.771	2.672	2.872	55.740	50.000	11.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094653.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 19:38
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 03/13/2025

Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:36:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	149.1E6	199.0E6	52.657	55.745
28)	SA Decachlor...	9.050	7.903	121.1E6	227.4E6	57.460	56.286
Target Compounds							
2)	A alpha-BHC	3.992	3.273	217.2E6	302.2E6	52.297	56.047
3)	MA gamma-BHC...	4.325	3.602	206.7E6	285.8E6	51.810	55.614
4)	MA Heptachlor	4.912	3.940	188.8E6	274.9E6	48.644	52.168
5)	MB Aldrin	5.254	4.219	184.8E6	268.6E6	50.063	55.084
6)	B beta-BHC	4.523	3.902	93831456	125.2E6	50.851	56.345
7)	B delta-BHC	4.771	4.131	205.3E6	288.5E6	52.723	57.679
8)	B Heptachlo...	5.681	4.721	169.4E6	249.9E6	50.636	54.583
9)	A Endosulfan I	6.066	5.091	155.2E6	208.3E6	50.548	47.456
10)	B gamma-Chl...	5.936	4.971	170.5E6	265.5E6	50.612	54.993
11)	B alpha-Chl...	6.015	5.035	167.3E6	259.5E6	50.756	54.377
12)	B 4,4'-DDE	6.189	5.222	158.0E6	260.5E6	53.712	56.034m
13)	MA Dieldrin	6.341	5.353	163.6E6	265.0E6	51.162	54.619m
14)	MA Endrin	6.570	5.631	129.0E6	226.4E6	46.518m	51.882
15)	B Endosulfa...	6.791	5.926	142.8E6	238.7E6	52.603	55.158
16)	A 4,4'-DDD	6.707	5.779	128.1E6	220.2E6	59.136	61.234
17)	MA 4,4'-DDT	7.020	6.028	119.1E6	203.0E6	50.060	50.354
18)	B Endrin al...	6.921	6.105	110.2E6	180.1E6	52.216	53.522
19)	B Endosulfa...	7.156	6.328	130.0E6	226.2E6	53.447	55.530
20)	A Methoxychlor	7.497	6.604	60896475	107.5E6	50.871	50.687
21)	B Endrin ke...	7.640	6.833	148.5E6	275.0E6	56.193	57.611
22)	Mirex	8.113	7.012	110.0E6	204.2E6	53.226	53.796

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094653.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 19:38
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

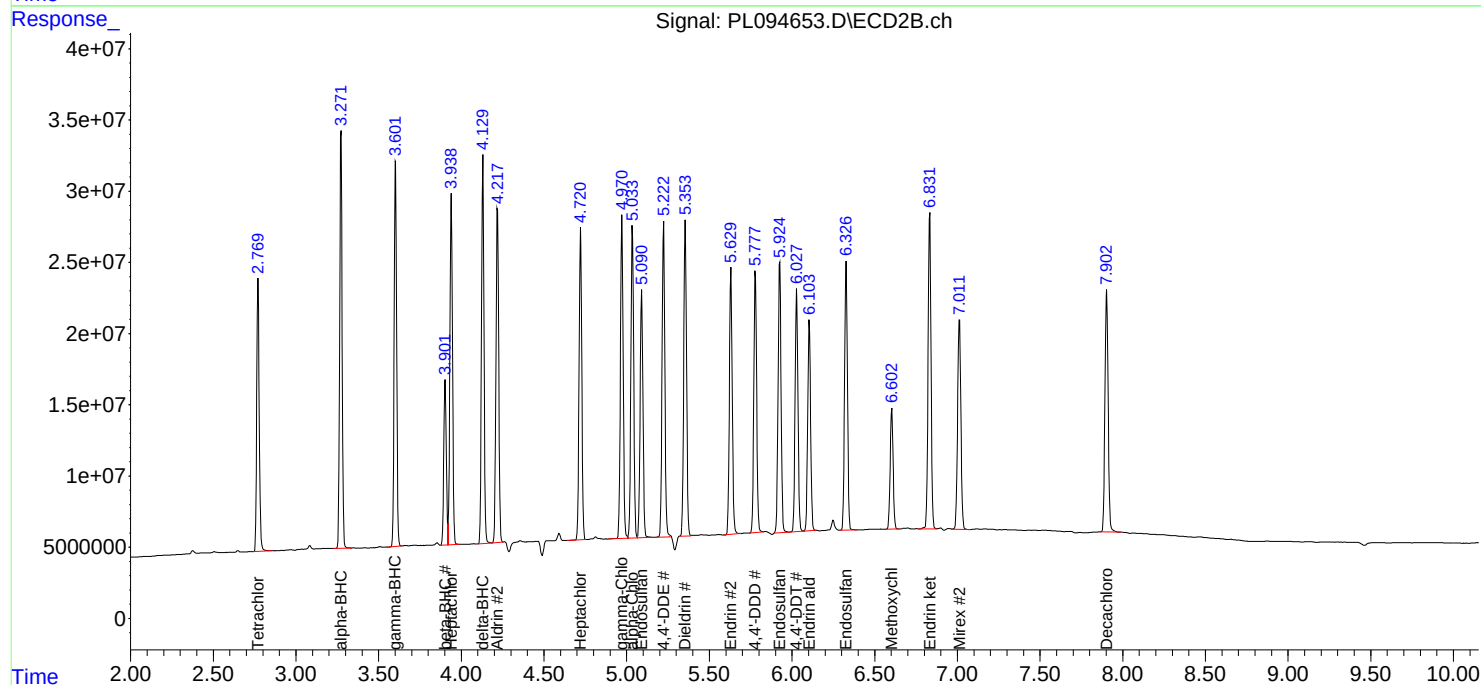
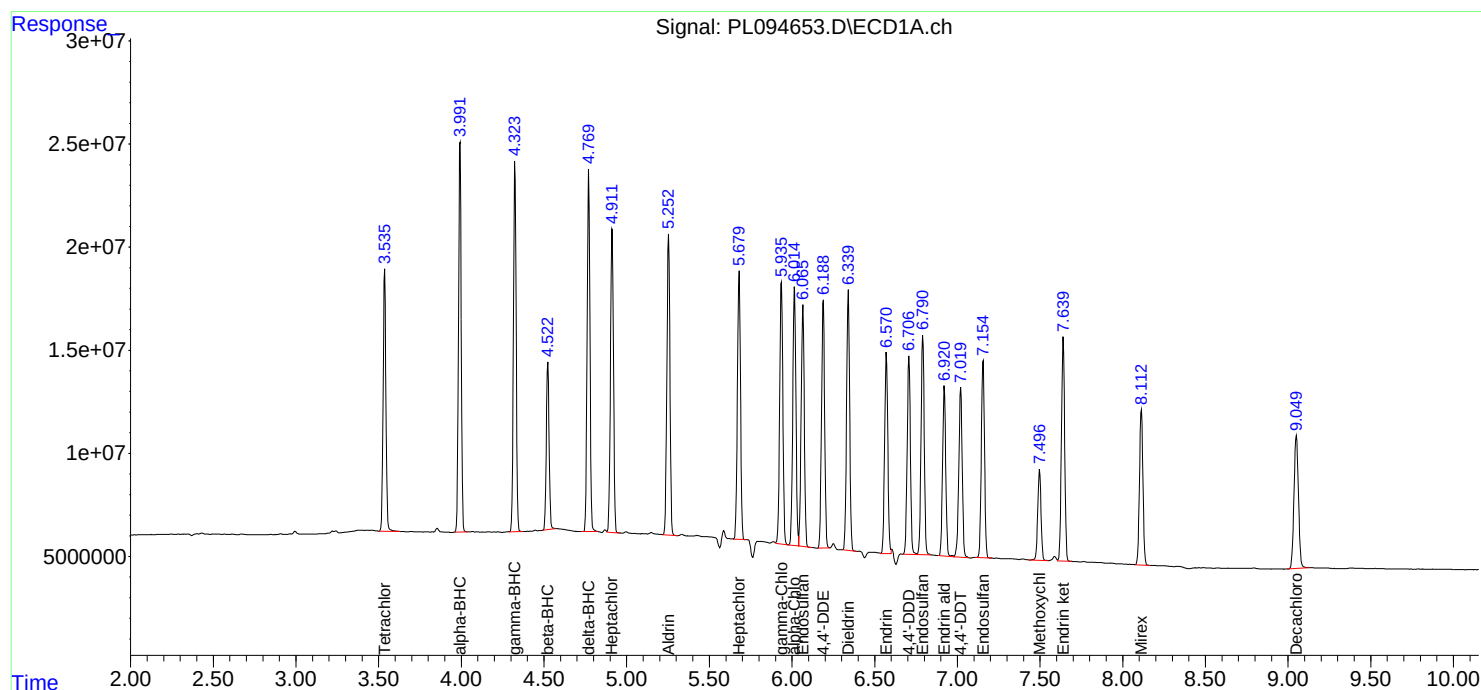
APPROVED

Reviewed By :Abdul Mirza 03/13/2025

Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:36:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Continuing Calib Date: 03/12/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 22:22 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Continuing Calib Date: 03/12/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 22:22 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	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
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01



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

CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q1488 **SAS No.:** Q1488 **SDG NO.:** Q1488
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025
Client Sample No.: CCAL03 **Date Analyzed:** 03/12/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL094664.D **Time Analyzed:** 22:22

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.050	8.956	9.156	57.790	50.000	15.6
Endrin	6.570	6.474	6.674	47.710	50.000	-4.6
gamma-BHC (Lindane)	4.325	4.227	4.427	53.770	50.000	7.5
Heptachlor	4.912	4.815	5.015	50.100	50.000	0.2
Heptachlor epoxide	5.680	5.583	5.783	52.710	50.000	5.4
Methoxychlor	7.496	7.400	7.600	52.160	50.000	4.3
Tetrachloro-m-xylene	3.536	3.438	3.638	53.830	50.000	7.7



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL03 Date Analyzed: 03/12/2025

Lab Sample No.: PSTDCCC050 Data File : PL094664.D Time Analyzed: 22:22

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.904	7.807	8.007	57.440	50.000	14.9
Endrin	5.631	5.534	5.734	52.440	50.000	4.9
gamma-BHC (Lindane)	3.603	3.504	3.704	56.730	50.000	13.5
Heptachlor	3.940	3.842	4.042	52.860	50.000	5.7
Heptachlor epoxide	4.722	4.625	4.825	55.720	50.000	11.4
Methoxychlor	6.604	6.507	6.707	50.980	50.000	2.0
Tetrachloro-m-xylene	2.771	2.672	2.872	56.680	50.000	13.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094664.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 22:22
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 03/13/2025

Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:39:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	152.4E6	202.3E6	53.835	56.684
28)	SA Decachlor...	9.050	7.904	121.8E6	232.0E6	57.787	57.442
Target Compounds							
2)	A alpha-BHC	3.992	3.273	224.3E6	308.6E6	54.015	57.248
3)	MA gamma-BHC...	4.325	3.603	214.5E6	291.5E6	53.766	56.726
4)	MA Heptachlor	4.912	3.940	194.5E6	278.5E6	50.103	52.861
5)	MB Aldrin	5.253	4.219	193.0E6	275.0E6	52.276	56.388
6)	B beta-BHC	4.523	3.903	96799304	127.4E6	52.460	57.347
7)	B delta-BHC	4.771	4.131	211.9E6	293.1E6	54.425	58.594
8)	B Heptachlo...	5.680	4.722	176.3E6	255.1E6	52.714	55.724
9)	A Endosulfan I	6.066	5.090	162.3E6	210.2E6	52.870	47.890m
10)	B gamma-Chl...	5.937	4.972	177.9E6	283.7E6	52.793	58.748
11)	B alpha-Chl...	6.016	5.035	174.7E6	279.7E6	52.989	58.610
12)	B 4,4'-DDE	6.189	5.222	165.2E6	267.5E6	56.163	57.553m
13)	MA Dieldrin	6.341	5.354	170.8E6	272.8E6	53.421	56.218m
14)	MA Endrin	6.570	5.631	132.2E6	228.8E6	47.707m	52.443
15)	B Endosulfa...	6.791	5.926	147.8E6	244.9E6	54.427	56.585
16)	A 4,4'-DDD	6.707	5.779	134.2E6	227.6E6	61.943	63.298
17)	MA 4,4'-DDT	7.020	6.028	121.2E6	202.2E6	50.940	50.141
18)	B Endrin al...	6.921	6.105	114.9E6	184.0E6	54.429	54.676
19)	B Endosulfa...	7.155	6.328	135.2E6	230.9E6	55.593	56.692
20)	A Methoxychlor	7.496	6.604	62436906	108.1E6	52.158	50.976
21)	B Endrin ke...	7.641	6.832	155.1E6	284.9E6	58.675	59.694m
22)	Mirex	8.113	7.013	114.2E6	211.3E6	55.276	55.682

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094664.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 22:22
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

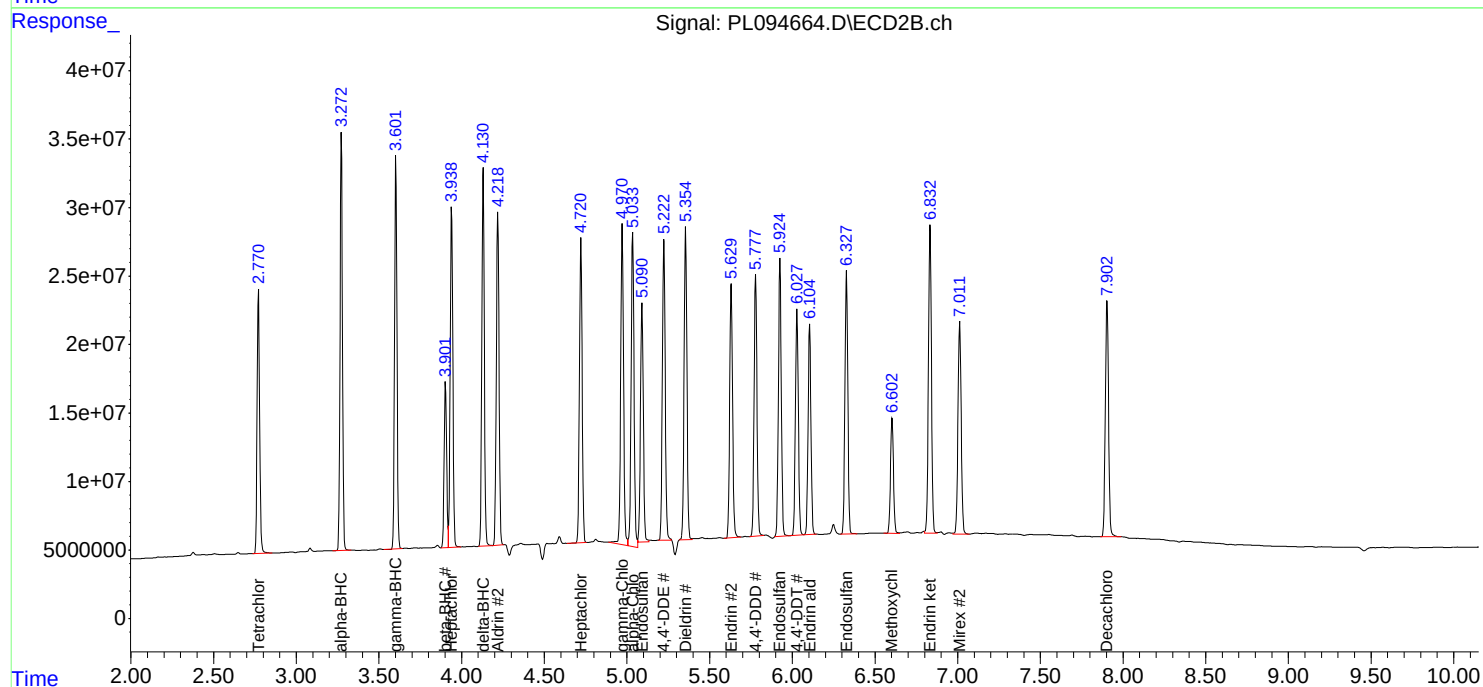
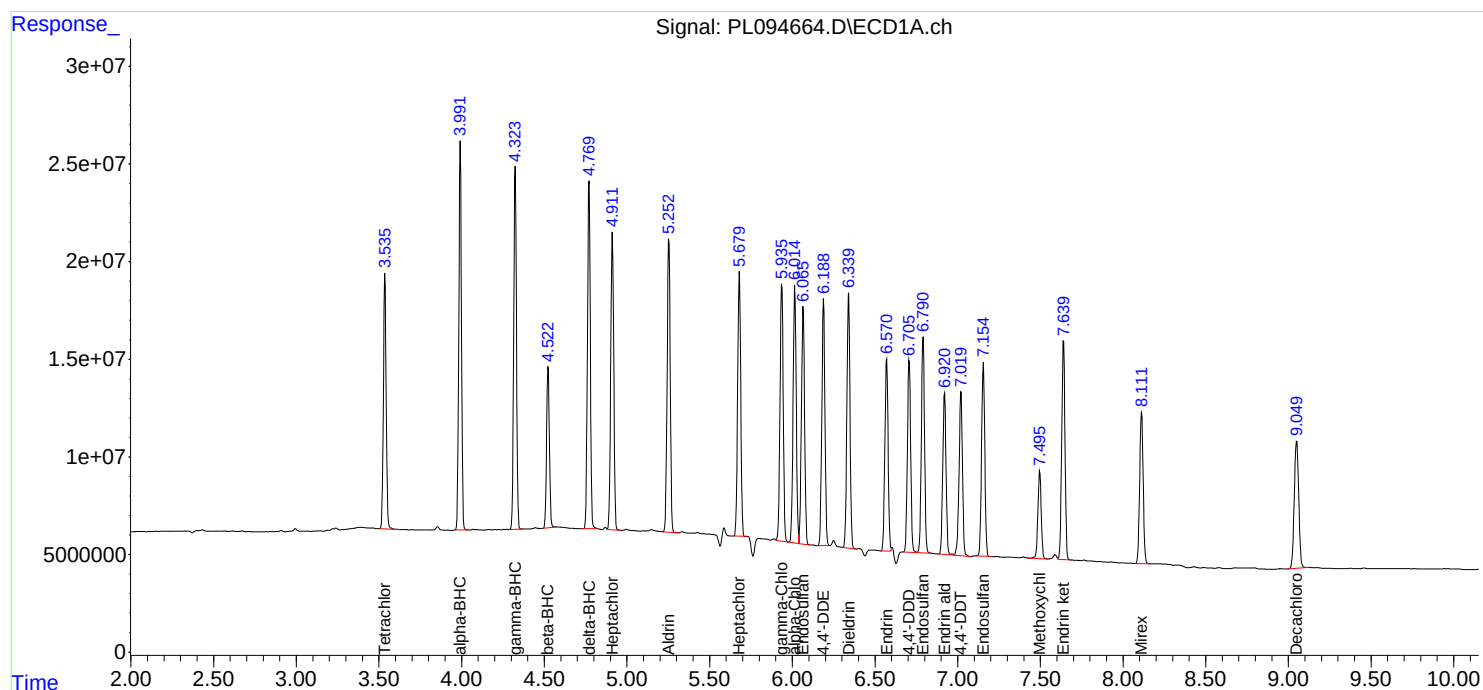
APPROVED

Reviewed By :Abdul Mirza 03/13/2025

Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:39:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Continuing Calib Date: 03/13/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 15:25 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Continuing Calib Date: 03/13/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 15:25 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	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
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL04 Date Analyzed: 03/13/2025

Lab Sample No.: PSTDCCC050 Data File : PL094677.D Time Analyzed: 15:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.051	8.956	9.156	58.110	50.000	16.2
Endrin	6.571	6.474	6.674	52.220	50.000	4.4
gamma-BHC (Lindane)	4.325	4.227	4.427	50.970	50.000	1.9
Heptachlor	4.912	4.815	5.015	49.860	50.000	-0.3
Heptachlor epoxide	5.680	5.583	5.783	50.170	50.000	0.3
Methoxychlor	7.497	7.400	7.600	59.780	50.000	19.6
Tetrachloro-m-xylene	3.536	3.438	3.638	50.700	50.000	1.4



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CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q1488 **SAS No.:** Q1488 **SDG NO.:** Q1488
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025
Client Sample No.: CCAL04 **Date Analyzed:** 03/13/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL094677.D **Time Analyzed:** 15:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.903	7.807	8.007	56.820	50.000	13.6
Endrin	5.631	5.534	5.734	53.420	50.000	6.8
gamma-BHC (Lindane)	3.602	3.504	3.704	53.970	50.000	7.9
Heptachlor	3.940	3.842	4.042	53.200	50.000	6.4
Heptachlor epoxide	4.721	4.625	4.825	53.810	50.000	7.6
Methoxychlor	6.604	6.507	6.707	59.420	50.000	18.8
Tetrachloro-m-xylene	2.770	2.672	2.872	53.610	50.000	7.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
 Data File : PL094677.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Mar 2025 15:25
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/14/2025
 Supervised By :mohammad ahmed 03/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 15:39:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	143.5E6	191.4E6	50.699	53.613
28)	SA Decachlor...	9.051	7.903	122.5E6	229.5E6	58.106	56.816
Target Compounds							
2)	A alpha-BHC	3.992	3.272	211.0E6	292.5E6	50.806	54.262
3)	MA gamma-BHC...	4.325	3.602	203.4E6	277.4E6	50.967	53.967
4)	MA Heptachlor	4.912	3.940	193.5E6	280.3E6	49.863	53.196
5)	MB Aldrin	5.254	4.219	182.7E6	262.8E6	49.473	53.887
6)	B beta-BHC	4.523	3.902	92605730	120.7E6	50.187	54.326
7)	B delta-BHC	4.770	4.130	202.5E6	278.9E6	52.002	55.767
8)	B Heptachlo...	5.680	4.721	167.8E6	246.4E6	50.169	53.812
9)	A Endosulfan I	6.066	5.091	155.4E6	233.4E6	50.622	53.184
10)	B gamma-Chl...	5.936	4.971	170.0E6	260.0E6	50.456	53.845
11)	B alpha-Chl...	6.016	5.035	167.3E6	256.3E6	50.740	53.697
12)	B 4,4'-DDE	6.190	5.224	162.1E6	263.5E6	55.086	56.674
13)	MA Dieldrin	6.341	5.355	163.5E6	265.8E6	51.126	54.794
14)	MA Endrin	6.571	5.631	144.7E6	233.1E6	52.215	53.415
15)	B Endosulfa...	6.791	5.926	141.9E6	235.1E6	52.274	54.306
16)	A 4,4'-DDD	6.707	5.779	123.0E6	208.9E6	56.781	58.105
17)	MA 4,4'-DDT	7.021	6.029	135.5E6	234.8E6	56.973	58.244
18)	B Endrin al...	6.921	6.105	110.3E6	179.9E6	52.264	53.460
19)	B Endosulfa...	7.156	6.328	130.3E6	224.6E6	53.587	55.133
20)	A Methoxychlor	7.497	6.604	71555509	126.0E6	59.775	59.418
21)	B Endrin ke...	7.640	6.833	145.3E6	270.4E6	54.970	56.662
22)	Mirex	8.113	7.011	109.8E6	203.4E6	53.127	53.585m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
Data File : PL094677.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Mar 2025 15:25
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

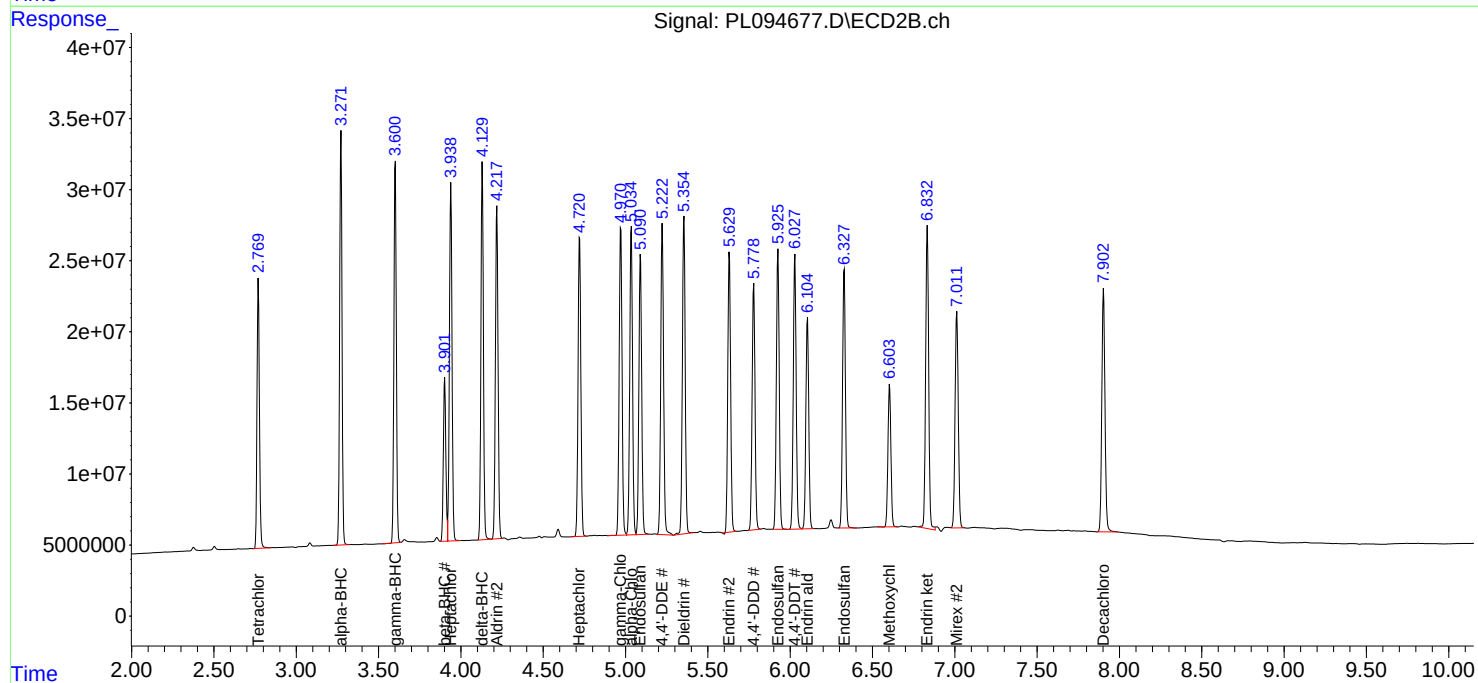
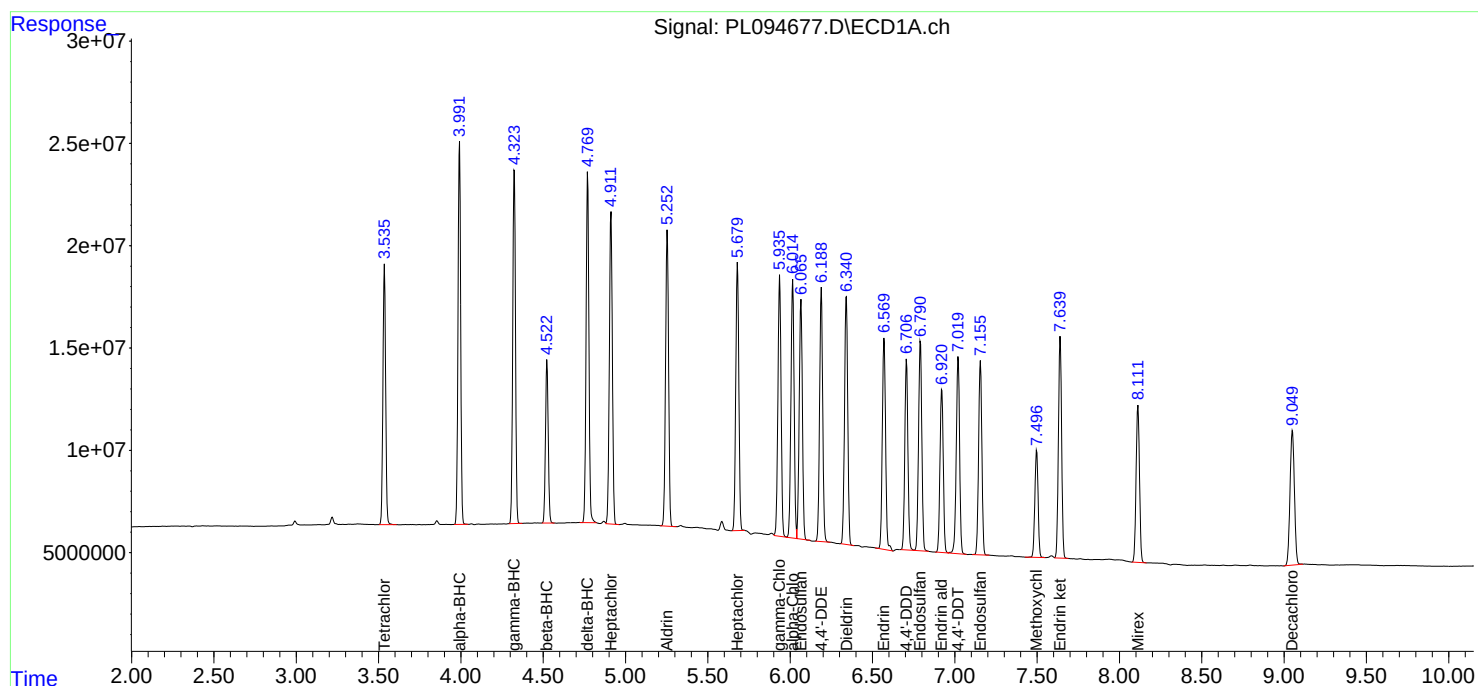
APPROVED

Reviewed By :Yogesh Patel 03/14/2025

Supervised By :mohammad ahmed 03/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 15:39:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Continuing Calib Date: 03/13/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 20:04 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Continuing Calib Date: 03/13/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 20:04 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	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
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01



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CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q1488 **SAS No.:** Q1488 **SDG NO.:** Q1488
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025
Client Sample No.: CCAL05 **Date Analyzed:** 03/13/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL094695.D **Time Analyzed:** 20:04

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.048	8.956	9.156	53.870	50.000	7.7
Endrin	6.568	6.474	6.674	46.050	50.000	-7.9
gamma-BHC (Lindane)	4.324	4.227	4.427	47.020	50.000	-6.0
Heptachlor	4.911	4.815	5.015	45.500	50.000	-9.0
Heptachlor epoxide	5.679	5.583	5.783	45.670	50.000	-8.7
Methoxychlor	7.496	7.400	7.600	54.200	50.000	8.4
Tetrachloro-m-xylene	3.535	3.438	3.638	46.690	50.000	-6.6



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CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q1488 **SAS No.:** Q1488 **SDG NO.:** Q1488
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025
Client Sample No.: CCAL05 **Date Analyzed:** 03/13/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL094695.D **Time Analyzed:** 20:04

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.902	7.807	8.007	51.700	50.000	3.4
Endrin	5.629	5.534	5.734	48.760	50.000	-2.5
gamma-BHC (Lindane)	3.601	3.504	3.704	49.290	50.000	-1.4
Heptachlor	3.939	3.842	4.042	48.060	50.000	-3.9
Heptachlor epoxide	4.720	4.625	4.825	49.010	50.000	-2.0
Methoxychlor	6.602	6.507	6.707	52.890	50.000	5.8
Tetrachloro-m-xylene	2.770	2.672	2.872	49.280	50.000	-1.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
 Data File : PL094695.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Mar 2025 20:04
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 03/14/2025

Supervised By :mohammad ahmed 03/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 14 11:41:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	132.2E6	175.9E6	46.690	49.275
28)	SA Decachlor...	9.048	7.902	113.5E6	208.8E6	53.868	51.697
Target Compounds							
2)	A alpha-BHC	3.991	3.272	193.9E6	267.4E6	46.689	49.599
3)	MA gamma-BHC...	4.324	3.601	187.6E6	253.3E6	47.023	49.295
4)	MA Heptachlor	4.911	3.939	176.6E6	253.2E6	45.505	48.057
5)	MB Aldrin	5.252	4.218	168.7E6	238.8E6	45.702	48.965
6)	B beta-BHC	4.522	3.901	86759625	111.4E6	47.019	50.157
7)	B delta-BHC	4.769	4.129	190.2E6	255.9E6	48.844	51.164
8)	B Heptachlo...	5.679	4.720	152.8E6	224.4E6	45.670	49.006
9)	A Endosulfan I	6.065	5.090	142.7E6	209.7E6	46.472	47.792
10)	B gamma-Chl...	5.935	4.970	156.3E6	238.0E6	46.381	49.295
11)	B alpha-Chl...	6.014	5.033	153.7E6	233.7E6	46.627	48.964
12)	B 4,4'-DDE	6.188	5.221	148.6E6	237.0E6	50.502	50.992m
13)	MA Dieldrin	6.339	5.352	150.1E6	239.4E6	46.923	49.334m
14)	MA Endrin	6.568	5.629	127.7E6	212.8E6	46.053m	48.756
15)	B Endosulfa...	6.789	5.924	130.4E6	216.0E6	48.035	49.903
16)	A 4,4'-DDD	6.706	5.777	114.2E6	193.0E6	52.733	53.682
17)	MA 4,4'-DDT	7.019	6.027	120.2E6	209.0E6	50.525	51.822
18)	B Endrin al...	6.920	6.103	102.1E6	164.6E6	48.385	48.921
19)	B Endosulfa...	7.154	6.326	119.7E6	204.2E6	49.230	50.131
20)	A Methoxychlor	7.496	6.602	64887009	112.2E6	54.205	52.887
21)	B Endrin ke...	7.639	6.832	135.1E6	240.2E6	51.106	50.330
22)	Mirex	8.111	7.011	101.5E6	186.6E6	49.126	49.177

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
Data File : PL094695.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Mar 2025 20:04
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

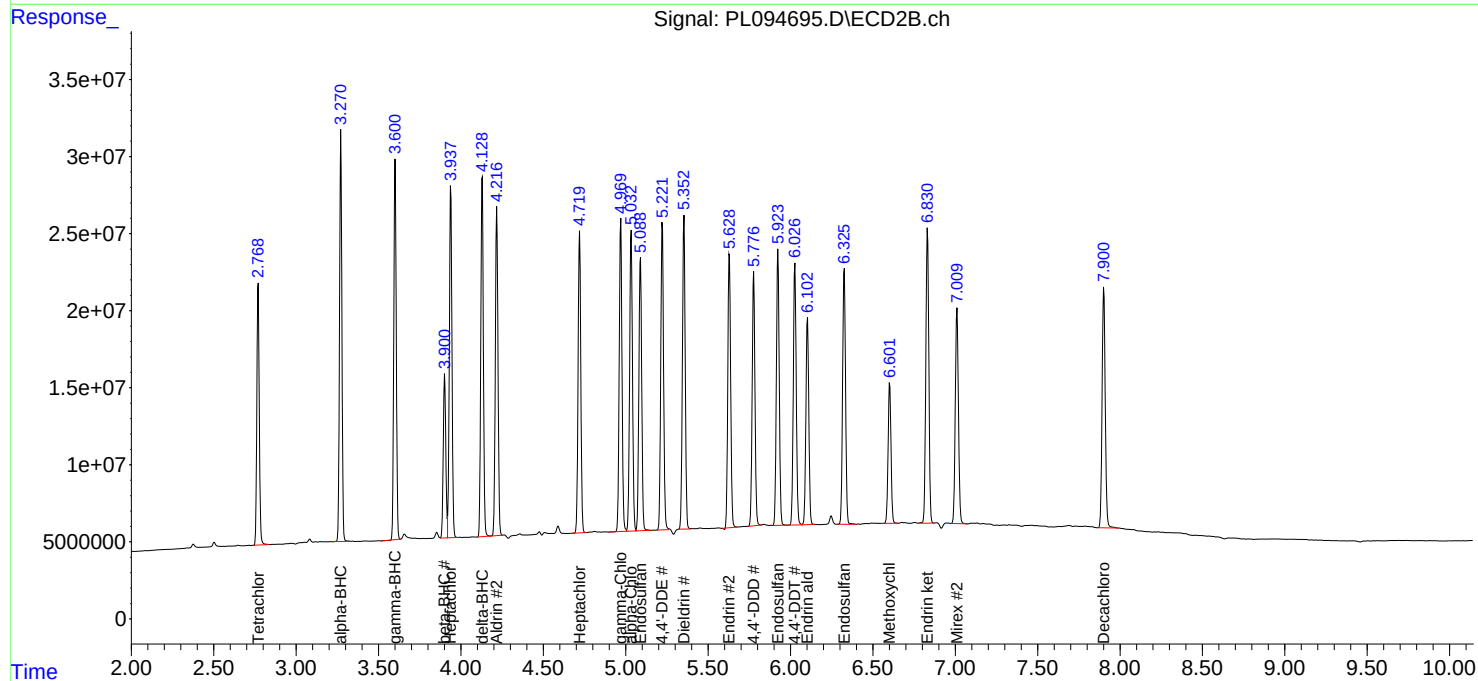
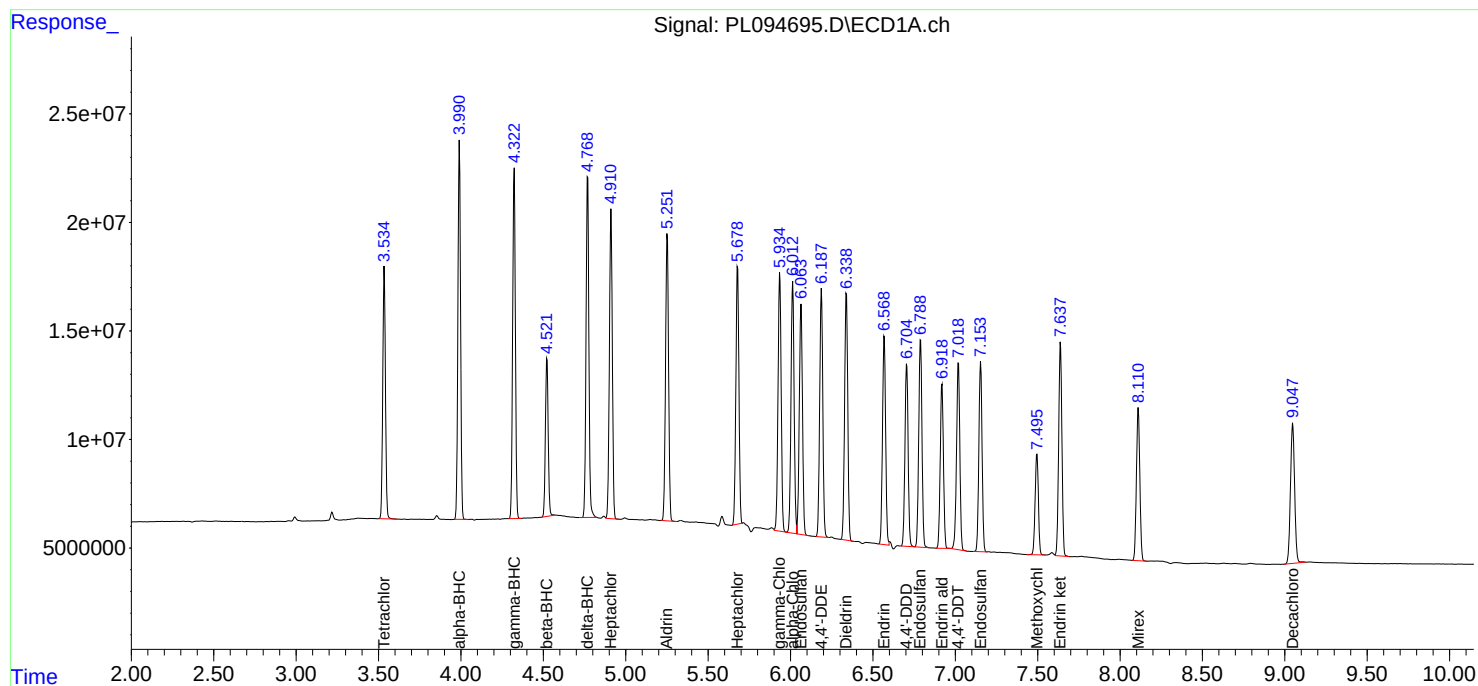
APPROVED

Reviewed By :Yogesh Patel 03/14/2025

Supervised By :mohammad ahmed 03/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 14 11:41:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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: **PORT06**

Lab Code: **CHEM** Case No.: **Q1488** SAS No.: **Q1488** SDG NO.: **Q1488**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **03/11/2025** **03/11/2025**

Client Sample No. (PEM): **PEM - PL094567.D** Date Analyzed: **03/11/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **10:08**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.052	8.950	9.150	20.540	20.000	2.7
Tetrachloro-m-xylene	3.536	3.490	3.590	19.600	20.000	-2.0
alpha-BHC	3.992	3.940	4.040	10.230	10.000	2.3
beta-BHC	4.524	4.470	4.570	10.180	10.000	1.8
gamma-BHC (Lindane)	4.325	4.270	4.380	10.310	10.000	3.1
Endrin	6.572	6.500	6.640	43.430	50.000	-13.1
4,4'-DDT	7.021	6.950	7.090	87.030	100.000	-13.0
Methoxychlor	7.498	7.430	7.570	214.630	250.000	-14.1

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **03/11/2025** **03/11/2025**

Client Sample No. (PEM): **PEM - PL094567.D** Date Analyzed: **03/11/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **10:08**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.905	7.800	8.010	19.590	20.000	-2.1
Tetrachloro-m-xylene	2.771	2.720	2.820	19.320	20.000	-3.4
alpha-BHC	3.273	3.220	3.320	9.150	10.000	-8.5
beta-BHC	3.903	3.850	3.950	10.130	10.000	1.3
gamma-BHC (Lindane)	3.603	3.550	3.650	9.160	10.000	-8.4
Endrin	5.632	5.560	5.700	44.410	50.000	-11.2
4,4'-DDT	6.030	5.960	6.100	97.400	100.000	-2.6
Methoxychlor	6.605	6.530	6.680	224.380	250.000	-10.2

PEM

Data File Name PL094567.D

Operator AR\AJ

Date Acquired #####

DDT BREAKDOWN**COLUMN#1**

Name	RT	Response	Response (DDT+DDE+DDD)	Response DDE+DDD	%Break Down
4,4'-DDT	8.4	207005383.7	208269384.3	1264000.531	0.61
4,4'-DDE	7.56	0			
4,4'-DDD	8.14	1264000.531			

COLUMN#2

Name	RT	Response	Response (DDT+DDE+DDD)	Response DDE+DDD	%Break Down
4,4'-DDT #2	9.35	392738009.3	396959833.5	4221824.188	1.06
4,4'-DDE #2	8.49	0			
4,4'-DDD #2	9.03	4221824.188			

ENDRIN BREAKDOWN**COLUMN#1**

Name	RT	Response	Response (E+EA+EK)	Response (EA+EK)	%Break Down
Endrin	6.57	120398593.5	128928778	8530184.468	6.62
Endrin aldehyde	6.92	2907361.253			
Endrin ketone	7.64	5622823.215			

COLUMN#2

Name	RT	Response	Response (E+EA+EK)	Response (EA+EK)	%Break Down
Endrin #2	5.63	193799545.9	209359013.2	15559467.29	7.43
Endrin aldehyde #2	6.11	6474395.287			
Endrin ketone #2	6.83	9085072.003			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094567.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:08
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/12/2025
 Supervised By : Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:34:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:31:55 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	55468340	68955312	19.595	19.319
2) SA Decachlor...	9.052	7.905	43281377	79131399	20.537	19.590
Target Compounds						
2) A alpha-BHC	3.992	3.273	42494047	49328954	10.234	9.150
3) MA gamma-BHC...	4.325	3.603	41158643	47101013	10.315	9.165
6) B beta-BHC	4.524	3.903	18789587	22504052	10.183	10.131
14) MA Endrin	6.572	5.632	120.4E6	193.8E6	43.433	44.412
16) A 4,4'-DDD	6.709	5.779	1264001	4221824	0.584m	1.174m#
17) MA 4,4'-DDT	7.021	6.030	207.0E6	392.7E6	87.030	97.403
18) B Endrin al...	6.919	6.106	2907361	6474395	1.377m	1.924 #
20) A Methoxychlor	7.498	6.605	256.9E6	475.9E6	214.629	224.378
21) B Endrin ke...	7.639	6.832	5622823	9085072	2.127m	1.904m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:08
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

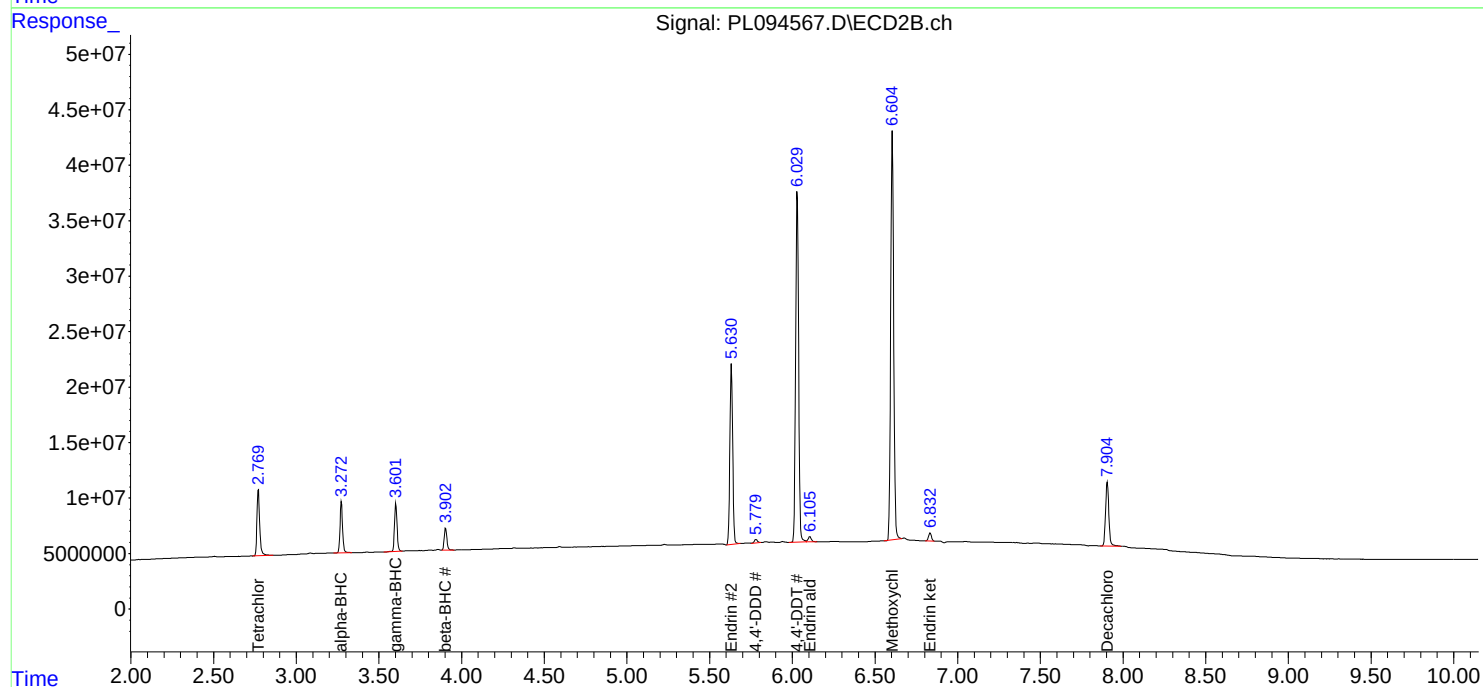
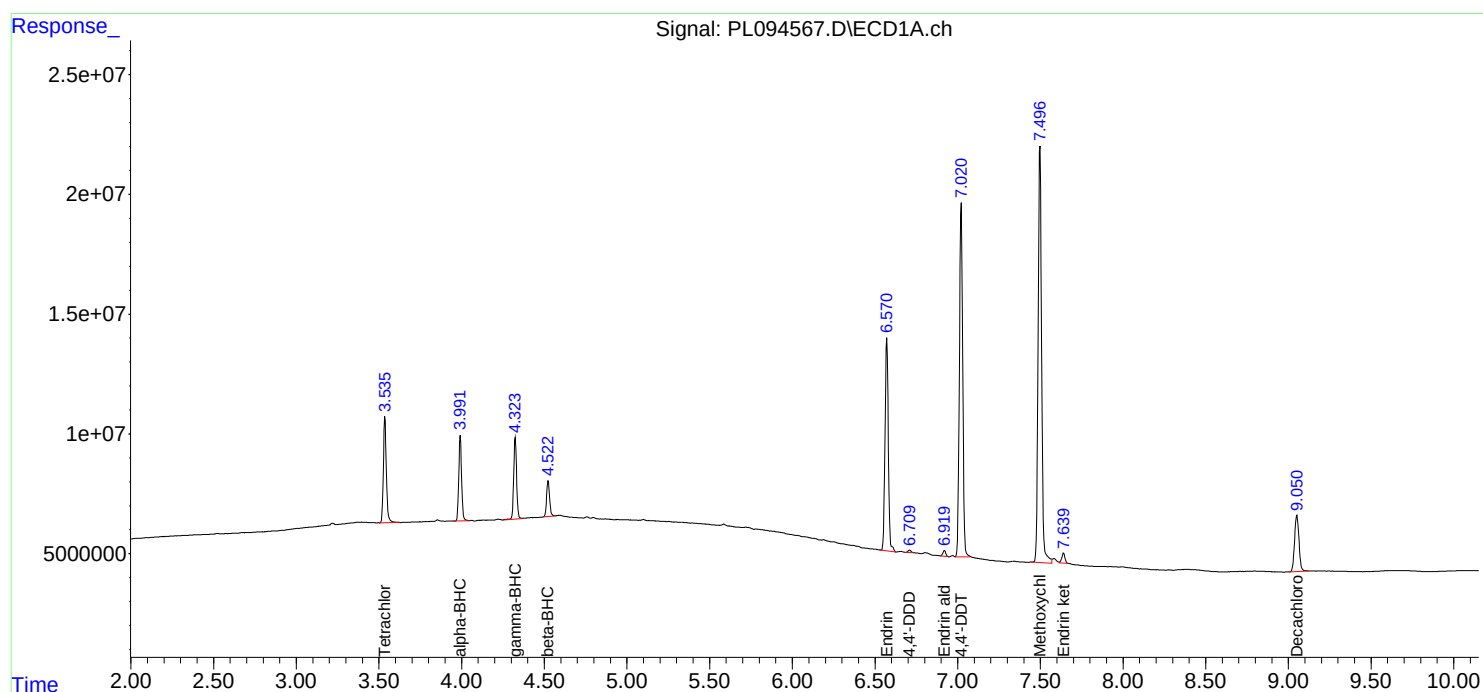
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/12/2025
Supervised By : Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:34:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:31:55 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: **PORT06**

Lab Code: **CHEM** Case No.: **Q1488** SAS No.: **Q1488** SDG NO.: **Q1488**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **03/11/2025** **03/11/2025**

Client Sample No. (PEM): **PEM - PL094621.D** Date Analyzed: **03/12/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **08:51**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.054	8.950	9.150	22.150	20.000	10.8
Tetrachloro-m-xylene	3.539	3.490	3.590	20.850	20.000	4.3
alpha-BHC	3.994	3.940	4.040	10.750	10.000	7.5
beta-BHC	4.526	4.480	4.580	10.570	10.000	5.7
gamma-BHC (Lindane)	4.327	4.280	4.380	10.700	10.000	7.0
Endrin	6.573	6.500	6.640	41.560	50.000	-16.9
4,4'-DDT	7.025	6.950	7.100	87.210	100.000	-12.8
Methoxychlor	7.500	7.430	7.570	217.020	250.000	-13.2

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **03/11/2025** **03/11/2025**

Client Sample No. (PEM): **PEM - PL094621.D** Date Analyzed: **03/12/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **08:51**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.906	7.810	8.010	20.130	20.000	0.7
Tetrachloro-m-xylene	2.772	2.720	2.820	20.240	20.000	1.2
alpha-BHC	3.274	3.220	3.320	9.640	10.000	-3.6
beta-BHC	3.904	3.850	3.950	10.800	10.000	8.0
gamma-BHC (Lindane)	3.604	3.550	3.650	9.650	10.000	-3.5
Endrin	5.634	5.560	5.700	44.940	50.000	-10.1
4,4'-DDT	6.032	5.960	6.100	96.750	100.000	-3.3
Methoxychlor	6.606	6.540	6.680	223.560	250.000	-10.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094621.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 08:51
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/13/2025
 Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 12 13:24:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	59033117	72226259	20.855	20.236
28)	SA Decachlor...	9.054	7.906	46675778	81297985	22.148	20.126
Target Compounds							
2)	A alpha-BHC	3.994	3.274	44641285	51967612	10.751	9.639
3)	MA gamma-BHC...	4.327	3.604	42706337	49590037	10.703	9.649
6)	B beta-BHC	4.526	3.904	19509495	23985762	10.573	10.798
12)	B 4,4'-DDE	6.191	5.227	371546	532569	0.126m	0.115m
14)	MA Endrin	6.573	5.634	115.2E6	196.1E6	41.561m	44.935
16)	A 4,4'-DDD	6.709	5.781	7436005	10540777	3.433m	2.931
17)	MA 4,4'-DDT	7.025	6.032	207.4E6	390.1E6	87.214	96.746
18)	B Endrin al...	6.709f	6.108	7461627	7601618	3.535m	2.259 #
20)	A Methoxychlor	7.500	6.606	259.8E6	474.2E6	217.025	223.555
21)	B Endrin ke...	7.643	6.835	9412088	15429296	3.561	3.233

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094621.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 08:51
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

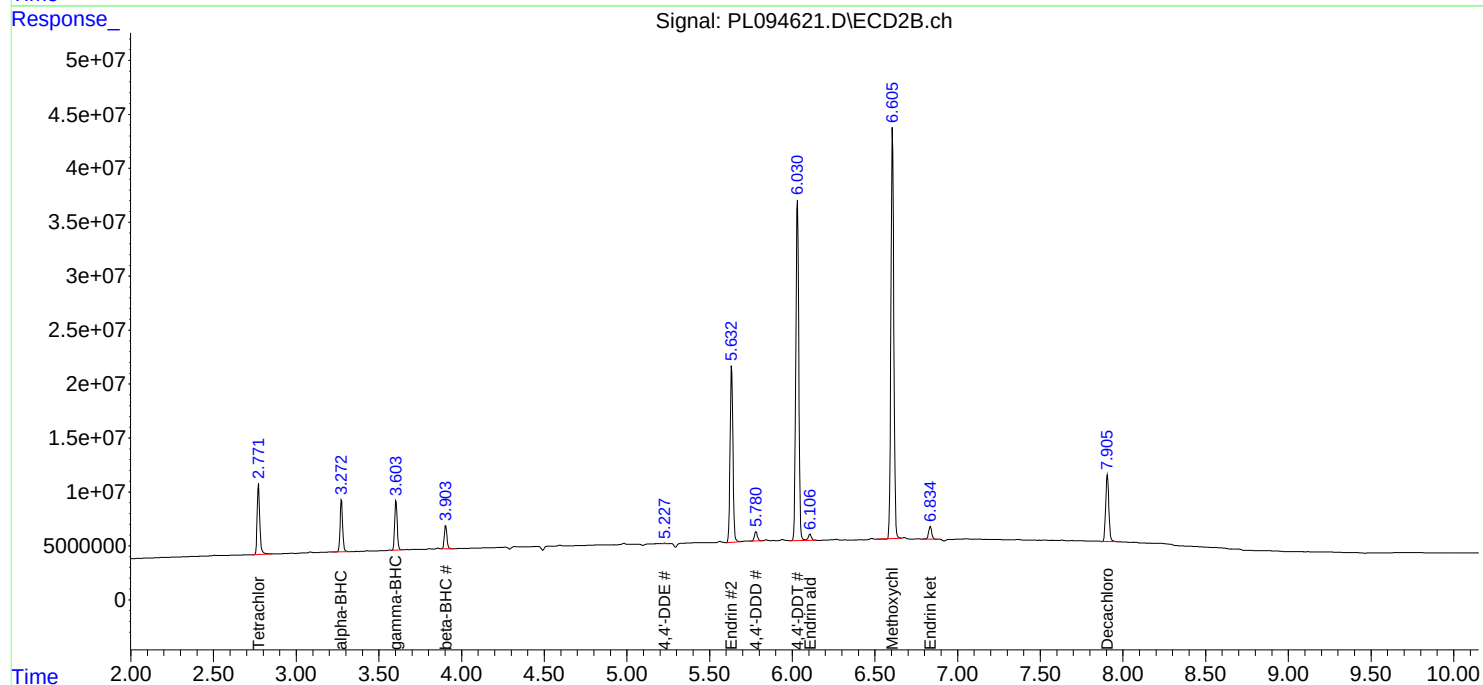
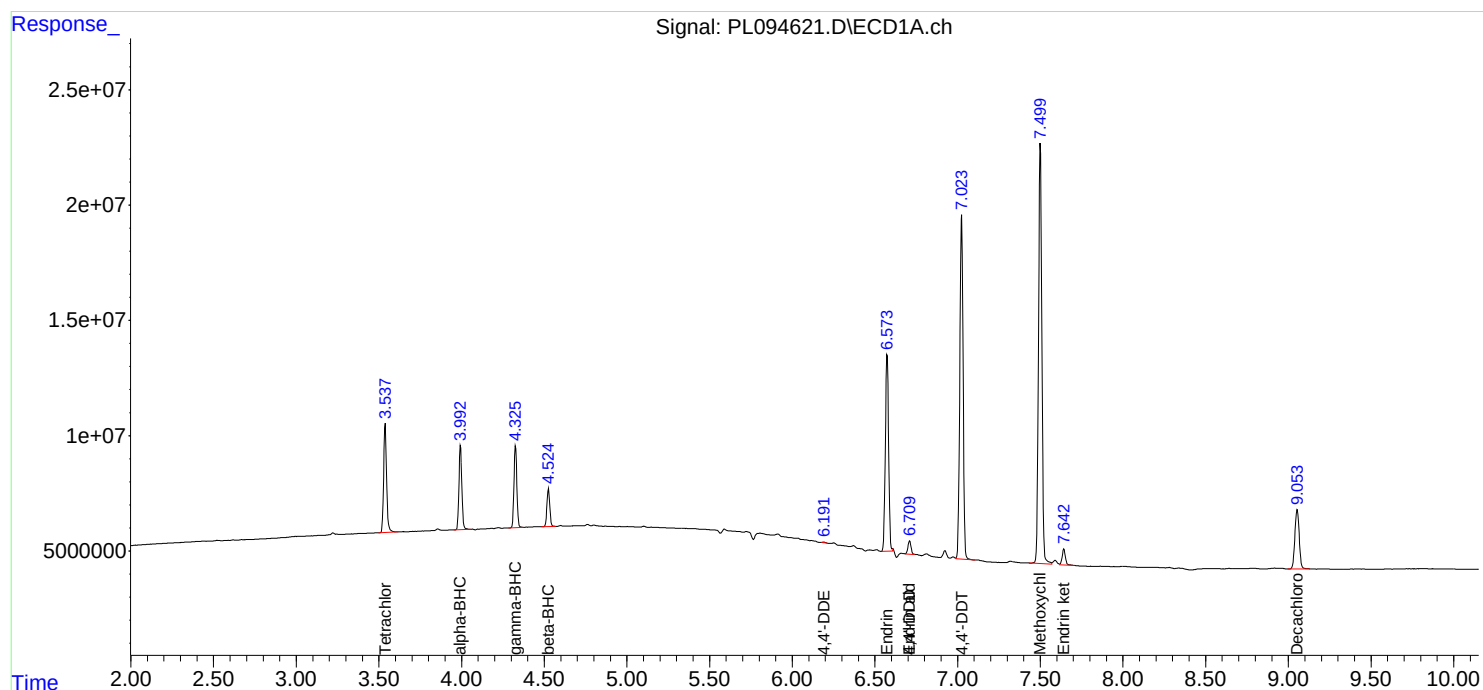
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/13/2025
Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 13:24:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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: **PORT06**

Lab Code: **CHEM** Case No.: **Q1488** SAS No.: **Q1488** SDG NO.: **Q1488**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **03/11/2025** **03/11/2025**

Client Sample No. (PEM): **PEM - PL094652.D** Date Analyzed: **03/12/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **19:24**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.049	8.950	9.150	24.670	20.000	23.4
Tetrachloro-m-xylene	3.537	3.490	3.590	21.440	20.000	7.2
alpha-BHC	3.992	3.940	4.040	11.020	10.000	10.2
beta-BHC	4.523	4.470	4.570	10.970	10.000	9.7
gamma-BHC (Lindane)	4.324	4.270	4.370	11.010	10.000	10.1
Endrin	6.569	6.500	6.640	43.690	50.000	-12.6
4,4'-DDT	7.021	6.950	7.090	91.520	100.000	-8.5
Methoxychlor	7.497	7.430	7.570	225.230	250.000	-9.9

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **03/11/2025** **03/11/2025**

Client Sample No. (PEM): **PEM - PL094652.D** Date Analyzed: **03/12/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **19:24**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.903	7.800	8.000	23.060	20.000	15.3
Tetrachloro-m-xylene	2.771	2.720	2.820	21.550	20.000	7.8
alpha-BHC	3.272	3.220	3.320	10.200	10.000	2.0
beta-BHC	3.902	3.850	3.950	11.580	10.000	15.8
gamma-BHC (Lindane)	3.602	3.550	3.650	10.290	10.000	2.9
Endrin	5.631	5.560	5.700	47.470	50.000	-5.1
4,4'-DDT	6.029	5.960	6.100	98.390	100.000	-1.6
Methoxychlor	6.604	6.530	6.670	232.280	250.000	-7.1

Data File: PEM
 PL094652.D Date Acquired 3/12/2025 19:24
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	121107746.2	138467136.6	17359390.5	12.54
Endrin aldehyde	6.92	5555730.097			
Endrin ketone	7.64	11803660.36			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	207163476.2	238808240.1	31644763.9	13.25
Endrin aldehyde #2	6.11	8561950.694			
Endrin ketone #2	6.83	23082813.19			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	217688915.7	232876280.8	15187365.1	6.52
4,4'-DDE	6.19	855852.664			
4,4'-DDD	6.71	14331512.48			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	396727271.3	418490934.8	21763663.6	5.20
4,4'-DDE #2	5.22	619498.354			
4,4'-DDD #2	5.78	21144165.23			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094652.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 19:24
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/13/2025
 Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:36:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	60683174	76902284	21.438	21.546
28) SA Decachlor...	9.049	7.903	51998386	93150914	24.674	23.061
Target Compounds						
2) A alpha-BHC	3.992	3.272	45763207	54972208	11.021	10.196
3) MA gamma-BHC...	4.324	3.602	43941084	52884168	11.012	10.290
6) B beta-BHC	4.523	3.902	20245647	25727715	10.972	11.582
12) B 4,4'-DDE	6.186	5.222	855853	619498	0.291m	0.133m#
14) MA Endrin	6.569	5.631	121.1E6	207.2E6	43.689m	47.475
16) A 4,4'-DDD	6.706	5.779	14331512	21144165	6.616	5.880
17) MA 4,4'-DDT	7.021	6.029	217.7E6	396.7E6	91.522	98.392
18) B Endrin al...	6.920	6.105	5555730	8561951	2.632	2.544
20) A Methoxychlor	7.497	6.604	269.6E6	492.7E6	225.232	232.282
21) B Endrin ke...	7.640	6.831	11803660	23082813	4.466	4.837m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094652.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 19:24
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

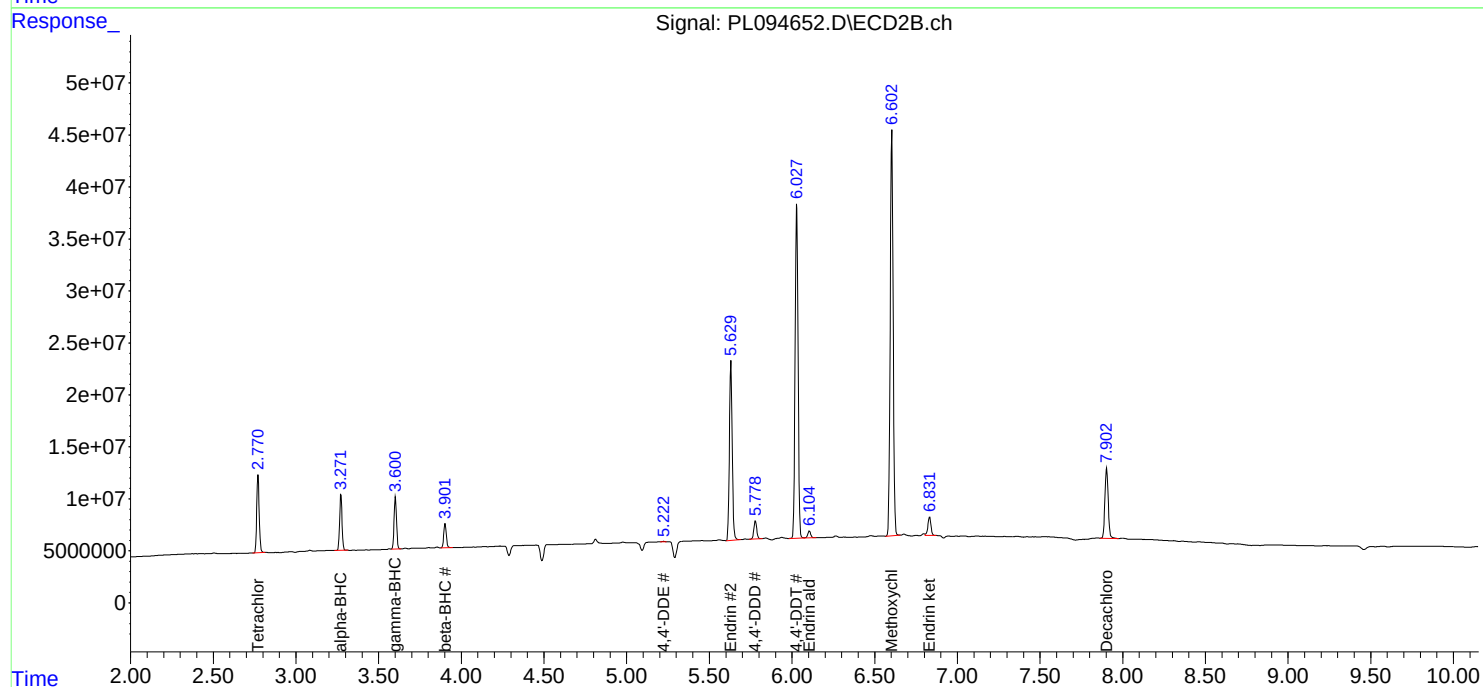
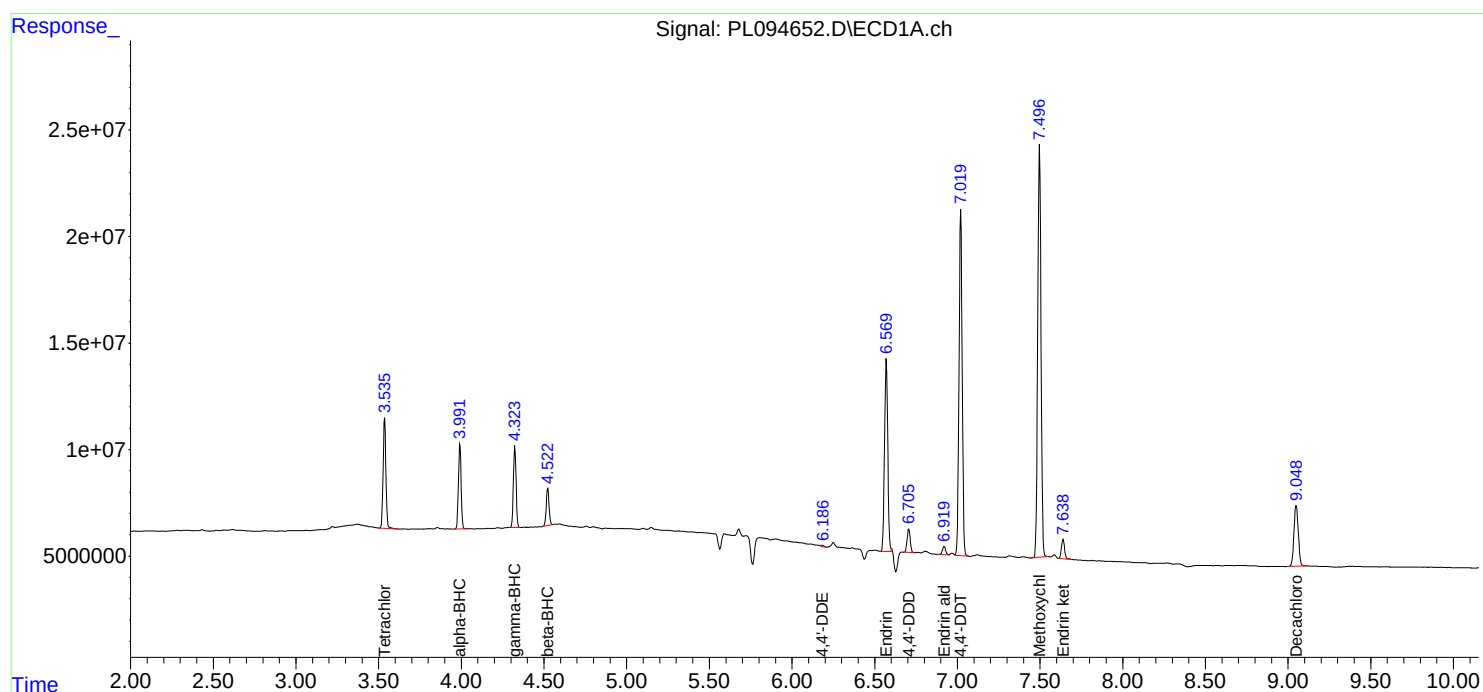
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/13/2025
Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:36:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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: **PORT06**

Lab Code: **CHEM** Case No.: **Q1488** SAS No.: **Q1488** SDG NO.: **Q1488**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **03/11/2025** **03/11/2025**

Client Sample No. (PEM): **PEM - PL094667.D** Date Analyzed: **03/13/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:53**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.055	8.950	9.160	22.170	20.000	10.9
Tetrachloro-m-xylene	3.539	3.490	3.590	18.440	20.000	-7.8
alpha-BHC	3.995	3.940	4.050	9.420	10.000	-5.8
beta-BHC	4.527	4.480	4.580	9.280	10.000	-7.2
gamma-BHC (Lindane)	4.328	4.280	4.380	9.510	10.000	-4.9
Endrin	6.574	6.500	6.640	38.380	50.000	-23.2
4,4'-DDT	7.025	6.950	7.100	89.690	100.000	-10.3
Methoxychlor	7.501	7.430	7.570	227.580	250.000	-9.0

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **03/11/2025** **03/11/2025**

Client Sample No. (PEM): **PEM - PL094667.D** Date Analyzed: **03/13/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:53**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.903	7.800	8.000	20.830	20.000	4.2
Tetrachloro-m-xylene	2.768	2.720	2.820	19.200	20.000	-4.0
alpha-BHC	3.270	3.220	3.320	9.170	10.000	-8.3
beta-BHC	3.901	3.850	3.950	10.140	10.000	1.4
gamma-BHC (Lindane)	3.600	3.550	3.650	8.920	10.000	-10.8
Endrin	5.630	5.560	5.700	43.240	50.000	-13.5
4,4'-DDT	6.028	5.960	6.100	101.690	100.000	1.7
Methoxychlor	6.604	6.530	6.670	241.920	250.000	-3.2

Data File: PEM
 PL094667.D Date Acquired 3/13/2025 11:53
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	106385036.6	116574183.1	10189146.5	8.74
Endrin aldehyde	6.92	2570057			
Endrin ketone	7.64	7619089.491			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	188692301.8	203877594.6	15185292.8	7.45
Endrin aldehyde #2	6.11	6283167.033			
Endrin ketone #2	6.83	8902125.81			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	213339891.7	214200696.8	860805.043	0.40
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	860805.043			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	410024128.2	411252612.3	1228484.11	0.30
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.78	1228484.107			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
 Data File : PL094667.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Mar 2025 11:53
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/14/2025
 Supervised By :mohammad ahmed 03/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 14:34:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	2.768	52188260	68522594	18.437	19.198
28)	SA Decachlor...	9.055	7.903	46719225	84130410	22.169	20.828
Target Compounds							
2)	A alpha-BHC	3.995	3.270	39103745	49443897	9.417	9.171
3)	MA gamma-BHC...	4.328	3.600	37928360	45829765	9.505	8.917
6)	B beta-BHC	4.527	3.901	17132813	22534758	9.285	10.145
14)	MA Endrin	6.574	5.630	106.4E6	188.7E6	38.377	43.242
16)	A 4,4'-DDD	6.709	5.779	860805	1228484	0.397m	0.342m
17)	MA 4,4'-DDT	7.025	6.028	213.3E6	410.0E6	89.694	101.690
18)	B Endrin al...	6.923	6.105	2570057	6283167	1.217m	1.867 #
20)	A Methoxychlor	7.501	6.604	272.4E6	513.1E6	227.577	241.917
21)	B Endrin ke...	7.643	6.832	7619089	8902126	2.882	1.865 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
Data File : PL094667.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Mar 2025 11:53
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

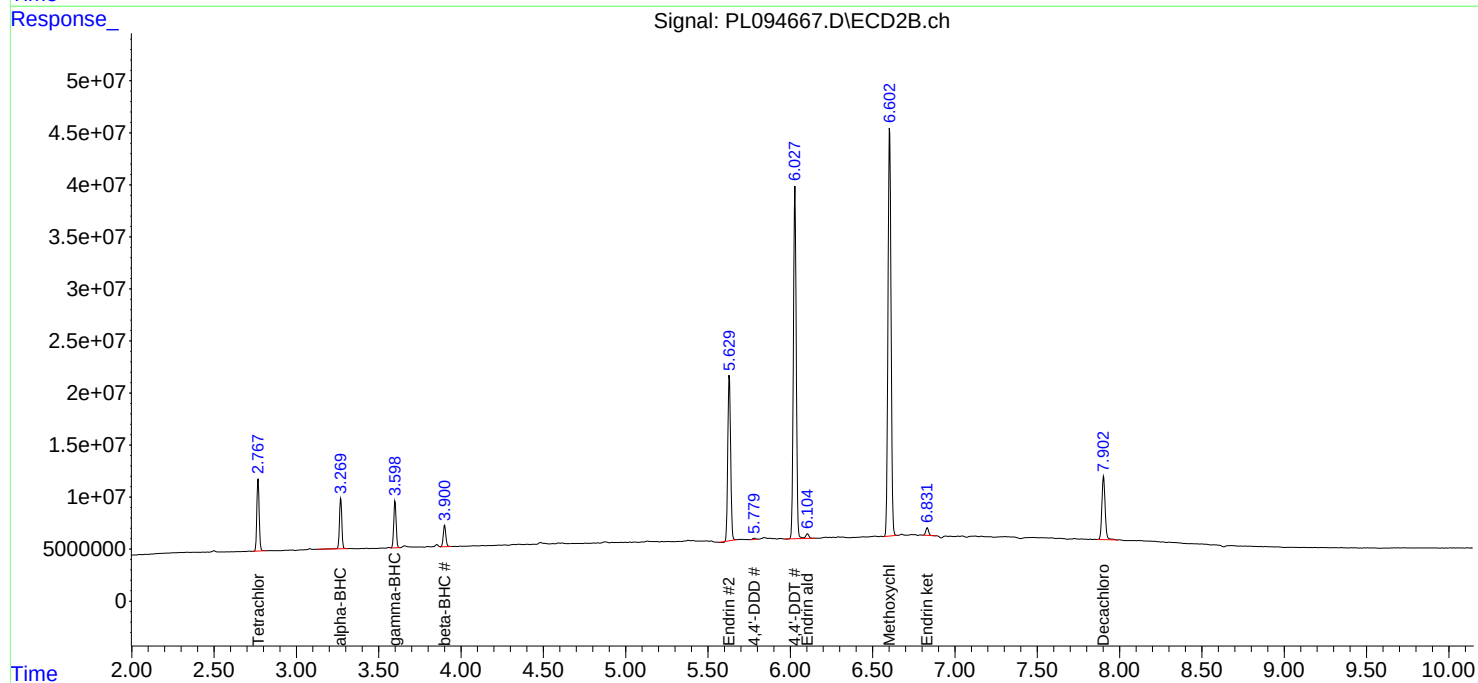
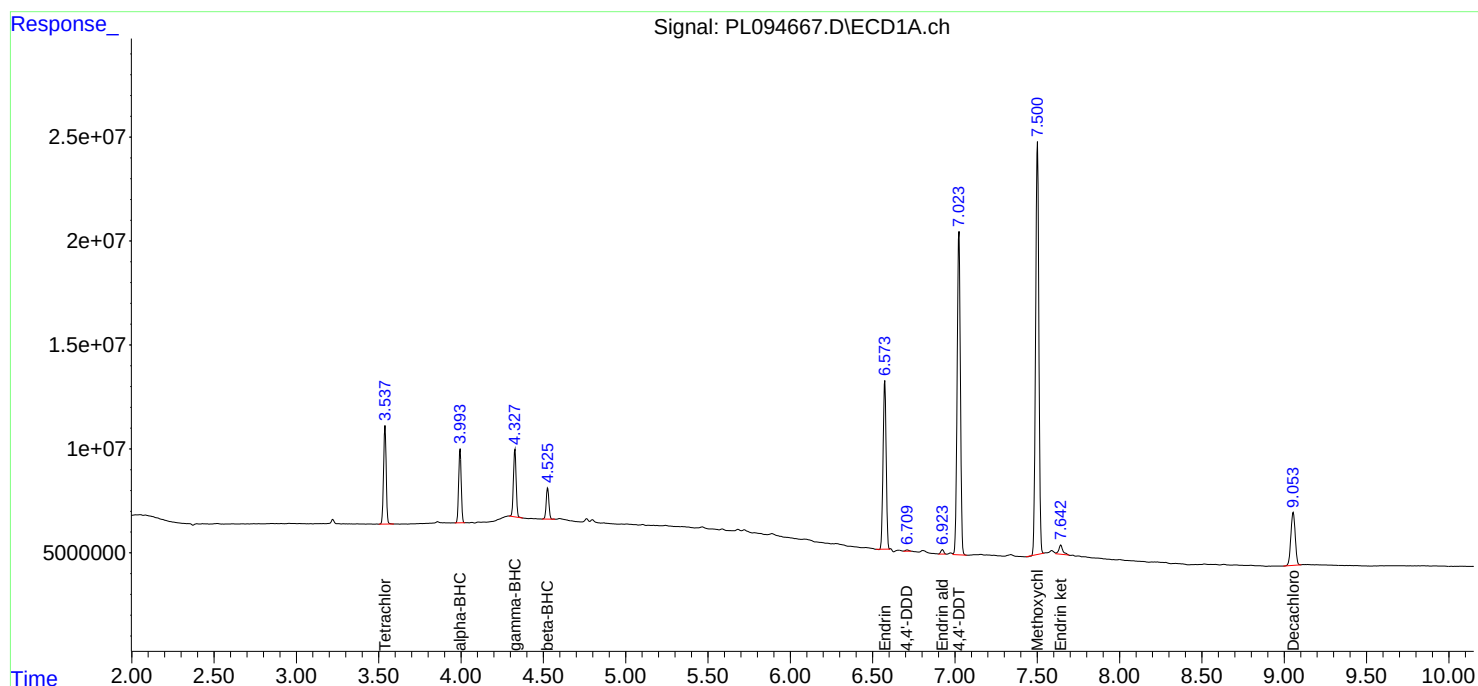
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/14/2025
Supervised By :mohammad ahmed 03/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 14:34:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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: Portal Partners Tri-Venture	SDG No.: Q1488
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 03/11/2025 03/11/2025

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	03/11/2025	09:55	PL094566.D	9.05	3.54
PEM	PEM	03/11/2025	10:08	PL094567.D	9.05	3.54
RESCHK	RESCHK	03/11/2025	10:22	PL094568.D	9.05	3.54
PSTDICCC100	PSTDICCC100	03/11/2025	10:35	PL094569.D	9.05	3.54
PSTDICCC075	PSTDICCC075	03/11/2025	10:49	PL094570.D	9.06	3.54
PSTDICCC050	PSTDICCC050	03/11/2025	11:02	PL094571.D	9.06	3.54
PSTDICCC025	PSTDICCC025	03/11/2025	11:16	PL094572.D	9.06	3.54
PSTDICCC005	PSTDICCC005	03/11/2025	11:29	PL094573.D	9.05	3.54
PCHLORICC500	PCHLORICC500	03/11/2025	12:10	PL094576.D	9.06	3.54
PTOXICC500	PTOXICC500	03/11/2025	13:18	PL094581.D	9.05	3.54
PEM	PEM	03/12/2025	08:51	PL094621.D	9.05	3.54
IBLK	IBLK	03/12/2025	15:35	PL094639.D	9.06	3.54
PSTDCCC050	PSTDCCC050	03/12/2025	15:49	PL094640.D	9.05	3.54
ENV-101-SB01	Q1488-02	03/12/2025	18:15	PL094647.D	9.05	3.54
ENV-101-SB01MS	Q1488-02MS	03/12/2025	18:29	PL094648.D	9.05	3.54
ENV-101-SB01MSD	Q1488-02MSD	03/12/2025	18:42	PL094649.D	9.05	3.54
ENV-101-SB02	Q1488-04	03/12/2025	18:56	PL094650.D	9.05	3.54
IBLK	IBLK	03/12/2025	19:10	PL094651.D	9.05	3.54
PEM	PEM	03/12/2025	19:24	PL094652.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/12/2025	19:38	PL094653.D	9.05	3.54
ENV-102-SB01	Q1488-06	03/12/2025	20:05	PL094654.D	9.05	3.54
ENV-102-SB02	Q1488-08	03/12/2025	20:19	PL094655.D	9.05	3.54
ENV-104-SB01	Q1488-10	03/12/2025	20:33	PL094656.D	9.05	3.54
ENV-104-SB02	Q1488-12	03/12/2025	20:46	PL094657.D	9.05	3.54
IBLK	IBLK	03/12/2025	22:09	PL094663.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/12/2025	22:22	PL094664.D	9.05	3.54
PEM	PEM	03/13/2025	11:53	PL094667.D	9.06	3.54
IBLK	IBLK	03/13/2025	15:12	PL094676.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/13/2025	15:25	PL094677.D	9.05	3.54
PB167091BL	PB167091BL	03/13/2025	16:34	PL094682.D	9.05	3.54
PB167091BS	PB167091BS	03/13/2025	17:20	PL094683.D	9.05	3.54
PB167020TB	PB167020TB	03/13/2025	17:33	PL094684.D	9.05	3.54
IBLK	IBLK	03/13/2025	19:51	PL094694.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/13/2025	20:04	PL094695.D	9.05	3.54

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q1488
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_L
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 03/11/2025 03/11/2025

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	03/11/2025	09:55	PL094566.D	7.91	2.77
PEM	PEM	03/11/2025	10:08	PL094567.D	7.91	2.77
RESCHK	RESCHK	03/11/2025	10:22	PL094568.D	7.91	2.77
PSTDICCC100	PSTDICCC100	03/11/2025	10:35	PL094569.D	7.91	2.77
PSTDICCC075	PSTDICCC075	03/11/2025	10:49	PL094570.D	7.91	2.77
PSTDICCC050	PSTDICCC050	03/11/2025	11:02	PL094571.D	7.91	2.77
PSTDICCC025	PSTDICCC025	03/11/2025	11:16	PL094572.D	7.91	2.77
PSTDICCC005	PSTDICCC005	03/11/2025	11:29	PL094573.D	7.91	2.77
PCHLORICC500	PCHLORICC500	03/11/2025	12:10	PL094576.D	7.91	2.77
PTOXICC500	PTOXICC500	03/11/2025	13:18	PL094581.D	7.91	2.77
PEM	PEM	03/12/2025	08:51	PL094621.D	7.91	2.77
IBLK	IBLK	03/12/2025	15:35	PL094639.D	7.91	2.77
PSTDCCC050	PSTDCCC050	03/12/2025	15:49	PL094640.D	7.90	2.77
ENV-101-SB01	Q1488-02	03/12/2025	18:15	PL094647.D	7.90	2.77
ENV-101-SB01MS	Q1488-02MS	03/12/2025	18:29	PL094648.D	7.90	2.77
ENV-101-SB01MSD	Q1488-02MSD	03/12/2025	18:42	PL094649.D	7.90	2.77
ENV-101-SB02	Q1488-04	03/12/2025	18:56	PL094650.D	7.90	2.77
IBLK	IBLK	03/12/2025	19:10	PL094651.D	7.90	2.77
PEM	PEM	03/12/2025	19:24	PL094652.D	7.90	2.77
PSTDCCC050	PSTDCCC050	03/12/2025	19:38	PL094653.D	7.90	2.77
ENV-102-SB01	Q1488-06	03/12/2025	20:05	PL094654.D	7.90	2.77
ENV-102-SB02	Q1488-08	03/12/2025	20:19	PL094655.D	7.90	2.77
ENV-104-SB01	Q1488-10	03/12/2025	20:33	PL094656.D	7.90	2.77
ENV-104-SB02	Q1488-12	03/12/2025	20:46	PL094657.D	7.90	2.77
IBLK	IBLK	03/12/2025	22:09	PL094663.D	7.90	2.77
PSTDCCC050	PSTDCCC050	03/12/2025	22:22	PL094664.D	7.90	2.77
PEM	PEM	03/13/2025	11:53	PL094667.D	7.90	2.77
IBLK	IBLK	03/13/2025	15:12	PL094676.D	7.90	2.77
PSTDCCC050	PSTDCCC050	03/13/2025	15:25	PL094677.D	7.90	2.77
PB167091BL	PB167091BL	03/13/2025	16:34	PL094682.D	7.90	2.77
PB167091BS	PB167091BS	03/13/2025	17:20	PL094683.D	7.90	2.77
PB167020TB	PB167020TB	03/13/2025	17:33	PL094684.D	7.90	2.77
IBLK	IBLK	03/13/2025	19:51	PL094694.D	7.90	2.77
PSTDCCC050	PSTDCCC050	03/13/2025	20:04	PL094695.D	7.90	2.77

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

ENV-101-SB01MS

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1488

SAS No.: Q1488

SDG NO.: Q1488

Lab Sample ID: Q1488-02MS

Date(s) Analyzed: 03/12/2025 03/12/2025

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	5.70	1.8
	2	6.60	6.55	6.65	5.60	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	7.40	11.4
	2	3.60	3.55	3.65	6.60	
Heptachlor	1	4.91	4.86	4.96	5.20	3.8
	2	3.94	3.89	3.99	5.40	
Heptachlor epoxide	1	5.68	5.63	5.73	5.30	5.5
	2	4.72	4.67	4.77	5.60	
Endrin	1	6.57	6.52	6.62	5.20	10.9
	2	5.63	5.58	5.68	5.80	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

ENV-101-SB01MSD

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1488

SAS No.: Q1488

SDG NO.: Q1488

Lab Sample ID: Q1488-02MSD

Date(s) Analyzed: 03/12/2025 03/12/2025

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	5.60	0
	2	6.60	6.55	6.65	5.60	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	7.30	8.6
	2	3.60	3.55	3.65	6.70	
Heptachlor	1	4.91	4.86	4.96	5.10	5.7
	2	3.94	3.89	3.99	5.40	
Heptachlor epoxide	1	5.68	5.63	5.73	5.20	7.4
	2	4.72	4.67	4.77	5.60	
Endrin	1	6.57	6.52	6.62	5.20	10.9
	2	5.63	5.58	5.68	5.80	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167091BS

Contract: PORT06

Lab Code: CHEM

Case No.: Q1488

SAS No.: Q1488

SDG NO.: Q1488

Lab Sample ID: PB167091BS

Date(s) Analyzed: 03/13/2025

03/13/2025

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	0.53	3.2
	2	6.60	6.55	6.65	0.51	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.43	9
	2	3.60	3.55	3.65	0.48	
Heptachlor	1	4.91	4.86	4.96	0.43	9.8
	2	3.94	3.89	3.99	0.47	
Heptachlor epoxide	1	5.68	5.63	5.73	0.44	8.2
	2	4.72	4.67	4.77	0.48	
Endrin	1	6.57	6.52	6.62	0.45	7.9
	2	5.63	5.58	5.68	0.49	



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167091BL	SDG No.:	Q1488
Lab Sample ID:	PB167091BL	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094682.D	1	03/11/25 11:54	03/13/25 16:34	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.8		30 (43) - 150 (140)	129%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.9		30 (77) - 150 (126)	109%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
Data File : PL094682.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Mar 2025 16:34
Operator : AR\AJ
Sample : PB167091BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167091BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 14 11:12:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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	60028992	78141153	21.207	21.893
28)	SA Decachlor...	9.049	7.902	54392054	85796575	25.809	21.240

Target Compounds

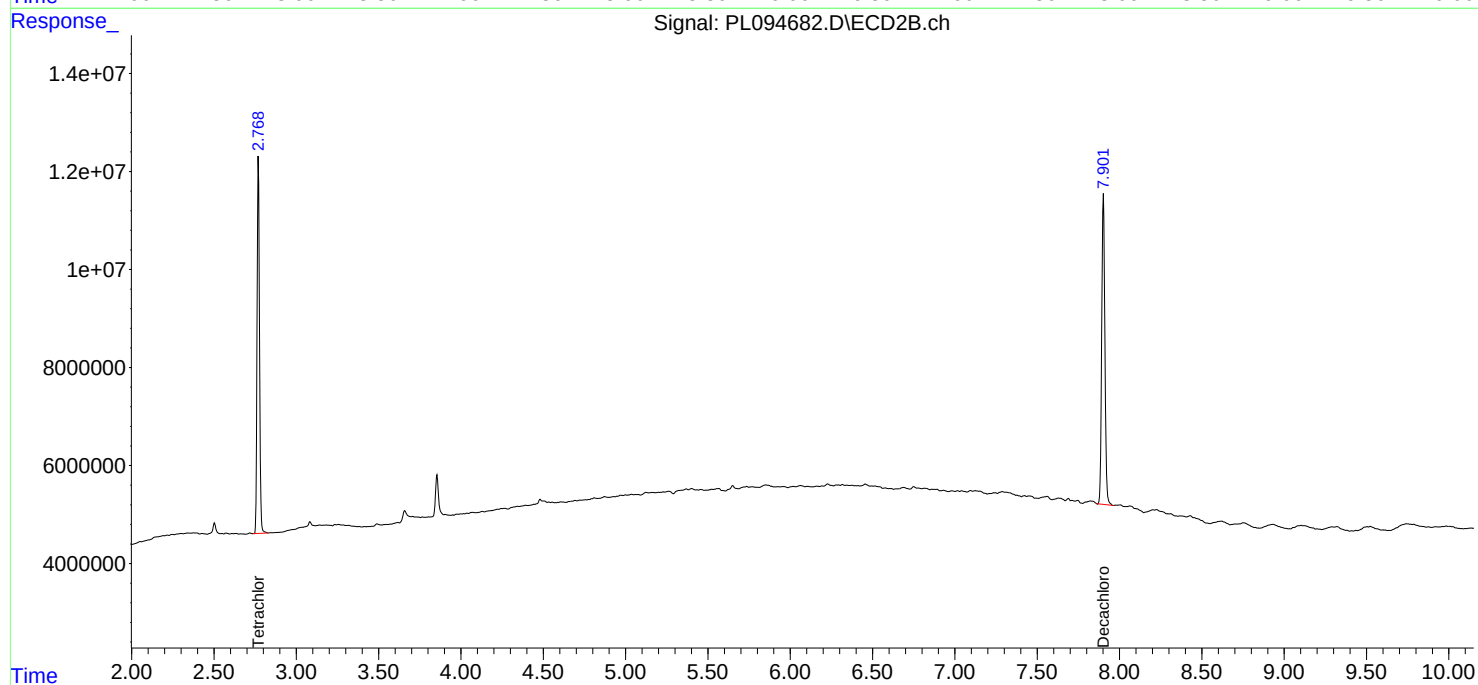
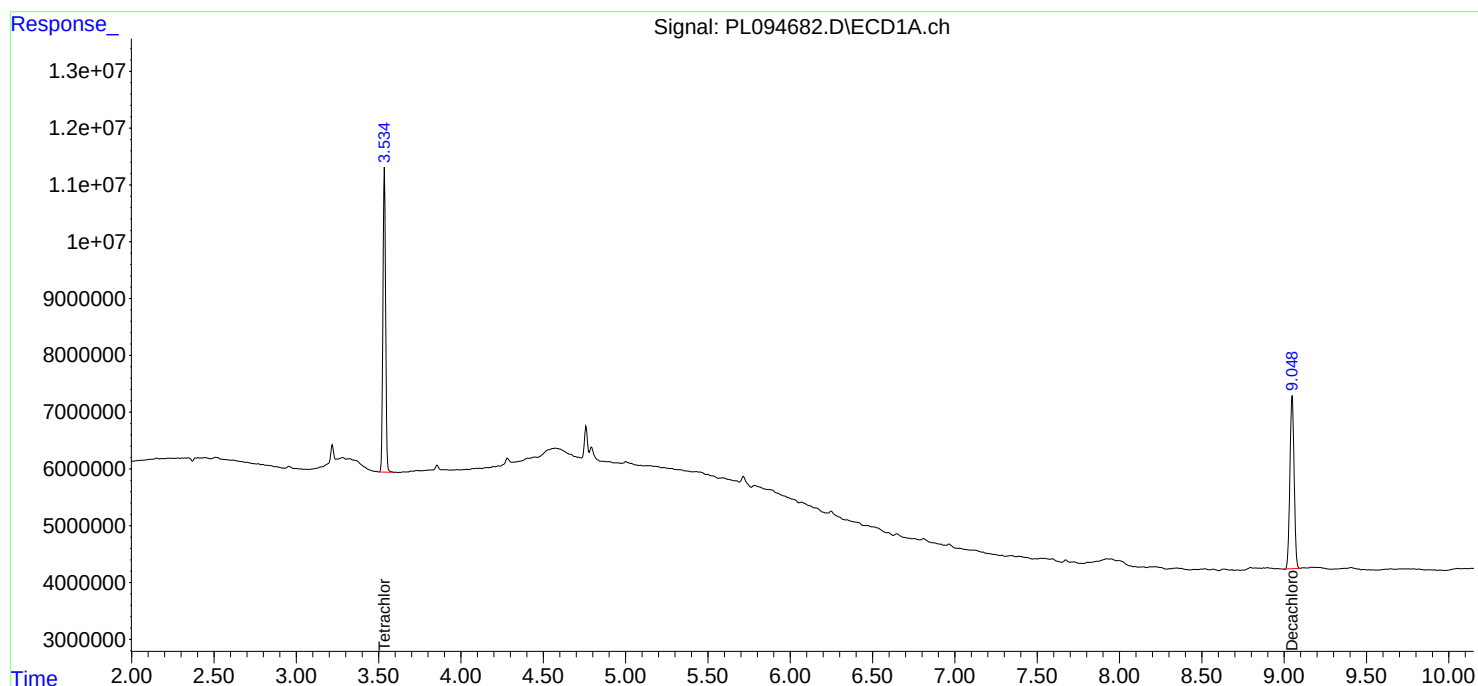
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

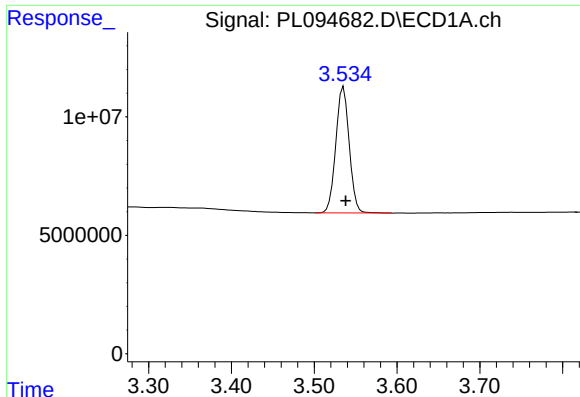
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
Data File : PL094682.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Mar 2025 16:34
Operator : AR\AJ
Sample : PB167091BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167091BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 14 11:12:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

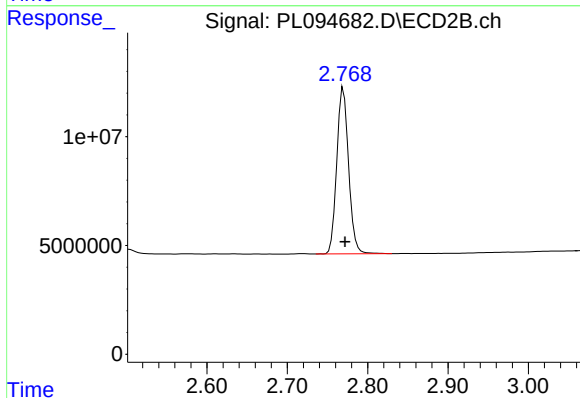




#1 Tetrachloro-m-xylene

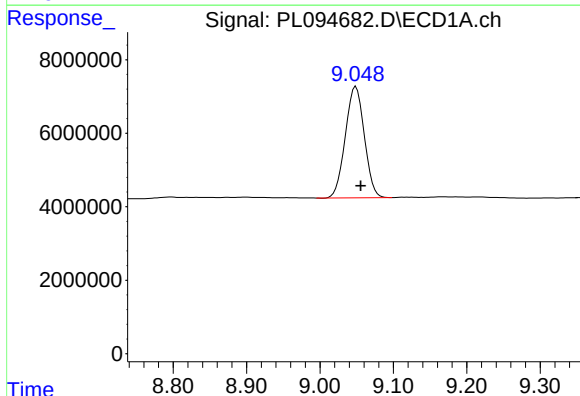
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 60028992
Conc: 21.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167091BL



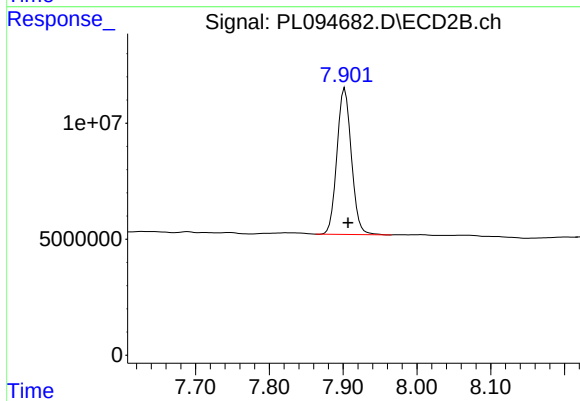
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 78141153
Conc: 21.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.007 min
Response: 54392054
Conc: 25.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.004 min
Response: 85796575
Conc: 21.24 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/11/25
Client Sample ID:	PIBLK-PL094566.D	SDG No.:	Q1488
Lab Sample ID:	I.BLK-PL094566.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094566.D	1		03/11/25	PL031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		30 (43) - 150 (140)	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		30 (77) - 150 (126)	103%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 09:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:42:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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	58403854	72167542	20.633	20.219
28) SA Decachlor...	9.053	7.905	47932225	84990699	22.744	21.041

Target Compounds

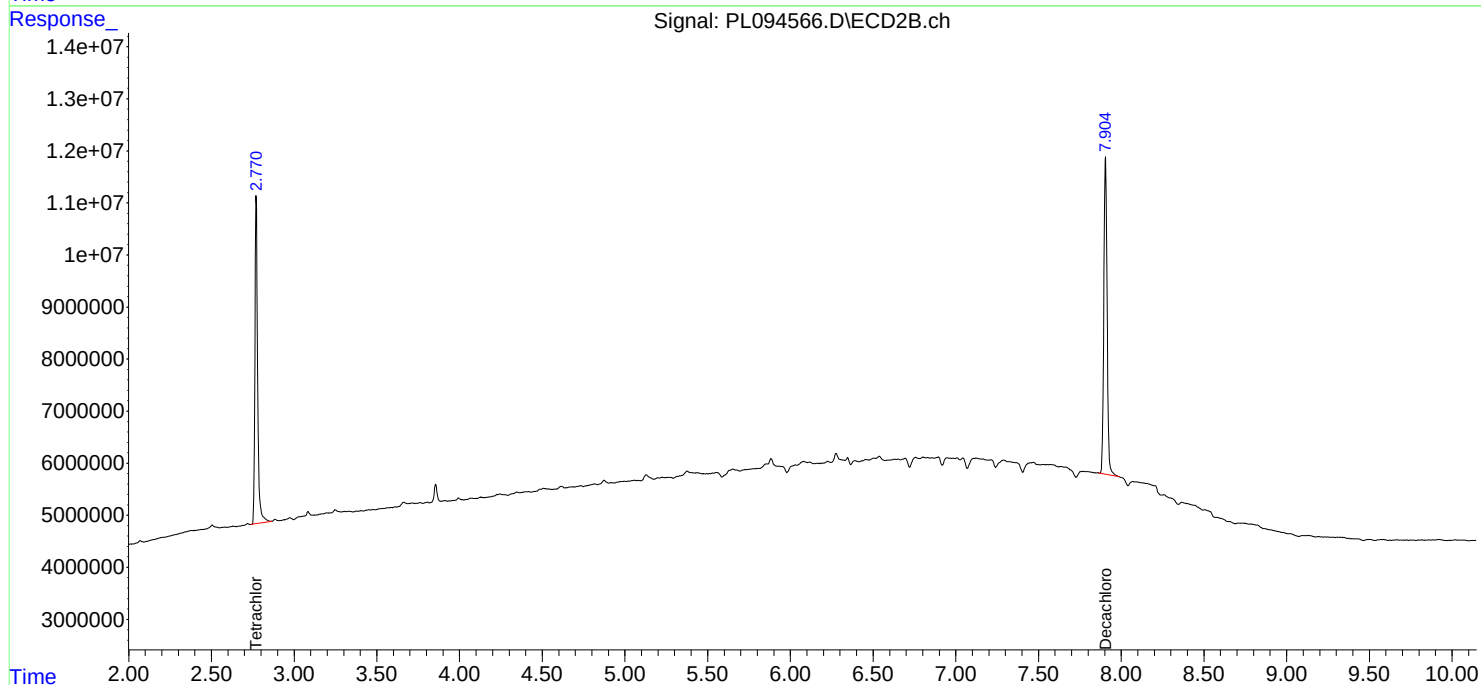
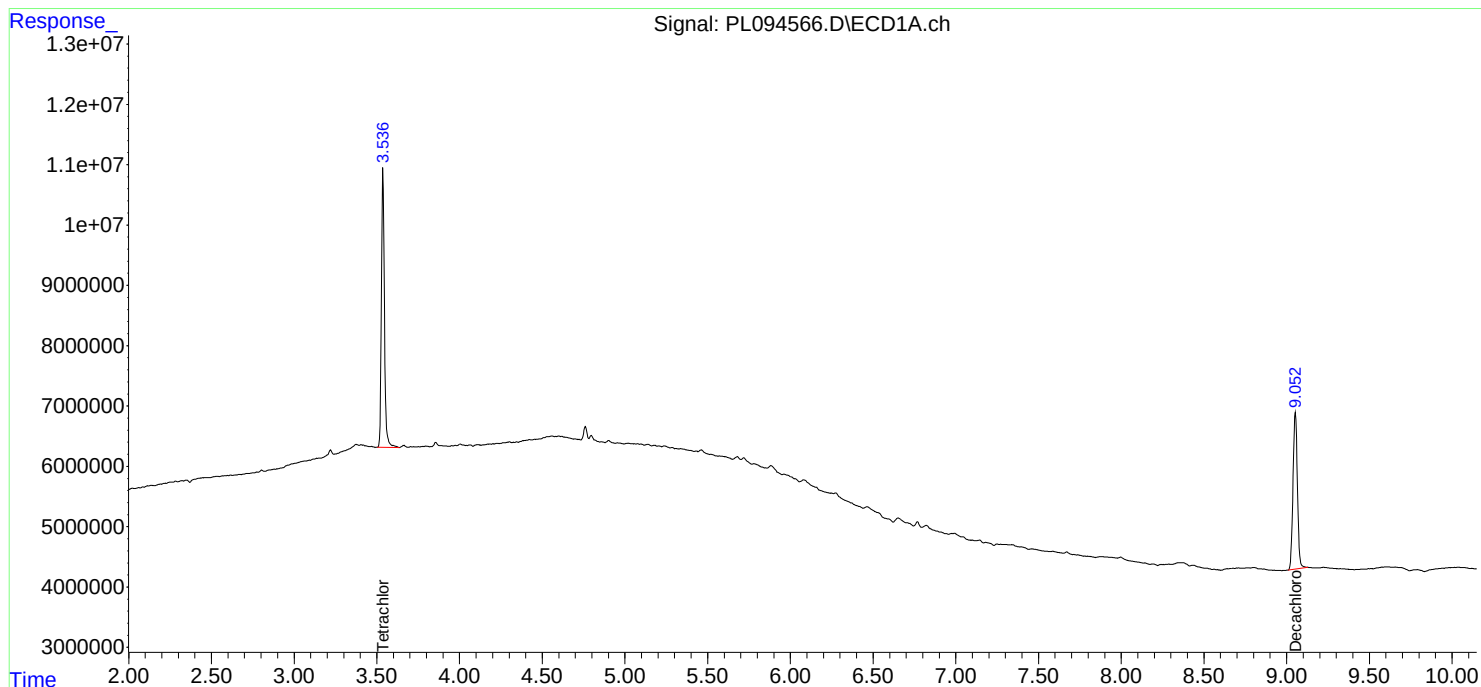
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

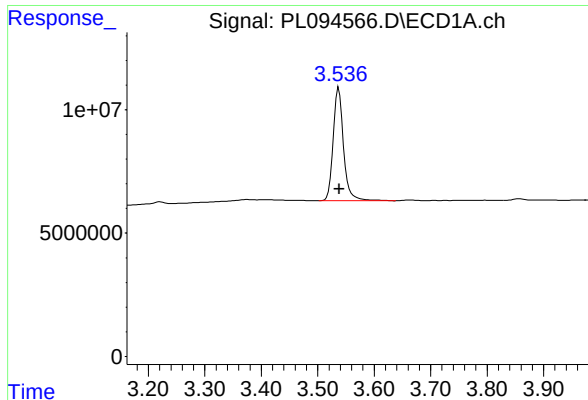
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 09:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:42:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

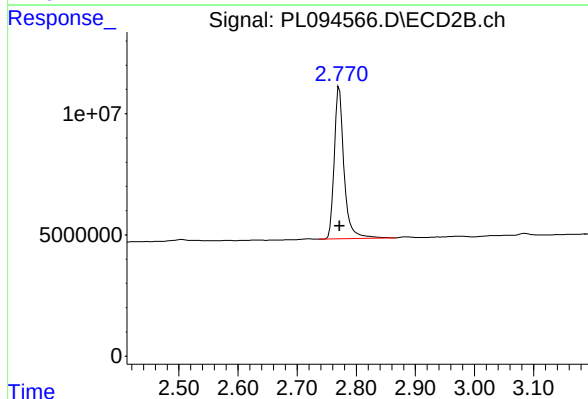




#1 Tetrachloro-m-xylene

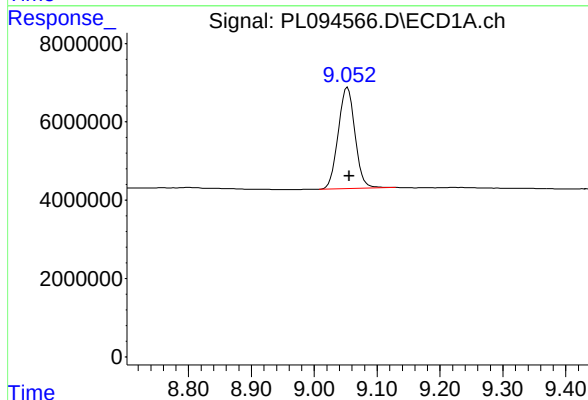
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 58403854
Conc: 20.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



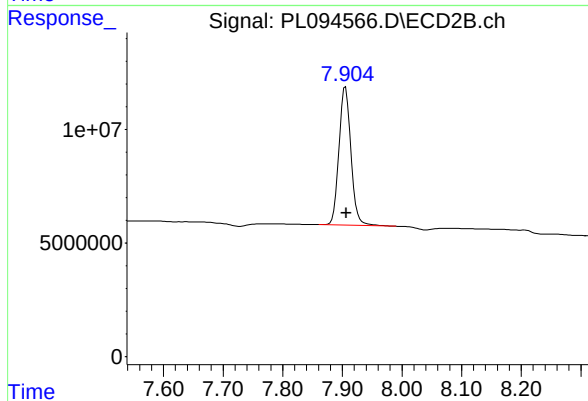
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 72167542
Conc: 20.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 47932225
Conc: 22.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.001 min
Response: 84990699
Conc: 21.04 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/12/25
Client Sample ID:	PIBLK-PL094639.D	SDG No.:	Q1488
Lab Sample ID:	I.BLK-PL094639.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094639.D	1		03/12/25	PL031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.1		30 (43) - 150 (140)	121%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		30 (77) - 150 (126)	105%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094639.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 15:35
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:34:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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...	3.543	2.771	59508773	74819020	21.023	20.962
28) SA Decachlor...	9.059	7.906	50811180	96286768	24.110	23.837

Target Compounds

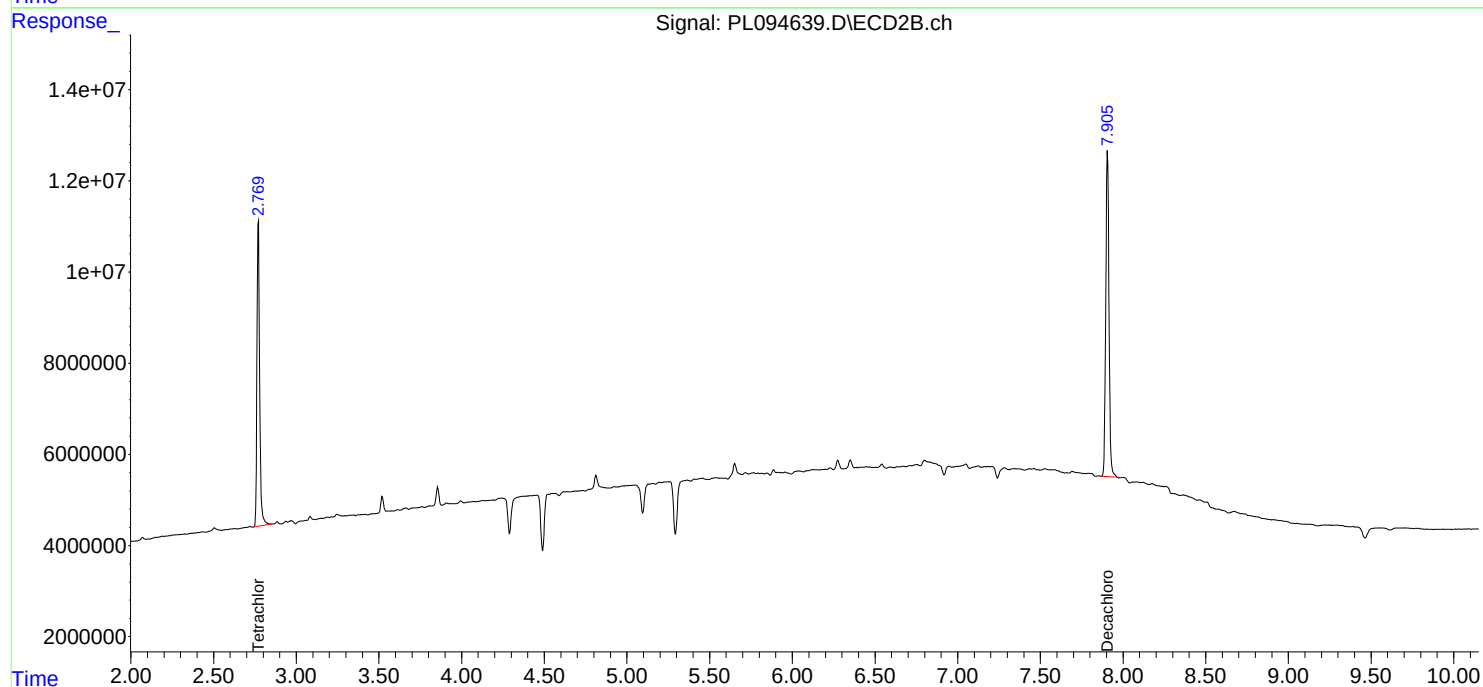
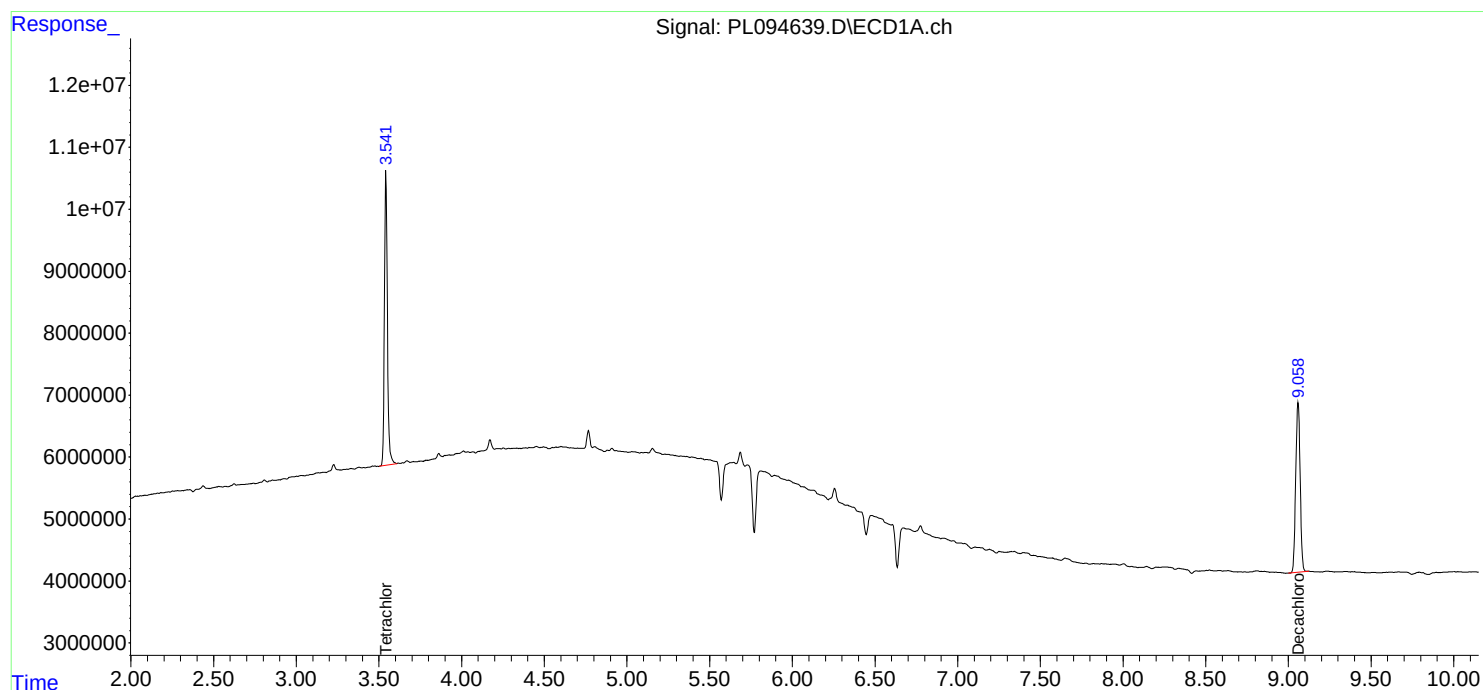
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

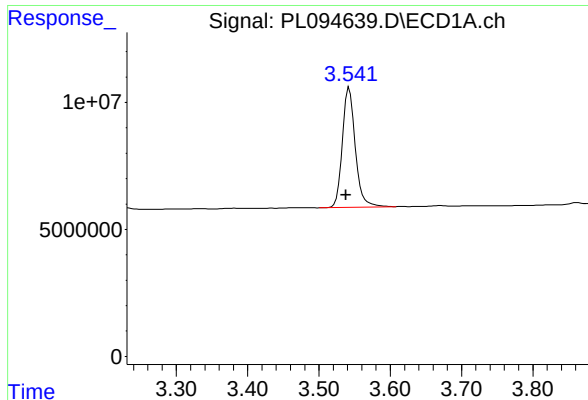
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094639.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 15:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:34:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

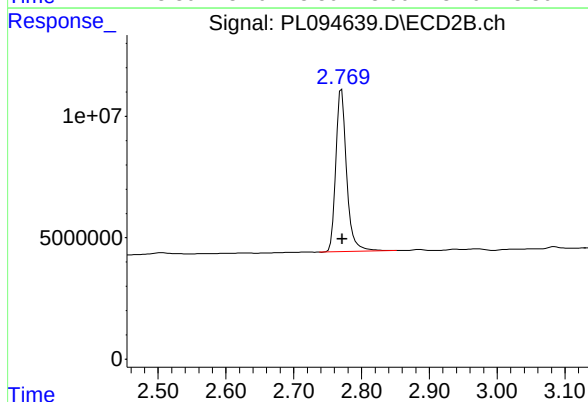




#1 Tetrachloro-m-xylene

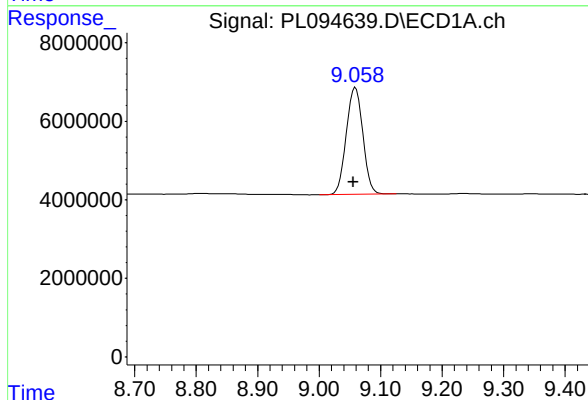
R.T.: 3.543 min
Delta R.T.: 0.005 min
Response: 59508773
Conc: 21.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



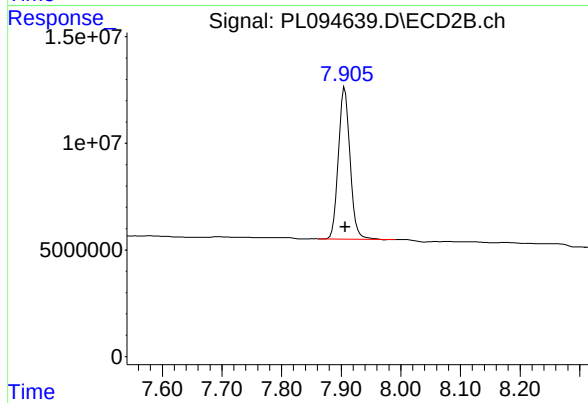
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 74819020
Conc: 20.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.003 min
Response: 50811180
Conc: 24.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: 0.000 min
Response: 96286768
Conc: 23.84 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/12/25
Client Sample ID:	PIBLK-PL094651.D	SDG No.:	Q1488
Lab Sample ID:	I.BLK-PL094651.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094651.D	1		03/12/25	PL031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	26.8		30 (43) - 150 (140)	134%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.4		30 (77) - 150 (126)	112%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094651.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 19:10
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
 Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:36:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	62398321	79952675	22.044m	22.400
28) SA Decachlor...	9.051	7.904	56386976	99481802	26.756	24.628

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094651.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 19:10
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

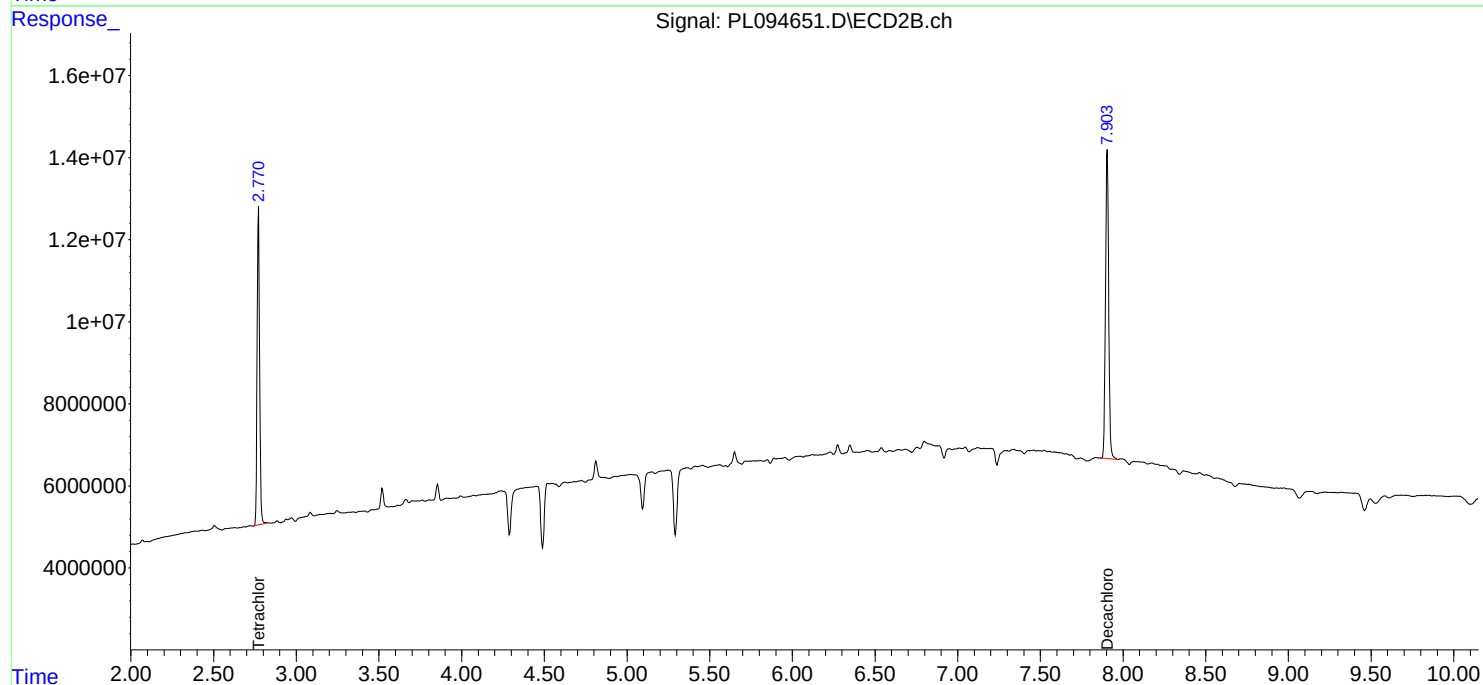
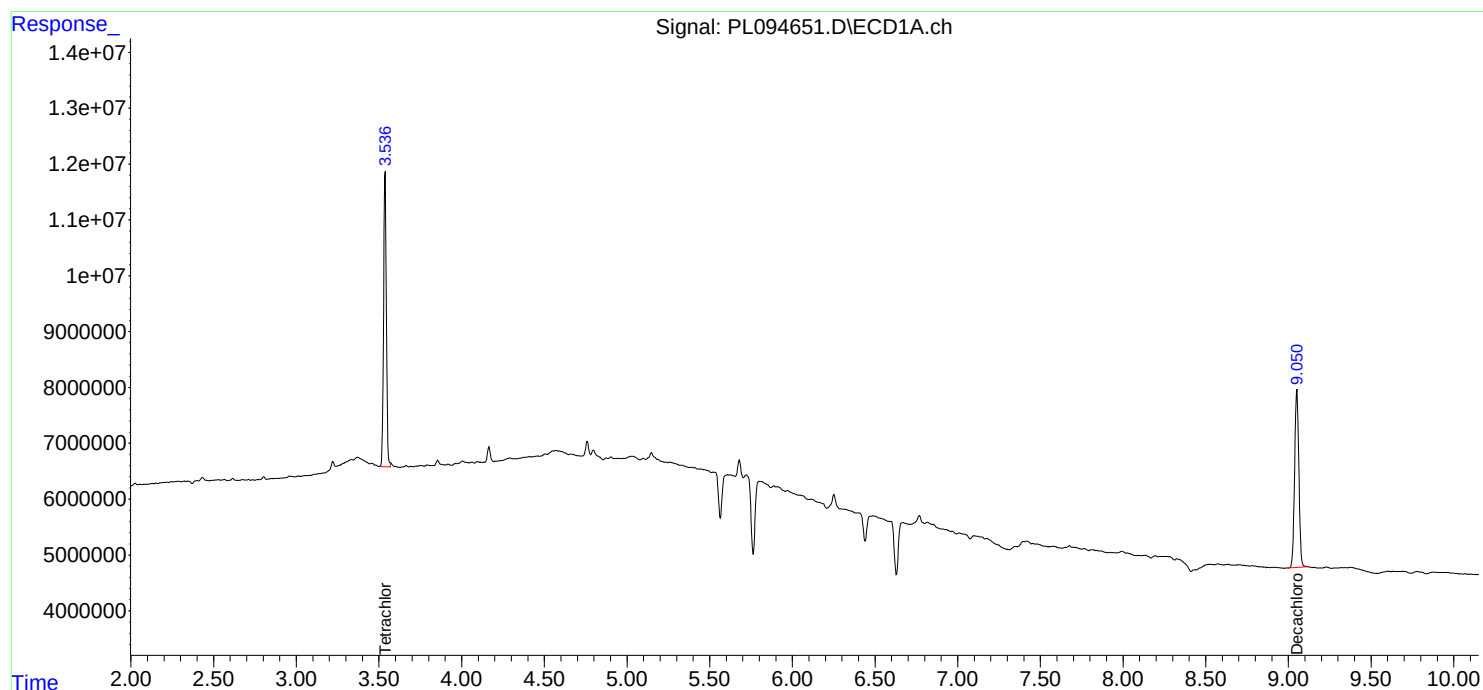
Instrument :
ECD_L
ClientSampleId :
I.BLK

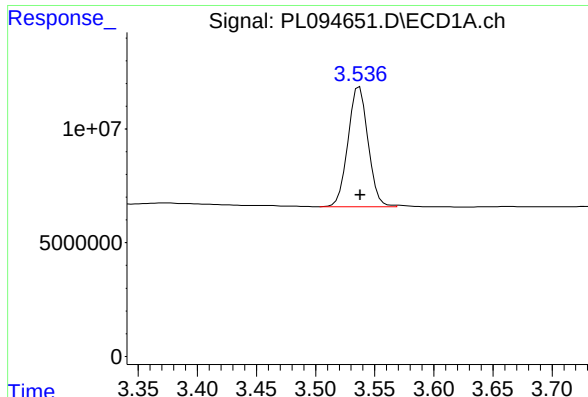
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/13/2025
Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:36:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





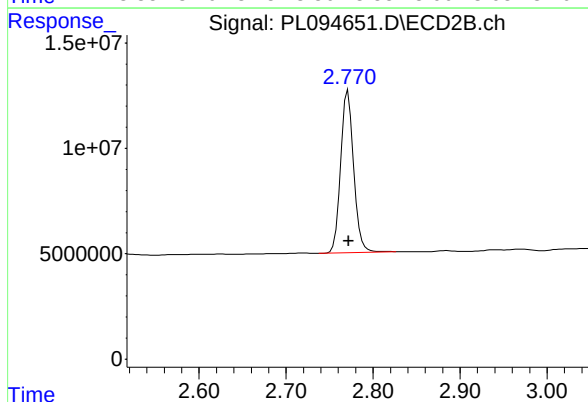
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 62398321
Conc: 22.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

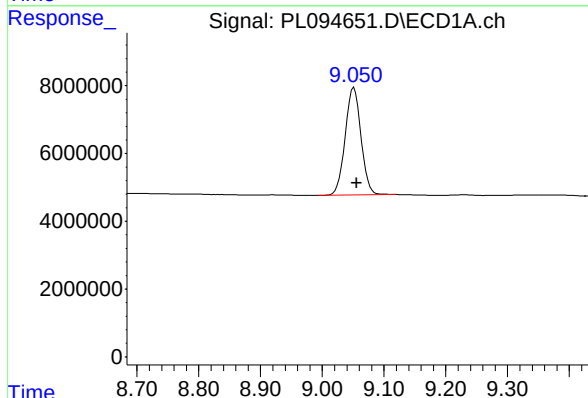
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



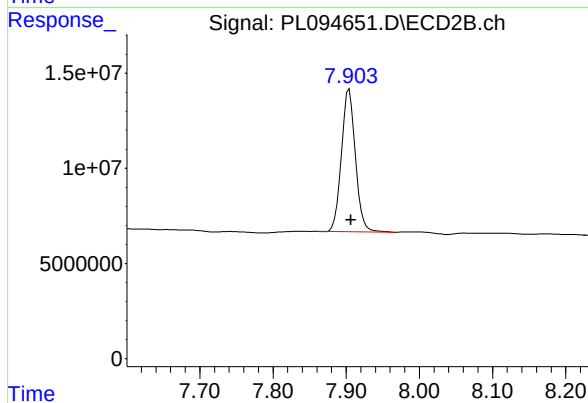
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 79952675
Conc: 22.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.004 min
Response: 56386976
Conc: 26.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 99481802
Conc: 24.63 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/12/25
Client Sample ID:	PIBLK-PL094663.D	SDG No.:	Q1488
Lab Sample ID:	I.BLK-PL094663.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094663.D	1		03/12/25	PL031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	28.3		30 (43) - 150 (140)	141%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.4		30 (77) - 150 (126)	117%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094663.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 22:09
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/13/2025
 Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:39:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	65778299	83562705	23.238m	23.412
28) SA Decachlor...	9.050	7.903	59559602	106.7E6	28.261	26.419

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094663.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 22:09
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

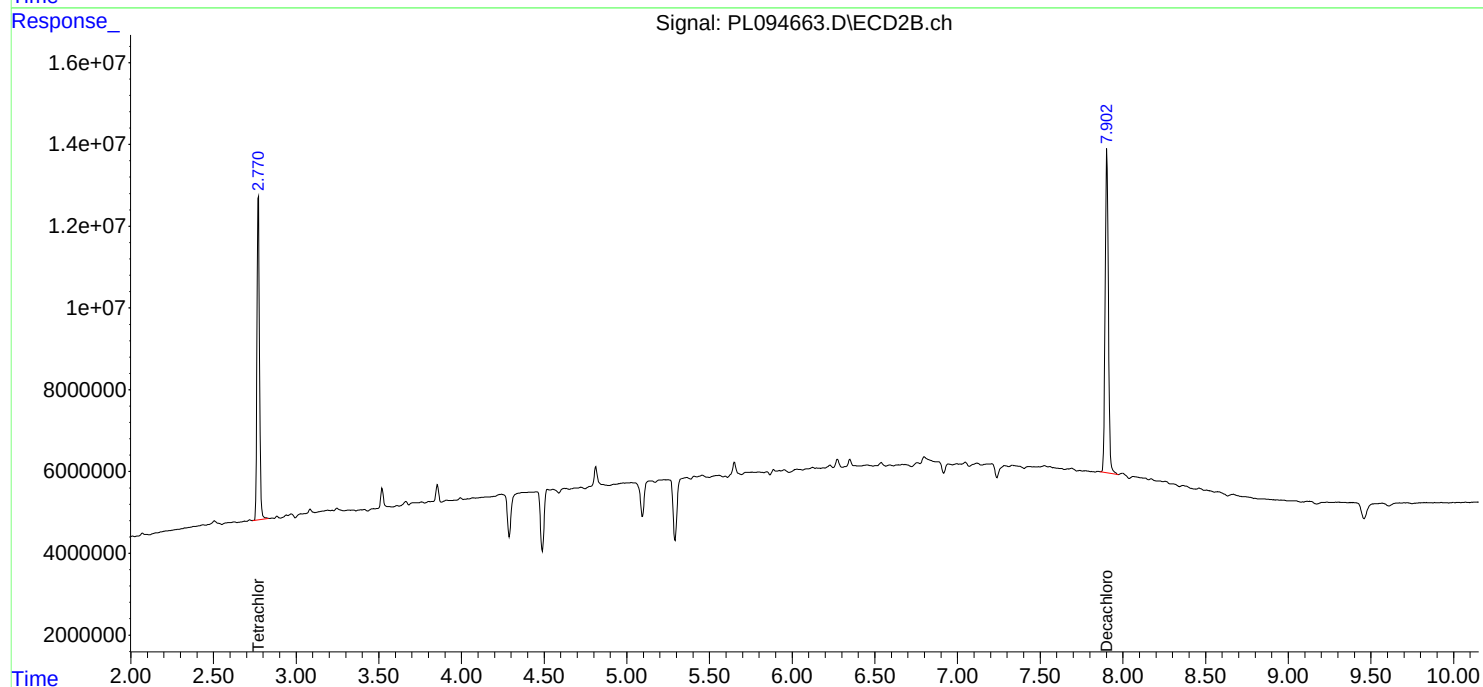
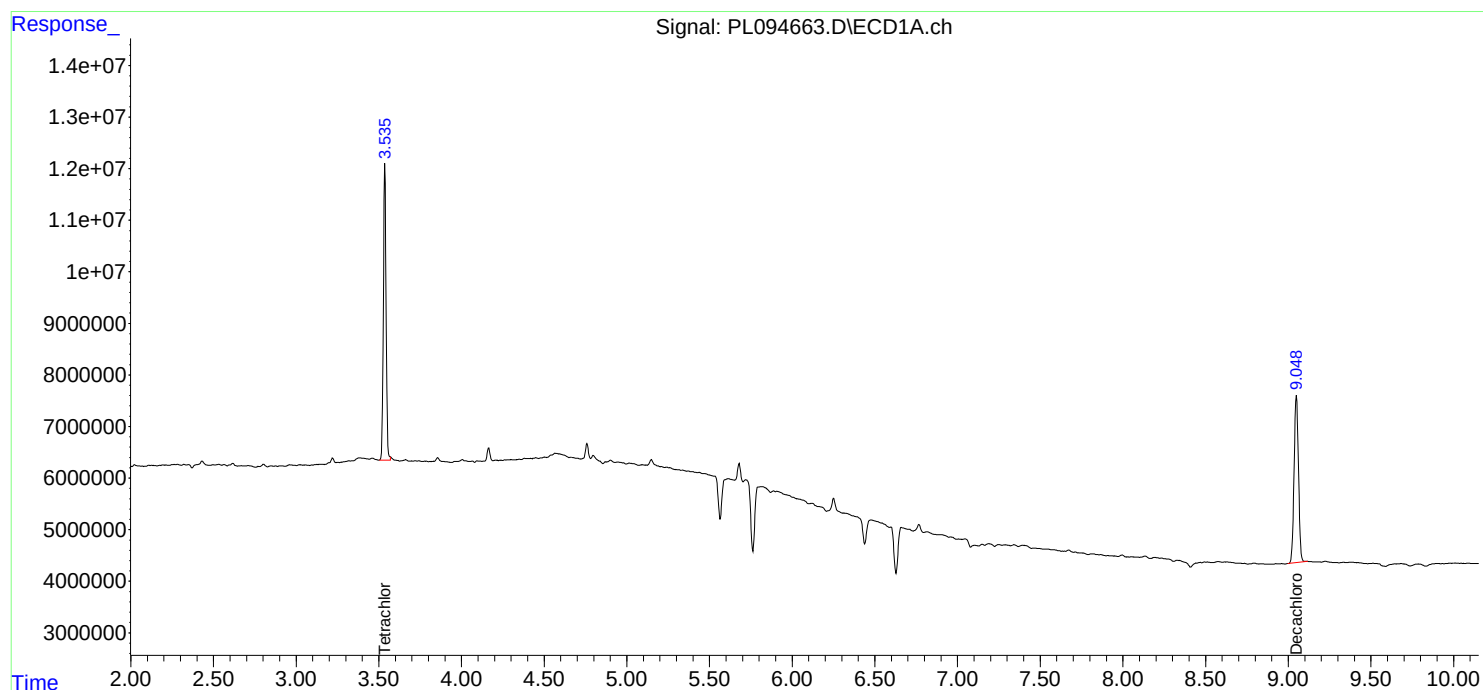
Instrument :
ECD_L
ClientSampleId :
I.BLK

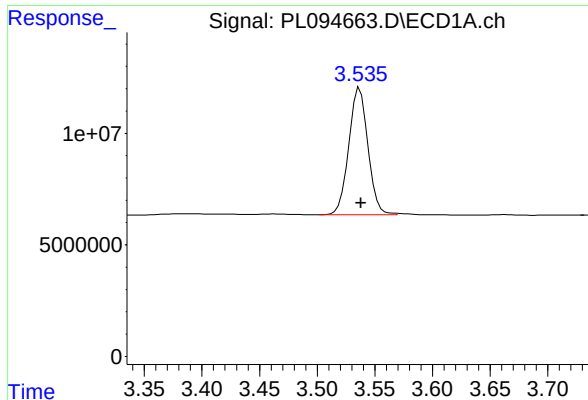
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/13/2025
Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:39:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





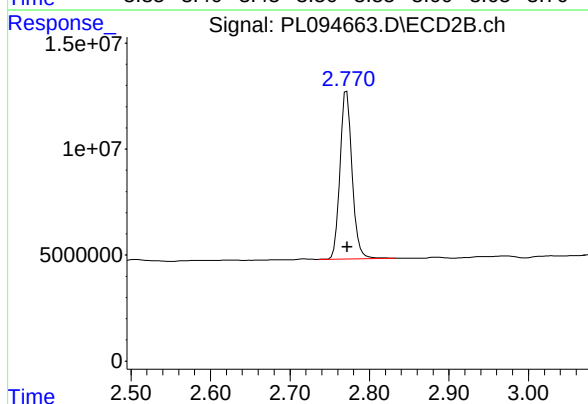
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 65778299
Conc: 23.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

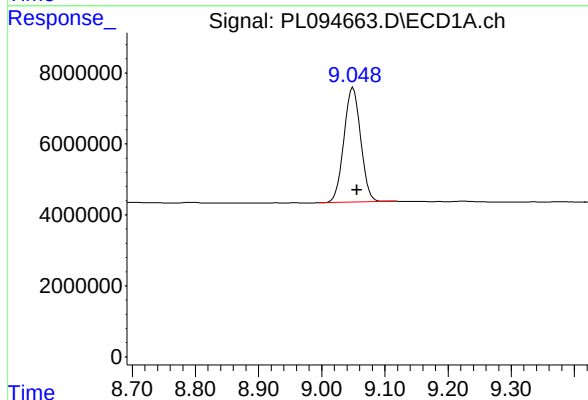
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



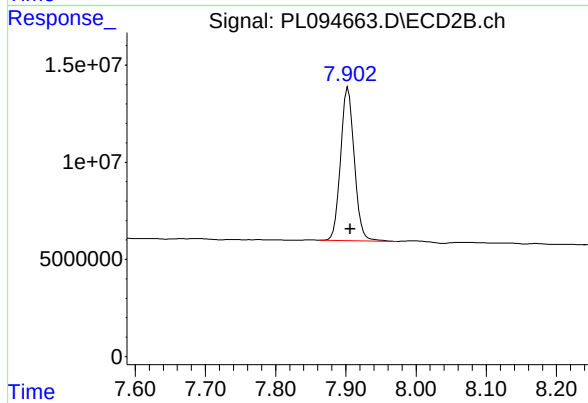
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 83562705
Conc: 23.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.006 min
Response: 59559602
Conc: 28.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 106716132
Conc: 26.42 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/13/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/13/25
Client Sample ID:	PIBLK-PL094676.D	SDG No.:	Q1488
Lab Sample ID:	I.BLK-PL094676.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094676.D	1		03/13/25	PL031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.1		30 (43) - 150 (140)	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		30 (77) - 150 (126)	94%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
Data File : PL094676.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Mar 2025 15:12
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 13 15:31:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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	2.770	51518911	67413436	18.200	18.887
28)	SA Decachlor...	9.053	7.904	48575825	84800484	23.050	20.994

Target Compounds

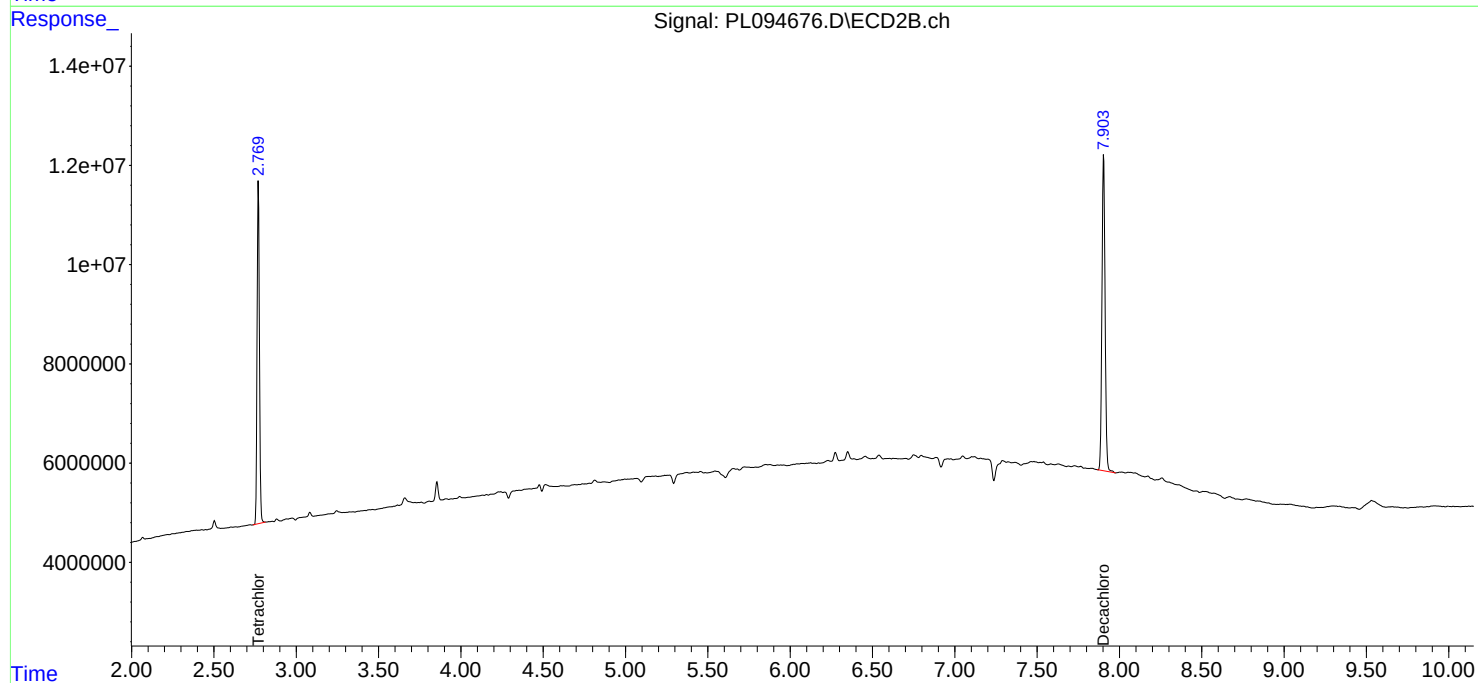
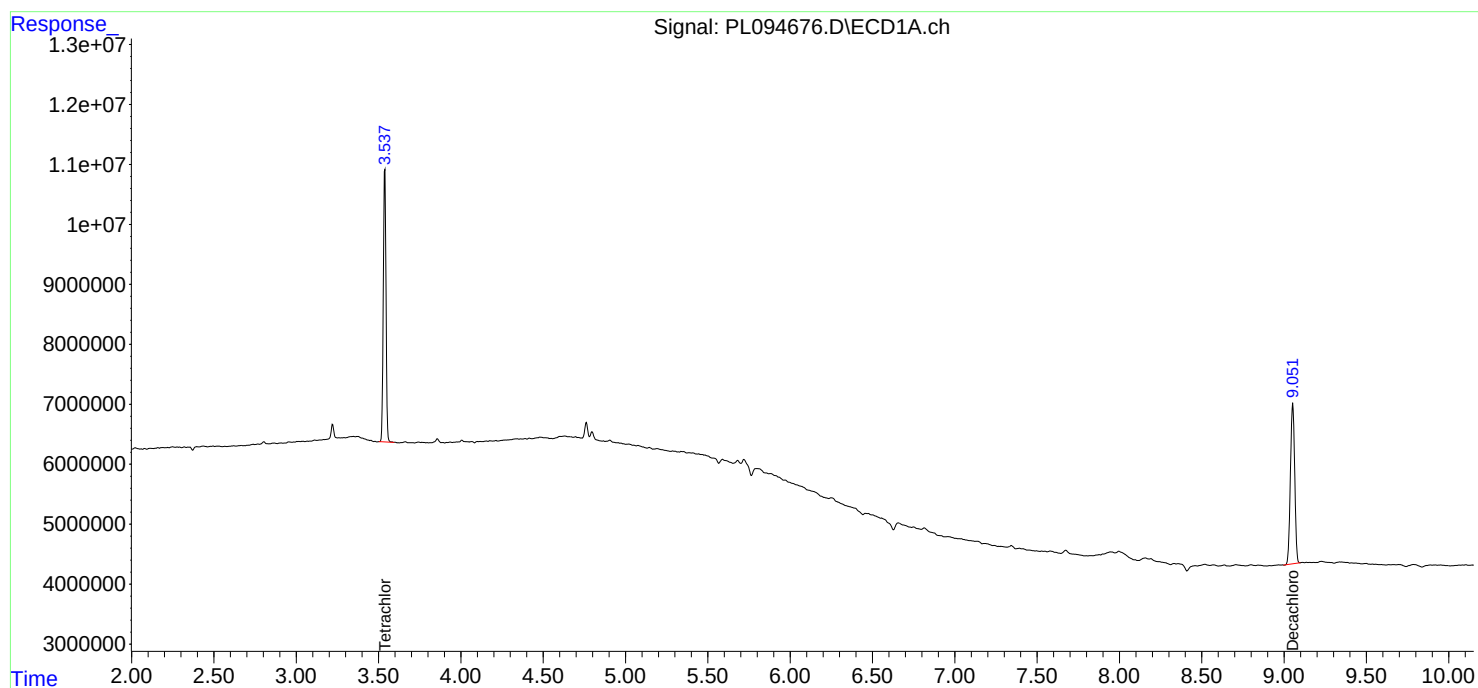
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

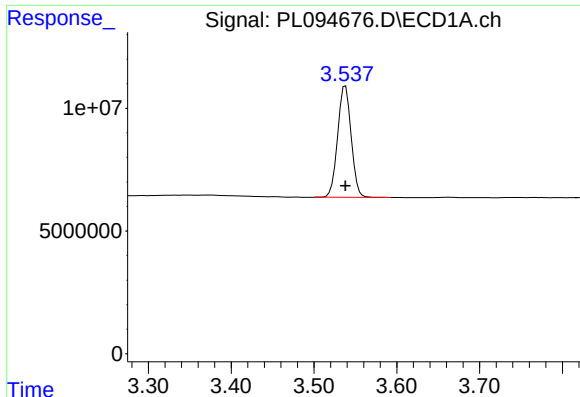
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
Data File : PL094676.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Mar 2025 15:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 15:31:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

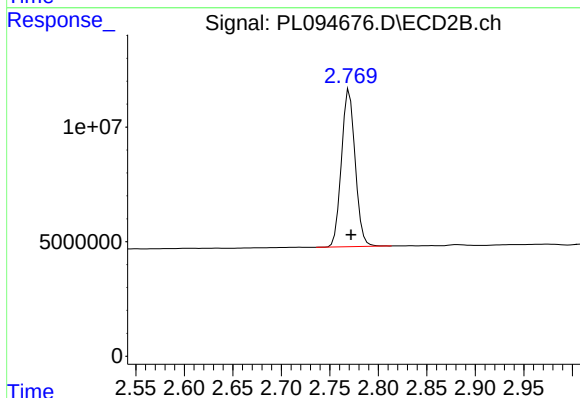




#1 Tetrachloro-m-xylene

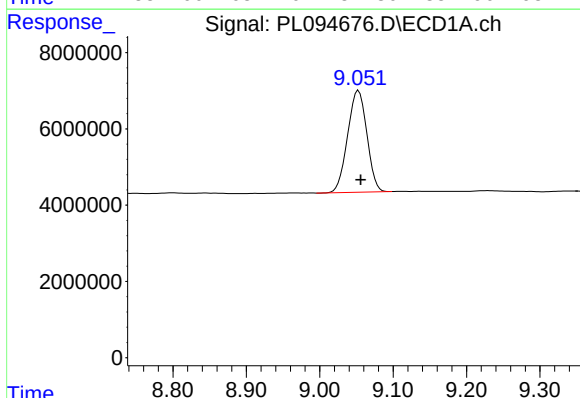
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 51518911
Conc: 18.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



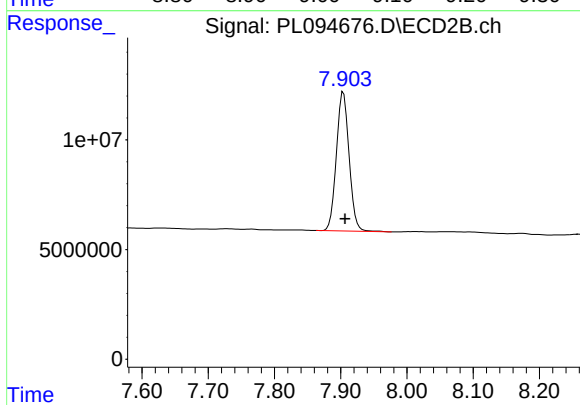
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 67413436
Conc: 18.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 48575825
Conc: 23.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 84800484
Conc: 20.99 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/13/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/13/25
Client Sample ID:	PIBLK-PL094694.D	SDG No.:	Q1488
Lab Sample ID:	I.BLK-PL094694.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094694.D	1		03/13/25	PL031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.5		30 (43) - 150 (140)	123%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		30 (77) - 150 (126)	97%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
Data File : PL094694.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Mar 2025 19:51
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 14 11:40:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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	54740067	68457359	19.338	19.180
28)	SA Decachlor...	9.048	7.902	51702058	90771363	24.533	22.472

Target Compounds

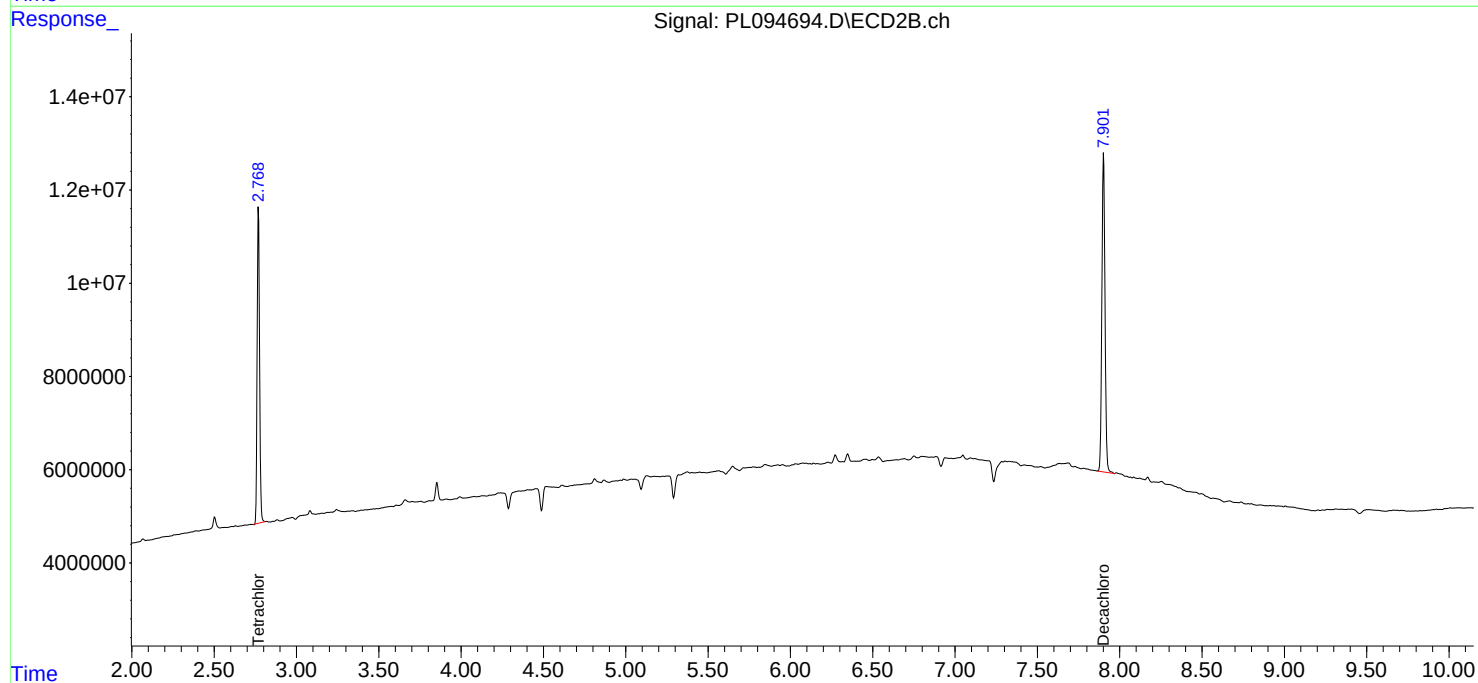
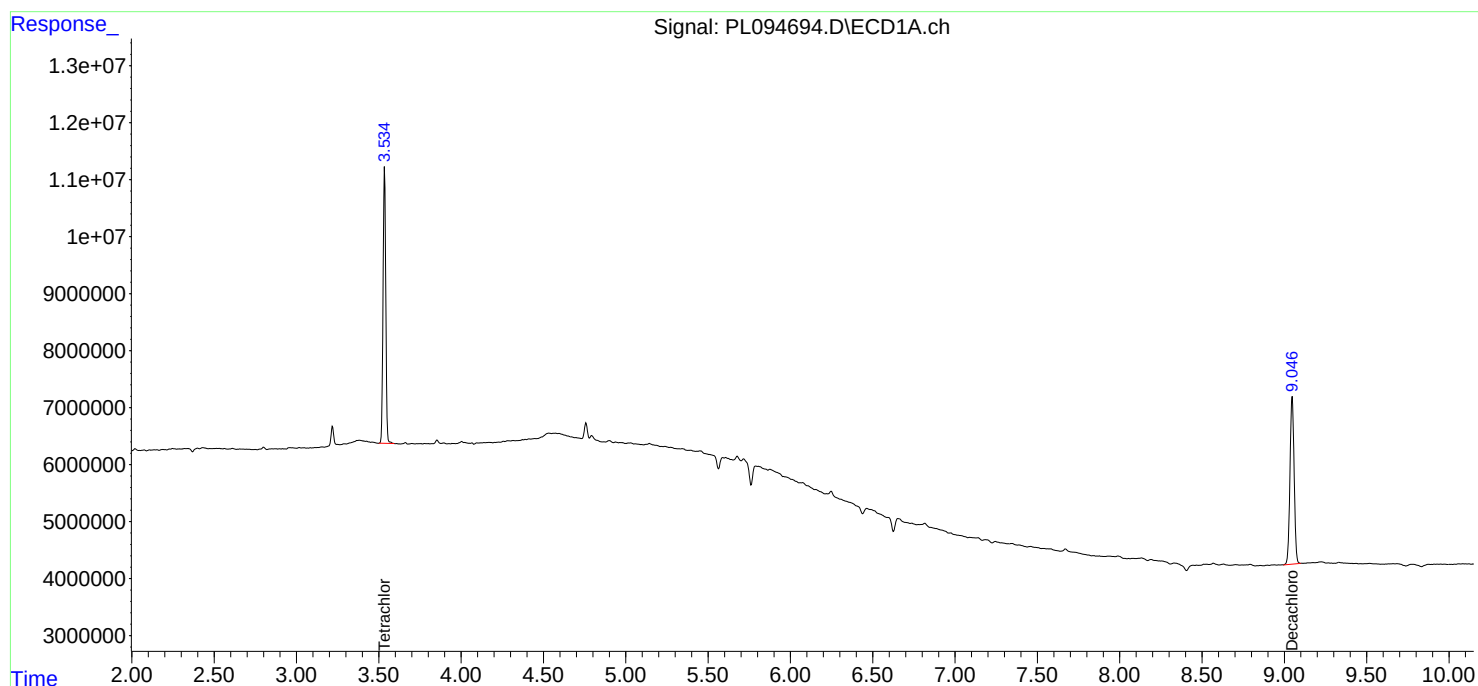
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

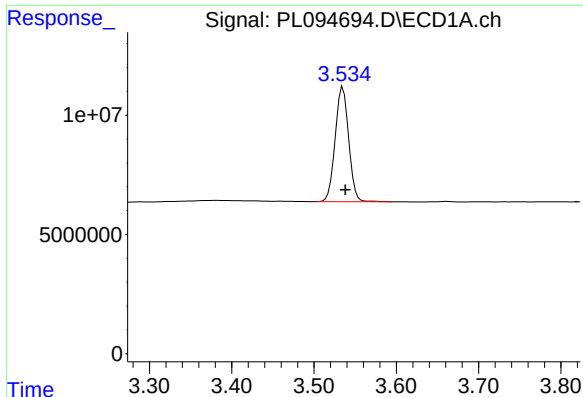
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
Data File : PL094694.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Mar 2025 19:51
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 14 11:40:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

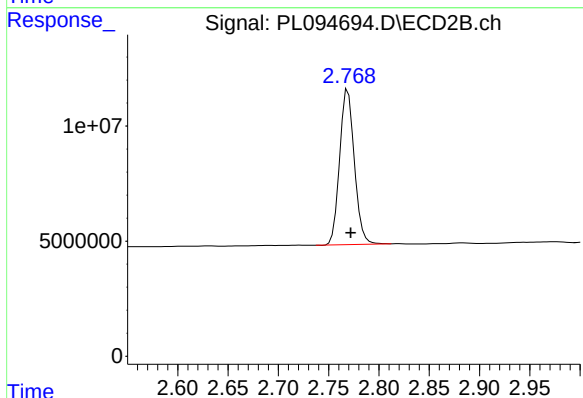




#1 Tetrachloro-m-xylene

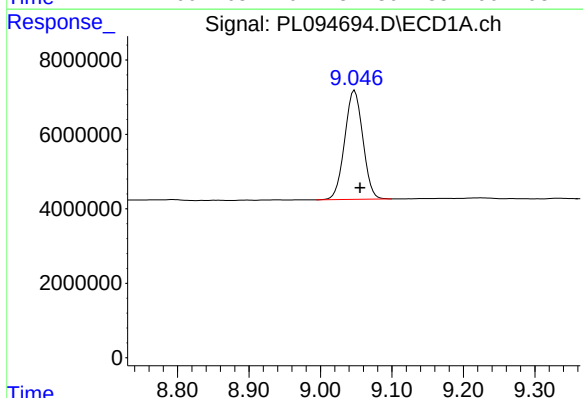
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 54740067
Conc: 19.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



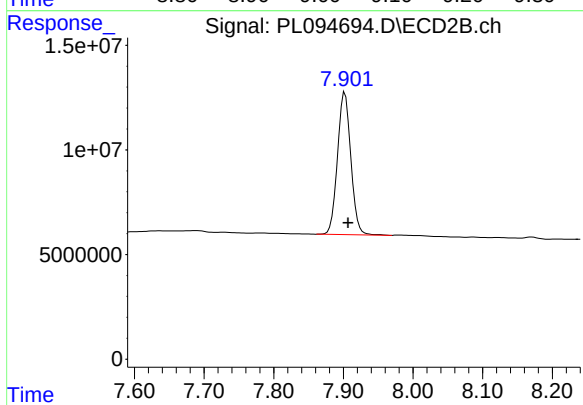
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 68457359
Conc: 19.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.048 min
Delta R.T.: -0.008 min
Response: 51702058
Conc: 24.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.005 min
Response: 90771363
Conc: 22.47 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167091BS	SDG No.:	Q1488
Lab Sample ID:	PB167091BS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094683.D	1	03/11/25 11:54	03/13/25 17:20	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.48		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.47		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.48		0.0096	0.050	ug/L
72-20-8	Endrin	0.49		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.53		0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.4		30 (43) - 150 (140)	122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		30 (77) - 150 (126)	104%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
 Data File : PL094683.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Mar 2025 17:20
 Operator : AR\AJ
 Sample : PB167091BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167091BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/14/2025
 Supervised By :mohammad ahmed 03/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 14 11:12:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	2.769	54396223	74071628	19.217	20.753
28)	SA Decachlor...	9.051	7.903	51398003	80936186	24.389	20.037
Target Compounds							
2)	A alpha-BHC	3.994	3.271	180.3E6	259.4E6	43.420	48.117
3)	MA gamma-BHC...	4.326	3.601	173.5E6	244.4E6	43.481	47.558
4)	MA Heptachlor	4.914	3.939	166.9E6	249.9E6	43.004	47.423
5)	MB Aldrin	5.255	4.218	159.0E6	231.6E6	43.073	47.498
6)	B beta-BHC	4.525	3.901	78708436	108.8E6	42.655	48.997
7)	B delta-BHC	4.772	4.130	179.7E6	245.7E6	46.133	49.128
8)	B Heptachlo...	5.682	4.721	148.7E6	221.0E6	44.447	48.270
9)	A Endosulfan I	6.067	5.090	137.2E6	210.7E6	44.680	48.015
10)	B gamma-Chl...	5.938	4.971	149.5E6	233.1E6	44.360	48.283
11)	B alpha-Chl...	6.017	5.034	146.7E6	229.3E6	44.483	48.047
12)	B 4,4'-DDE	6.191	5.221	142.5E6	233.9E6	48.434	50.325m
13)	MA Dieldrin	6.342	5.354	144.7E6	236.6E6	45.247	48.757
14)	MA Endrin	6.572	5.630	125.9E6	214.6E6	45.426	49.180
15)	B Endosulfa...	6.792	5.925	127.6E6	208.9E6	47.013	48.257
16)	A 4,4'-DDD	6.709	5.778	111.5E6	185.4E6	51.488	51.563
17)	MA 4,4'-DDT	7.022	6.028	118.6E6	206.1E6	49.879	51.120
18)	B Endrin al...	6.923	6.104	99371539	163.6E6	47.073	48.602
19)	B Endosulfa...	7.156	6.327	117.2E6	204.8E6	48.177	50.278
20)	A Methoxychlor	7.498	6.603	63553076	109.1E6	53.090	51.416
21)	B Endrin ke...	7.642	6.831	132.5E6	235.1E6	50.145	49.253m
22)	Mirex	8.114	7.010	98074894	173.2E6	47.464	45.642m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
Data File : PL094683.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Mar 2025 17:20
Operator : AR\AJ
Sample : PB167091BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167091BS

Manual Integrations

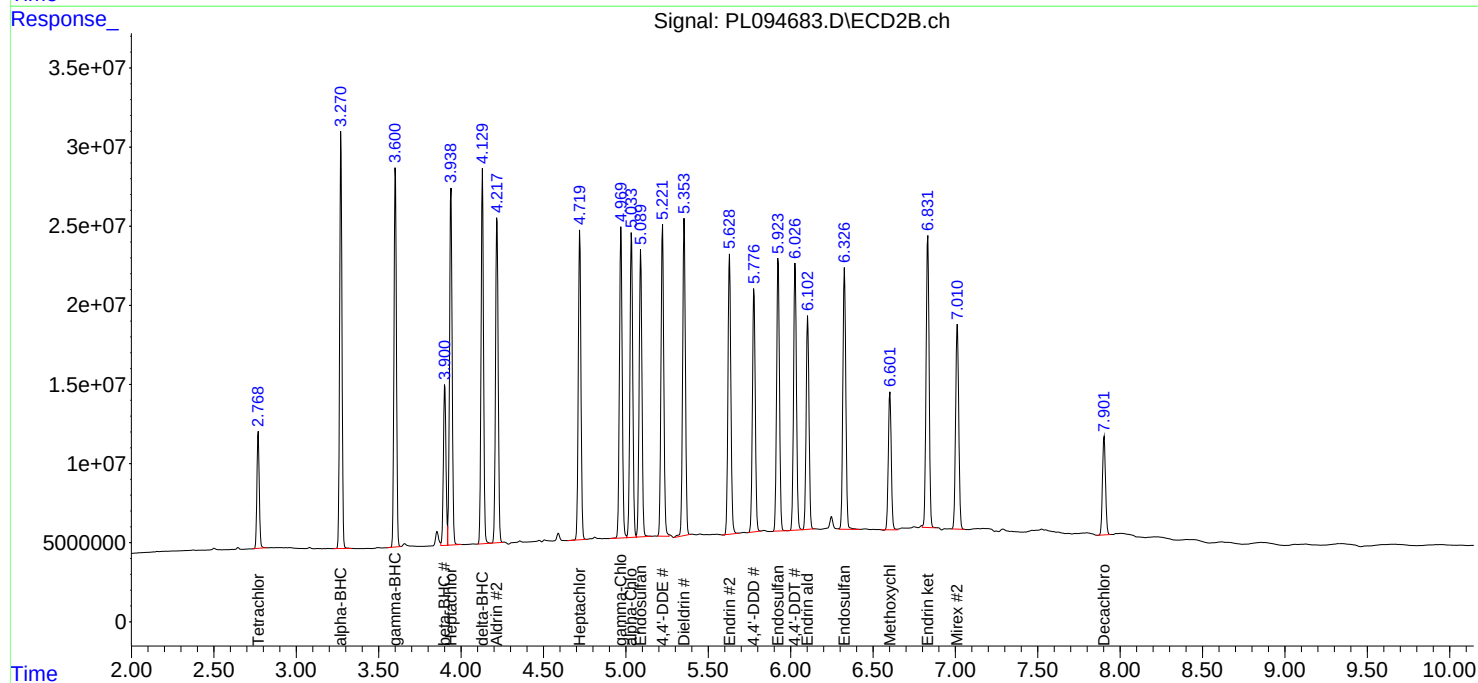
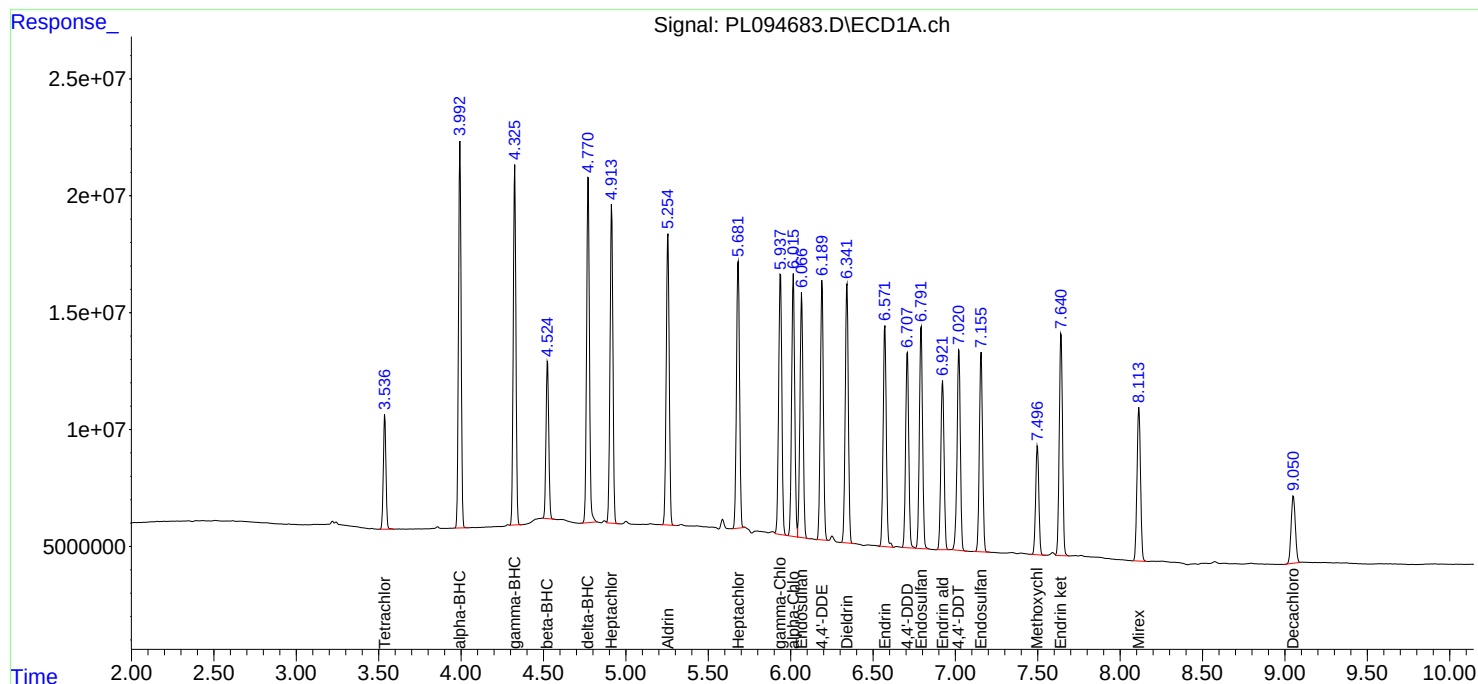
APPROVED

Reviewed By :Yogesh Patel 03/14/2025

Supervised By :mohammad ahmed 03/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 14 11:12:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MS	SDG No.:	Q1488
Lab Sample ID:	Q1488-02MS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094648.D	1	03/11/25 11:54	03/12/25 18:29	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	7.40		0.037	0.50	ug/L
76-44-8	Heptachlor	5.40		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.60		0.096	0.50	ug/L
72-20-8	Endrin	5.80		0.032	0.50	ug/L
72-43-5	Methoxychlor	5.70		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	27.9		30 (43) - 150 (140)	139%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		30 (77) - 150 (126)	108%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094648.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 18:29
 Operator : AR\AJ
 Sample : Q1488-02MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ENV-101-SB01MS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/13/2025
 Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:35:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	58418796	76941111	20.638	21.557
28) SA Decachlor...	9.051	7.904	58727746	108.4E6	27.867	26.831
Target Compounds						
2) A alpha-BHC	3.993	3.272	220.4E6	303.6E6	53.082	56.319m
3) MA gamma-BHC...	4.324	3.603	294.5E6	339.4E6	73.803m	66.045
4) MA Heptachlor	4.913	3.941	200.3E6	282.3E6	51.590	53.577
5) MB Aldrin	5.254	4.219	190.5E6	271.2E6	51.597	55.620
6) B beta-BHC	4.524	3.903	93685857	127.7E6	50.772	57.479
7) B delta-BHC	4.770	4.131	244.1E6	295.2E6	62.678	59.008
8) B Heptachlo...	5.681	4.722	178.0E6	257.8E6	53.214	56.312
9) A Endosulfan I	6.066	5.092	162.4E6	246.5E6	52.884	56.176
10) B gamma-Chl...	5.937	4.972	176.7E6	270.2E6	52.453	55.967
11) B alpha-Chl...	6.016	5.035	174.3E6	265.0E6	52.855	55.531
12) B 4,4'-DDE	6.189	5.224	167.3E6	265.9E6	56.880	57.197
13) MA Dieldrin	6.342	5.356	177.9E6	276.1E6	55.619	56.902
14) MA Endrin	6.571	5.631	144.1E6	252.6E6	51.985	57.894
15) B Endosulfa...	6.791	5.926	152.5E6	249.6E6	56.189	57.675
16) A 4,4'-DDD	6.708	5.779	131.5E6	220.4E6	60.720	61.293
17) MA 4,4'-DDT	7.021	6.029	137.7E6	234.8E6	57.895	58.224
18) B Endrin al...	6.922	6.106	113.4E6	189.3E6	53.741	56.259
19) B Endosulfa...	7.156	6.328	138.9E6	242.5E6	57.100	59.533
20) A Methoxychlor	7.497	6.604	68590351	119.8E6	57.298	56.475
21) B Endrin ke...	7.641	6.833	156.0E6	287.5E6	59.025	60.234
22) Mirex	8.113	7.011	114.3E6	212.4E6	55.333	55.960m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094648.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 18:29
Operator : AR\AJ
Sample : Q1488-02MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ENV-101-SB01MS

Manual Integrations

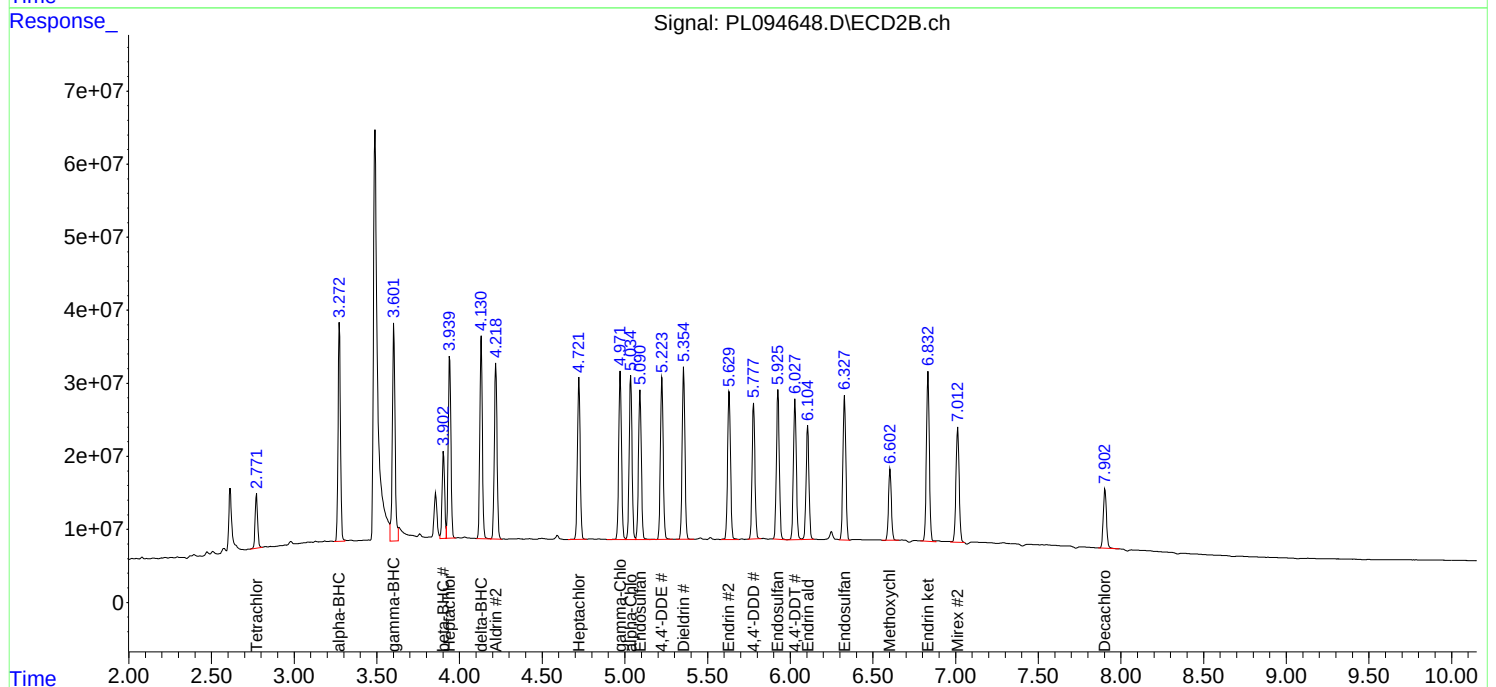
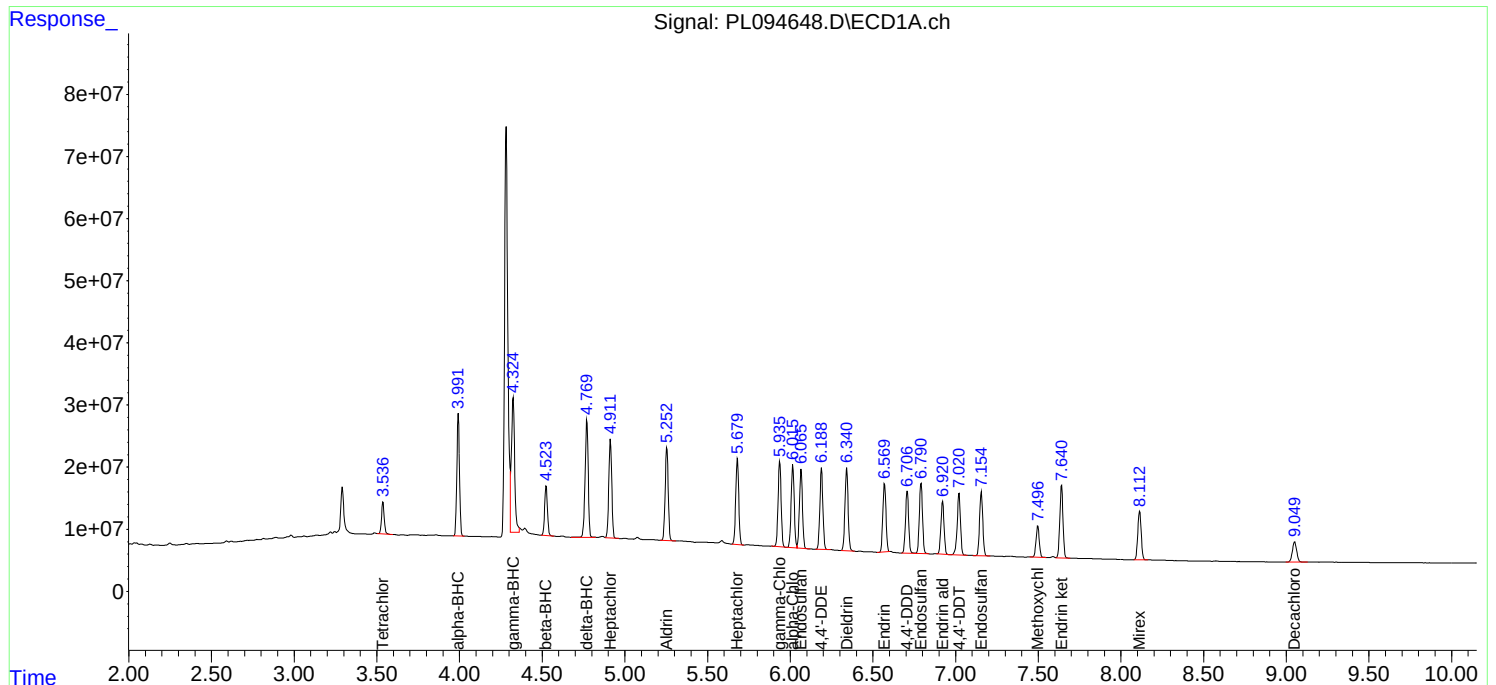
APPROVED

Reviewed By :Abdul Mirza 03/13/2025

Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:35:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MSD	SDG No.:	Q1488
Lab Sample ID:	Q1488-02MSD	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094649.D	1	03/11/25 11:54	03/12/25 18:42	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	7.30		0.037	0.50	ug/L
76-44-8	Heptachlor	5.40		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.60		0.096	0.50	ug/L
72-20-8	Endrin	5.80		0.032	0.50	ug/L
72-43-5	Methoxychlor	5.60		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	27.8		30 (43) - 150 (140)	139%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		30 (77) - 150 (126)	109%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094649.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 18:42
 Operator : AR\AJ
 Sample : Q1488-02MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ENV-101-SB01MSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 03/14/2025

Supervised By :mohammad ahmed 03/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:36:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	59099118	77716626	20.878	21.774
28)	SA Decachlor...	9.051	7.903	58639076	107.7E6	27.825	26.665
Target Compounds							
2)	A alpha-BHC	3.993	3.273	220.9E6	309.2E6	53.193	57.360
3)	MA gamma-BHC...	4.323	3.601	289.7E6	344.4E6	72.591m	67.002m
4)	MA Heptachlor	4.912	3.940	197.4E6	283.3E6	50.851	53.773
5)	MB Aldrin	5.254	4.219	186.9E6	272.3E6	50.611	55.840
6)	B beta-BHC	4.524	3.903	93228879	127.5E6	50.525	57.389
7)	B delta-BHC	4.770	4.131	233.3E6	295.5E6	59.911	59.079
8)	B Heptachlo...	5.681	4.722	175.3E6	258.2E6	52.410	56.384
9)	A Endosulfan I	6.066	5.092	159.7E6	246.8E6	52.024	56.224
10)	B gamma-Chl...	5.937	4.972	174.8E6	271.1E6	51.864	56.138
11)	B alpha-Chl...	6.016	5.036	171.9E6	265.6E6	52.126	55.655
12)	B 4,4'-DDE	6.190	5.224	166.7E6	265.7E6	56.654	57.148
13)	MA Dieldrin	6.341	5.356	173.7E6	275.6E6	54.311	56.800
14)	MA Endrin	6.570	5.631	144.4E6	252.6E6	52.094m	57.895
15)	B Endosulfa...	6.791	5.926	149.2E6	249.7E6	54.959	57.684
16)	A 4,4'-DDD	6.707	5.779	128.7E6	220.7E6	59.422	61.386
17)	MA 4,4'-DDT	7.021	6.029	135.8E6	233.4E6	57.099	57.874
18)	B Endrin al...	6.921	6.105	112.4E6	188.8E6	53.249	56.104
19)	B Endosulfa...	7.157	6.328	136.8E6	242.1E6	56.264	59.432
20)	A Methoxychlor	7.498	6.604	67588959	119.3E6	56.462	56.234
21)	B Endrin ke...	7.641	6.833	154.6E6	286.0E6	58.482	59.917
22)	Mirex	8.113	7.013	113.6E6	212.5E6	54.973	55.986

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094649.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 18:42
Operator : AR\AJ
Sample : Q1488-02MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

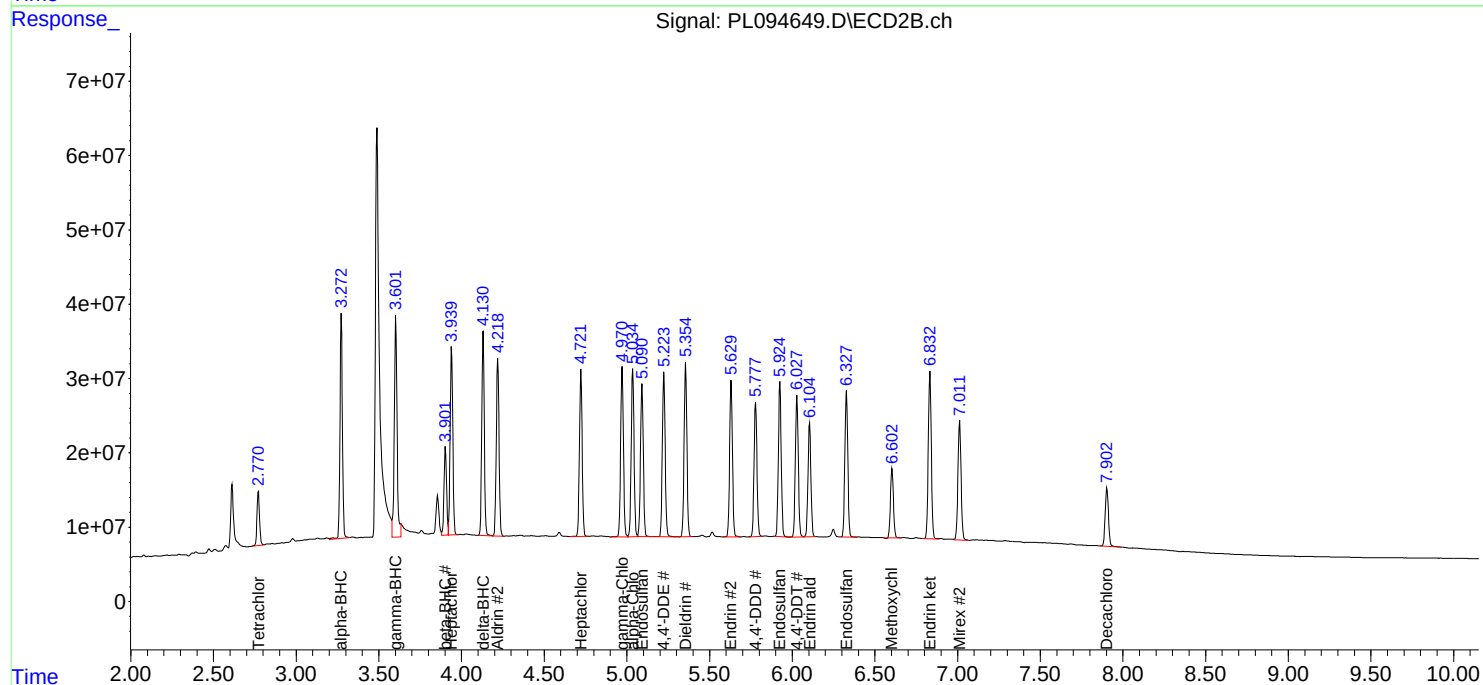
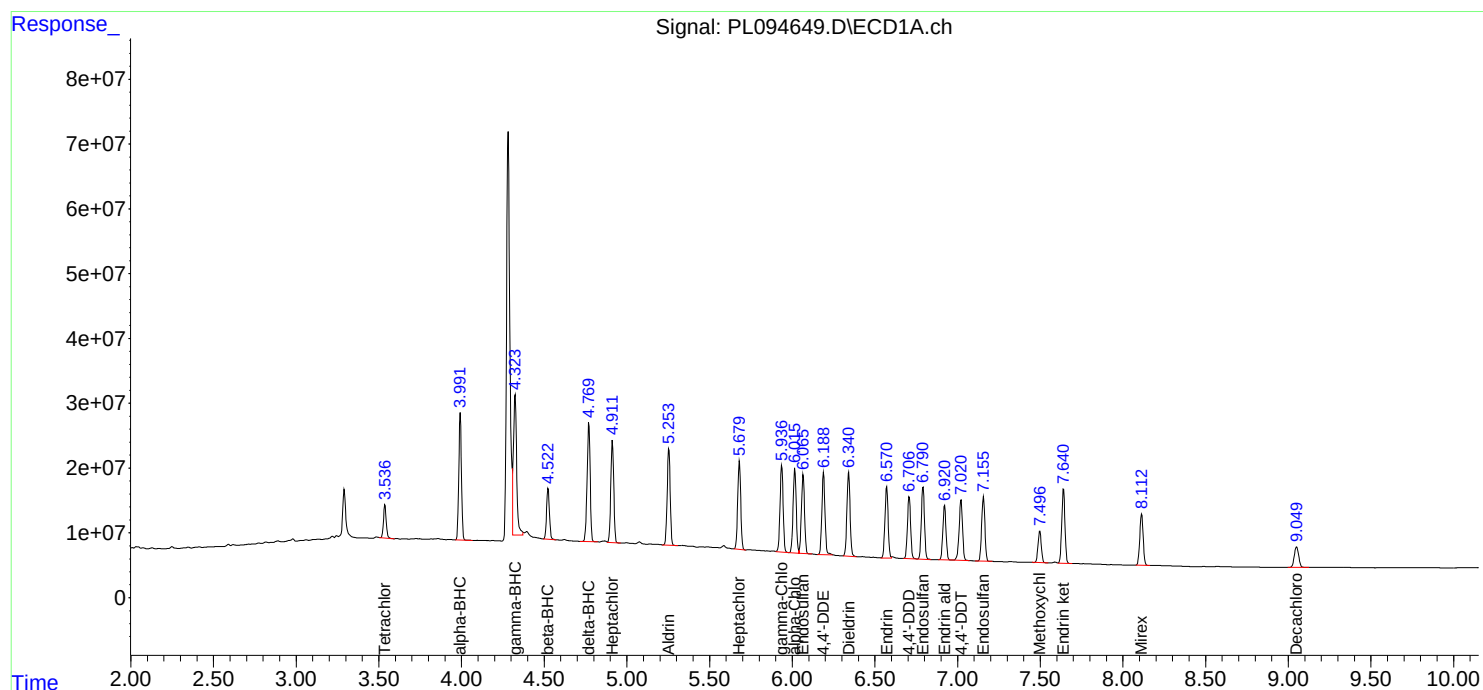
Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/14/2025
Supervised By :mohammad ahmed 03/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:36:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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:

PL031125

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094567.D	4,4"-DDD	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	4,4"-DDD #2	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	Endrin aldehyde	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	Endrin ketone	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	Endrin ketone #2	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
RESCHK	PL094568.D	gamma-Chlordane #2	Abdul	3/12/2025 12:46:05 PM	Ankita	3/12/2025 2:34:09	Peak Integrated by Software
PSTDICC100	PL094569.D	Methoxychlor	Abdul	3/12/2025 12:46:08 PM	Ankita	3/12/2025 2:34:10	Peak Integrated by Software
PSTDICC100	PL094569.D	Mirex	Abdul	3/12/2025 12:46:08 PM	Ankita	3/12/2025 2:34:10	Peak Integrated by Software
PSTDICC075	PL094570.D	Mirex	Abdul	3/12/2025 12:46:12 PM	Ankita	3/12/2025 2:34:12	Peak Integrated by Software
PSTDICC005	PL094573.D	4,4"-DDE #2	Abdul	3/12/2025 12:46:16 PM	Ankita	3/12/2025 2:34:14	Peak Integrated by Software
PSTDICC005	PL094573.D	Dieldrin #2	Abdul	3/12/2025 12:46:16 PM	Ankita	3/12/2025 2:34:14	Peak Integrated by Software
PSTDICC005	PL094573.D	Endrin ketone #2	Abdul	3/12/2025 12:46:16 PM	Ankita	3/12/2025 2:34:14	Peak Integrated by Software
PEM	PL094588.D	4,4"-DDD	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094588.D	4,4"-DDE	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	4,4"-DDE #2	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Endrin	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Endrin aldehyde	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Endrin ketone	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Methoxychlor #2	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PSTDCCC050	PL094589.D	4,4"-DDE #2	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	Dieldrin #2	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	Endrin	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	Endrin #2	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094598.D	4,4"-DDE	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094598.D	Endrin	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software
PSTDCCC050	PL094598.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software
PSTDCCC050	PL094598.D	Heptachlor epoxide #2	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software
PEM	PL094606.D	4,4"-DDD	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	4,4"-DDE	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	4,4"-DDE #2	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin #2	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin aldehyde	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin ketone #2	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PSTDCCC050	PL094607.D	4,4"-DDE #2	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094607.D	Dieldrin #2	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094607.D	Endrin	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software

Manual Integration Report

Sequence:

PL031125

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094607.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094618.D	4,4"-DDD	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	4,4"-DDE #2	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	Dieldrin #2	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	Endosulfan I #2	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	Endrin	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031225	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094621.D	4,4"-DDD	Abdul	3/13/2025 8:32:01 AM	Ankita	3/13/2025 11:41:55	Peak Integrated by Software
PEM	PL094621.D	4,4"-DDE	Abdul	3/13/2025 8:32:01 AM	Ankita	3/13/2025 11:41:55	Peak Integrated by Software
PEM	PL094621.D	4,4"-DDE #2	Abdul	3/13/2025 8:32:01 AM	Ankita	3/13/2025 11:41:55	Peak Integrated by Software
PEM	PL094621.D	Endrin	Abdul	3/13/2025 8:32:01 AM	Ankita	3/13/2025 11:41:55	Peak Integrated by Software
PEM	PL094621.D	Endrin aldehyde	Abdul	3/13/2025 8:32:01 AM	Ankita	3/13/2025 11:41:55	Peak Integrated by Software
PSTDCCC050	PL094622.D	4,4"-DDE	Abdul	3/13/2025 8:32:05 AM	Ankita	3/13/2025 11:41:57	Peak Integrated by Software
PSTDCCC050	PL094622.D	4,4"-DDE #2	Abdul	3/13/2025 8:32:05 AM	Ankita	3/13/2025 11:41:57	Peak Integrated by Software
PSTDCCC050	PL094622.D	Dieldrin	Abdul	3/13/2025 8:32:05 AM	Ankita	3/13/2025 11:41:57	Peak Integrated by Software
PSTDCCC050	PL094622.D	Endrin	Abdul	3/13/2025 8:32:05 AM	Ankita	3/13/2025 11:41:57	Peak Integrated by Software
PSTDCCC050	PL094629.D	4,4"-DDD	Abdul	3/13/2025 8:32:27 AM	Ankita	3/13/2025 11:42:24	Peak Integrated by Software
PSTDCCC050	PL094629.D	4,4"-DDE #2	Abdul	3/13/2025 8:32:27 AM	Ankita	3/13/2025 11:42:24	Peak Integrated by Software
PSTDCCC050	PL094629.D	Dieldrin #2	Abdul	3/13/2025 8:32:27 AM	Ankita	3/13/2025 11:42:24	Peak Integrated by Software
PSTDCCC050	PL094629.D	Endosulfan II	Abdul	3/13/2025 8:32:27 AM	Ankita	3/13/2025 11:42:24	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031225	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094629.D	Endrin	Abdul	3/13/2025 8:32:27 AM	Ankita	3/13/2025 11:42:24	Peak Integrated by Software
PSTDCCC050	PL094629.D	gamma-BHC (Lindane)	Abdul	3/13/2025 8:32:27 AM	Ankita	3/13/2025 11:42:24	Peak Integrated by Software
PSTDCCC050	PL094629.D	gamma-BHC (Lindane) #2	Abdul	3/13/2025 8:32:27 AM	Ankita	3/13/2025 11:42:24	Peak Integrated by Software
PSTDCCC050	PL094629.D	gamma-Chlordane	Abdul	3/13/2025 8:32:27 AM	Ankita	3/13/2025 11:42:24	Peak Integrated by Software
PSTDCCC050	PL094629.D	Heptachlor epoxide	Abdul	3/13/2025 8:32:27 AM	Ankita	3/13/2025 11:42:24	Peak Integrated by Software
PCHLORCCC500	PL094630.D	Chlordane-2	Abdul	3/13/2025 8:32:31 AM	Ankita	3/13/2025 11:42:26	Peak Integrated by Software
PCHLORCCC500	PL094630.D	Chlordane-3	Abdul	3/13/2025 8:32:31 AM	Ankita	3/13/2025 11:42:26	Peak Integrated by Software
PCHLORCCC500	PL094630.D	Chlordane-4	Abdul	3/13/2025 8:32:31 AM	Ankita	3/13/2025 11:42:26	Peak Integrated by Software
PSTDCCC050	PL094640.D	4,4"-DDE #2	Abdul	3/13/2025 8:32:54 AM	Ankita	3/13/2025 11:42:35	Peak Integrated by Software
PSTDCCC050	PL094640.D	Dieldrin #2	Abdul	3/13/2025 8:32:54 AM	Ankita	3/13/2025 11:42:35	Peak Integrated by Software
PSTDCCC050	PL094640.D	Endrin	Abdul	3/13/2025 8:32:54 AM	Ankita	3/13/2025 11:42:35	Peak Integrated by Software
PCHLORCCC500	PL094641.D	Chlordane-2	Abdul	3/13/2025 8:32:58 AM	Ankita	3/13/2025 11:42:37	Peak Integrated by Software
PCHLORCCC500	PL094641.D	Chlordane-5	Abdul	3/13/2025 8:32:58 AM	Ankita	3/13/2025 11:42:37	Peak Integrated by Software

Manual Integration Report

Sequence:

PL031225

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PCHLORCCC500	PL094641.D	Chlordane-5 #2	Abdul	3/13/2025 8:32:58 AM	Ankita	3/13/2025 11:42:37	Peak Integrated by Software
PTOXCCC500	PL094642.D	Toxaphene-2	Abdul	3/13/2025 8:33:04 AM	Ankita	3/13/2025 11:42:38	Peak Integrated by Software
Q1488-02MS	PL094648.D	alpha-BHC #2	Abdul	3/13/2025 8:33:17 AM	Ankita	3/13/2025 11:43:02	Peak Integrated by Software
Q1488-02MS	PL094648.D	gamma-BHC (Lindane)	Abdul	3/13/2025 8:33:17 AM	Ankita	3/13/2025 11:43:02	Peak Integrated by Software
Q1488-02MS	PL094648.D	Mirex #2	Abdul	3/13/2025 8:33:17 AM	Ankita	3/13/2025 11:43:02	Peak Integrated by Software
Q1488-02MSD	PL094649.D	Endrin	yogesh	3/14/2025 3:47:22 PM	mohammad	3/18/2025 6:27:43	Peak Integrated by Software
Q1488-02MSD	PL094649.D	gamma-BHC (Lindane)	yogesh	3/14/2025 3:47:22 PM	mohammad	3/18/2025 6:27:43	Peak Integrated by Software
Q1488-02MSD	PL094649.D	gamma-BHC (Lindane) #2	yogesh	3/14/2025 3:47:22 PM	mohammad	3/18/2025 6:27:43	Peak Integrated by Software
Q1488-04	PL094650.D	Decachlorobiphenyl	Abdul	3/13/2025 8:33:27 AM	Ankita	3/13/2025 11:43:03	Peak Integrated by Software
Q1488-04	PL094650.D	Tetrachloro-m-xylene	Abdul	3/13/2025 8:33:27 AM	Ankita	3/13/2025 11:43:03	Peak Integrated by Software
I.BLK	PL094651.D	Tetrachloro-m-xylene	Abdul	3/13/2025 8:33:33 AM	Ankita	3/13/2025 11:43:05	Peak Integrated by Software
PEM	PL094652.D	4,4"-DDE	Abdul	3/13/2025 8:33:37 AM	Ankita	3/13/2025 11:43:06	Peak Integrated by Software
PEM	PL094652.D	4,4"-DDE #2	Abdul	3/13/2025 8:33:37 AM	Ankita	3/13/2025 11:43:06	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031225	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094652.D	Endrin	Abdul	3/13/2025 8:33:37 AM	Ankita	3/13/2025 11:43:06	Peak Integrated by Software
PEM	PL094652.D	Endrin ketone #2	Abdul	3/13/2025 8:33:37 AM	Ankita	3/13/2025 11:43:06	Peak Integrated by Software
PSTDCCC050	PL094653.D	4,4"-DDE #2	Abdul	3/13/2025 8:34:19 AM	Ankita	3/13/2025 11:43:08	Peak Integrated by Software
PSTDCCC050	PL094653.D	Dieldrin #2	Abdul	3/13/2025 8:34:19 AM	Ankita	3/13/2025 11:43:08	Peak Integrated by Software
PSTDCCC050	PL094653.D	Endrin	Abdul	3/13/2025 8:34:19 AM	Ankita	3/13/2025 11:43:08	Peak Integrated by Software
Q1488-06	PL094654.D	Tetrachloro-m-xylene	Abdul	3/13/2025 8:33:41 AM	Ankita	3/13/2025 11:43:10	Peak Integrated by Software
Q1488-06	PL094654.D	Tetrachloro-m-xylene #2	Abdul	3/13/2025 8:33:41 AM	Ankita	3/13/2025 11:43:10	Peak Integrated by Software
Q1488-08	PL094655.D	Tetrachloro-m-xylene	Abdul	3/13/2025 8:33:44 AM	Ankita	3/13/2025 11:43:12	Peak Integrated by Software
Q1488-08	PL094655.D	Tetrachloro-m-xylene #2	Abdul	3/13/2025 8:33:44 AM	Ankita	3/13/2025 11:43:12	Peak Integrated by Software
Q1488-10	PL094656.D	Tetrachloro-m-xylene	Abdul	3/13/2025 8:33:49 AM	Ankita	3/13/2025 11:43:13	Peak Integrated by Software
I.BLK	PL094663.D	Tetrachloro-m-xylene	Abdul	3/13/2025 8:33:58 AM	Ankita	3/13/2025 11:43:17	Peak Integrated by Software
PSTDCCC050	PL094664.D	4,4"-DDE #2	Abdul	3/13/2025 8:31:20 AM	Ankita	3/13/2025 11:43:18	Peak Integrated by Software
PSTDCCC050	PL094664.D	Dieldrin #2	Abdul	3/13/2025 8:31:20 AM	Ankita	3/13/2025 11:43:18	Peak Integrated by Software

Manual Integration Report

Sequence:

PL031225

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094664.D	Endosulfan I #2	Abdul	3/13/2025 8:31:20 AM	Ankita	3/13/2025 11:43:18	Peak Integrated by Software
PSTDCCC050	PL094664.D	Endrin	Abdul	3/13/2025 8:31:20 AM	Ankita	3/13/2025 11:43:18	Peak Integrated by Software
PSTDCCC050	PL094664.D	Endrin ketone #2	Abdul	3/13/2025 8:31:20 AM	Ankita	3/13/2025 11:43:18	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031325	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094667.D	4,4"-DDD	yogesh	3/14/2025 3:46:19 PM	mohammad	3/18/2025 5:07:31	Peak Integrated by Software
PEM	PL094667.D	4,4"-DDD #2	yogesh	3/14/2025 3:46:19 PM	mohammad	3/18/2025 5:07:31	Peak Integrated by Software
PEM	PL094667.D	Endrin aldehyde	yogesh	3/14/2025 3:46:19 PM	mohammad	3/18/2025 5:07:31	Peak Integrated by Software
PSTDCCC050	PL094668.D	Decachlorobiphenyl	yogesh	3/14/2025 3:46:21 PM	mohammad	3/18/2025 5:07:35	Peak Integrated by Software
PSTDCCC050	PL094668.D	Endrin ketone #2	yogesh	3/14/2025 3:46:21 PM	mohammad	3/18/2025 5:07:35	Peak Integrated by Software
PSTDCCC050	PL094677.D	Mirex #2	yogesh	3/14/2025 3:46:30 PM	mohammad	3/18/2025 5:07:54	Peak Integrated by Software
PB167091BS	PL094683.D	4,4"-DDE #2	yogesh	3/14/2025 3:46:37 PM	mohammad	3/18/2025 5:08:13	Peak Integrated by Software
PB167091BS	PL094683.D	Endrin ketone #2	yogesh	3/14/2025 3:46:37 PM	mohammad	3/18/2025 5:08:13	Peak Integrated by Software
PB167091BS	PL094683.D	Mirex #2	yogesh	3/14/2025 3:46:37 PM	mohammad	3/18/2025 5:08:13	Peak Integrated by Software
PSTDCCC050	PL094695.D	4,4"-DDE #2	yogesh	3/14/2025 3:46:47 PM	mohammad	3/18/2025 5:08:42	Peak Integrated by Software
PSTDCCC050	PL094695.D	Dieldrin #2	yogesh	3/14/2025 3:46:47 PM	mohammad	3/18/2025 5:08:42	Peak Integrated by Software
PSTDCCC050	PL094695.D	Endrin	yogesh	3/14/2025 3:46:47 PM	mohammad	3/18/2025 5:08:42	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PL031325

Instrument

ECD_I

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL094565.D	11 Mar 2025 09:41	AR\AJ	Ok
2	I.BLK	PL094566.D	11 Mar 2025 09:55	AR\AJ	Ok
3	PEM	PL094567.D	11 Mar 2025 10:08	AR\AJ	Ok,M
4	RESCHK	PL094568.D	11 Mar 2025 10:22	AR\AJ	Ok,M
5	PSTDICC100	PL094569.D	11 Mar 2025 10:35	AR\AJ	Ok,M
6	PSTDICC075	PL094570.D	11 Mar 2025 10:49	AR\AJ	Ok,M
7	PSTDICC050	PL094571.D	11 Mar 2025 11:02	AR\AJ	Ok
8	PSTDICC025	PL094572.D	11 Mar 2025 11:16	AR\AJ	Ok
9	PSTDICC005	PL094573.D	11 Mar 2025 11:29	AR\AJ	Ok,M
10	PCHLORICC1000	PL094574.D	11 Mar 2025 11:43	AR\AJ	Ok
11	PCHLORICC750	PL094575.D	11 Mar 2025 11:57	AR\AJ	Ok
12	PCHLORICC500	PL094576.D	11 Mar 2025 12:10	AR\AJ	Ok
13	PCHLORICC250	PL094577.D	11 Mar 2025 12:24	AR\AJ	Ok
14	PCHLORICC050	PL094578.D	11 Mar 2025 12:37	AR\AJ	Ok,M
15	PTOXICC1000	PL094579.D	11 Mar 2025 12:51	AR\AJ	Ok
16	PTOXICC750	PL094580.D	11 Mar 2025 13:04	AR\AJ	Ok
17	PTOXICC500	PL094581.D	11 Mar 2025 13:18	AR\AJ	Ok
18	PTOXICC250	PL094582.D	11 Mar 2025 13:31	AR\AJ	Ok,M
19	PTOXICC100	PL094583.D	11 Mar 2025 13:45	AR\AJ	Ok,M
20	PSTDICV050	PL094584.D	11 Mar 2025 13:59	AR\AJ	Ok
21	PCHLORICV500	PL094585.D	11 Mar 2025 14:26	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL094586.D	11 Mar 2025 14:53	AR\AJ	Ok
23	I.BLK	PL094587.D	11 Mar 2025 17:16	AR\AJ	Ok
24	PEM	PL094588.D	11 Mar 2025 17:30	AR\AJ	Ok,M
25	PSTDCCC050	PL094589.D	11 Mar 2025 17:43	AR\AJ	Ok,M
26	PB167076BL	PL094590.D	11 Mar 2025 17:57	AR\AJ	Ok
27	PB167076BS	PL094591.D	11 Mar 2025 18:11	AR\AJ	Ok,M
28	PB167076BSD	PL094592.D	11 Mar 2025 18:44	AR\AJ	Ok,M
29	Q1494-01	PL094593.D	11 Mar 2025 18:57	AR\AJ	Not Ok
30	Q1502-11	PL094594.D	11 Mar 2025 19:11	AR\AJ	Not Ok
31	Q1502-09	PL094595.D	11 Mar 2025 19:25	AR\AJ	Dilution
32	Q1502-13	PL094596.D	11 Mar 2025 19:39	AR\AJ	Not Ok
33	I.BLK	PL094597.D	11 Mar 2025 19:52	AR\AJ	Ok
34	PSTDCCC050	PL094598.D	11 Mar 2025 20:06	AR\AJ	Ok,M
35	Q1539-01	PL094599.D	11 Mar 2025 20:33	AR\AJ	Ok,M
36	Q1539-02	PL094600.D	11 Mar 2025 20:47	AR\AJ	Ok,M
37	PB167086BL	PL094601.D	11 Mar 2025 21:01	AR\AJ	Ok
38	PB167086BS	PL094602.D	11 Mar 2025 21:14	AR\AJ	Not Ok
39	PB167087BL	PL094603.D	11 Mar 2025 21:28	AR\AJ	Ok
40	PB167087BS	PL094604.D	11 Mar 2025 21:42	AR\AJ	Not Ok
41	I.BLK	PL094605.D	11 Mar 2025 21:55	AR\AJ	Ok
42	PEM	PL094606.D	11 Mar 2025 22:09	AR\AJ	Ok,M
43	PSTDCCC050	PL094607.D	11 Mar 2025 22:23	AR\AJ	Ok,M
44	PB167077BL	PL094608.D	11 Mar 2025 22:50	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	PB167077BS	PL094609.D	11 Mar 2025 23:04	AR\AJ	Not Ok
46	Q1534-01	PL094610.D	11 Mar 2025 23:17	AR\AJ	Ok,M
47	Q1534-07	PL094611.D	11 Mar 2025 23:31	AR\AJ	Ok,M
48	Q1534-07MS	PL094612.D	11 Mar 2025 23:44	AR\AJ	Ok,M
49	Q1534-07MSD	PL094613.D	11 Mar 2025 23:58	AR\AJ	Ok,M
50	Q1534-13	PL094614.D	12 Mar 2025 00:11	AR\AJ	Dilution
51	Q1534-19	PL094615.D	12 Mar 2025 00:25	AR\AJ	Dilution
52	Q1535-01	PL094616.D	12 Mar 2025 00:39	AR\AJ	Ok,M
53	I.BLK	PL094617.D	12 Mar 2025 00:53	AR\AJ	Ok
54	PSTDCCC050	PL094618.D	12 Mar 2025 01:06	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031225

Review By	Abdul	Review On	3/13/2025 8:34:38 AM
Supervise By	Ankita	Supervise On	3/13/2025 11:43:34 AM
SubDirectory	PL031225	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL094619.D	12 Mar 2025 08:23	AR\AJ	Ok
2	I.BLK	PL094620.D	12 Mar 2025 08:37	AR\AJ	Ok
3	PEM	PL094621.D	12 Mar 2025 08:51	AR\AJ	Ok,M
4	PSTDCCC050	PL094622.D	12 Mar 2025 09:04	AR\AJ	Ok,M
5	Q1494-01	PL094623.D	12 Mar 2025 09:44	AR\AJ	Ok
6	PB167077BS	PL094624.D	12 Mar 2025 10:15	AR\AJ	Ok,M
7	Q1534-13DL	PL094625.D	12 Mar 2025 10:33	AR\AJ	Ok,M
8	Q1534-19DL	PL094626.D	12 Mar 2025 10:47	AR\AJ	Dilution
9	Q1534-19DL2	PL094627.D	12 Mar 2025 11:00	AR\AJ	Ok,M
10	I.BLK	PL094628.D	12 Mar 2025 11:14	AR\AJ	Ok
11	PSTDCCC050	PL094629.D	12 Mar 2025 11:37	AR\AJ	Ok,M
12	PCHLORCCC500	PL094630.D	12 Mar 2025 12:06	AR\AJ	Ok,M
13	PTOXCCC500	PL094631.D	12 Mar 2025 12:34	AR\AJ	Ok
14	PB167086BS	PL094632.D	12 Mar 2025 13:17	AR\AJ	Ok,M
15	PB167087BS	PL094633.D	12 Mar 2025 13:50	AR\AJ	Ok
16	Q1502-11	PL094634.D	12 Mar 2025 14:12	AR\AJ	Ok,M
17	Q1502-09DL	PL094635.D	12 Mar 2025 14:26	AR\AJ	Dilution
18	Q1502-09DL2	PL094636.D	12 Mar 2025 14:40	AR\AJ	Ok,M
19	Q1502-13	PL094637.D	12 Mar 2025 14:54	AR\AJ	Dilution
20	Q1502-13DL	PL094638.D	12 Mar 2025 15:07	AR\AJ	Ok
21	I.BLK	PL094639.D	12 Mar 2025 15:35	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031225

Review By	Abdul	Review On	3/13/2025 8:34:38 AM
Supervise By	Ankita	Supervise On	3/13/2025 11:43:34 AM
SubDirectory	PL031225	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PSTDCCC050	PL094640.D	12 Mar 2025 15:49	AR\AJ	Ok,M
23	PCHLORCCC500	PL094641.D	12 Mar 2025 16:02	AR\AJ	Ok,M
24	PTOXCCC500	PL094642.D	12 Mar 2025 16:54	AR\AJ	Ok,M
25	PB167091BL	PL094643.D	12 Mar 2025 17:20	AR\AJ	Not Ok
26	PB167091BS	PL094644.D	12 Mar 2025 17:34	AR\AJ	Not Ok
27	PB167020TB	PL094645.D	12 Mar 2025 17:48	AR\AJ	Not Ok
28	PB167049TB	PL094646.D	12 Mar 2025 18:01	AR\AJ	Not Ok
29	Q1488-02	PL094647.D	12 Mar 2025 18:15	AR\AJ	Ok
30	Q1488-02MS	PL094648.D	12 Mar 2025 18:29	AR\AJ	Ok,M
31	Q1488-02MSD	PL094649.D	12 Mar 2025 18:42	AR\AJ	Ok,M
32	Q1488-04	PL094650.D	12 Mar 2025 18:56	AR\AJ	Ok,M
33	I.BLK	PL094651.D	12 Mar 2025 19:10	AR\AJ	Ok,M
34	PEM	PL094652.D	12 Mar 2025 19:24	AR\AJ	Ok,M
35	PSTDCCC050	PL094653.D	12 Mar 2025 19:38	AR\AJ	Ok,M
36	Q1488-06	PL094654.D	12 Mar 2025 20:05	AR\AJ	Ok,M
37	Q1488-08	PL094655.D	12 Mar 2025 20:19	AR\AJ	Ok,M
38	Q1488-10	PL094656.D	12 Mar 2025 20:33	AR\AJ	Ok,M
39	Q1488-12	PL094657.D	12 Mar 2025 20:46	AR\AJ	Ok
40	Q1514-02	PL094658.D	12 Mar 2025 21:00	AR\AJ	Ok
41	Q1514-04	PL094659.D	12 Mar 2025 21:13	AR\AJ	Ok,M
42	Q1514-06	PL094660.D	12 Mar 2025 21:27	AR\AJ	Ok
43	Q1523-03	PL094661.D	12 Mar 2025 21:41	AR\AJ	Ok
44	Q1523-06	PL094662.D	12 Mar 2025 21:55	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031225

Review By	Abdul	Review On	3/13/2025 8:34:38 AM
Supervise By	Ankita	Supervise On	3/13/2025 11:43:34 AM
SubDirectory	PL031225	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	I.BLK	PL094663.D	12 Mar 2025 22:09	AR\AJ	Ok,M
46	PSTDCCC050	PL094664.D	12 Mar 2025 22:22	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031325

Review By	yogesh	Review On	3/14/2025 3:47:02 PM
Supervise By	mohammad	Supervise On	3/18/2025 5:09:03 AM
SubDirectory	PL031325	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL094665.D	13 Mar 2025 10:10	AR\AJ	Ok
2	I.BLK	PL094666.D	13 Mar 2025 11:33	AR\AJ	Ok
3	PEM	PL094667.D	13 Mar 2025 11:53	AR\AJ	Ok,M
4	PSTDCCC050	PL094668.D	13 Mar 2025 12:24	AR\AJ	Ok,M
5	PB167112BL	PL094669.D	13 Mar 2025 12:54	AR\AJ	Not Ok
6	PB167112BS	PL094670.D	13 Mar 2025 13:38	AR\AJ	Ok
7	Q1545-01	PL094671.D	13 Mar 2025 14:02	AR\AJ	Ok,M
8	Q1547-01	PL094672.D	13 Mar 2025 14:16	AR\AJ	Ok
9	Q1547-01MS	PL094673.D	13 Mar 2025 14:29	AR\AJ	Ok,M
10	Q1547-01MSD	PL094674.D	13 Mar 2025 14:43	AR\AJ	Ok,M
11	Q1547-06	PL094675.D	13 Mar 2025 14:57	AR\AJ	Ok
12	I.BLK	PL094676.D	13 Mar 2025 15:12	AR\AJ	Ok
13	PSTDCCC050	PL094677.D	13 Mar 2025 15:25	AR\AJ	Ok,M
14	Q1549-01	PL094678.D	13 Mar 2025 15:39	AR\AJ	Ok,M
15	Q1552-01	PL094679.D	13 Mar 2025 15:53	AR\AJ	Ok,M
16	Q1553-01	PL094680.D	13 Mar 2025 16:07	AR\AJ	Ok,M
17	Q1556-01	PL094681.D	13 Mar 2025 16:21	AR\AJ	Ok
18	PB167091BL	PL094682.D	13 Mar 2025 16:34	AR\AJ	Ok
19	PB167091BS	PL094683.D	13 Mar 2025 17:20	AR\AJ	Ok,M
20	PB167020TB	PL094684.D	13 Mar 2025 17:33	AR\AJ	Ok
21	PB167049TB	PL094685.D	13 Mar 2025 17:47	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031325

Review By	yogesh	Review On	3/14/2025 3:47:02 PM
Supervise By	mohammad	Supervise On	3/18/2025 5:09:03 AM
SubDirectory	PL031325	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB167125BL	PL094686.D	13 Mar 2025 18:01	AR\AJ	Ok
23	PB167125BS	PL094687.D	13 Mar 2025 18:15	AR\AJ	Not Ok
24	PB167103TB	PL094688.D	13 Mar 2025 18:28	AR\AJ	Ok
25	Q1547-05	PL094689.D	13 Mar 2025 18:42	AR\AJ	Ok,M
26	Q1547-10	PL094690.D	13 Mar 2025 18:56	AR\AJ	Ok,M
27	Q1552-05	PL094691.D	13 Mar 2025 19:09	AR\AJ	Ok
28	Q1547-05MS	PL094692.D	13 Mar 2025 19:23	AR\AJ	Ok,M
29	Q1547-05MSD	PL094693.D	13 Mar 2025 19:37	AR\AJ	Ok,M
30	I.BLK	PL094694.D	13 Mar 2025 19:51	AR\AJ	Ok
31	PSTDCCC050	PL094695.D	13 Mar 2025 20:04	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method p031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL094565.D	11 Mar 2025 09:41		AR\AJ	Ok
2	I.BLK	I.BLK	PL094566.D	11 Mar 2025 09:55		AR\AJ	Ok
3	PEM	PEM	PL094567.D	11 Mar 2025 10:08		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL094568.D	11 Mar 2025 10:22		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL094569.D	11 Mar 2025 10:35		AR\AJ	Ok,M
6	PSTDICC075	PSTDICC075	PL094570.D	11 Mar 2025 10:49		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PL094571.D	11 Mar 2025 11:02		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL094572.D	11 Mar 2025 11:16		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL094573.D	11 Mar 2025 11:29		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL094574.D	11 Mar 2025 11:43		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL094575.D	11 Mar 2025 11:57		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL094576.D	11 Mar 2025 12:10		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL094577.D	11 Mar 2025 12:24		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL094578.D	11 Mar 2025 12:37		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL094579.D	11 Mar 2025 12:51		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL094580.D	11 Mar 2025 13:04		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL094581.D	11 Mar 2025 13:18		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL094582.D	11 Mar 2025 13:31		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL094583.D	11 Mar 2025 13:45		AR\AJ	Ok,M
20	PSTDICV050	ICVPL031125	PL094584.D	11 Mar 2025 13:59		AR\AJ	Ok
21	PCHLORICV500	ICVPL031125CHLOR	PL094585.D	11 Mar 2025 14:26		AR\AJ	Ok
22	PTOXICV500	ICVPL031125TOX	PL094586.D	11 Mar 2025 14:53		AR\AJ	Ok
23	I.BLK	I.BLK	PL094587.D	11 Mar 2025 17:16		AR\AJ	Ok
24	PEM	PEM	PL094588.D	11 Mar 2025 17:30		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL094589.D	11 Mar 2025 17:43		AR\AJ	Ok,M
26	PB167076BL	PB167076BL	PL094590.D	11 Mar 2025 17:57		AR\AJ	Ok
27	PB167076BS	PB167076BS	PL094591.D	11 Mar 2025 18:11		AR\AJ	Ok,M
28	PB167076BSD	PB167076BSD	PL094592.D	11 Mar 2025 18:44		AR\AJ	Ok,M
29	Q1494-01	PURGE-WATER	PL094593.D	11 Mar 2025 18:57	F Flag in TCMX for both column	AR\AJ	Not Ok
30	Q1502-11	PT-CHLR-WP	PL094594.D	11 Mar 2025 19:11	Chlordane CCAL missing , TCMX high in 2nd column	AR\AJ	Not Ok
31	Q1502-09	PT-PEST-WP	PL094595.D	11 Mar 2025 19:25	TCMX high in 1st column , Need dilution	AR\AJ	Dilution
32	Q1502-13	PT-TXP-WP	PL094596.D	11 Mar 2025 19:39	TOX CCAL missing , need dilution	AR\AJ	Not Ok
33	I.BLK	I.BLK	PL094597.D	11 Mar 2025 19:52		AR\AJ	Ok
34	PSTDCCC050	PSTDCCC050	PL094598.D	11 Mar 2025 20:06		AR\AJ	Ok,M
35	Q1539-01	TAPIAL3-MW03D-0310	PL094599.D	11 Mar 2025 20:33		AR\AJ	Ok,M
36	Q1539-02	TAPFTA-MW01I-03102	PL094600.D	11 Mar 2025 20:47		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

37	PB167086BL	PB167086BL	PL094601.D	11 Mar 2025 21:01		AR\AJ	Ok
38	PB167086BS	PB167086BS	PL094602.D	11 Mar 2025 21:14	Chlordane CCAL missing	AR\AJ	Not Ok
39	PB167087BL	PB167087BL	PL094603.D	11 Mar 2025 21:28		AR\AJ	Ok
40	PB167087BS	PB167087BS	PL094604.D	11 Mar 2025 21:42	TOX CCAL missing	AR\AJ	Not Ok
41	I.BLK	I.BLK	PL094605.D	11 Mar 2025 21:55		AR\AJ	Ok
42	PEM	PEM	PL094606.D	11 Mar 2025 22:09		AR\AJ	Ok,M
43	PSTDCCC050	PSTDCCC050	PL094607.D	11 Mar 2025 22:23		AR\AJ	Ok,M
44	PB167077BL	PB167077BL	PL094608.D	11 Mar 2025 22:50		AR\AJ	Ok
45	PB167077BS	PB167077BS	PL094609.D	11 Mar 2025 23:04	Comp#2 recovery fail	AR\AJ	Not Ok
46	Q1534-01	OR-636-COMP-16	PL094610.D	11 Mar 2025 23:17		AR\AJ	Ok,M
47	Q1534-07	OR-636-COMP-17	PL094611.D	11 Mar 2025 23:31		AR\AJ	Ok,M
48	Q1534-07MS	OR-636-COMP-17MS	PL094612.D	11 Mar 2025 23:44		AR\AJ	Ok,M
49	Q1534-07MSD	OR-636-COMP-17MSD	PL094613.D	11 Mar 2025 23:58		AR\AJ	Ok,M
50	Q1534-13	OR-636-COMP-18	PL094614.D	12 Mar 2025 00:11	need dilution	AR\AJ	Dilution
51	Q1534-19	OR-636-COMP-19	PL094615.D	12 Mar 2025 00:25	need dilution	AR\AJ	Dilution
52	Q1535-01	SU-03-03102025	PL094616.D	12 Mar 2025 00:39		AR\AJ	Ok,M
53	I.BLK	I.BLK	PL094617.D	12 Mar 2025 00:53		AR\AJ	Ok
54	PSTDCCC050	PSTDCCC050	PL094618.D	12 Mar 2025 01:06		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031225

Review By	Abdul	Review On	3/13/2025 8:34:38 AM
Supervise By	Ankita	Supervise On	3/13/2025 11:43:34 AM
SubDirectory	PL031225	HP Acquire Method	HP Processing Method p031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL094619.D	12 Mar 2025 08:23		AR\AJ	Ok
2	I.BLK	I.BLK	PL094620.D	12 Mar 2025 08:37		AR\AJ	Ok
3	PEM	PEM	PL094621.D	12 Mar 2025 08:51		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL094622.D	12 Mar 2025 09:04		AR\AJ	Ok,M
5	Q1494-01	PURGE-WATER	PL094623.D	12 Mar 2025 09:44		AR\AJ	Ok
6	PB167077BS	PB167077BS	PL094624.D	12 Mar 2025 10:15		AR\AJ	Ok,M
7	Q1534-13DL	OR-636-COMP-18DL	PL094625.D	12 Mar 2025 10:33		AR\AJ	Ok,M
8	Q1534-19DL	OR-636-COMP-19DL	PL094626.D	12 Mar 2025 10:47	need dilution	AR\AJ	Dilution
9	Q1534-19DL2	OR-636-COMP-19DL2	PL094627.D	12 Mar 2025 11:00		AR\AJ	Ok,M
10	I.BLK	I.BLK	PL094628.D	12 Mar 2025 11:14		AR\AJ	Ok
11	PSTDCCC050	PSTDCCC050	PL094629.D	12 Mar 2025 11:37		AR\AJ	Ok,M
12	PCHLORCCC500	PCHLORCCC500	PL094630.D	12 Mar 2025 12:06		AR\AJ	Ok,M
13	PTOXCCC500	PTOXCCC500	PL094631.D	12 Mar 2025 12:34		AR\AJ	Ok
14	PB167086BS	PB167086BS	PL094632.D	12 Mar 2025 13:17		AR\AJ	Ok,M
15	PB167087BS	PB167087BS	PL094633.D	12 Mar 2025 13:50		AR\AJ	Ok
16	Q1502-11	PT-CHLR-WP	PL094634.D	12 Mar 2025 14:12	TCMX high in 2nd column	AR\AJ	Ok,M
17	Q1502-09DL	PT-PEST-WPDL	PL094635.D	12 Mar 2025 14:26	TCMX high in 1st column , Need dilution	AR\AJ	Dilution

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031225

Review By	Abdul	Review On	3/13/2025 8:34:38 AM
Supervise By	Ankita	Supervise On	3/13/2025 11:43:34 AM
SubDirectory	PL031225	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q1502-09DL2	PT-PEST-WPDL2	PL094636.D	12 Mar 2025 14:40	DCB and TCMX high in 1st column	AR\AJ	Ok,M
19	Q1502-13	PT-TXP-WP	PL094637.D	12 Mar 2025 14:54	need dilution	AR\AJ	Dilution
20	Q1502-13DL	PT-TXP-WPDL	PL094638.D	12 Mar 2025 15:07		AR\AJ	Ok
21	I.BLK	I.BLK	PL094639.D	12 Mar 2025 15:35		AR\AJ	Ok
22	PSTDCCC050	PSTDCCC050	PL094640.D	12 Mar 2025 15:49		AR\AJ	Ok,M
23	PCHLORCCC500	PCHLORCCC500	PL094641.D	12 Mar 2025 16:02		AR\AJ	Ok,M
24	PTOXCCC500	PTOXCCC500	PL094642.D	12 Mar 2025 16:54		AR\AJ	Ok,M
25	PB167091BL	PB167091BL	PL094643.D	12 Mar 2025 17:20	DCB high in 1st column	AR\AJ	Not Ok
26	PB167091BS	PB167091BS	PL094644.D	12 Mar 2025 17:34	DCB high in both column , TCMX high in 1st column , Comp#20 recovery fail	AR\AJ	Not Ok
27	PB167020TB	PB167020TB	PL094645.D	12 Mar 2025 17:48	DCB high in 1st column	AR\AJ	Not Ok
28	PB167049TB	PB167049TB	PL094646.D	12 Mar 2025 18:01	DCB high in 1st column	AR\AJ	Not Ok
29	Q1488-02	ENV-101-SB01	PL094647.D	12 Mar 2025 18:15		AR\AJ	Ok
30	Q1488-02MS	ENV-101-SB01MS	PL094648.D	12 Mar 2025 18:29		AR\AJ	Ok,M
31	Q1488-02MSD	ENV-101-SB01MSD	PL094649.D	12 Mar 2025 18:42		AR\AJ	Ok,M
32	Q1488-04	ENV-101-SB02	PL094650.D	12 Mar 2025 18:56		AR\AJ	Ok,M
33	I.BLK	I.BLK	PL094651.D	12 Mar 2025 19:10		AR\AJ	Ok,M
34	PEM	PEM	PL094652.D	12 Mar 2025 19:24		AR\AJ	Ok,M
35	PSTDCCC050	PSTDCCC050	PL094653.D	12 Mar 2025 19:38	Comp#16 high in 2nd column	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031225

Review By	Abdul	Review On	3/13/2025 8:34:38 AM
Supervise By	Ankita	Supervise On	3/13/2025 11:43:34 AM
SubDirectory	PL031225	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

36	Q1488-06	ENV-102-SB01	PL094654.D	12 Mar 2025 20:05	DCB high in 1st column	AR\AJ	Ok,M
37	Q1488-08	ENV-102-SB02	PL094655.D	12 Mar 2025 20:19		AR\AJ	Ok,M
38	Q1488-10	ENV-104-SB01	PL094656.D	12 Mar 2025 20:33		AR\AJ	Ok,M
39	Q1488-12	ENV-104-SB02	PL094657.D	12 Mar 2025 20:46		AR\AJ	Ok
40	Q1514-02	ENV-105-SB01	PL094658.D	12 Mar 2025 21:00		AR\AJ	Ok
41	Q1514-04	ENV-105-SB02	PL094659.D	12 Mar 2025 21:13		AR\AJ	Ok,M
42	Q1514-06	ENV-103-SB01	PL094660.D	12 Mar 2025 21:27		AR\AJ	Ok
43	Q1523-03	WC-A1-01-C	PL094661.D	12 Mar 2025 21:41		AR\AJ	Ok
44	Q1523-06	WC-A2-02-C	PL094662.D	12 Mar 2025 21:55		AR\AJ	Ok
45	I.BLK	I.BLK	PL094663.D	12 Mar 2025 22:09	DCB high in 1st column	AR\AJ	Ok,M
46	PSTDCCC050	PSTDCCC050	PL094664.D	12 Mar 2025 22:22	Comp#16 high in both column	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031325

Review By	yogesh	Review On	3/14/2025 3:47:02 PM
Supervise By	mohammad	Supervise On	3/18/2025 5:09:03 AM
SubDirectory	PL031325	HP Acquire Method	HP Processing Method pl031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL094665.D	13 Mar 2025 10:10		AR\AJ	Ok
2	I.BLK	I.BLK	PL094666.D	13 Mar 2025 11:33		AR\AJ	Ok
3	PEM	PEM	PL094667.D	13 Mar 2025 11:53		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL094668.D	13 Mar 2025 12:24		AR\AJ	Ok,M
5	PB167112BL	PB167112BL	PL094669.D	13 Mar 2025 12:54	f falg	AR\AJ	Not Ok
6	PB167112BS	PB167112BS	PL094670.D	13 Mar 2025 13:38		AR\AJ	Ok
7	Q1545-01	BU-02-031125	PL094671.D	13 Mar 2025 14:02		AR\AJ	Ok,M
8	Q1547-01	OR-620-JB-COMP-01	PL094672.D	13 Mar 2025 14:16		AR\AJ	Ok
9	Q1547-01MS	OR-620-JB-COMP-01M	PL094673.D	13 Mar 2025 14:29		AR\AJ	Ok,M
10	Q1547-01MSD	OR-620-JB-COMP-01M	PL094674.D	13 Mar 2025 14:43		AR\AJ	Ok,M
11	Q1547-06	OR-620-JB-COMP-02	PL094675.D	13 Mar 2025 14:57		AR\AJ	Ok
12	I.BLK	I.BLK	PL094676.D	13 Mar 2025 15:12		AR\AJ	Ok
13	PSTDCCC050	PSTDCCC050	PL094677.D	13 Mar 2025 15:25		AR\AJ	Ok,M
14	Q1549-01	72-11978	PL094678.D	13 Mar 2025 15:39		AR\AJ	Ok,M
15	Q1552-01	NB-418-JB-COMP-01	PL094679.D	13 Mar 2025 15:53		AR\AJ	Ok,M
16	Q1553-01	RT2321	PL094680.D	13 Mar 2025 16:07		AR\AJ	Ok,M
17	Q1556-01	OR-02-031225	PL094681.D	13 Mar 2025 16:21		AR\AJ	Ok
18	PB167091BL	PB167091BL	PL094682.D	13 Mar 2025 16:34		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031325

Review By	yogesh	Review On	3/14/2025 3:47:02 PM
Supervise By	mohammad	Supervise On	3/18/2025 5:09:03 AM
SubDirectory	PL031325	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PB167091BS	PB167091BS	PL094683.D	13 Mar 2025 17:20		AR\AJ	Ok,M
20	PB167020TB	PB167020TB	PL094684.D	13 Mar 2025 17:33		AR\AJ	Ok
21	PB167049TB	PB167049TB	PL094685.D	13 Mar 2025 17:47		AR\AJ	Ok
22	PB167125BL	PB167125BL	PL094686.D	13 Mar 2025 18:01		AR\AJ	Ok
23	PB167125BS	PB167125BS	PL094687.D	13 Mar 2025 18:15	Methoxychlor Recovery fail for 1st column	AR\AJ	Not Ok
24	PB167103TB	PB167103TB	PL094688.D	13 Mar 2025 18:28		AR\AJ	Ok
25	Q1547-05	OR-620-JB-COMP-01	PL094689.D	13 Mar 2025 18:42		AR\AJ	Ok,M
26	Q1547-10	OR-620-JB-COMP-02	PL094690.D	13 Mar 2025 18:56		AR\AJ	Ok,M
27	Q1552-05	NB-418-JB-COMP-01	PL094691.D	13 Mar 2025 19:09		AR\AJ	Ok
28	Q1547-05MS	OR-620-JB-COMP-01M	PL094692.D	13 Mar 2025 19:23		AR\AJ	Ok,M
29	Q1547-05MSD	OR-620-JB-COMP-01M	PL094693.D	13 Mar 2025 19:37		AR\AJ	Ok,M
30	I.BLK	I.BLK	PL094694.D	13 Mar 2025 19:51		AR\AJ	Ok
31	PSTDCCC050	PSTDCCC050	PL094695.D	13 Mar 2025 20:04		AR\AJ	Ok,M

M : Manual Integration

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pipette ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 115525

Start Prep Date : 03/06/2025 Time : 17:00

End Prep Date : 03/07/2025 Time : 11:20

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 25 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : *JP*

Supervisor By : *12*

Standard Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110802
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	W3172.	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W3166,W1938,W1939,W1940,
1L Amber bottle	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. Particle size reduction is not required. TUMBLER T-1 / T-2 checked, 30 rpm. q1514-06 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/07/25 12:30	<i>JP</i> / <i>TCLP Room</i>	<i>JP</i> / <i>RT / E-1</i>
	Preparation Group	Analysis Group

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167020TB	LEB020	15	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q1488-02	ENV-101-SB01	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-04	ENV-101-SB02	02	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1488-06	ENV-102-SB01	03	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-08	ENV-102-SB02	04	100.04	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1488-10	ENV-104-SB01	05	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1488-12	ENV-104-SB02	06	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1490-02	CLAY-SLUDGE-DRUMS	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1494-04	ASPHALT-SOIL	08	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1494-06	SOIL	09	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1494-08	SOIL-COMP	10	100.04	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1510-01	FMC-25-0001-0005	11	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q1514-02	ENV-105-SB01	12	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1514-04	ENV-105-SB02	13	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1514-06	ENV-103-SB01	14	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167020TB	LEB020	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-02	ENV-101-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-04	ENV-101-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1488-06	ENV-102-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-08	ENV-102-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1488-10	ENV-104-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-12	ENV-104-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1490-02	CLAY-SLUDGE-DRUMS	N/A	N/A	N/A	N/A	100	N/A
Q1494-04	ASPHALT-SOIL	N/A	N/A	N/A	N/A	100	N/A
Q1494-06	SOIL	N/A	N/A	N/A	N/A	100	N/A
Q1494-08	SOIL-COMP	N/A	N/A	N/A	N/A	100	N/A
Q1510-01	FMC-25-0001-0005	N/A	N/A	N/A	N/A	100	N/A
Q1514-02	ENV-105-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1514-04	ENV-105-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1514-06	ENV-103-SB01	N/A	N/A	N/A	N/A	100	N/A

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB167020TB	LEB020	N/A	N/A	N/A	N/A	#1	4.94
Q1488-02	ENV-101-SB01	5.01	96.5	6.2	2.5	#1	4.94
Q1488-04	ENV-101-SB02	5.02	96.5	6.6	2.0	#1	4.94
Q1488-06	ENV-102-SB01	5.03	96.5	6.2	2.5	#1	4.94
Q1488-08	ENV-102-SB02	5.04	96.5	7.2	2.5	#1	4.94
Q1488-10	ENV-104-SB01	5.03	96.5	6.6	2.0	#1	4.94
Q1488-12	ENV-104-SB02	5.02	96.5	7.0	2.5	#1	4.94
Q1490-02	CLAY-SLUDGE-DRUMS	5.04	96.5	7.0	2.5	#1	4.94
Q1494-04	ASPHALT-SOIL	5.01	96.5	8.6	3.0	#1	4.94
Q1494-06	SOIL	5.02	96.5	9.1	4.0	#1	4.94
Q1494-08	SOIL-COMP	5.04	96.5	8.6	3.5	#1	4.94
Q1510-01	FMC-25-0001-0005	5.03	96.5	5.6	1.5	#1	4.94
Q1514-02	ENV-105-SB01	5.01	96.5	7.6	2.5	#1	4.94
Q1514-04	ENV-105-SB02	5.02	96.5	8.0	3.0	#1	4.94
Q1514-06	ENV-103-SB01	5.03	96.5	9.1	3.5	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q1490

WorkList ID : 188086

Department : TCLP Extraction

Date : 03-06-2025 11:40:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1488-02	ENV-101-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-04	ENV-101-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-06	ENV-102-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-08	ENV-102-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-10	ENV-104-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-12	ENV-104-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1490-02	CLAY-SLUDGE-DRUMS	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1494-04	ASPHALT-SOIL	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I21	03/05/2025	1311
Q1494-06	SOIL	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1494-08	SOIL-COMP	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1510-01	FMC-25-0001-0005	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1514-02	ENV-105-SB01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I21	03/06/2025	1311
Q1514-04	ENV-105-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	I31	03/05/2025	1311
Q1514-06	ENV-103-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	I31	03/05/2025	1311

Date/Time 03/06/25 16:10

Raw Sample Received by: SA WCC

Raw Sample Relinquished by: CP SM

Date/Time 03/06/25 18:00

Raw Sample Received by: CP SM

Raw Sample Relinquished by: SA WCC

SOP ID: M3510C,3580A-Extraction Pesticide-16
Clean Up SOP #: N/A
Matrix : Water
Weigh By: N/A
Balance check: N/A
Balance ID: N/A
pH Strip Lot#: E3880
Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Extraction By: RS
Filter By: RS
pH Meter ID: N/A
Hood ID: 4,5,6,7

Extraction Start Date : 03/11/2025
Extraction Start Time : 11:54
Extraction End Date : 03/11/2025
Extraction End Time : 16:55
Concentration By: EH
Supervisor By : RUPESH

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24208
Surrogate	1.0ML	200 PPB	PP24217
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3878
Baked Na2SO4	N/A	EP2593
Hexane	N/A	E3877
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
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID: WATER BATH-1,2
KD Bath Temperature: 60 °C
Envap ID: NEVAP-02
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/11/25	RS (Ex-lab)	Y.P. PGTIPCB
17:00	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 03/11/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167020TB	PB167020TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			SEP-1
PB167049TB	PB167049TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			2
PB167091BL	PBLK091	TCLP Pesticide	1000	6	RUPESH	ritesh	10			3
PB167091BS	PLCS091	TCLP Pesticide	1000	6	RUPESH	ritesh	10			4
Q1488-02	ENV-101-SB01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		5
Q1488-02MS	ENV-101-SB01MS	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		6
Q1488-02MS D	ENV-101-SB01MSD	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		7
Q1488-04	ENV-101-SB02	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		8
Q1488-06	ENV-102-SB01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		9
Q1488-08	ENV-102-SB02	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		10
Q1488-10	ENV-104-SB01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		11
Q1488-12	ENV-104-SB02	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		12
Q1514-02	ENV-105-SB01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		13
Q1514-04	ENV-105-SB02	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		14
Q1514-06	ENV-103-SB01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		15
Q1523-03	WC-A1-01-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		16
Q1523-06	WC-A2-02-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		17

* Extracts relinquished on the same date as received.

RS
3/11

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167020TB	LEB020	15	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q1488-02	ENV-101-SB01	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-04	ENV-101-SB02	02	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1488-06	ENV-102-SB01	03	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-08	ENV-102-SB02	04	100.04	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1488-10	ENV-104-SB01	05	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1488-12	ENV-104-SB02	06	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1490-02	CLAY-SLUDGE-DRUMS	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1494-04	ASPHALT-SOIL	08	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1494-06	SOIL	09	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1494-08	SOIL-COMP	10	100.04	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1510-01	FMC-25-0001-0005	11	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q1514-02	ENV-105-SB01	12	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1514-04	ENV-105-SB02	13	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1514-06	ENV-103-SB01	14	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2

03/07/25
121.30

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167049TB	LEB049	10	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1
Q1523-03	WC-A1-01-C	01	100.02	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q1523-06	WC-A2-02-C	02	100.01	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q1534-06	OR-363-COMP-16	03	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1534-12	OR-363-COMP-17	04	100.02	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q1534-18	OR-363-COMP-18	05	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q1534-24	OR-363OR-363-COMP-19-	06	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1537-05	COMP-1	07	100.03	2000	N/A	N/A	N/A	10.0	1.5	T-1
Q1537-06	COMP-2	08	100.02	2000	N/A	N/A	N/A	11.0	1.0	T-1
Q1537-07	COMP-3	09	100.04	2000	N/A	N/A	N/A	11.0	1.5	T-1

03/11/2025
11:00

Prep Standard - Chemical Standard Summary

Order ID : Q1488

Test : TCLP Pesticide

Prepbatch ID : PB167091,

Sequence ID/Qc Batch ID: PL031225,PL031325,

Standard ID :

EP2593,PP23675,PP23677,PP23733,PP23793,PP24095,PP24208,PP24217,PP24255,PP24256,PP24257,PP242583,PP24259,PP24260,PP24261,PP24262,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24284,

Chemical ID :

E3551,E3792,E3805,E3847,E3876,E3877,E3878,P11146,P12603,P12611,P13037,P13039,P13040,P13195,P13245,P13350,P13354,P13405,P13785,P13861,P9052,



<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	EP2593	03/07/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 03/07/2025
FROM 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>
1472	20 PPM Pest Stock Solution 2nd Source	PP23675	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024
<u>FROM</u> 1.00000ml of P13039 + 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>
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>
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>
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

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>
79	500 PPB Pesticide Spike Solution	PP24208	02/27/2025	03/11/2025	Abdul Mirza	None	None	Yogesh Patel
								03/06/2025

FROM 95.00000ml of E3876 + 2.50000ml of PP23675 + 2.50000ml of PP23677 = 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	PP24217	03/05/2025	08/25/2025	Abdul Mirza	None	None	Yogesh Patel
								03/06/2025

FROM 1.00000ml of P13354 + 999.00000ml of E3876 = Final Quantity: 1000.000 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	PP24255	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13785 + 9.00000ml of E3877 = 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)	PP24256	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13040 + 9.00000ml of E3877 = 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	PP24257	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13037 + 9.00000ml of E3877 = 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>
3663	20 PPM MIREX Stock STD (Secondary source)	PP24259	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.20000ml of P13195 + 9.80000ml of E3877 = Final Quantity: 10.000 ml



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Fax : 908 789 8922

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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	PP24262	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P12603 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24266	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P12611 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	PP24267	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P13405 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24268	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P13861 + 99.40000ml of E3877 + 0.50000ml of PP24255 = 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>
3631	75 PPB ICAL PEST STD(RESTEK)	PP24269	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = 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>
3632	50 PPB ICAL PEST STD(RESTEK)	PP24270	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24260 = 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>
3633	25 PPB ICAL PEST STD(RESTEK)	PP24271	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = 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>
3634	5 PPB ICAL PEST STD(RESTEK)	PP24272	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24270 = 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>
3988	50 PPB PEST ICV STD(RESTEK)	PP24273	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24261 = 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>
528	CHLOR 750 PPB STD	PP24274	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24262 = 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	PP24275	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24262 = 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>
530	CHLOR 250 PPB STD	PP24277	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24262 = 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>
3408	CHLOR 50 PPB STD	PP24278	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24275 = 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	PP24279	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24266 = 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>
533	TOX 750 PPB STD	PP24280	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24267 = 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>
534	TOX 500 PPB STD	PP24281	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24267 = 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>
535	TOX 250 PPB STD	PP24282	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24267 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	PP24284	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24268 = Final Quantity: 1.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	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 #
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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	08/14/2025	02/14/2025 / Rajesh	12/27/2024 / Rajesh	E3878

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.	A0197993	09/11/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12603

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	09/09/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12611

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	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13037

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

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	A0199099	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13040

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	09/10/2025	03/10/2025 / Abdul	01/17/2024 / Abdul	P13195

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	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	09/05/2025	03/05/2025 / Abdul	04/22/2024 / Abdul	P13354

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	09/09/2025	03/10/2025 / Abdul	05/15/2024 / Abdul	P13405

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	09/10/2025	03/10/2025 / Abdul	11/19/2024 / Ankita	P13785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	09/10/2025	03/10/2025 / Abdul	12/09/2024 / Abdul	P13861

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	09/10/2025	03/10/2025 / Abdul	11/01/2019 / Stephen	P9052



**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

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

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H 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 12/13/24

E3847



Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

 **avantor™**



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

 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.

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date: 2026-01-07
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 HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.5 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	0.0
Chloride (Cl)	$\leq 10 \text{ ppm}$	$< 5 \text{ ppm}$
Water (by KF, coulometric)	$\leq 0.02 \%$	0.01 %

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

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

E 3878

Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor Performance Materials, LLC

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

RESTEK

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus



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.:** A0193299
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2029 **Storage:** 10°C or colder
Ship: Ambient

P12616
↓
P12615
Five
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	—%	1,010.0 µg/mL	+/- 56.0475

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

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

Tech Tips:

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

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:

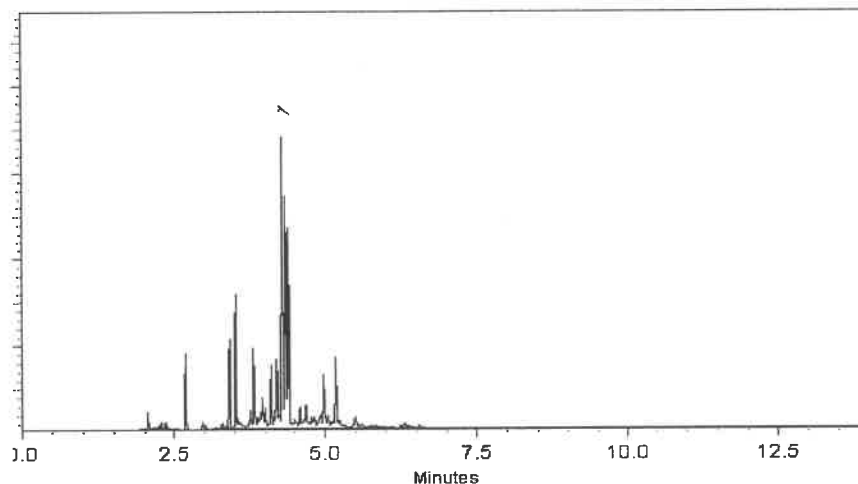
ECD

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.

Bryan Snyder
Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

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

CRm
P12611
↓
P12615
⑤
CRout
7/3/2023



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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.: 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.)

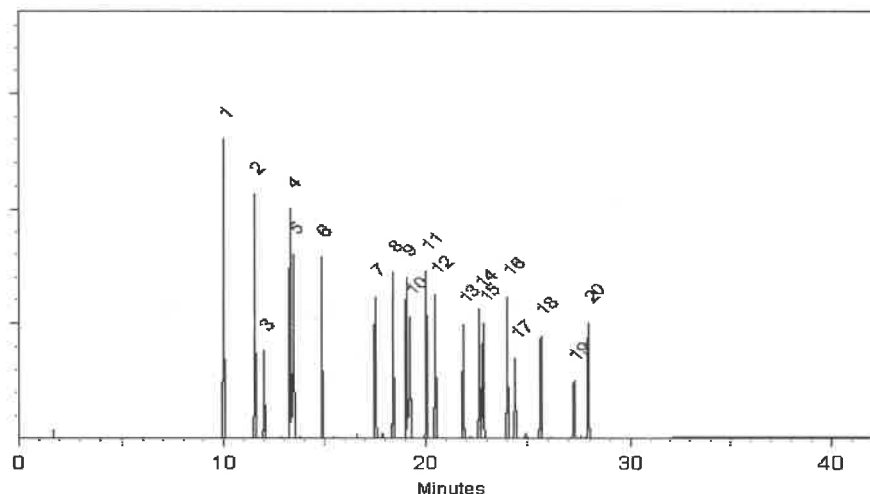
Inj. Temp:
 200°C

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



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.)

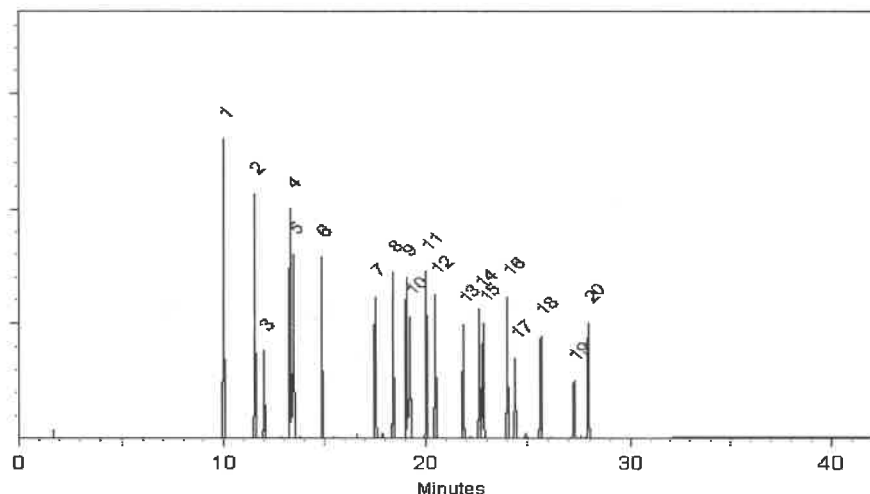
Inj. Temp:
 200°C

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 WEIGHT REPORT

Part Number: 79136
Lot Number: 042022
Description: Mirex

Solvent(s): Acetone
Lot# 81025

Expiration Date: 04/2027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

SE-05 Balance Uncertainty
0.006 Flask Uncertainty

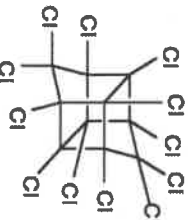
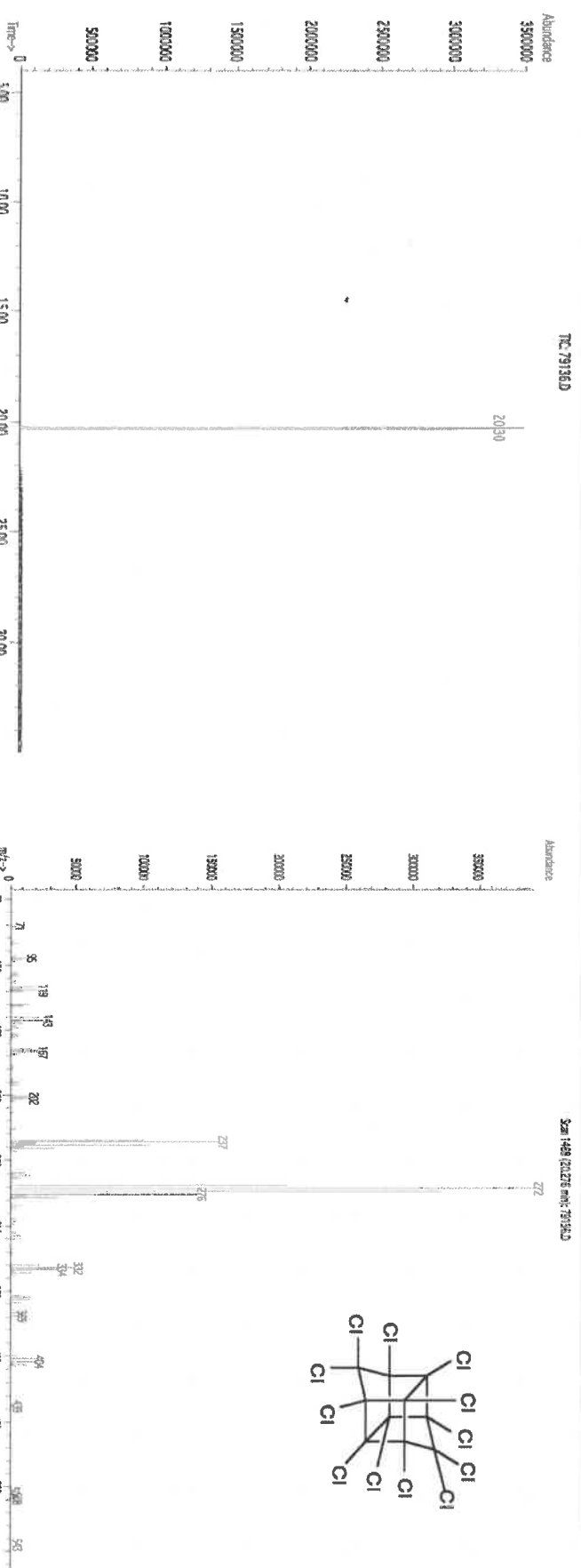
Weight(s) shown below were combined and diluted to (mL): 50.0

Formulated By: <i>Prashant Chauhan</i>	DATE 04/2022
Reviewed By: <i>Pedro L. Renteria</i>	DATE 04/2022

SDS Information													
Compound	Lot	Nominal	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information				
									Conc (µg/mL)	(%)	Purity	Weight (g)	Actual
RM#	Number	Conc (µg/mL)	(%)	Purity	Weight (g)	Weight (g)	Conc(µg/mL)	(+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50		

1. Mirex 437 9492400 1000 99.4 0.5 0.05034 0.05040 1001.1 10.3 2385-85-5 N/A or-rel:306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B = 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



Handwritten notes:
P13195
P13199
5
01/17/2024

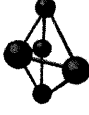
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening, sample, 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).

01/17/2024
JALIN

5



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

79136
102821
Mirex

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

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

102826
Refrigerate (4 °C)
1000
6UTB

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

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

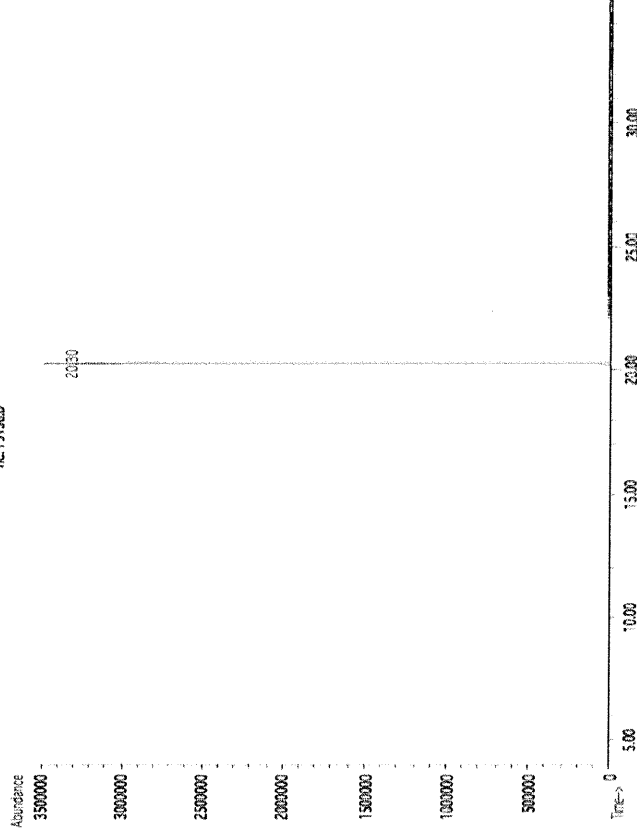
50.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded SDS Information		
									Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	(SHA PEL (TWA) LD50)

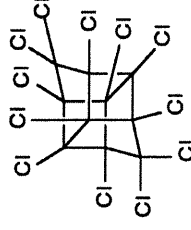
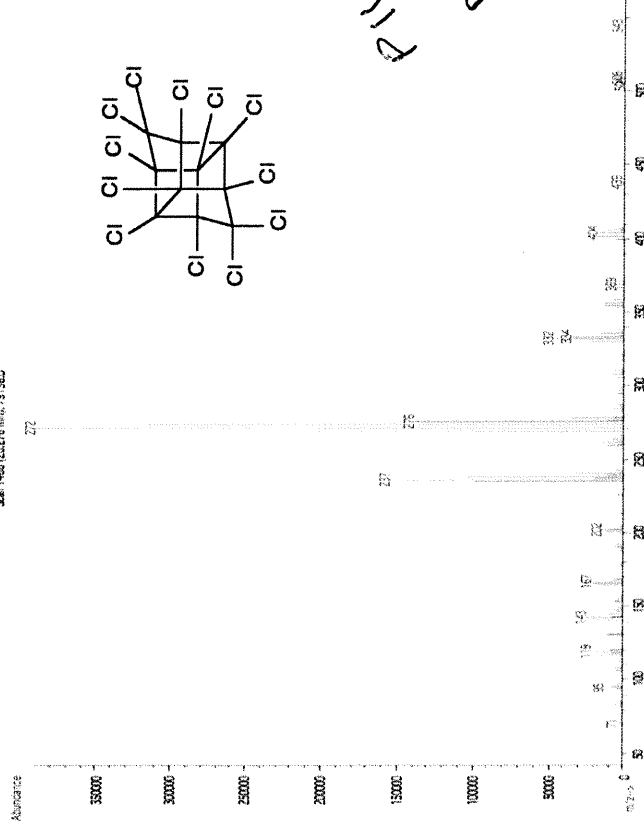
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05039	1000.9	10.3	2385-85-5	N/A	orl-rat 306mg/kg
----------	-----	---------	------	------	-----	---------	---------	--------	------	-----------	-----	------------------

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B = 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.

TC: 79136.D



Scan 1468 (20.26 min): 79136.D



Handwritten: P1142
P1146
11/02/21

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



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32021 **Lot No.:** A0197993

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

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

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

P 12603
↓
P 12605
[3]
Kauf
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

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

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

Tech Tips:

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

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:

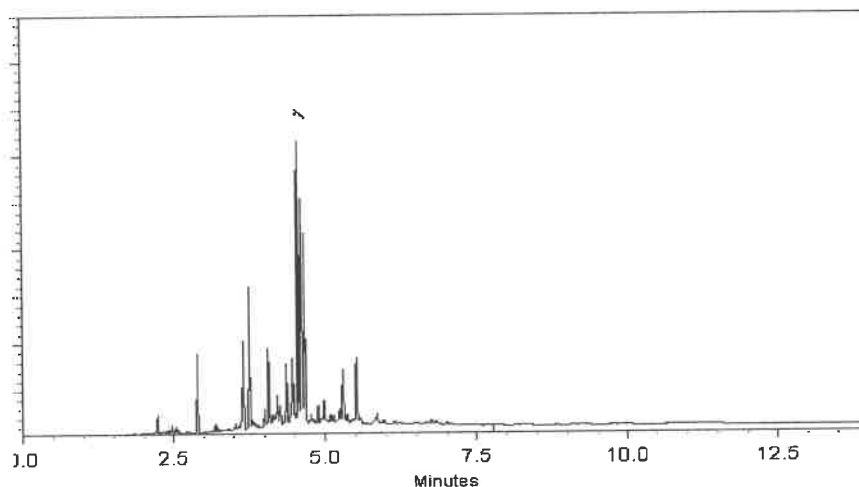
ECD

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.


Morgan Craighead - Mix Technician

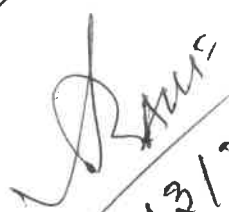
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

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

P 12603 } (3)
↓
P 12605

7/3/2023



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Organochlorine Pesticide Mix AB #1

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

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

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

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

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

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

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

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

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

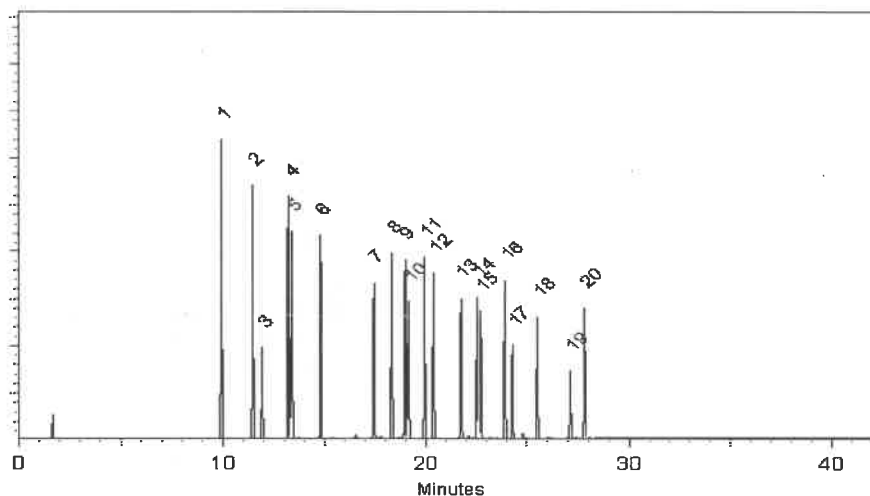
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

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



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

19161
013124
CLP Pesticides & PCBs Resolution Check Standard

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

9 components
013129
Refrigerate (4 °C)
Varied

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

NIST Test ID#:

6UTB

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

5E-05
Balance Uncertainty
0.021
Pipet Uncertainty

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

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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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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P13357
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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:

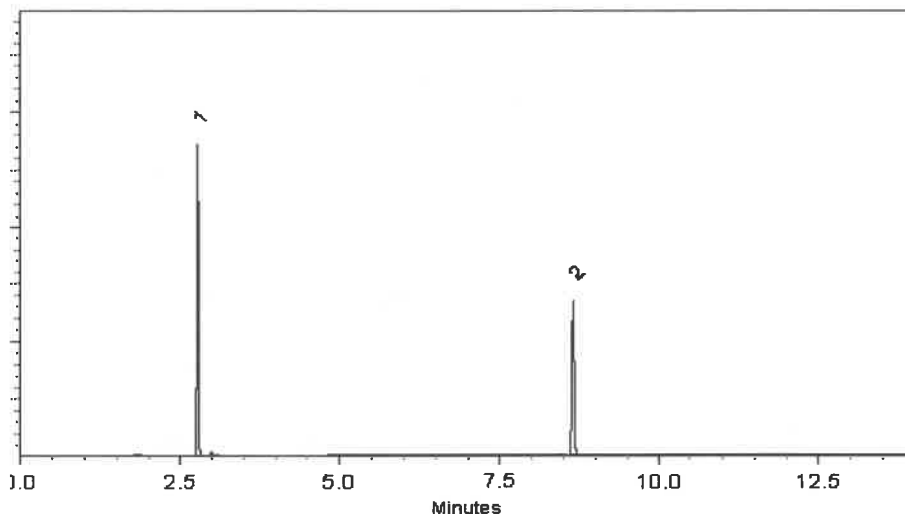
ECD

Split Vent:

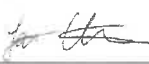
10 ml/min.

Inj. Vol

1µl

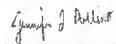


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

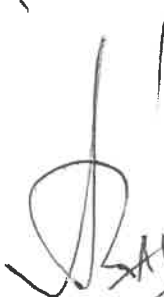
Balance Serial # 1128360905


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:

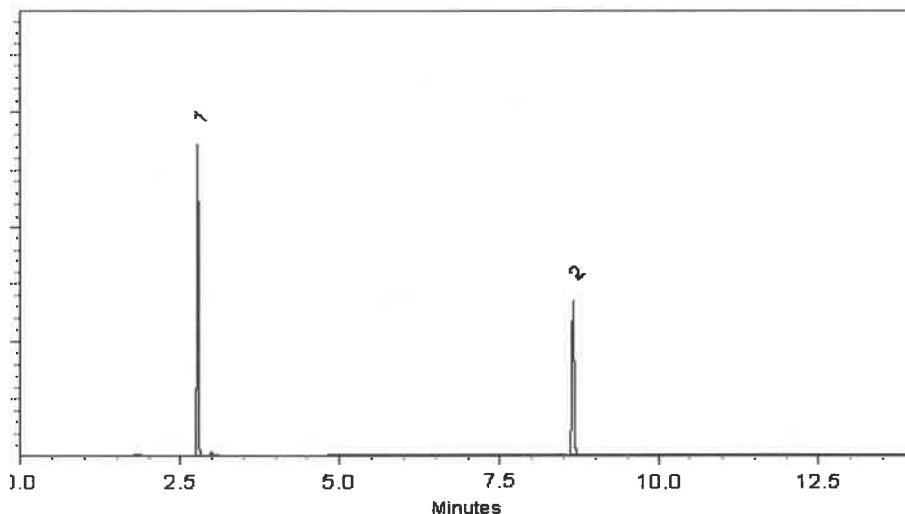
ECD

Split Vent:

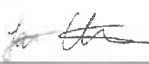
10 ml/min.

Inj. Vol

1µl

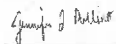


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

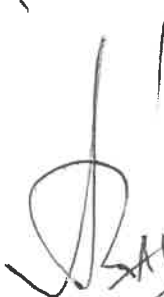
Balance Serial # 1128360905


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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04/25/2025



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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

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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:

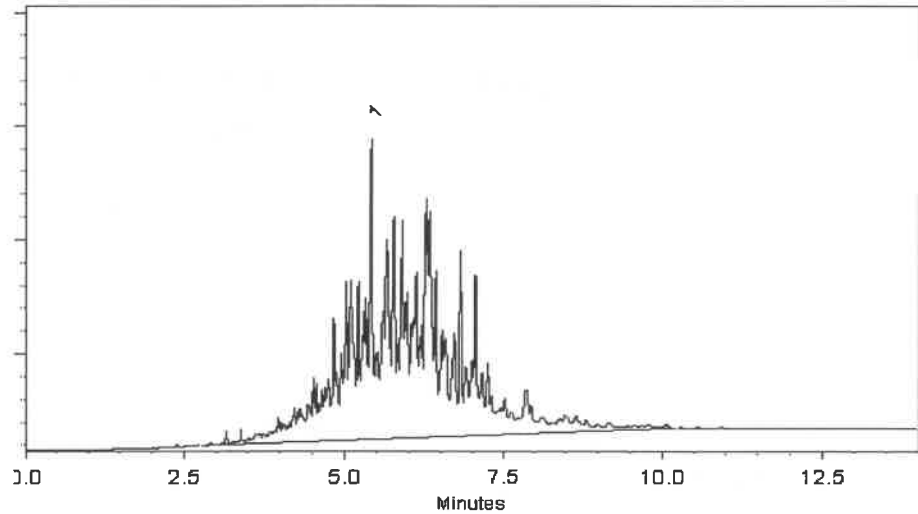
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

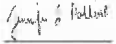


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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

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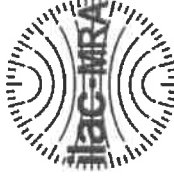
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Fax: 1-814-353-1309

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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.:** A0214495

Description : Pesticide Surrogate Mix

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

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

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

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

P19785
AJ
11/19/24
P19789

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%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* 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.)

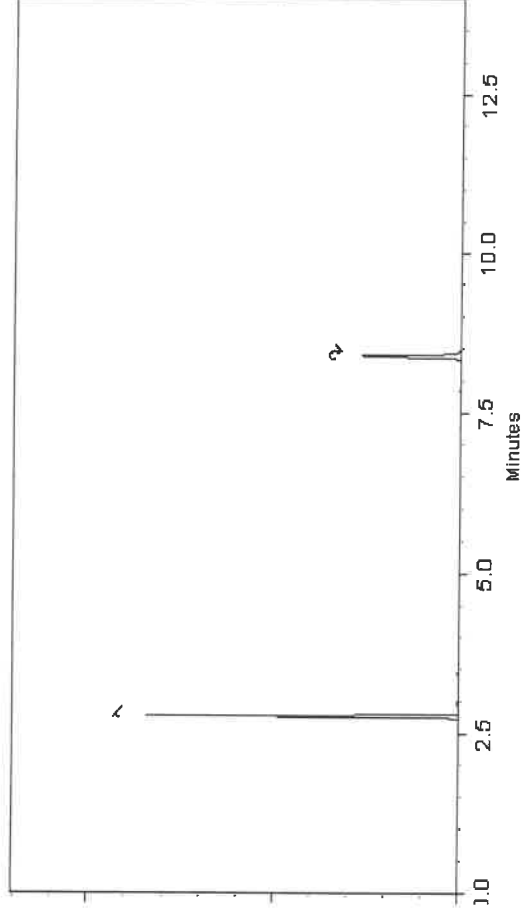
Inj. Temp:
250°C

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.

A. O. P.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

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



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32005 **Lot No.:** A0210240

Description : Toxaphene Standard

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

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

Expiration Date : July 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	----%	1,009.3 µg/mL	+/- 56.0105

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

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

P13861
P13862

12/9/2024

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:

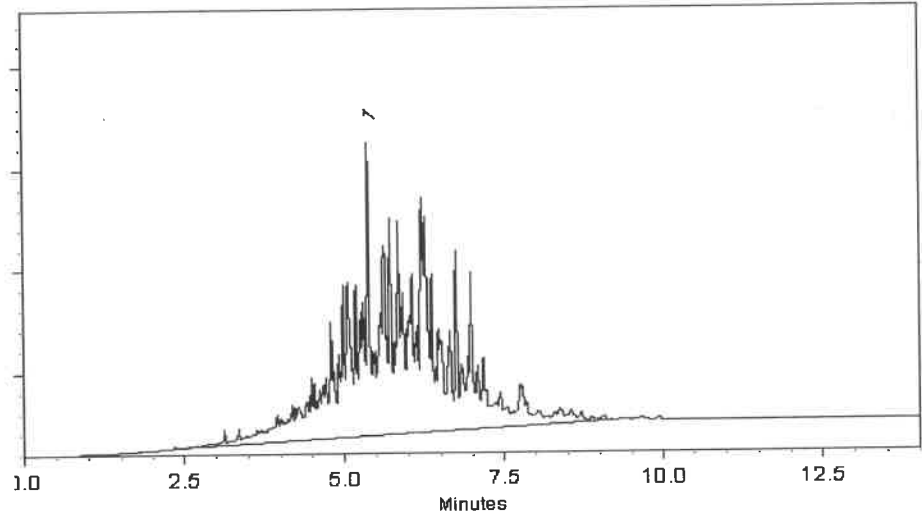
ECD

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.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311

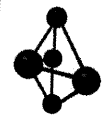

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

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

P13861 } ②
P13862 }


12/9/2024



CERTIFIED WEIGHT REPORT

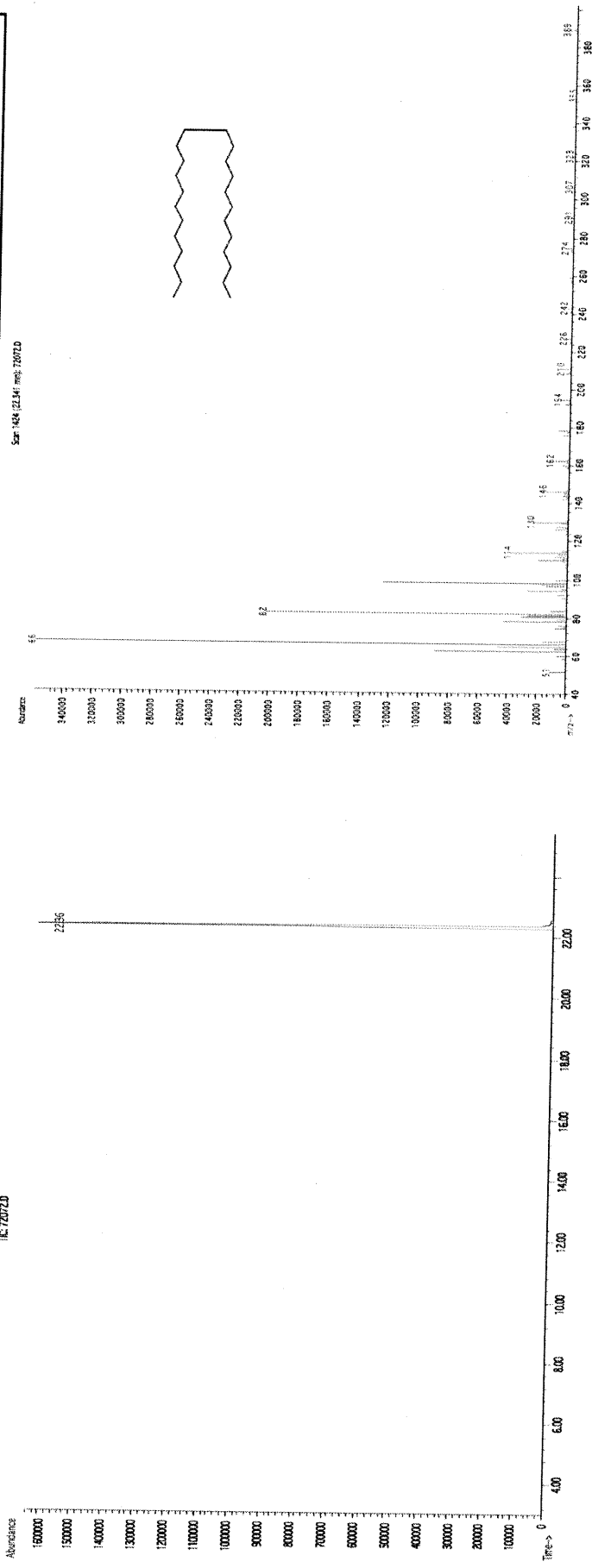
Part Number: 72072
Lot Number: 112018
Description: n-Tetracosane-d50
Expiration Date: 112028
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186
Weight(s) shown below were combined and diluted to (mL): 200.0

Solvent(s): Methylene chloride
Lot#: 102669
Received by
SG on 11/11/19
p9044-p9053
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

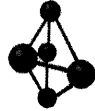
Formulated By:	Prashant Chauhan	112018	DATE
Reviewed By:	Pedro Rentas	112018	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	18416-32-3 N/A
Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.										

TC 720720



• 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).
• 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).



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

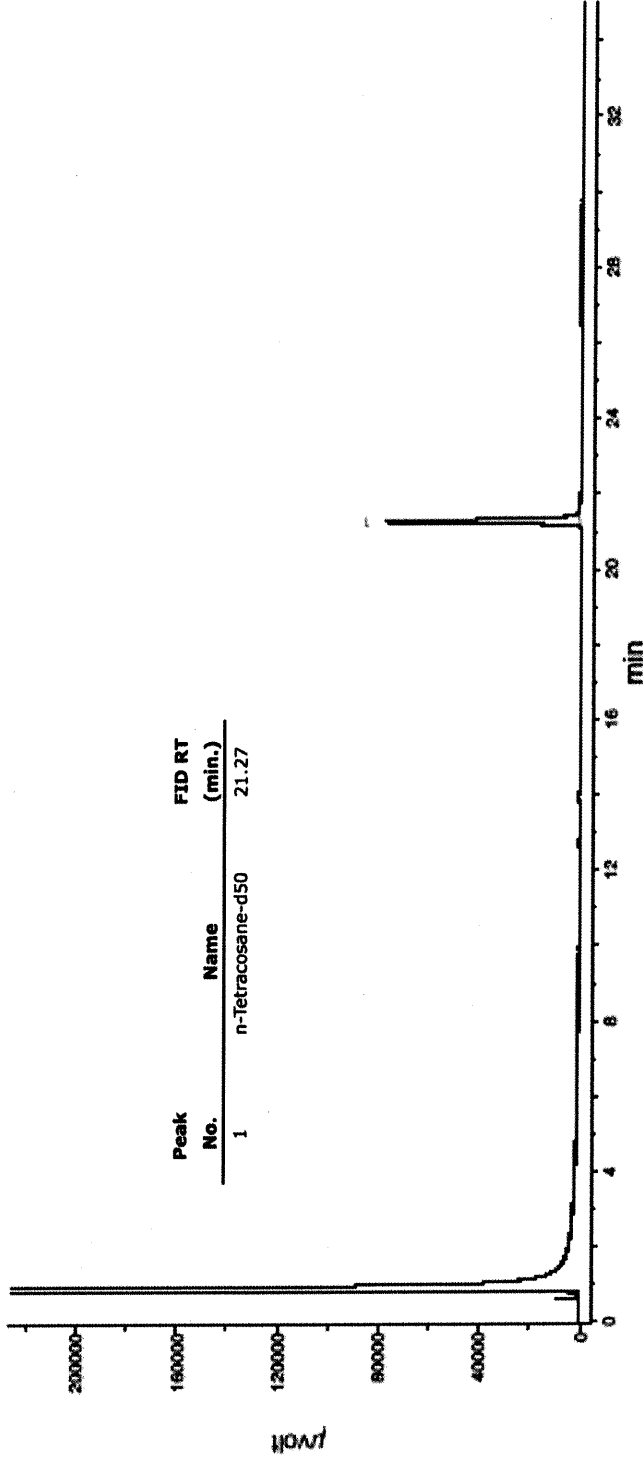
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDAQ Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3





SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Gannett Fleming
ADDRESS: 1010 Adams Ave
CITY: Audubon STATE: PA ZIP: 19405
ATTENTION: Joe Krupansky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak replacement of SB
PROJECT NO: 9500000819 LOCATION: Kearny NJ
PROJECT MANAGER: Joe Krupansky
e-mail: JAKR@BEMEX.COM
PHONE: 610-301-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield St
CITY: Mountainside STATE: NJ ZIP: 07093
ATTENTION: Samantha Peashu PHONE: 908-788-3148

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 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 BEM EXD

1. PCBs 2. TAN Metals 3. TCL-VOC+10 4. Hex Chromium 5. TCL-SVOCs-BNM-20 6. EPM 7. PCRA 8. TCLP 9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	ENV-101-SB01	S		X	3/4/25	910	9	X	X	X	X	X	X	X	X		
2.	ENV-101-SB02	S				920	8	X	X	X	X	X	X	X	X		
3.	ENV-102-SB01	S				1005	9	X	X	X	X	X	X	X	X		
4.	ENV-102-SB02	S				1025	9	X	X	X	X	X	X	X	X		
5.	ENV-102-GW01	GW				1045	8	X	X	X	X	X	X				
6.	ENV-104-SB01	S				1200	9	X	X	X	X	X	X	X	X		
7.	ENV-104-SB02	S				1210	9	X	X	X	X	X	X	X	X		
8.	ENV-104-GW01	GW		V		1230	8	X	X	X	X	X	X				
9.	TB03042025	W				N/A	2			X							
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME: 3/4/25 1427	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.7 °C
1. [Signature]	3/4/25	1. [Signature]	Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME: 3-4-25 1527	RECEIVED BY:	
3. [Signature]	3-4-25	3.	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

Laboratory Certification

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1488	PORT06	Order Date : 3/4/2025 3:39:00 PM	Project Mgr :
Client Name : Portal Partners Tri-Venture		Project Name : Amtrak Sawtooth Bridges 2	Report Type : NJ Reduced
Client Contact : Joseph Krupansky		Receive DateTime : 3/4/2025 3:27:00 PM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Portal Partners Tri-Venture		Purchase Order :	Hard Copy Date :
Invoice Contact : Joseph Krupansky			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1488-01	ENV-101-SB01	Solid	03/04/2025	09:10					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1488-03	ENV-101-SB02	Solid	03/04/2025	09:20					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1488-05	ENV-102-SB01	Solid	03/04/2025	10:05					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1488-07	ENV-102-SB02	Solid	03/04/2025	10:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1488-09	ENV-104-SB01	Solid	03/04/2025	12:00					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1488-11	ENV-104-SB02	Solid	03/04/2025	12:10					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1488-13	ENV-102-GW01	Water	03/04/2025	10:45					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q1488-14	ENV-104-GW01	Water	03/04/2025	12:30					

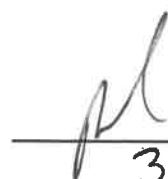
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Invoice Name : Portal Partners Tri-Venture		Purchase Order :	Hard Copy Date :
Invoice Contact : Joseph Krupansky			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q1488-15	TB03042025	Water	03/04/2025	00:00					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Relinquished By: 

Date / Time : 3-4-25 1615

Received By: 

Date / Time : 3-4-25 16:15

Storage Area : VOA Refridgerator Room