



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

Hit Summary Sheet
SW-846

SDG No.:

Order ID:

Client:

Project ID:

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

Total Concentration:

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J
- K
- L



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	PB168224TB	SDG No.:	Q2177
Lab Sample ID:	PB168224TB	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :	1.0	Final Vol:	10000
PH :		Test:	TCLP Pesticide
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095904.D	1	06/03/25 11:34	06/03/25 18:38	PB168264

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	18.2		30 (57) - 150 (171)	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		30 (61) - 150 (148)	96%	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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-03	Matrix:	TCLP
Analytical Method:	8081B	% 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
PL095908.D	1	06/03/25 11:34	06/03/25 19:32	PB168264

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	23.4		30 (57) - 150 (171)	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.6		30 (61) - 150 (148)	113%	SPK: 20

Comments:

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Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	05/31/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	06/02/25	
Client Sample ID:	B-187-SB02		SDG No.:	Q2177	
Lab Sample ID:	Q2177-05		Matrix:	TCLP	
Analytical Method:	8081B		% 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
PL095909.D	1	06/03/25 11:34	06/03/25 19:46	PB168264

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	19.6		30 (57) - 150 (171)	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.8		30 (61) - 150 (148)	94%	SPK: 20

Comments:

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LOQ = Limit of Quantitation

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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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-07	Matrix:	TCLP
Analytical Method:	8081B	% 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
			uL
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095910.D	1	06/03/25 11:34	06/03/25 19:59	PB168264

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	19.4		30 (57) - 150 (171)	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		30 (61) - 150 (148)	93%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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D = Dilution

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

() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL095732.D	PIBLK-PL095732.D	Decachlorobiphenyl	1	20	18.2	91		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	16.4	82		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	17.5	88		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	16.0	80		30 (61)	150 (148)
I.BLK-PL095896.D	PIBLK-PL095896.D	Decachlorobiphenyl	1	20	19.8	99		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	22.6	113		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	17.9	90		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	23.0	115		30 (61)	150 (148)
Q2173-06MS	OR-400-CF-402B-COMP-23MS	Decachlorobiphenyl	1	20	17.5	88		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	18.5	93		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	16.3	82		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	18.9	94		30 (61)	150 (148)
Q2173-06MSD	OR-400-CF-402B-COMP-23MSD	Decachlorobiphenyl	1	20	17.5	88		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	18.7	94		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	17.1	86		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	19.0	95		30 (61)	150 (148)
PB168264BL	PB168264BL	Decachlorobiphenyl	1	20	18.1	90		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	19.0	95		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	17.9	89		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	19.2	96		30 (61)	150 (148)
PB168224TB	PB168224TB	Decachlorobiphenyl	1	20	18.2	91		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	19.0	95		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	17.7	89		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	19.3	96		30 (61)	150 (148)
I.BLK-PL095905.D	PIBLK-PL095905.D	Decachlorobiphenyl	1	20	21.4	107		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	23.0	115		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	21.4	107		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	22.9	115		30 (61)	150 (148)
Q2177-03	B-187-SB01	Decachlorobiphenyl	1	20	22.4	112		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	22.1	110		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	23.4	117		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	22.6	113		30 (61)	150 (148)
Q2177-05	B-187-SB02	Decachlorobiphenyl	1	20	19.1	96		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	18.6	93		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	19.6	98		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	18.8	94		30 (61)	150 (148)
Q2177-07	B-202-SB01	Decachlorobiphenyl	1	20	18.7	93		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	18.6	93		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	19.4	97		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	18.4	92		30 (61)	150 (148)
I.BLK-PL095911.D	PIBLK-PL095911.D	Decachlorobiphenyl	1	20	21.9	110		30 (57)	150 (171)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL095911.D	PIBLK-PL095911.D	Tetrachloro-m-xylene	1	20	23.2	116		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	22.9	114		30 (57)	150 (171)
I.BLK-PL095914.D	PIBLK-PL095914.D	Tetrachloro-m-xylene	2	20	23.2	116		30 (61)	150 (148)
		Decachlorobiphenyl	1	20	20.1	101		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	21.3	106		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	20.1	101		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	20.3	101		30 (61)	150 (148)
PB168264BS	PB168264BS	Decachlorobiphenyl	1	20	22.0	110		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	22.1	110		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	22.1	110		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	21.4	107		30 (61)	150 (148)
I.BLK-PL095918.D	PIBLK-PL095918.D	Decachlorobiphenyl	1	20	20.4	102		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	20.6	103		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	20.1	100		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	19.6	98		30 (61)	150 (148)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2177</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Portal Partners Tri-Venture</u>	DataFile :	<u>PL095898.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: OR-400-CF-402B-COMP-23MS												
Q2173-06MS (Column 1)	gamma-BHC (Lindane)	5	0	5.00	ug/L	100				30 (60)	150 (152)	
	Heptachlor	5	0	4.80	ug/L	96				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	4.80	ug/L	96				30 (77)	150 (143)	
	Endrin	5	0	4.50	ug/L	90				30 (76)	150 (144)	
	Methoxychlor	5	0	4.50	ug/L	90				30 (70)	150 (142)	
Client Sample ID: OR-400-CF-402B-COMP-23MS												
Q2173-06MS (Column 2)	gamma-BHC (Lindane)	5	0	5.10	ug/L	102				30 (60)	150 (152)	
	Heptachlor	5	0	4.90	ug/L	98				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	5.00	ug/L	100				30 (77)	150 (143)	
	Endrin	5	0	4.50	ug/L	90				30 (76)	150 (144)	
	Methoxychlor	5	0	4.20	ug/L	84				30 (70)	150 (142)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2177</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Portal Partners Tri-Venture</u>	DataFile :	<u>PL095899.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: OR-400-CF-402B-COMP-23MSD												
Q2173-06MSD (Column 1)	gamma-BHC (Lindane)	5	0	5.10	ug/L	102		2		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	4.80	ug/L	96		0		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	4.80	ug/L	96		0		30 (77)	150 (143)	20 (20)
	Endrin	5	0	4.60	ug/L	92		2		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	4.60	ug/L	92		2		30 (70)	150 (142)	20 (20)
Client Sample ID: OR-400-CF-402B-COMP-23MSD												
Q2173-06MSD (Column 2)	gamma-BHC (Lindane)	5	0	5.20	ug/L	104		2		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	4.90	ug/L	98		0		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	5.10	ug/L	102		2		30 (77)	150 (143)	20 (20)
	Endrin	5	0	4.50	ug/L	90		0		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	4.20	ug/L	84		0		30 (70)	150 (142)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2177</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Portal Partners Tri-Venture</u>	Datafile :	<u>PL095917.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168264BS (Column 1)	gamma-BHC (Lindane)	0.5	0.56	ug/L	112				40 (82)	140 (129)	
	Heptachlor	0.5	0.54	ug/L	109				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.55	ug/L	111				40 (81)	140 (124)	
	Endrin	0.5	0.49	ug/L	98				40 (81)	140 (128)	
	Methoxychlor	0.5	0.49	ug/L	99				40 (78)	140 (108)	
PB168264BS (Column 2)	gamma-BHC (Lindane)	0.5	0.55	ug/L	110				40 (82)	140 (129)	
	Heptachlor	0.5	0.54	ug/L	107				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.55	ug/L	110				40 (81)	140 (124)	
	Endrin	0.5	0.49	ug/L	98				40 (81)	140 (128)	
	Methoxychlor	0.5	0.45	ug/L	90				40 (78)	140 (108)	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168264BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q2177

SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: PB168264BL

Lab File ID: PL095902.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 06/03/2025

Date Analyzed (1): 06/03/2025

Date Analyzed (2): 06/03/2025

Time Analyzed (1): 18:10

Time Analyzed (2): 18:10

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
OR-400-CF-402B-COMP-23MS	Q2173-06MS	PL095898.D	06/03/2025	06/03/2025
OR-400-CF-402B-COMP-23MSD	Q2173-06MSD	PL095899.D	06/03/2025	06/03/2025
PB168224TB	PB168224TB	PL095904.D	06/03/2025	06/03/2025
B-187-SB01	Q2177-03	PL095908.D	06/03/2025	06/03/2025
B-187-SB02	Q2177-05	PL095909.D	06/03/2025	06/03/2025
B-202-SB01	Q2177-07	PL095910.D	06/03/2025	06/03/2025
PB168264BS	PB168264BS	PL095917.D	06/04/2025	06/04/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168264BL	SDG No.:	Q2177
Lab Sample ID:	PB168264BL	Matrix:	TCLP
Analytical Method:	8081B	% 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
PL095902.D	1	06/03/25 11:34	06/03/25 18:10	PB168264

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	18.1		30 (57) - 150 (171)	90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		30 (61) - 150 (148)	96%	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

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	05/21/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	05/21/25	
Client Sample ID:	PIBLK-PL095732.D		SDG No.:	Q2177	
Lab Sample ID:	I.BLK-PL095732.D		Matrix:	TCLP	
Analytical Method:	8081B		% 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
PL095732.D	1		05/21/25	PL052125

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	18.2		30 (57) - 150 (171)	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.4		30 (61) - 150 (148)	82%	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

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	06/03/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	06/03/25	
Client Sample ID:	PIBLK-PL095896.D		SDG No.:	Q2177	
Lab Sample ID:	I.BLK-PL095896.D		Matrix:	TCLP	
Analytical Method:	8081B		% 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
PL095896.D	1		06/03/25	pl060325

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	19.8		30 (57) - 150 (171)	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.0		30 (61) - 150 (148)	115%	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

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	06/03/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	06/03/25	
Client Sample ID:	PIBLK-PL095905.D		SDG No.:	Q2177	
Lab Sample ID:	I.BLK-PL095905.D		Matrix:	TCLP	
Analytical Method:	8081B		% 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
PL095905.D	1		06/03/25	pl060325

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	21.4		30 (57) - 150 (171)	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.0		30 (61) - 150 (148)	115%	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

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	06/03/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	06/03/25	
Client Sample ID:	PIBLK-PL095911.D		SDG No.:	Q2177	
Lab Sample ID:	I.BLK-PL095911.D		Matrix:	TCLP	
Analytical Method:	8081B		% 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
PL095911.D	1		06/03/25	pl060325

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	22.9		30 (57) - 150 (171)	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.2		30 (61) - 150 (148)	116%	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

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	06/04/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	06/04/25	
Client Sample ID:	PIBLK-PL095914.D		SDG No.:	Q2177	
Lab Sample ID:	I.BLK-PL095914.D		Matrix:	TCLP	
Analytical Method:	8081B		% 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
PL095914.D	1		06/04/25	pl060425

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	20.1		30 (57) - 150 (171)	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		30 (61) - 150 (148)	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

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	06/04/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	06/04/25	
Client Sample ID:	PIBLK-PL095918.D		SDG No.:	Q2177	
Lab Sample ID:	I.BLK-PL095918.D		Matrix:	TCLP	
Analytical Method:	8081B		% 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
PL095918.D	1		06/04/25	pl060425

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	20.4		30 (57) - 150 (171)	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		30 (61) - 150 (148)	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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168264BS	SDG No.:	Q2177
Lab Sample ID:	PB168264BS	Matrix:	TCLP
Analytical Method:	8081B	% 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
PL095917.D	1	06/03/25 11:34	06/04/25 12:07	PB168264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.56		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.54		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.55		0.0096	0.050	ug/L
72-20-8	Endrin	0.49		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.49		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	22.1		30 (57) - 150 (171)	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.1		30 (61) - 150 (148)	110%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/30/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	05/30/25
Client Sample ID:	OR-400-CF-402B-COMP-23MS	SDG No.:	Q2177
Lab Sample ID:	Q2173-06MS	Matrix:	TCLP
Analytical Method:	8081B	% 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
PL095898.D	1	06/03/25 11:34	06/03/25 17:15	PB168264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.10		0.037	0.50	ug/L
76-44-8	Heptachlor	4.90		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.00		0.096	0.50	ug/L
72-20-8	Endrin	4.50		0.032	0.50	ug/L
72-43-5	Methoxychlor	4.50		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	17.5		30 (57) - 150 (171)	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		30 (61) - 150 (148)	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

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	05/30/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	05/30/25	
Client Sample ID:	OR-400-CF-402B-COMP-23MSD		SDG No.:	Q2177	
Lab Sample ID:	Q2173-06MSD		Matrix:	TCLP	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095899.D	1	06/03/25 11:34	06/03/25 17:29	PB168264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.20		0.037	0.50	ug/L
76-44-8	Heptachlor	4.90		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.10		0.096	0.50	ug/L
72-20-8	Endrin	4.60		0.032	0.50	ug/L
72-43-5	Methoxychlor	4.60		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	17.5		30 (57) - 150 (171)	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		30 (61) - 150 (148)	95%	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



CALIBRATION SUMMARY

A
B
C
D
E
F
G
H
I
J
K
L

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_L **Calibration Date(s):** 05/21/2025 05/21/2025
Calibration Times: 11:35 12:29

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

LAB FILE ID: CF 100 = <u>PL095735.D</u>CF 075 = <u>PL095736.D</u> CF 050 = <u>PL095737.D</u>CF 025 = <u>PL095738.D</u>CF 005 = <u>PL095739.D</u>							
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2296450000	2273040000	2304350000	2354860000	2552990000	2356340000	5
Endrin	3186950000	3188700000	3185310000	3116310000	3456510000	3226750000	4
gamma-BHC (Lindane)	4588190000	4447360000	4400770000	4245410000	4677520000	4471850000	4
Heptachlor	3804040000	3718580000	3721520000	3622900000	4058170000	3785040000	4
Heptachlor epoxide	3727710000	3692000000	3731080000	3682110000	4251420000	3816860000	6
Methoxychlor	1252650000	1237700000	1261470000	1251380000	1373430000	1275330000	4
Tetrachloro-m-xylene	3099670000	3048860000	3065820000	3062420000	3499570000	3155270000	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_L **Calibration Date(s):** 05/21/2025 05/21/2025
Calibration Times: 11:35 12:29

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

LAB FILE ID:		CF 100 =	<u>PL095735.D</u>	CF 075 =	<u>PL095736.D</u>		
CF 050 =	<u>PL095737.D</u>	CF 025 =	<u>PL095738.D</u>	CF 005 =	<u>PL095739.D</u>		
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	4307130000	4293010000	4424120000	4407270000	4440750000	4374460000	2
Endrin	4781360000	4775420000	4841120000	4733510000	5249090000	4876100000	4
gamma-BHC (Lindane)	5738840000	5640150000	5652210000	5354130000	5620800000	5601220000	3
Heptachlor	5660130000	5568750000	5611780000	5421260000	5783370000	5609060000	2
Heptachlor epoxide	4854250000	4848530000	4943810000	4810760000	5229780000	4937430000	3
Methoxychlor	2503630000	2513740000	2592490000	2627630000	2843040000	2616110000	5
Tetrachloro-m-xylene	3908270000	3796990000	3846980000	3798040000	4219390000	3913940000	5

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Instrument ID: ECD_L Date(s) Analyzed: 05/21/2025 05/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.74	4.64	4.84	175163000
		2	5.27	5.17	5.37	186705000
		3	5.97	5.87	6.07	729383000
		4	6.06	5.96	6.16	887825000
		5	6.90	6.80	7.00	133478000
Toxaphene	500	1	5.88	5.78	5.98	11156600
		2	6.27	6.17	6.37	26557800
		3	7.09	6.99	7.19	93865100
		4	7.18	7.08	7.28	65544600
		5	7.96	7.86	8.06	45659000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Instrument ID: ECD_L Date(s) Analyzed: 05/21/2025 05/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.91	3.81	4.01	190212000
		2	4.49	4.39	4.59	216767000
		3	5.12	5.02	5.22	652504000
		4	5.19	5.09	5.29	564939000
		5	6.08	5.98	6.18	249456000
Toxaphene	500	1	5.15	5.05	5.25	30765000
		2	5.83	5.73	5.93	34678400
		3	6.11	6.01	6.21	36071200
		4	6.75	6.65	6.85	117492000
		5	7.19	7.09	7.29	80236600

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 17:01 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.95	4.96	4.86	5.06	0.01
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 17:01 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.89	2.89	2.79	2.99	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL01 Date Analyzed: 06/03/2025

Lab Sample No.: PSTDCCC050 Data File : PL095897.D Time Analyzed: 17:01

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.098	9.003	9.203	43.980	50.000	-12.0
Endrin	6.601	6.502	6.702	44.600	50.000	-10.8
gamma-BHC (Lindane)	4.356	4.257	4.457	49.830	50.000	-0.3
Heptachlor	4.953	4.855	5.055	48.950	50.000	-2.1
Heptachlor epoxide	5.717	5.618	5.818	48.650	50.000	-2.7
Methoxychlor	7.520	7.423	7.623	44.540	50.000	-10.9
Tetrachloro-m-xylene	3.572	3.473	3.673	50.900	50.000	1.8

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL01 Date Analyzed: 06/03/2025

Lab Sample No.: PSTDCCC050 Data File : PL095897.D Time Analyzed: 17:01

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.059	7.964	8.164	42.370	50.000	-15.3
Endrin	5.779	5.683	5.883	45.120	50.000	-9.8
gamma-BHC (Lindane)	3.729	3.630	3.830	52.270	50.000	4.5
Heptachlor	4.081	3.983	4.183	51.390	50.000	2.8
Heptachlor epoxide	4.868	4.771	4.971	49.980	50.000	0.0
Methoxychlor	6.747	6.651	6.851	40.990	50.000	-18.0
Tetrachloro-m-xylene	2.886	2.786	2.986	51.450	50.000	2.9

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 19:18 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.95	4.96	4.86	5.06	0.01
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 19:18 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.89	2.89	2.79	2.99	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL02 Date Analyzed: 06/03/2025

Lab Sample No.: PSTDCCC050 Data File : PL095907.D Time Analyzed: 19:18

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.097	9.003	9.203	49.020	50.000	-2.0
Endrin	6.599	6.502	6.702	48.510	50.000	-3.0
gamma-BHC (Lindane)	4.355	4.257	4.457	55.210	50.000	10.4
Heptachlor	4.953	4.855	5.055	53.750	50.000	7.5
Heptachlor epoxide	5.716	5.618	5.818	54.140	50.000	8.3
Methoxychlor	7.519	7.423	7.623	48.380	50.000	-3.2
Tetrachloro-m-xylene	3.572	3.473	3.673	54.960	50.000	9.9

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL02 Date Analyzed: 06/03/2025

Lab Sample No.: PSTDCCC050 Data File : PL095907.D Time Analyzed: 19:18

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.059	7.964	8.164	51.620	50.000	3.2
Endrin	5.778	5.683	5.883	51.740	50.000	3.5
gamma-BHC (Lindane)	3.729	3.630	3.830	58.190	50.000	16.4
Heptachlor	4.081	3.983	4.183	56.080	50.000	12.2
Heptachlor epoxide	4.867	4.771	4.971	57.480	50.000	15.0
Methoxychlor	6.746	6.651	6.851	47.170	50.000	-5.7
Tetrachloro-m-xylene	2.885	2.786	2.986	57.170	50.000	14.3

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 20:27 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.95	4.96	4.86	5.06	0.01
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 20:27 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.89	2.89	2.79	2.99	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL03 Date Analyzed: 06/03/2025

Lab Sample No.: PSTDCCC050 Data File : PL095912.D Time Analyzed: 20:27

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.098	9.003	9.203	49.580	50.000	-0.8
Endrin	6.599	6.502	6.702	49.670	50.000	-0.7
gamma-BHC (Lindane)	4.355	4.257	4.457	55.690	50.000	11.4
Heptachlor	4.953	4.855	5.055	54.510	50.000	9.0
Heptachlor epoxide	5.715	5.618	5.818	53.980	50.000	8.0
Methoxychlor	7.519	7.423	7.623	49.420	50.000	-1.2
Tetrachloro-m-xylene	3.572	3.473	3.673	55.240	50.000	10.5

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL03 Date Analyzed: 06/03/2025

Lab Sample No.: PSTDCCC050 Data File : PL095912.D Time Analyzed: 20:27

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.059	7.964	8.164	53.360	50.000	6.7
Endrin	5.778	5.683	5.883	51.550	50.000	3.1
gamma-BHC (Lindane)	3.728	3.630	3.830	58.370	50.000	16.7
Heptachlor	4.081	3.983	4.183	56.590	50.000	13.2
Heptachlor epoxide	4.867	4.771	4.971	57.880	50.000	15.8
Methoxychlor	6.746	6.651	6.851	48.250	50.000	-3.5
Tetrachloro-m-xylene	2.885	2.786	2.986	57.160	50.000	14.3

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 11:26 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.95	4.96	4.86	5.06	0.01
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 11:26 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.89	2.89	2.79	2.99	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL04 Date Analyzed: 06/04/2025

Lab Sample No.: PSTDCCC050 Data File : PL095916.D Time Analyzed: 11:26

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.098	9.003	9.203	50.250	50.000	0.5
Endrin	6.600	6.502	6.702	48.710	50.000	-2.6
gamma-BHC (Lindane)	4.355	4.257	4.457	56.730	50.000	13.5
Heptachlor	4.953	4.855	5.055	55.030	50.000	10.1
Heptachlor epoxide	5.716	5.618	5.818	55.620	50.000	11.2
Methoxychlor	7.520	7.423	7.623	49.270	50.000	-1.5
Tetrachloro-m-xylene	3.572	3.473	3.673	56.700	50.000	13.4

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL04 Date Analyzed: 06/04/2025

Lab Sample No.: PSTDCCC050 Data File : PL095916.D Time Analyzed: 11:26

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.060	7.964	8.164	52.030	50.000	4.1
Endrin	5.780	5.683	5.883	48.760	50.000	-2.5
gamma-BHC (Lindane)	3.728	3.630	3.830	57.100	50.000	14.2
Heptachlor	4.081	3.983	4.183	55.210	50.000	10.4
Heptachlor epoxide	4.868	4.771	4.971	55.730	50.000	11.5
Methoxychlor	6.747	6.651	6.851	46.180	50.000	-7.6
Tetrachloro-m-xylene	2.886	2.786	2.986	56.010	50.000	12.0

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 13:22 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.95	4.96	4.86	5.06	0.01
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 13:22 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.88	2.89	2.79	2.99	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL05 Date Analyzed: 06/04/2025

Lab Sample No.: PSTDCCC050 Data File : PL095919.D Time Analyzed: 13:22

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.099	9.003	9.203	50.390	50.000	0.8
Endrin	6.600	6.502	6.702	48.640	50.000	-2.7
gamma-BHC (Lindane)	4.355	4.257	4.457	56.510	50.000	13.0
Heptachlor	4.952	4.855	5.055	55.130	50.000	10.3
Heptachlor epoxide	5.716	5.618	5.818	55.620	50.000	11.2
Methoxychlor	7.520	7.423	7.623	49.710	50.000	-0.6
Tetrachloro-m-xylene	3.571	3.473	3.673	56.360	50.000	12.7

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL05 Date Analyzed: 06/04/2025

Lab Sample No.: PSTDCCC050 Data File : PL095919.D Time Analyzed: 13:22

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.058	7.964	8.164	52.910	50.000	5.8
Endrin	5.778	5.683	5.883	49.690	50.000	-0.6
gamma-BHC (Lindane)	3.727	3.630	3.830	57.470	50.000	14.9
Heptachlor	4.079	3.983	4.183	55.520	50.000	11.0
Heptachlor epoxide	4.866	4.771	4.971	56.660	50.000	13.3
Methoxychlor	6.746	6.651	6.851	47.180	50.000	-5.6
Tetrachloro-m-xylene	2.884	2.786	2.986	56.310	50.000	12.6

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **PORT06**

Lab Code: **CHEM** Case No.: **Q2177** SAS No.: **Q2177** SDG NO.: **Q2177**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **05/21/2025** **05/21/2025**

Client Sample No. (PEM): **PEM - PL095733.D** Date Analyzed: **05/21/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:01**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.103	9.000	9.200	21.750	20.000	8.8
Tetrachloro-m-xylene	3.573	3.520	3.620	20.300	20.000	1.5
alpha-BHC	4.025	3.970	4.080	9.870	10.000	-1.3
beta-BHC	4.544	4.490	4.590	10.330	10.000	3.3
gamma-BHC (Lindane)	4.356	4.310	4.410	10.120	10.000	1.2
Endrin	6.602	6.530	6.670	51.510	50.000	3.0
4,4'-DDT	7.049	6.980	7.120	98.360	100.000	-1.6
Methoxychlor	7.523	7.450	7.590	249.140	250.000	-0.3

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **05/21/2025** **05/21/2025**

Client Sample No. (PEM): **PEM - PL095733.D** Date Analyzed: **05/21/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:01**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.063	7.960	8.160	20.860	20.000	4.3
Tetrachloro-m-xylene	2.886	2.840	2.940	19.970	20.000	-0.2
alpha-BHC	3.396	3.350	3.450	9.630	10.000	-3.7
beta-BHC	4.024	3.970	4.070	10.010	10.000	0.1
gamma-BHC (Lindane)	3.730	3.680	3.780	9.770	10.000	-2.3
Endrin	5.782	5.710	5.850	51.350	50.000	2.7
4,4'-DDT	6.179	6.110	6.250	105.590	100.000	5.6
Methoxychlor	6.750	6.680	6.820	232.680	250.000	-6.9

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **PORT06**

Lab Code: **CHEM** Case No.: **Q2177** SAS No.: **Q2177** SDG NO.: **Q2177**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **05/21/2025** **05/21/2025**

Client Sample No. (PEM): **PEM - PL095879.D** Date Analyzed: **06/03/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:42**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.098	9.000	9.200	22.730	20.000	13.7
Tetrachloro-m-xylene	3.572	3.520	3.620	23.620	20.000	18.1
alpha-BHC	4.024	3.970	4.070	11.250	10.000	12.5
beta-BHC	4.542	4.490	4.590	11.840	10.000	18.4
gamma-BHC (Lindane)	4.355	4.300	4.410	11.530	10.000	15.3
Endrin	6.600	6.530	6.670	53.670	50.000	7.3
4,4'-DDT	7.047	6.980	7.120	103.120	100.000	3.1
Methoxychlor	7.520	7.450	7.590	250.820	250.000	0.3

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **05/21/2025** **05/21/2025**

Client Sample No. (PEM): **PEM - PL095879.D** Date Analyzed: **06/03/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:42**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.059	7.960	8.160	21.700	20.000	8.5
Tetrachloro-m-xylene	2.885	2.830	2.940	22.520	20.000	12.6
alpha-BHC	3.394	3.340	3.440	10.800	10.000	8.0
beta-BHC	4.024	3.970	4.070	11.430	10.000	14.3
gamma-BHC (Lindane)	3.728	3.680	3.780	10.890	10.000	8.9
Endrin	5.778	5.710	5.850	53.730	50.000	7.5
4,4'-DDT	6.176	6.110	6.250	107.430	100.000	7.4
Methoxychlor	6.746	6.680	6.820	225.220	250.000	-9.9

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **PORT06**

Lab Code: **CHEM** Case No.: **Q2177** SAS No.: **Q2177** SDG NO.: **Q2177**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **05/21/2025** **05/21/2025**

Client Sample No. (PEM): **PEM - PL095906.D** Date Analyzed: **06/03/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **19:05**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.097	9.000	9.200	20.510	20.000	2.6
Tetrachloro-m-xylene	3.572	3.520	3.620	21.930	20.000	9.7
alpha-BHC	4.023	3.970	4.070	10.500	10.000	5.0
beta-BHC	4.542	4.490	4.590	10.910	10.000	9.1
gamma-BHC (Lindane)	4.355	4.300	4.410	10.780	10.000	7.8
Endrin	6.599	6.530	6.670	47.030	50.000	-5.9
4,4'-DDT	7.047	6.980	7.120	88.930	100.000	-11.1
Methoxychlor	7.520	7.450	7.590	217.930	250.000	-12.8

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **05/21/2025** **05/21/2025**

Client Sample No. (PEM): **PEM - PL095906.D** Date Analyzed: **06/03/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **19:05**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.059	7.960	8.160	20.740	20.000	3.7
Tetrachloro-m-xylene	2.885	2.830	2.940	22.340	20.000	11.7
alpha-BHC	3.395	3.340	3.450	10.690	10.000	6.9
beta-BHC	4.023	3.970	4.070	11.230	10.000	12.3
gamma-BHC (Lindane)	3.728	3.680	3.780	10.740	10.000	7.4
Endrin	5.778	5.710	5.850	50.300	50.000	0.6
4,4'-DDT	6.176	6.110	6.250	96.490	100.000	-3.5
Methoxychlor	6.746	6.680	6.820	208.620	250.000	-16.6

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **PORT06**

Lab Code: **CHEM** Case No.: **Q2177** SAS No.: **Q2177** SDG NO.: **Q2177**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **05/21/2025** **05/21/2025**

Client Sample No. (PEM): **PEM - PL095915.D** Date Analyzed: **06/04/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:12**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.118	9.020	9.220	21.910	20.000	9.6
Tetrachloro-m-xylene	3.592	3.540	3.640	22.900	20.000	14.5
alpha-BHC	4.043	3.990	4.090	10.840	10.000	8.4
beta-BHC	4.562	4.510	4.610	11.160	10.000	11.6
gamma-BHC (Lindane)	4.375	4.320	4.430	10.920	10.000	9.2
Endrin	6.619	6.550	6.690	50.980	50.000	2.0
4,4'-DDT	7.067	7.000	7.140	92.620	100.000	-7.4
Methoxychlor	7.540	7.470	7.610	233.190	250.000	-6.7

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **05/21/2025** **05/21/2025**

Client Sample No. (PEM): **PEM - PL095915.D** Date Analyzed: **06/04/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:12**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.059	7.960	8.160	21.610	20.000	8.1
Tetrachloro-m-xylene	2.885	2.830	2.940	21.850	20.000	9.3
alpha-BHC	3.394	3.340	3.440	10.420	10.000	4.2
beta-BHC	4.024	3.970	4.070	10.950	10.000	9.5
gamma-BHC (Lindane)	3.728	3.680	3.780	10.470	10.000	4.7
Endrin	5.778	5.710	5.850	51.550	50.000	3.1
4,4'-DDT	6.176	6.110	6.250	99.520	100.000	-0.5
Methoxychlor	6.747	6.680	6.820	211.480	250.000	-15.4

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q2177
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 05/21/2025 05/21/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	05/21/2025	10:47	PL095732.D	9.10	3.57
PEM	PEM	05/21/2025	11:01	PL095733.D	9.10	3.57
RESCHK	RESCHK	05/21/2025	11:14	PL095734.D	9.10	3.57
PSTDICC100	PSTDICC100	05/21/2025	11:35	PL095735.D	9.11	3.58
PSTDICC075	PSTDICC075	05/21/2025	11:48	PL095736.D	9.10	3.57
PSTDICC050	PSTDICC050	05/21/2025	12:02	PL095737.D	9.10	3.57
PSTDICC025	PSTDICC025	05/21/2025	12:15	PL095738.D	9.10	3.57
PSTDICC005	PSTDICC005	05/21/2025	12:29	PL095739.D	9.10	3.57
PCHLORICC500	PCHLORICC500	05/21/2025	13:10	PL095742.D	9.10	3.57
PTOXICC500	PTOXICC500	05/21/2025	14:18	PL095747.D	9.10	3.57
PEM	PEM	06/03/2025	09:42	PL095879.D	9.10	3.57
IBLK	IBLK	06/03/2025	16:48	PL095896.D	9.10	3.57
PSTDCCC050	PSTDCCC050	06/03/2025	17:01	PL095897.D	9.10	3.57
OR-400-CF-402B-COMP-23MS	Q2173-06MS	06/03/2025	17:15	PL095898.D	9.10	3.57
OR-400-CF-402B-COMP-23MSD	Q2173-06MSD	06/03/2025	17:29	PL095899.D	9.10	3.57
PB168264BL	PB168264BL	06/03/2025	18:10	PL095902.D	9.10	3.57
PB168224TB	PB168224TB	06/03/2025	18:38	PL095904.D	9.10	3.57
IBLK	IBLK	06/03/2025	18:51	PL095905.D	9.10	3.57
PEM	PEM	06/03/2025	19:05	PL095906.D	9.10	3.57
PSTDCCC050	PSTDCCC050	06/03/2025	19:18	PL095907.D	9.10	3.57
B-187-SB01	Q2177-03	06/03/2025	19:32	PL095908.D	9.10	3.57
B-187-SB02	Q2177-05	06/03/2025	19:46	PL095909.D	9.10	3.57
B-202-SB01	Q2177-07	06/03/2025	19:59	PL095910.D	9.10	3.57
IBLK	IBLK	06/03/2025	20:13	PL095911.D	9.10	3.57
PSTDCCC050	PSTDCCC050	06/03/2025	20:27	PL095912.D	9.10	3.57
IBLK	IBLK	06/04/2025	10:59	PL095914.D	9.10	3.57
PEM	PEM	06/04/2025	11:12	PL095915.D	9.12	3.59
PSTDCCC050	PSTDCCC050	06/04/2025	11:26	PL095916.D	9.10	3.57
PB168264BS	PB168264BS	06/04/2025	12:07	PL095917.D	9.11	3.58
IBLK	IBLK	06/04/2025	13:08	PL095918.D	9.11	3.58
PSTDCCC050	PSTDCCC050	06/04/2025	13:22	PL095919.D	9.10	3.57

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q2177
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_L
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 05/21/2025 05/21/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	05/21/2025	10:47	PL095732.D	8.06	2.89
PEM	PEM	05/21/2025	11:01	PL095733.D	8.06	2.89
RESCHK	RESCHK	05/21/2025	11:14	PL095734.D	8.06	2.89
PSTDICCC100	PSTDICCC100	05/21/2025	11:35	PL095735.D	8.06	2.88
PSTDICCC075	PSTDICCC075	05/21/2025	11:48	PL095736.D	8.06	2.89
PSTDICCC050	PSTDICCC050	05/21/2025	12:02	PL095737.D	8.06	2.89
PSTDICCC025	PSTDICCC025	05/21/2025	12:15	PL095738.D	8.06	2.89
PSTDICCC005	PSTDICCC005	05/21/2025	12:29	PL095739.D	8.06	2.89
PCHLORICC500	PCHLORICC500	05/21/2025	13:10	PL095742.D	8.06	2.89
PTOXICC500	PTOXICC500	05/21/2025	14:18	PL095747.D	8.06	2.89
PEM	PEM	06/03/2025	09:42	PL095879.D	8.06	2.89
IBLK	IBLK	06/03/2025	16:48	PL095896.D	8.06	2.89
PSTDCCC050	PSTDCCC050	06/03/2025	17:01	PL095897.D	8.06	2.89
OR-400-CF-402B-COMP-23MS	Q2173-06MS	06/03/2025	17:15	PL095898.D	8.06	2.89
OR-400-CF-402B-COMP-23MSD	Q2173-06MSD	06/03/2025	17:29	PL095899.D	8.06	2.89
PB168264BL	PB168264BL	06/03/2025	18:10	PL095902.D	8.06	2.89
PB168224TB	PB168224TB	06/03/2025	18:38	PL095904.D	8.06	2.89
IBLK	IBLK	06/03/2025	18:51	PL095905.D	8.06	2.89
PEM	PEM	06/03/2025	19:05	PL095906.D	8.06	2.89
PSTDCCC050	PSTDCCC050	06/03/2025	19:18	PL095907.D	8.06	2.89
B-187-SB01	Q2177-03	06/03/2025	19:32	PL095908.D	8.06	2.89
B-187-SB02	Q2177-05	06/03/2025	19:46	PL095909.D	8.06	2.89
B-202-SB01	Q2177-07	06/03/2025	19:59	PL095910.D	8.06	2.89
IBLK	IBLK	06/03/2025	20:13	PL095911.D	8.06	2.89
PSTDCCC050	PSTDCCC050	06/03/2025	20:27	PL095912.D	8.06	2.89
IBLK	IBLK	06/04/2025	10:59	PL095914.D	8.06	2.88
PEM	PEM	06/04/2025	11:12	PL095915.D	8.06	2.89
PSTDCCC050	PSTDCCC050	06/04/2025	11:26	PL095916.D	8.06	2.89
PB168264BS	PB168264BS	06/04/2025	12:07	PL095917.D	8.06	2.88
IBLK	IBLK	06/04/2025	13:08	PL095918.D	8.06	2.88
PSTDCCC050	PSTDCCC050	06/04/2025	13:22	PL095919.D	8.06	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OR-400-CF-402B-COMP-23MS

Contract: PORT06

Lab Code: CHEM Case No.: Q2177

SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: Q2173-06MS

Date(s) Analyzed: 06/03/2025 06/03/2025

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	7.52	7.47	7.57	4.50	6.9
	2	6.75	6.70	6.80	4.20	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	5.00	2
	2	3.73	3.68	3.78	5.10	
Heptachlor	1	4.95	4.90	5.00	4.80	2.1
	2	4.08	4.03	4.13	4.90	
Heptachlor epoxide	1	5.72	5.67	5.77	4.80	4.1
	2	4.87	4.82	4.92	5.00	
Endrin	1	6.60	6.55	6.65	4.50	0
	2	5.78	5.73	5.83	4.50	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OR-400-CF-402B-COMP-23MSD

Contract: PORT06

Lab Code: CHEM Case No.: Q2177

SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: Q2173-06MSD

Date(s) Analyzed: 06/03/2025 06/03/2025

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		
Endrin	1	6.60	6.55	6.65	4.60	2.2
	2	5.78	5.73	5.83	4.50	
Methoxychlor	1	7.52	7.47	7.57	4.60	9.1
	2	6.75	6.70	6.80	4.20	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	5.10	1.9
	2	3.73	3.68	3.78	5.20	
Heptachlor	1	4.95	4.90	5.00	4.80	2.1
	2	4.08	4.03	4.13	4.90	
Heptachlor epoxide	1	5.72	5.67	5.77	4.80	6.1
	2	4.87	4.82	4.92	5.10	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168264BS

Contract: PORT06

Lab Code: CHEM

Case No.: Q2177

SAS No.: Q2177

SDG NO.: Q2177

Lab Sample ID: PB168264BS

Date(s) Analyzed: 06/04/2025

06/04/2025

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	7.53	7.48	7.58	0.49	9.3
	2	6.75	6.70	6.80	0.45	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	0.56	1.2
	2	3.73	3.68	3.78	0.55	
Heptachlor	1	4.96	4.91	5.01	0.54	1.6
	2	4.08	4.03	4.13	0.54	
Heptachlor epoxide	1	5.72	5.67	5.77	0.55	0.2
	2	4.87	4.82	4.92	0.55	
Endrin	1	6.61	6.56	6.66	0.49	0.2
	2	5.78	5.73	5.83	0.49	



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095904.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 18:38
 Operator : AR\AJ
 Sample : PB168224TB
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168224TB

A
B
C
D
E
F
G
H
I
J
K
L

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 03:40:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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...	3.572	2.886	59995831	75425832	19.014	19.271
28) SA Decachlor...	9.098	8.060	42956250	77606935	18.230	17.741

Target Compounds

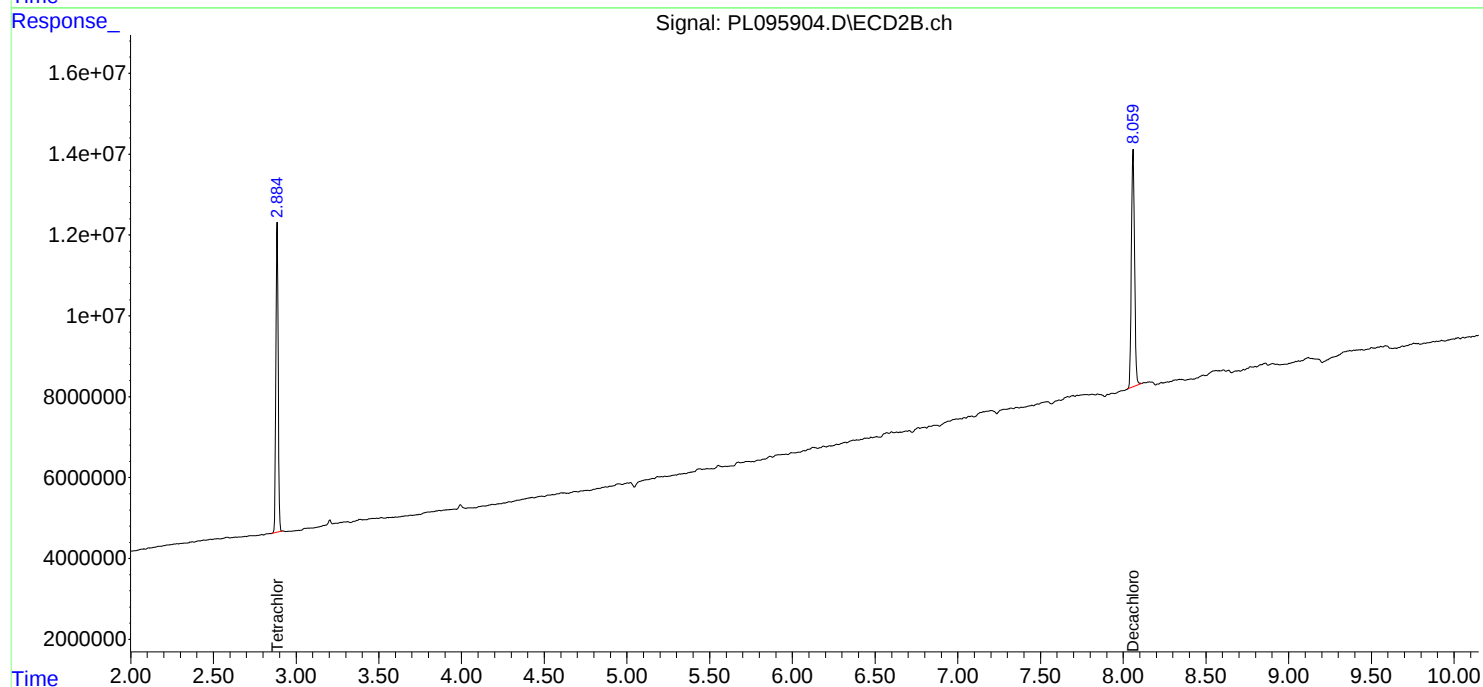
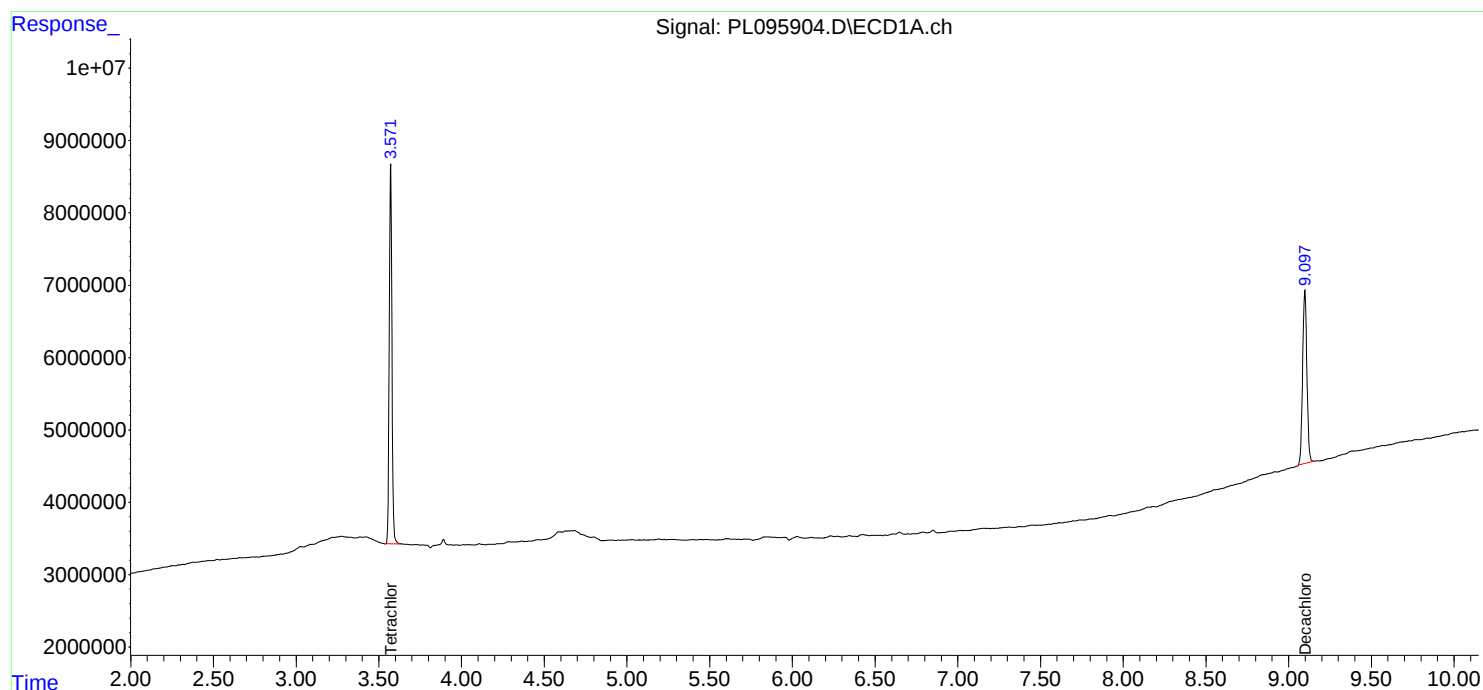
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

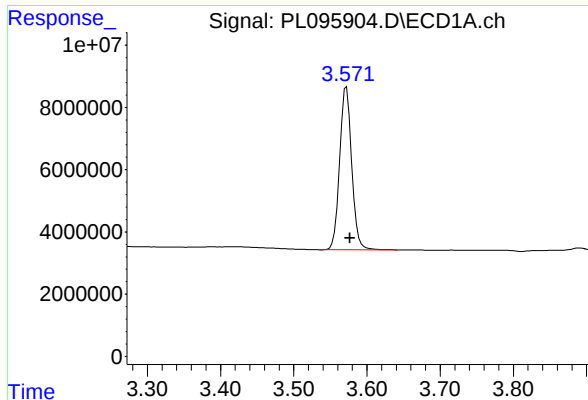
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:38
Operator : AR\AJ
Sample : PB168224TB
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168224TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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

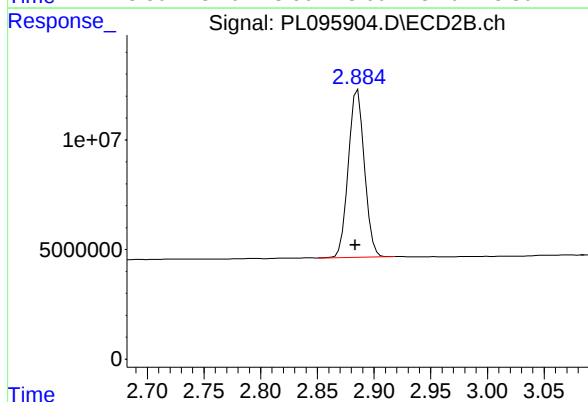




#1 Tetrachloro-m-xylene

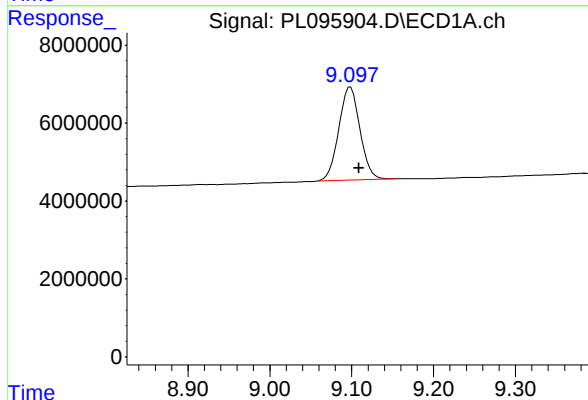
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 59995831
Conc: 19.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168224TB



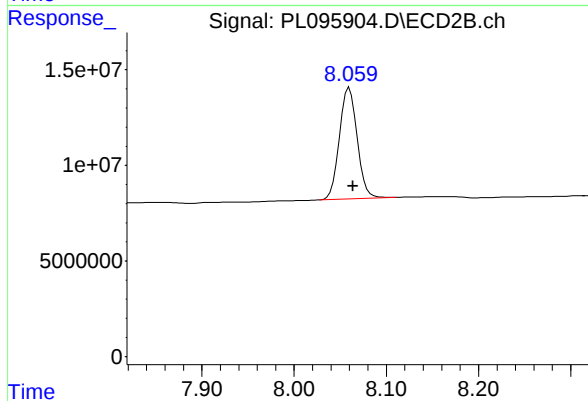
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 75425832
Conc: 19.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.010 min
Response: 42956250
Conc: 18.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 77606935
Conc: 17.74 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095908.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:32
Operator : AR\AJ
Sample : Q2177-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
B-187-SB01

A

B

C

D

E

F

G

H

I

J

K

L

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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...	3.572	2.885	69565010	88243192	22.047	22.546
28) SA Decachlor...	9.098	8.060	52815067	102.4E6	22.414	23.411

Target Compounds

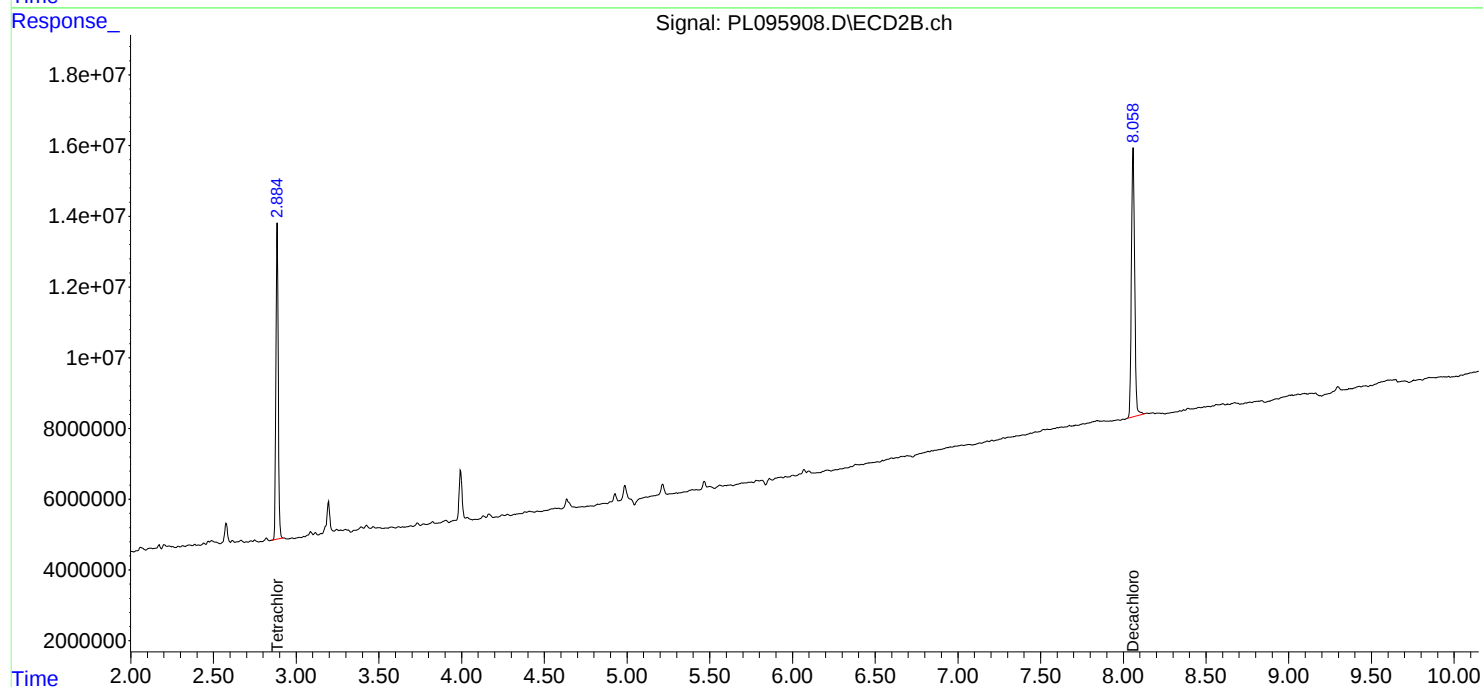
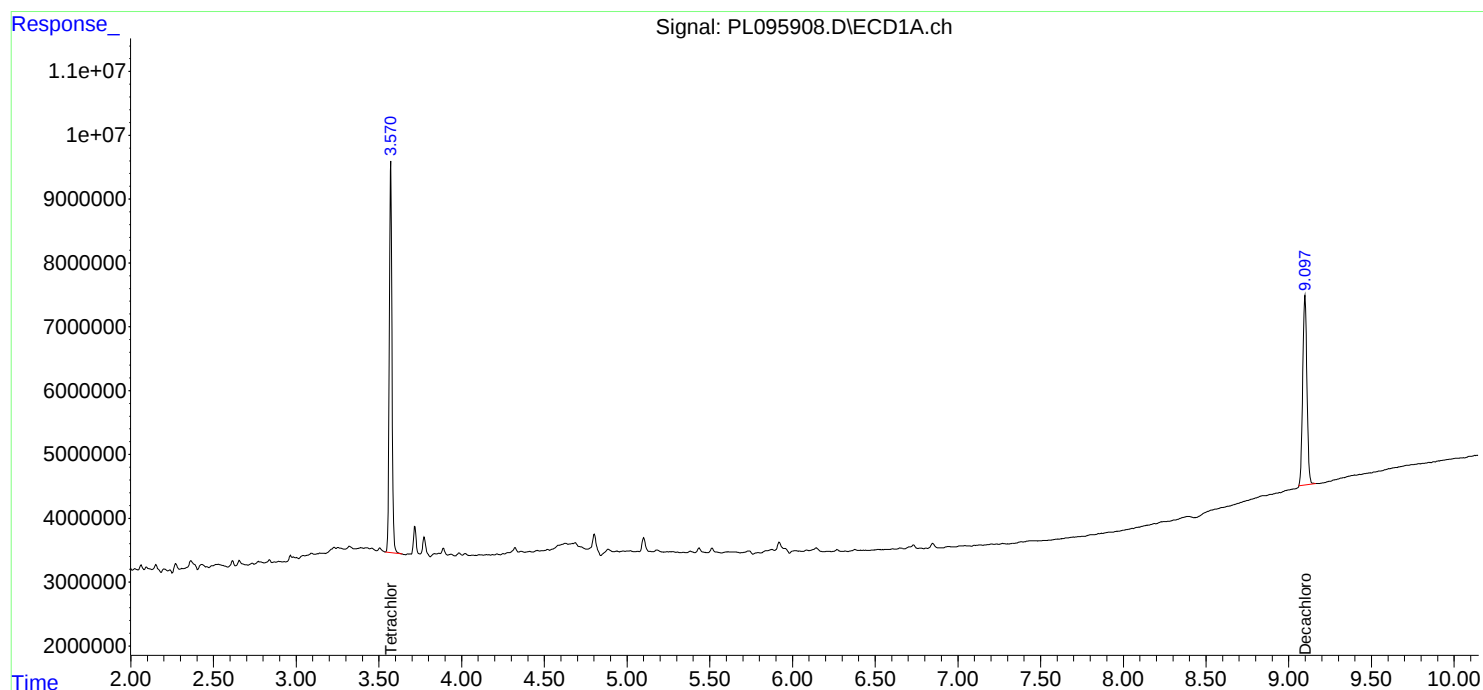
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

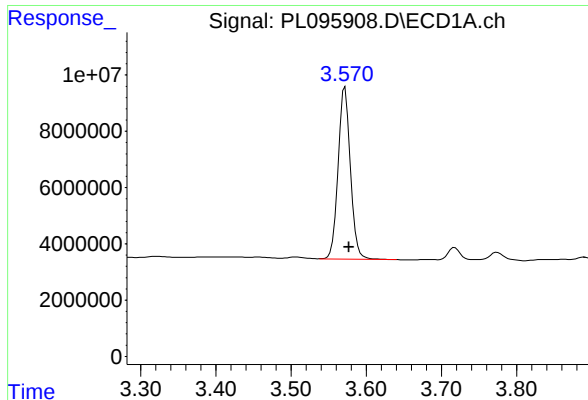
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095908.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:32
Operator : AR\AJ
Sample : Q2177-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
B-187-SB01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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

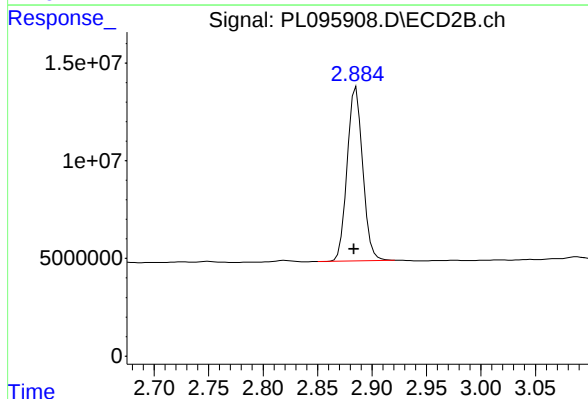




#1 Tetrachloro-m-xylene

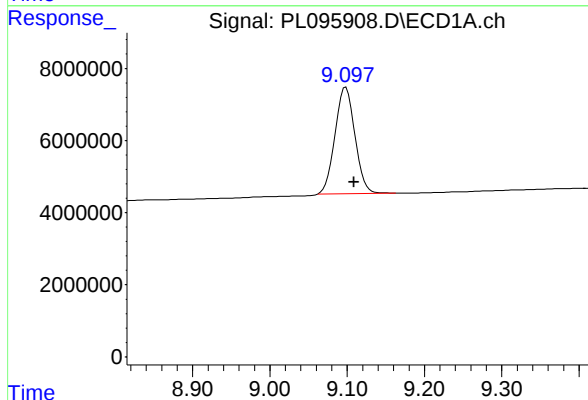
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 69565010
Conc: 22.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
B-187-SB01



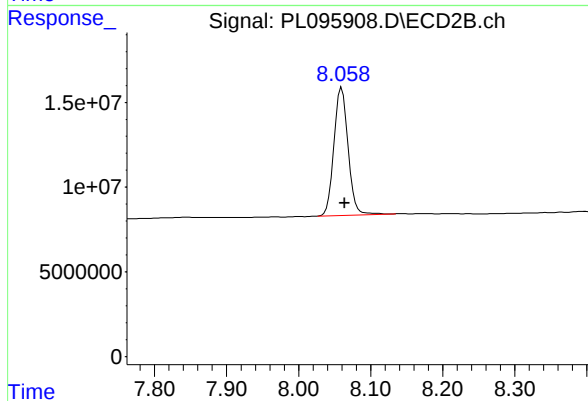
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 88243192
Conc: 22.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 52815067
Conc: 22.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 102409696
Conc: 23.41 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095909.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 19:46
 Operator : AR\AJ
 Sample : Q2177-05
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 B-187-SB02

A
B
C
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G
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K
L

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 03:40:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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...	3.573	2.885	58647653	73689880	18.587	18.828
28) SA Decachlor...	9.098	8.060	45123175	85632807	19.150	19.576

Target Compounds

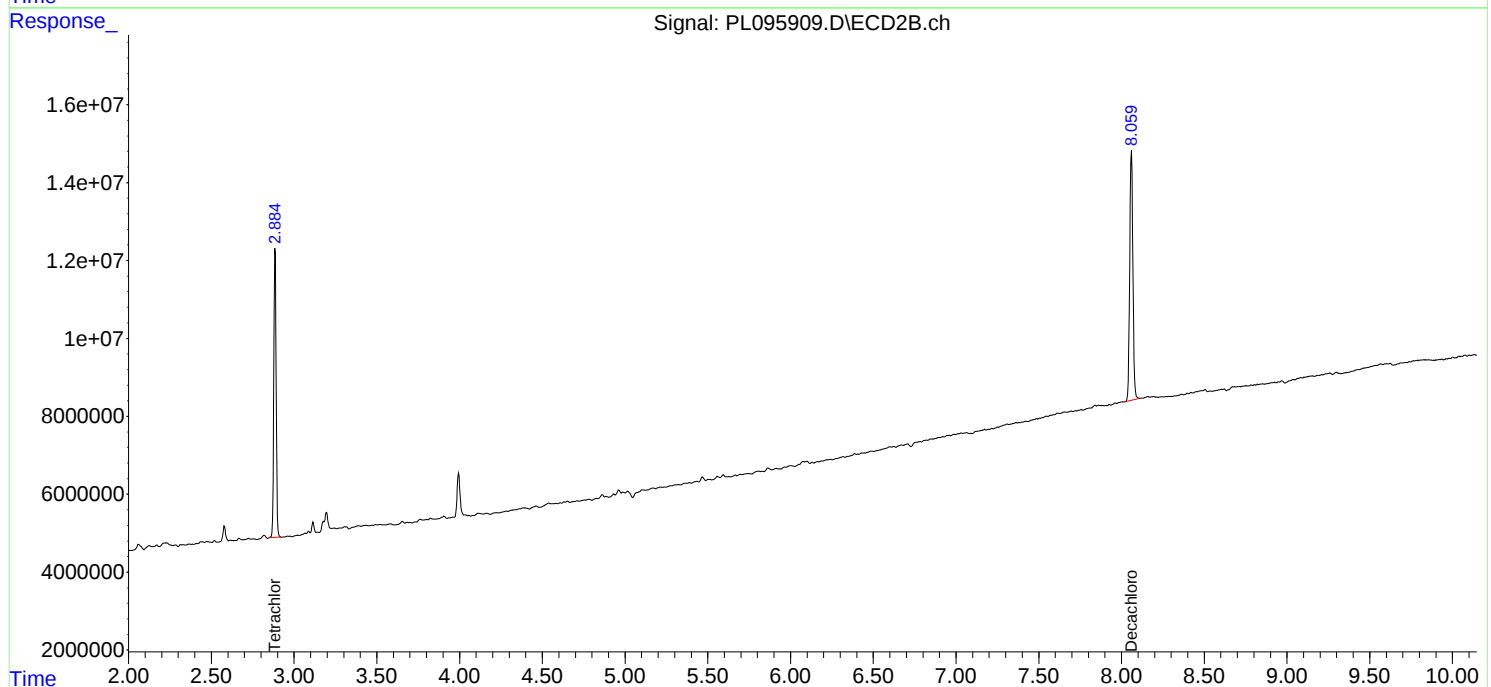
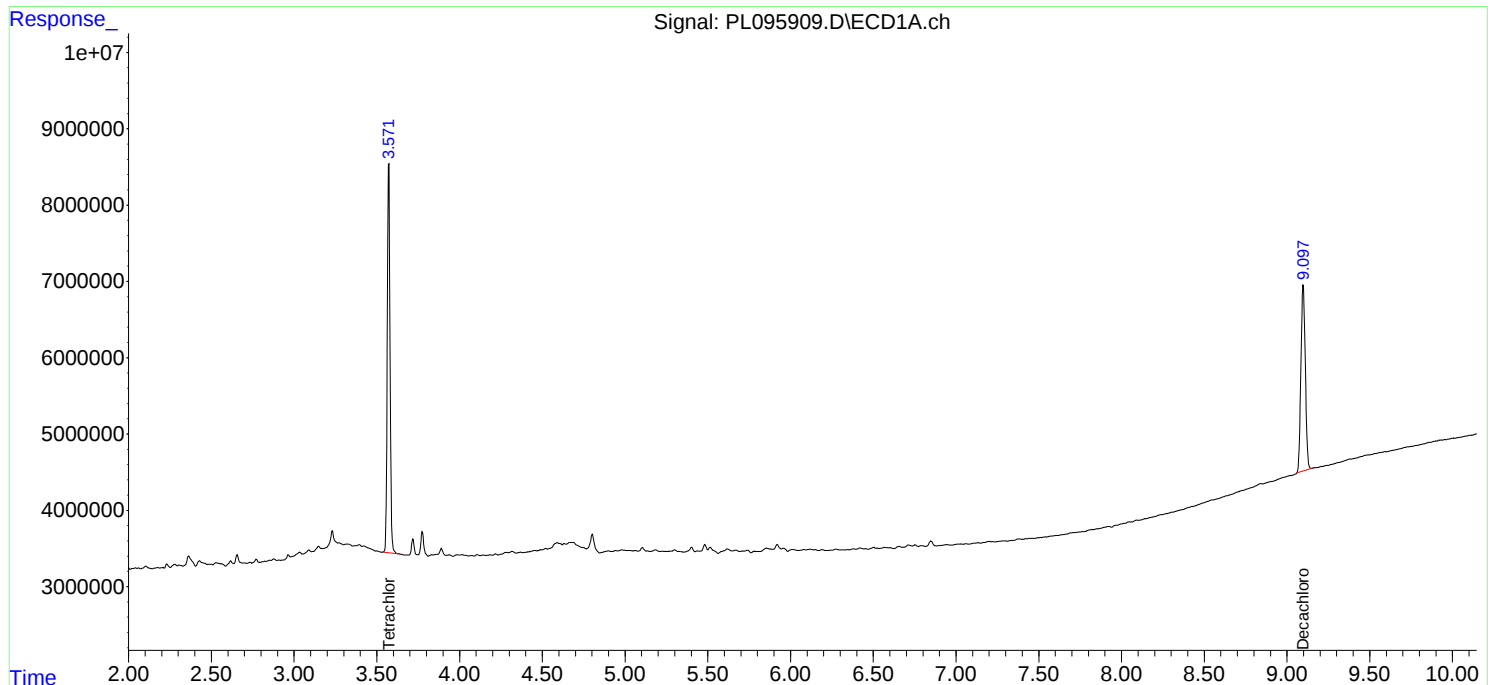
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

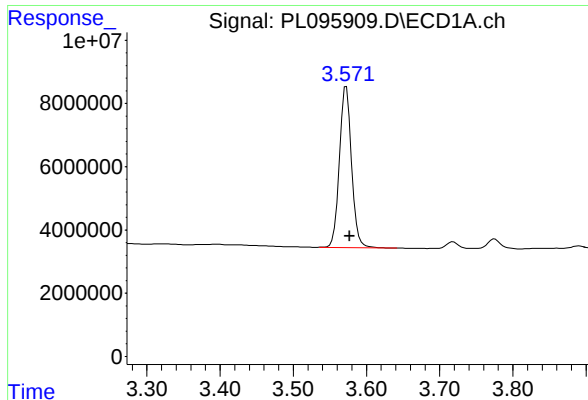
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095909.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:46
Operator : AR\AJ
Sample : Q2177-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
B-187-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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

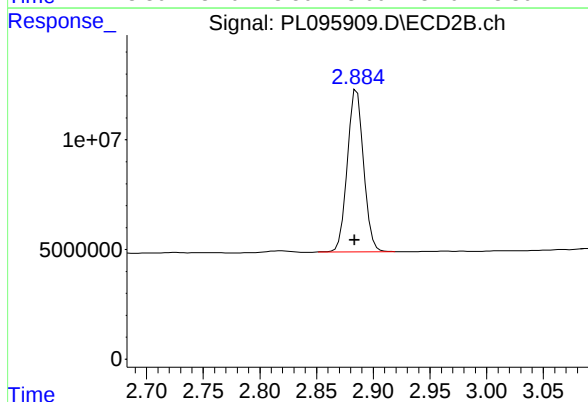




#1 Tetrachloro-m-xylene

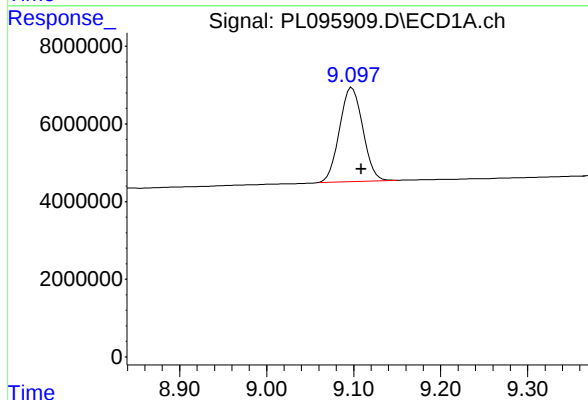
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 58647653
Conc: 18.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
B-187-SB02



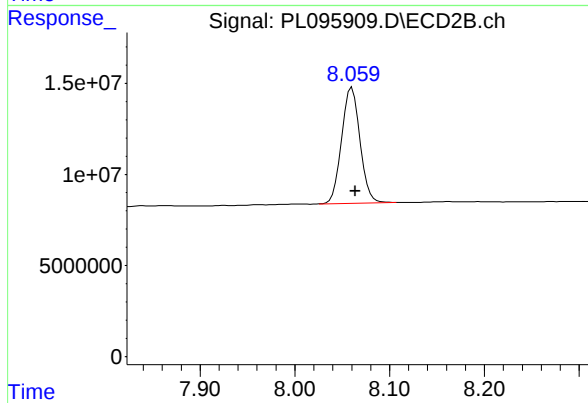
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 73689880
Conc: 18.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 45123175
Conc: 19.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 85632807
Conc: 19.58 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095910.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 19:59
 Operator : AR\AJ
 Sample : Q2177-07
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 B-202-SB01

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 06/04/2025
 Supervised By : mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 03:40:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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...	3.572	2.885	58846542	71932684	18.650	18.379
28) SA Decachlor...	9.097	8.059	43981730	84681385	18.665	19.358
Target Compounds						
13) MA Dieldrin	6.375	5.502	2334101	13197729	0.605m	2.490m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095910.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:59
Operator : AR\AJ
Sample : Q2177-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

B-202-SB01

Manual Integrations

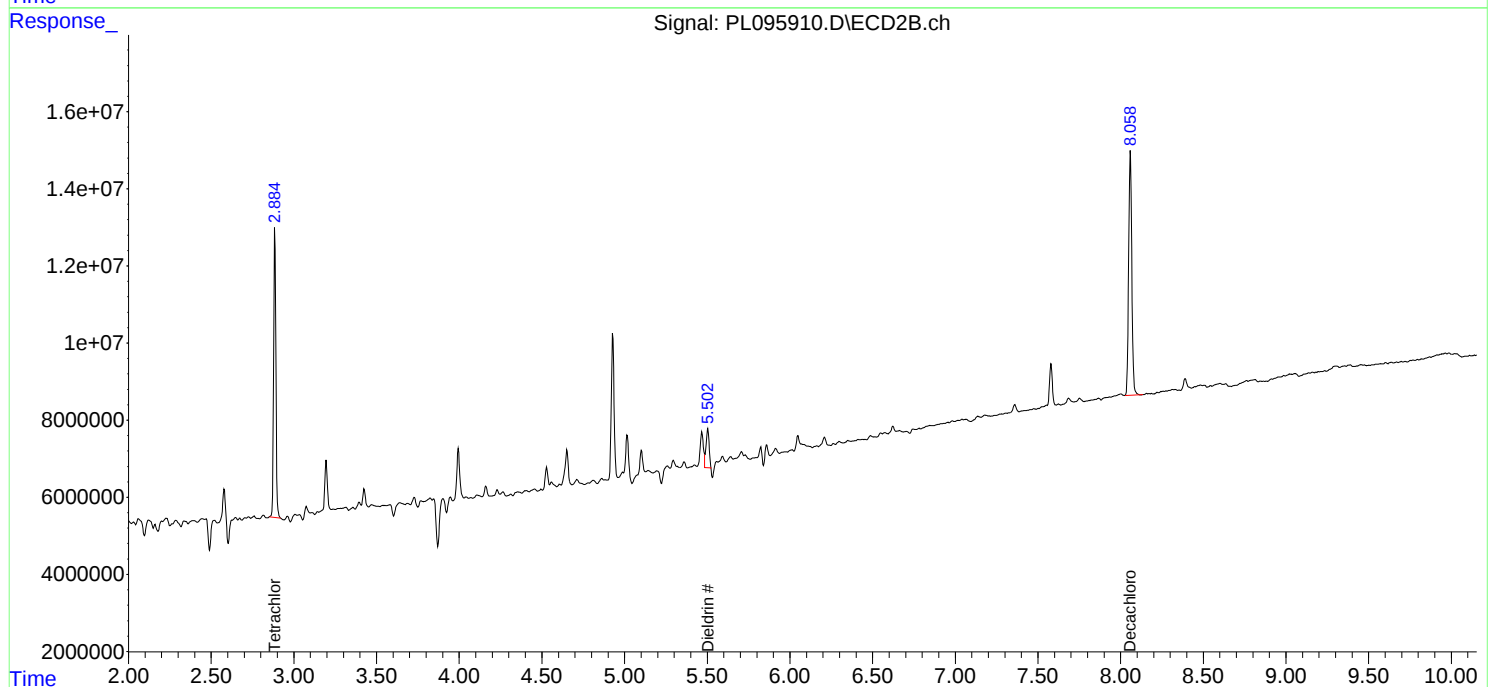
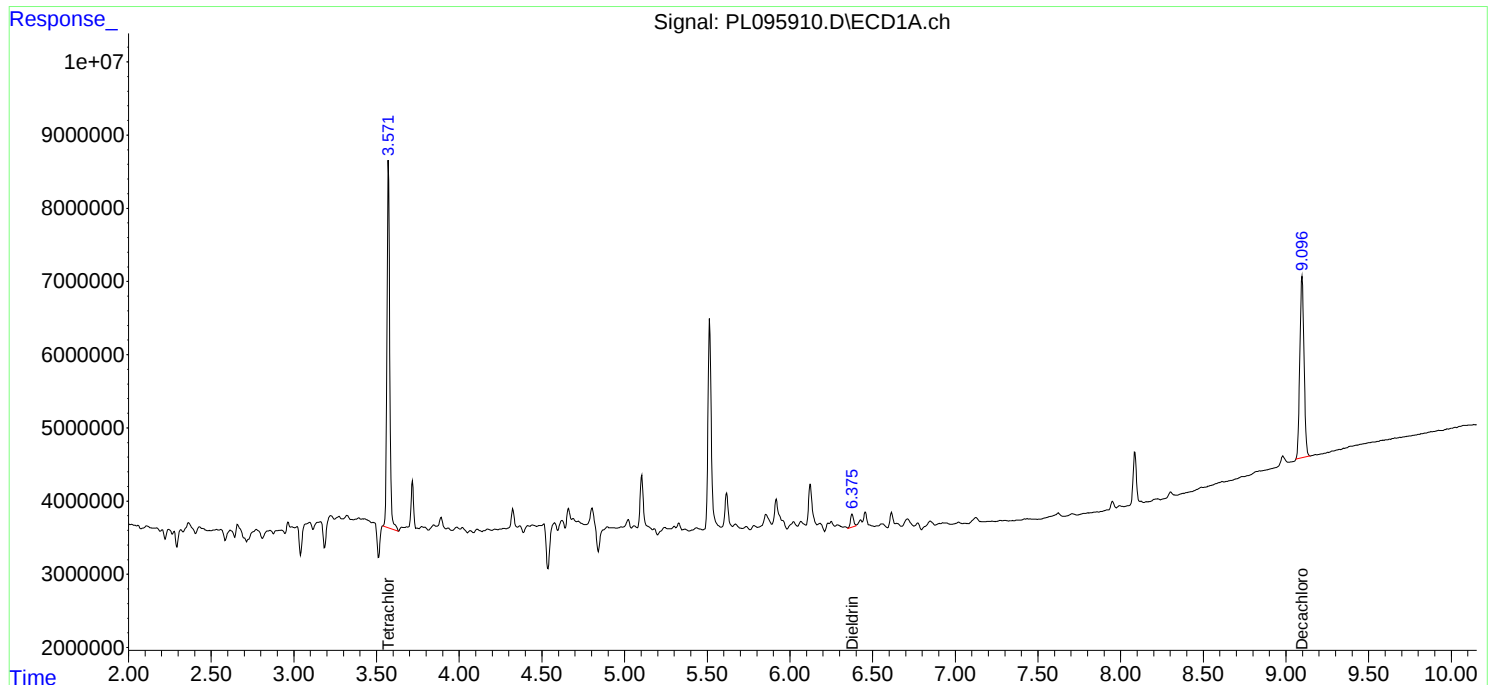
APPROVED

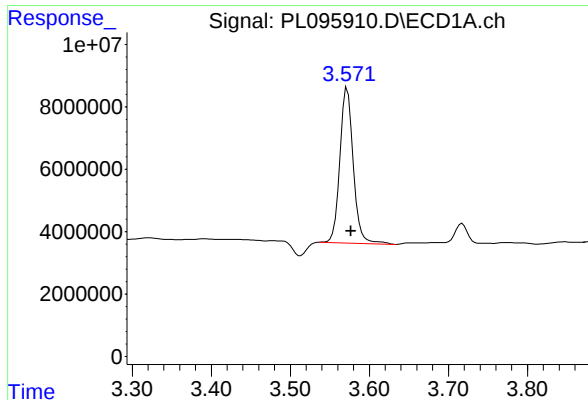
Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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





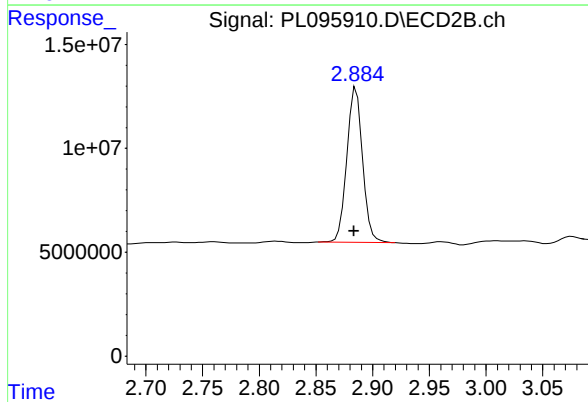
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 58846542
Conc: 18.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
B-202-SB01

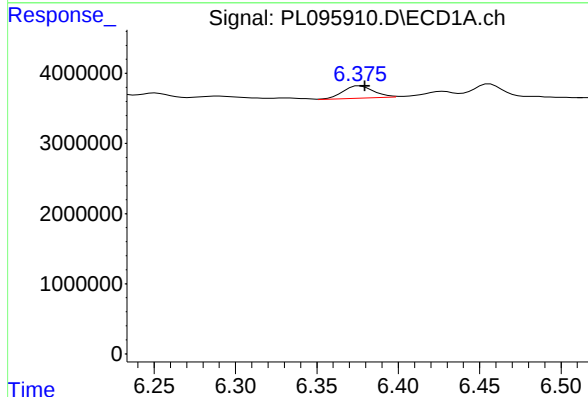
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



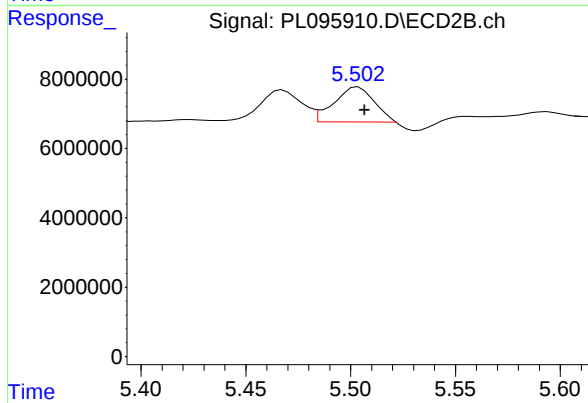
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 71932684
Conc: 18.38 ng/ml



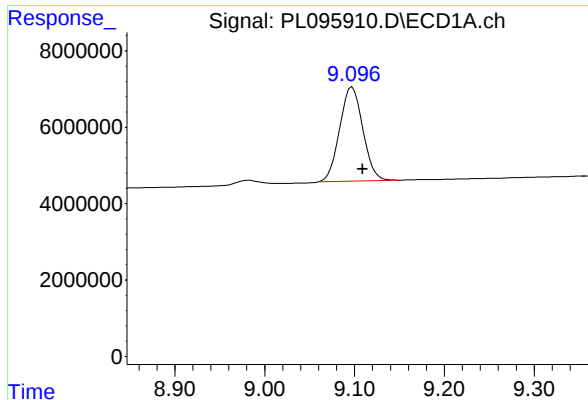
#13 Dieldrin

R.T.: 6.375 min
Delta R.T.: -0.004 min
Response: 2334101
Conc: 0.60 ng/ml m



#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.004 min
Response: 13197729
Conc: 2.49 ng/ml m



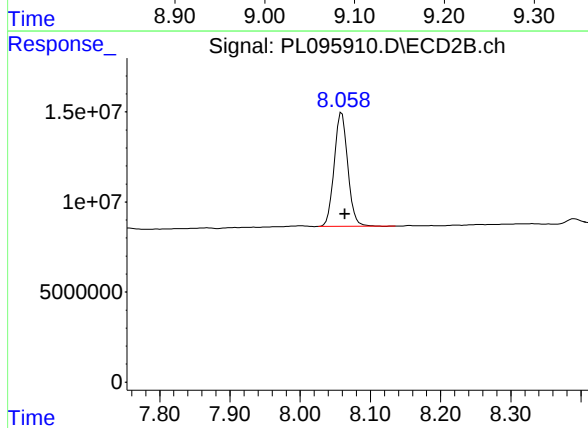
#28 Decachlorobiphenyl

R.T.: 9.097 min
Delta R.T.: -0.012 min
Response: 43981730
Conc: 18.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
B-202-SB01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 84681385
Conc: 19.36 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095902.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 18:10
 Operator : AR\AJ
 Sample : PB168264BL
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168264BL

A

B

C

D

E

F

G

H

I

J

K

L

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 03:39:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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...	3.572	2.885	59824314	75028691	18.960	19.170
28) SA Decachlor...	9.098	8.059	42546526	78198340	18.056	17.876

Target Compounds

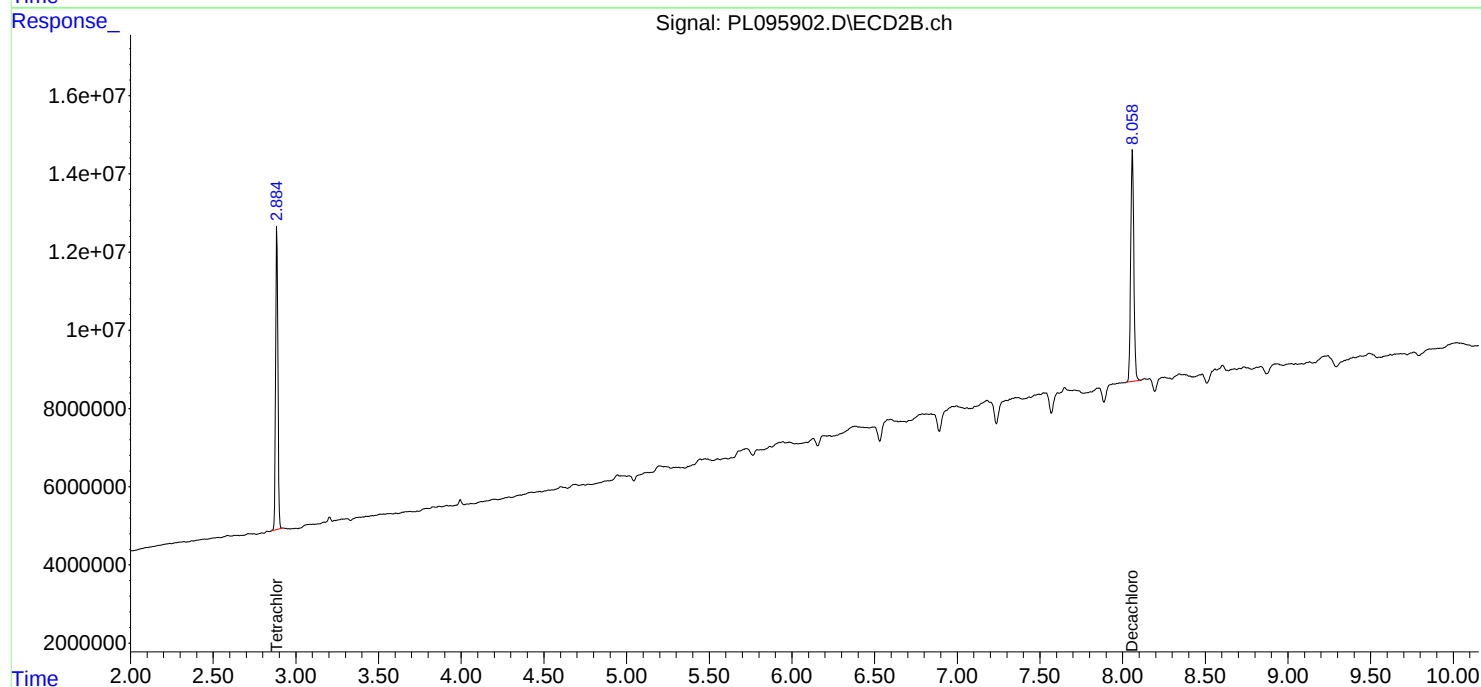
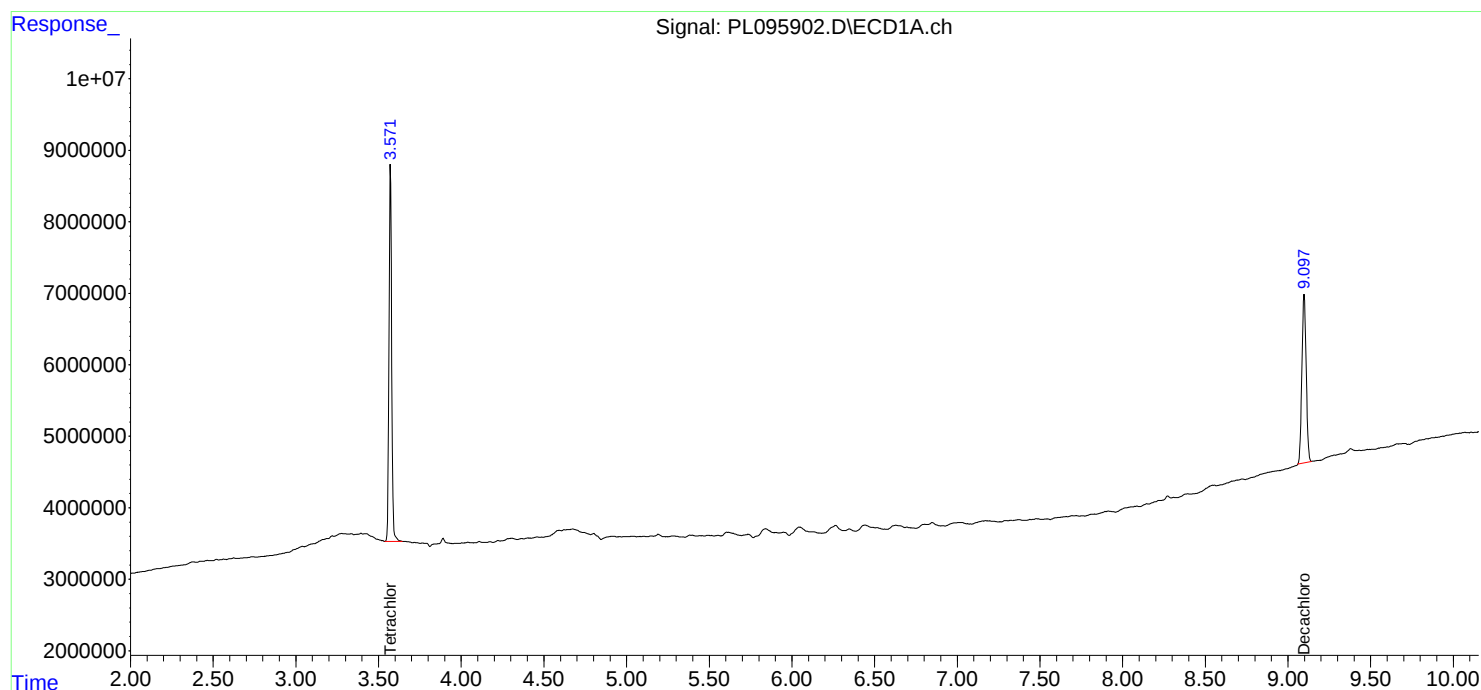
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

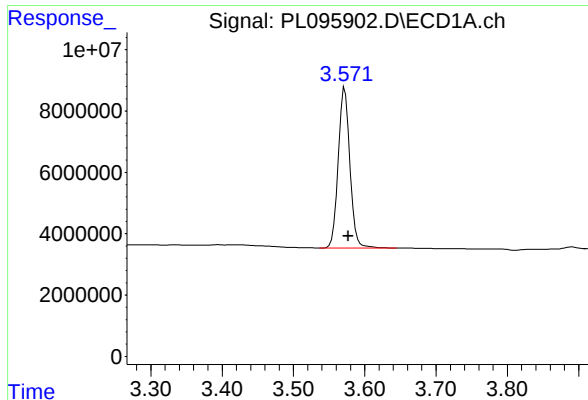
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095902.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:10
Operator : AR\AJ
Sample : PB168264BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168264BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:39:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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

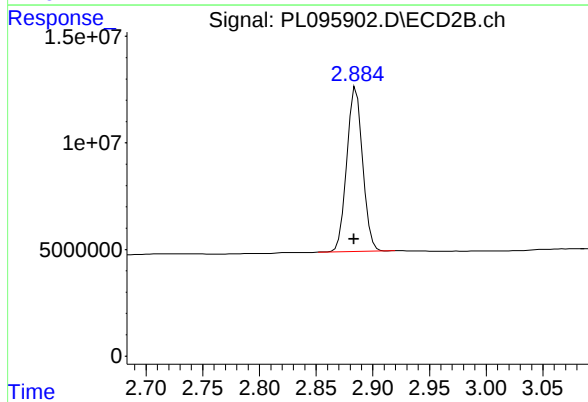




#1 Tetrachloro-m-xylene

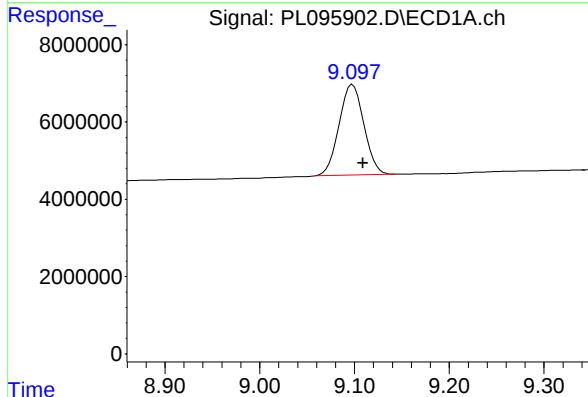
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 59824314
Conc: 18.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168264BL



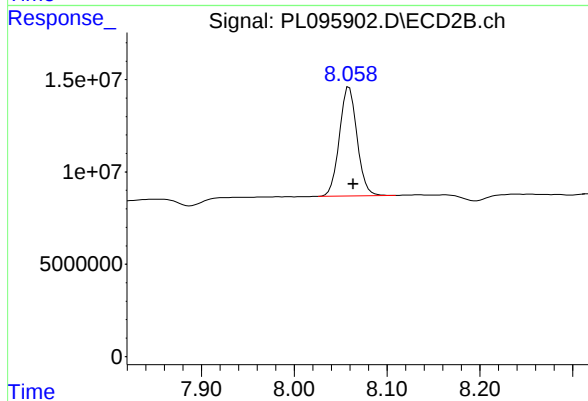
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 75028691
Conc: 19.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 42546526
Conc: 18.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 78198340
Conc: 17.88 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060425\
 Data File : PL095917.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 12:07
 Operator : AR\AJ
 Sample : PB168264BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB168264BS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 05 01:41:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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...	3.577	2.882	69630438	83635216	22.068	21.369
28)	SA Decachlor...	9.106	8.058	51809620	96608301	21.987	22.085
Target Compounds							
2)	A alpha-BHC	4.029	3.392	273.0E6	326.3E6	56.315	55.700
3)	MA gamma-BHC...	4.361	3.726	249.6E6	308.9E6	55.813	55.147
4)	MA Heptachlor	4.959	4.078	206.2E6	300.6E6	54.472	53.593
5)	MB Aldrin	5.301	4.363	239.4E6	293.9E6	55.958	55.374
6)	B beta-BHC	4.549	4.021	107.0E6	132.0E6	54.280	53.298
7)	B delta-BHC	4.797	4.257	244.1E6	309.3E6	55.054	54.769
8)	B Heptachlo...	5.722	4.865	210.9E6	272.3E6	55.250	55.151
9)	A Endosulfan I	6.105	5.238	199.6E6	265.3E6	54.471	55.668
10)	B gamma-Chl...	5.976	5.118	214.1E6	293.0E6	55.000	55.786
11)	B alpha-Chl...	6.057	5.182	214.2E6	288.2E6	54.243	55.401
12)	B 4,4'-DDE	6.228	5.369	200.4E6	288.3E6	54.647	53.768
13)	MA Dieldrin	6.378	5.503	214.7E6	288.5E6	55.642	54.437
14)	MA Endrin	6.606	5.776	157.7E6	238.8E6	48.874	48.975m
15)	B Endosulfa...	6.818	6.068	177.1E6	261.4E6	51.404	55.010
16)	A 4,4'-DDD	6.738	5.922	165.3E6	253.0E6	56.401	57.689
17)	MA 4,4'-DDT	7.053	6.175	133.2E6	226.7E6	49.246	47.398
18)	B Endrin al...	6.947	6.246	132.7E6	195.0E6	54.897	56.449
19)	B Endosulfa...	7.181	6.470	160.6E6	245.0E6	53.776	54.502
20)	A Methoxychlor	7.526	6.745	62825073	117.4E6	49.262	44.888
21)	B Endrin ke...	7.662	6.975	178.9E6	293.6E6	56.493	56.752
22)	Mirex	8.143	7.169	124.6E6	216.7E6	53.840	53.374

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060425\
Data File : PL095917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:07
Operator : AR\AJ
Sample : PB168264BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB168264BS

Manual Integrations

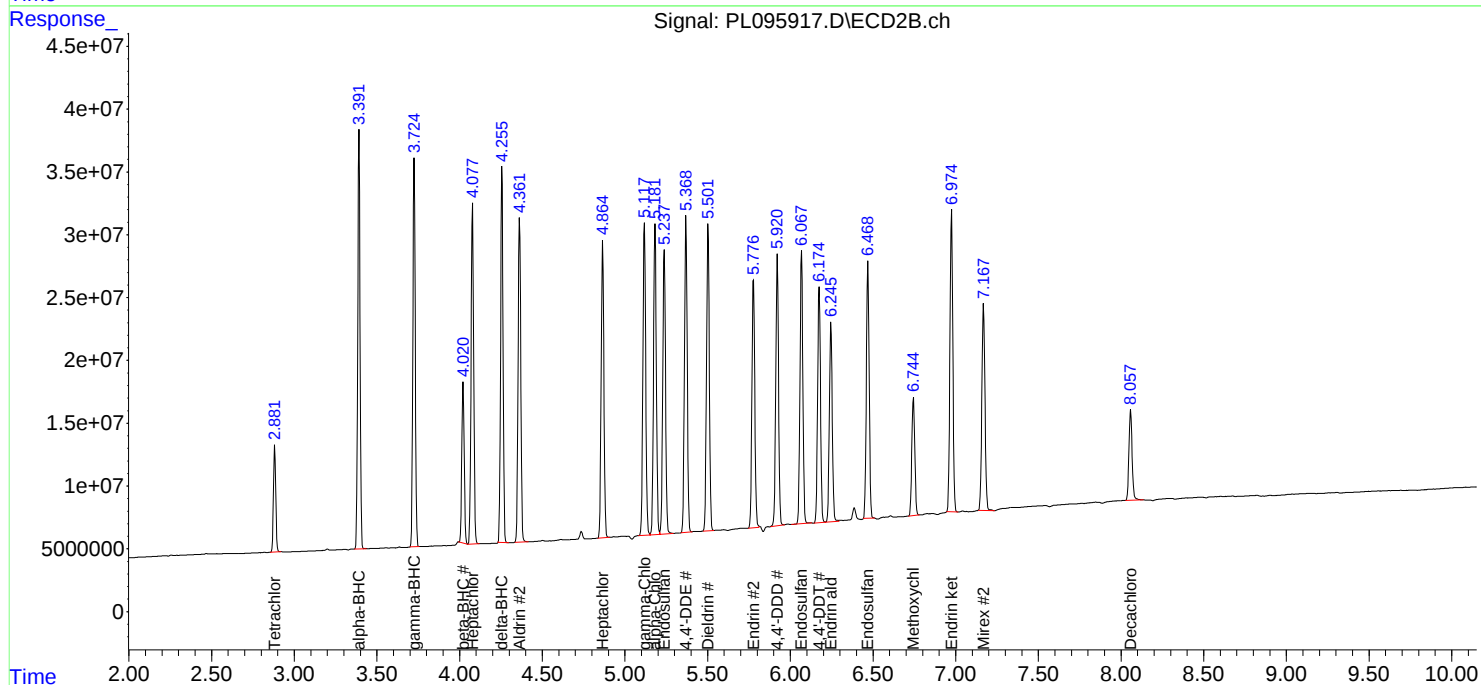
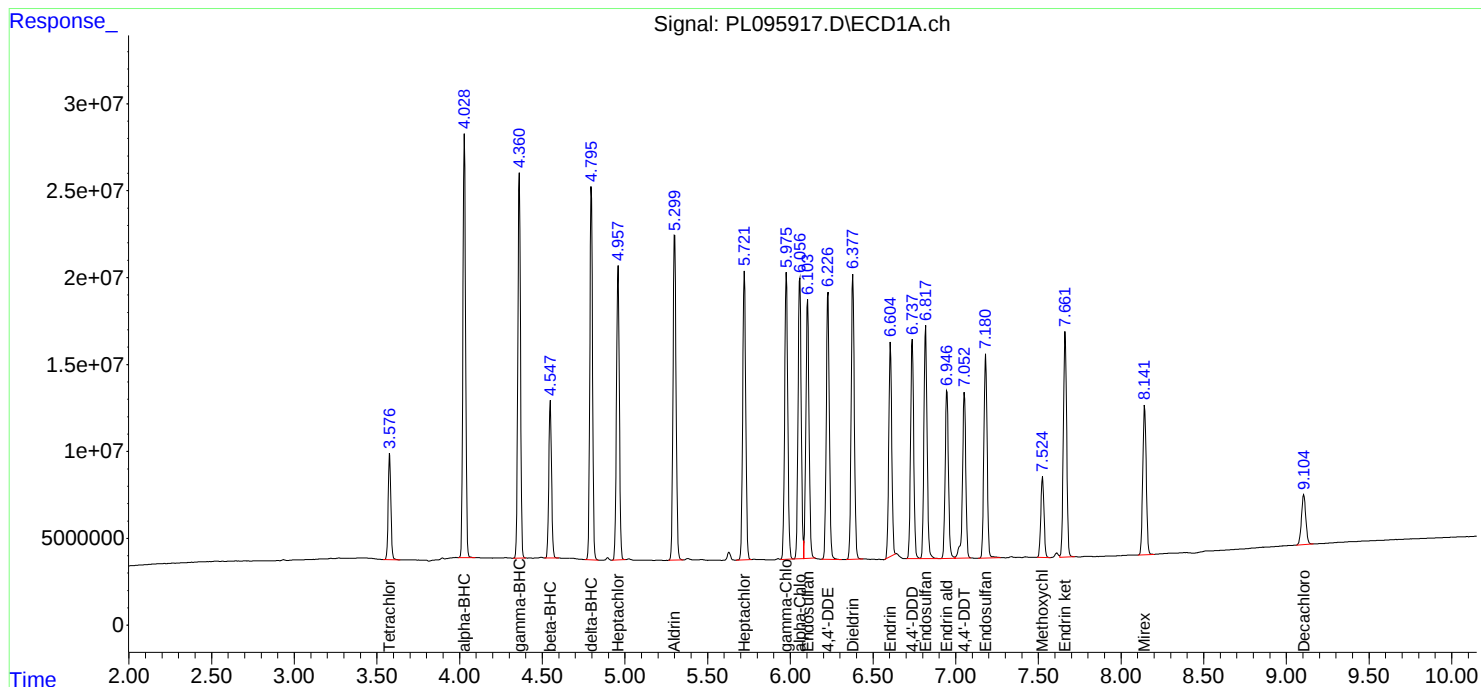
APPROVED

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:41:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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\PL060325\
 Data File : PL095898.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 17:15
 Operator : AR\AJ
 Sample : Q2173-06MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OR-400-CF-402B-COMP-23MS

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 06/04/2025
 Supervised By : mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 03:39:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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...	3.572	2.886	58509111	73778723	18.543	18.850
28) SA Decachlor...	9.099	8.060	41292066	71495810	17.524	16.344
Target Compounds						
2) A alpha-BHC	4.024	3.396	243.9E6	308.6E6	50.303	52.687
3) MA gamma-BHC...	4.355	3.729	222.5E6	285.5E6	49.756	50.963
4) MA Heptachlor	4.953	4.081	181.4E6	272.6E6	47.929	48.594
5) MB Aldrin	5.295	4.366	191.3E6	251.3E6	44.716	47.346
6) B beta-BHC	4.543	4.023	96082723	127.2E6	48.739	51.329m
7) B delta-BHC	4.791	4.260	221.7E6	286.9E6	50.004	50.796
8) B Heptachlo...	5.716	4.868	182.1E6	247.8E6	47.710	50.179
9) A Endosulfan I	6.099	5.240	172.1E6	233.7E6	46.967	49.045
10) B gamma-Chl...	5.970	5.120	183.6E6	258.7E6	47.162	49.248
11) B alpha-Chl...	6.052	5.185	182.5E6	254.1E6	46.213	48.843
12) B 4,4'-DDE	6.221	5.371	169.6E6	252.1E6	46.235	47.006
13) MA Dieldrin	6.373	5.505	183.9E6	252.0E6	47.644	47.549
14) MA Endrin	6.600	5.779	144.6E6	217.5E6	44.823	44.602
15) B Endosulfa...	6.812	6.070	154.6E6	229.1E6	44.856	48.223
16) A 4,4'-DDD	6.732	5.923	136.1E6	213.8E6	46.448	48.753
17) MA 4,4'-DDT	7.047	6.176	124.1E6	207.1E6	45.863	43.298
18) B Endrin al...	6.941	6.248	116.5E6	167.1E6	48.203	48.368
19) B Endosulfa...	7.176	6.471	138.6E6	207.5E6	46.419	46.163
20) A Methoxychlor	7.520	6.747	57735485	108.9E6	45.271	41.623
21) B Endrin ke...	7.657	6.977	152.1E6	234.9E6	48.018	45.397
22) Mirex	8.138	7.170	106.6E6	176.4E6	46.063	43.452

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095898.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 17:15
Operator : AR\AJ
Sample : Q2173-06MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

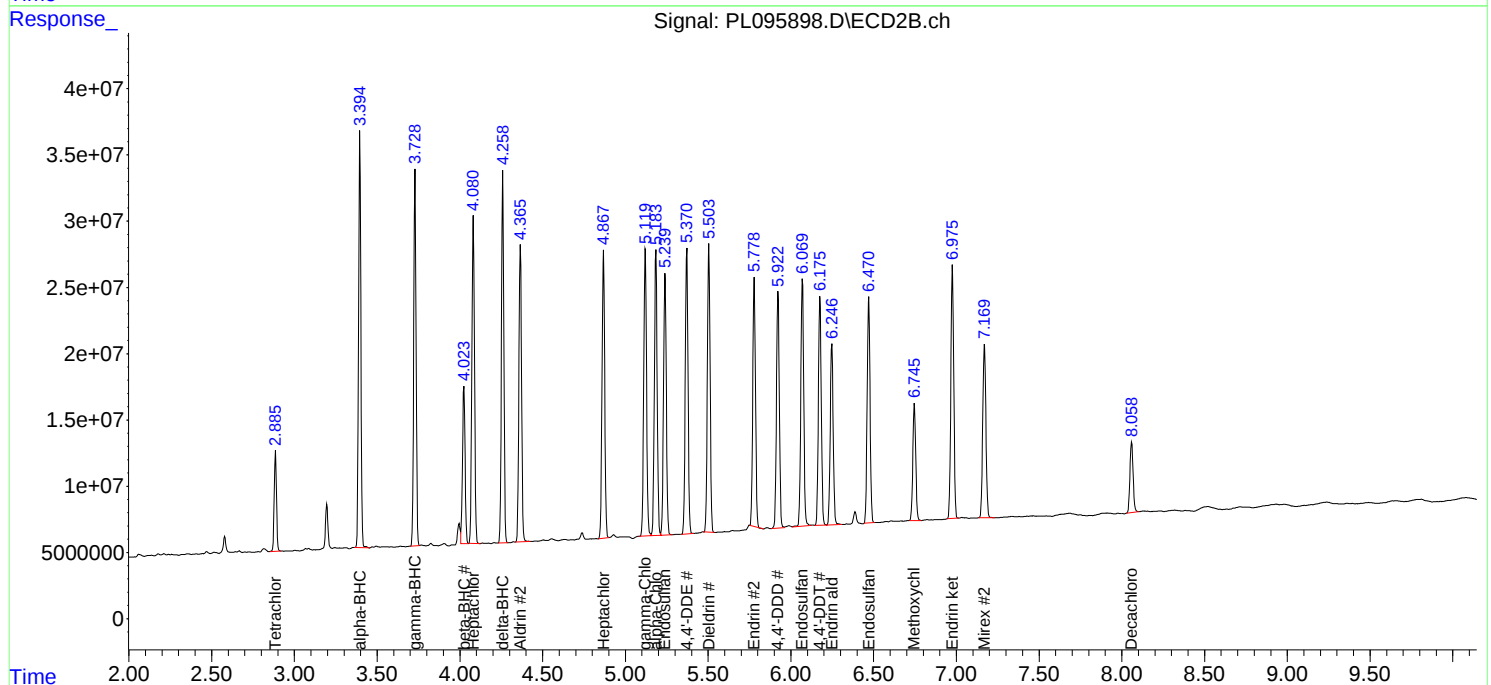
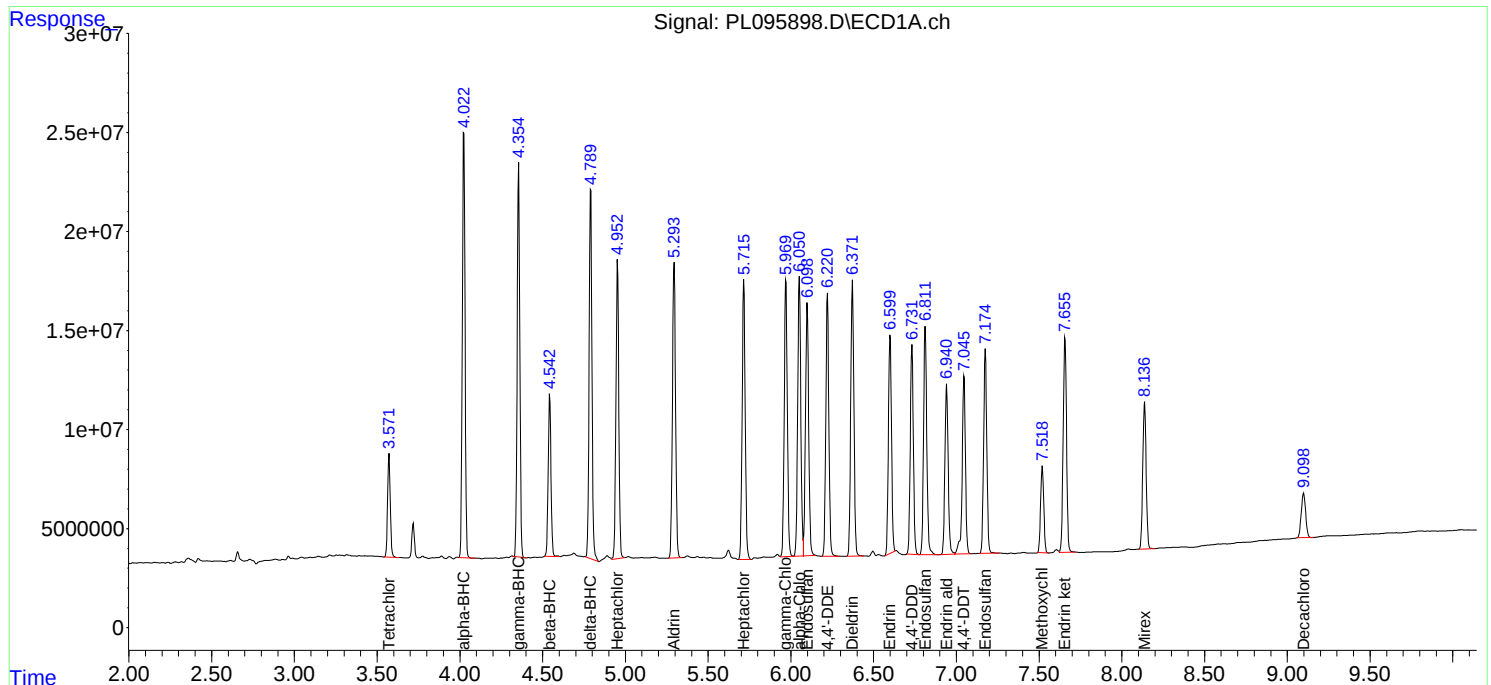
Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:39:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 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\PL060325\
 Data File : PL095899.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 17:29
 Operator : AR\AJ
 Sample : Q2173-06MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OR-400-CF-402B-COMP-23MSD

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 06/04/2025
 Supervised By : mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 03:39:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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...	3.573	2.885	59042256	74399020	18.712	19.009
28)	SA Decachlor...	9.099	8.060	41242495	74886259	17.503	17.119
Target Compounds							
2)	A alpha-BHC	4.024	3.395	247.3E6	312.1E6	51.009	53.276
3)	MA gamma-BHC...	4.356	3.729	226.0E6	289.4E6	50.547	51.672
4)	MA Heptachlor	4.953	4.081	183.0E6	275.7E6	48.342	49.156
5)	MB Aldrin	5.295	4.366	193.8E6	252.6E6	45.307	47.594
6)	B beta-BHC	4.543	4.023	97960535	129.6E6	49.692	52.295m
7)	B delta-BHC	4.791	4.259	222.8E6	289.8E6	50.245	51.324
8)	B Heptachlo...	5.717	4.868	184.6E6	249.4E6	48.374	50.520
9)	A Endosulfan I	6.100	5.240	173.4E6	239.0E6	47.321	50.162
10)	B gamma-Chl...	5.971	5.120	184.0E6	263.7E6	47.285	50.198
11)	B alpha-Chl...	6.052	5.184	183.5E6	259.1E6	46.482	49.798
12)	B 4,4'-DDE	6.222	5.371	170.9E6	257.6E6	46.589	48.036
13)	MA Dieldrin	6.373	5.505	185.5E6	256.5E6	48.059	48.394
14)	MA Endrin	6.600	5.780	147.2E6	220.3E6	45.605	45.189
15)	B Endosulfa...	6.813	6.069	157.3E6	230.7E6	45.650	48.545m
16)	A 4,4'-DDD	6.732	5.923	137.9E6	216.3E6	47.061	49.318
17)	MA 4,4'-DDT	7.047	6.176	123.8E6	211.3E6	45.769	44.191
18)	B Endrin al...	6.942	6.248	117.0E6	172.4E6	48.406	49.898
19)	B Endosulfa...	7.176	6.471	139.0E6	214.4E6	46.539	47.703
20)	A Methoxychlor	7.520	6.747	58348964	109.5E6	45.752	41.863
21)	B Endrin ke...	7.657	6.977	152.9E6	242.1E6	48.289	46.794
22)	Mirex	8.138	7.170	107.2E6	178.4E6	46.335	43.924

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095899.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 17:29
Operator : AR\AJ
Sample : Q2173-06MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

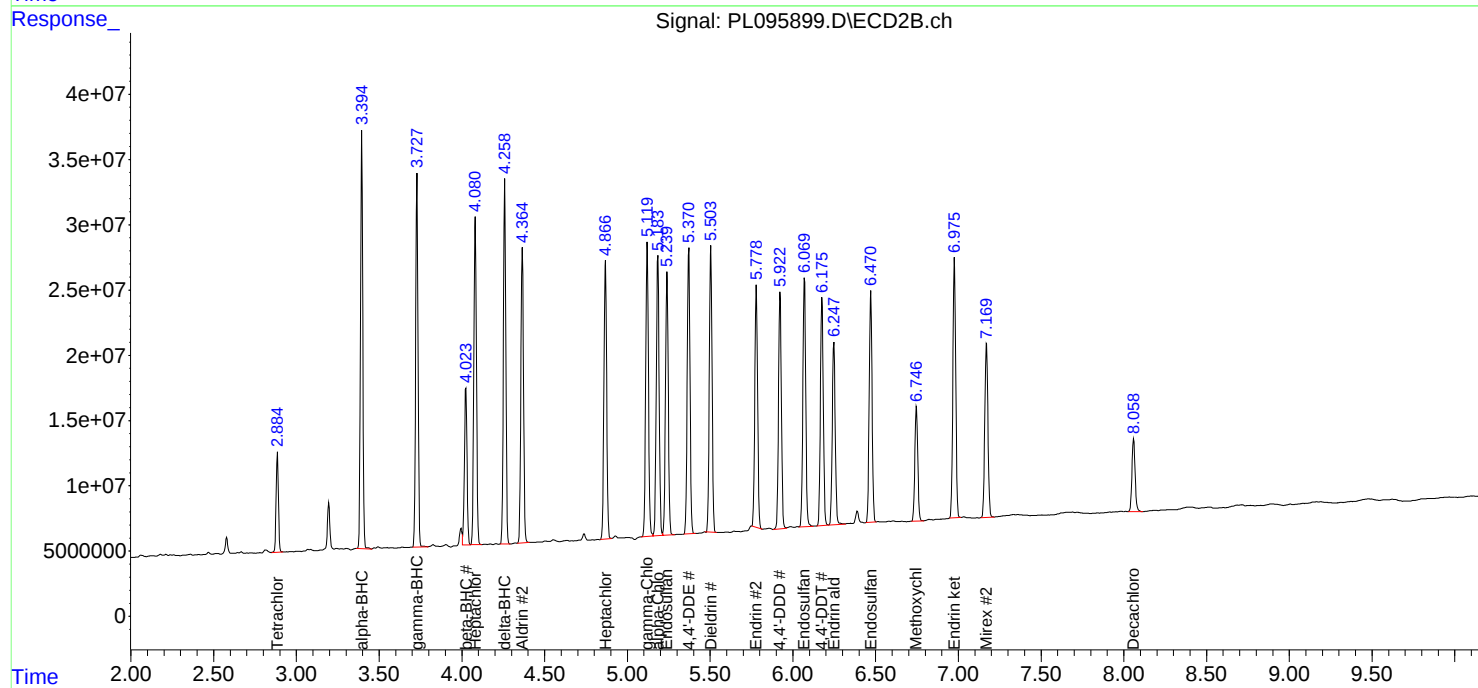
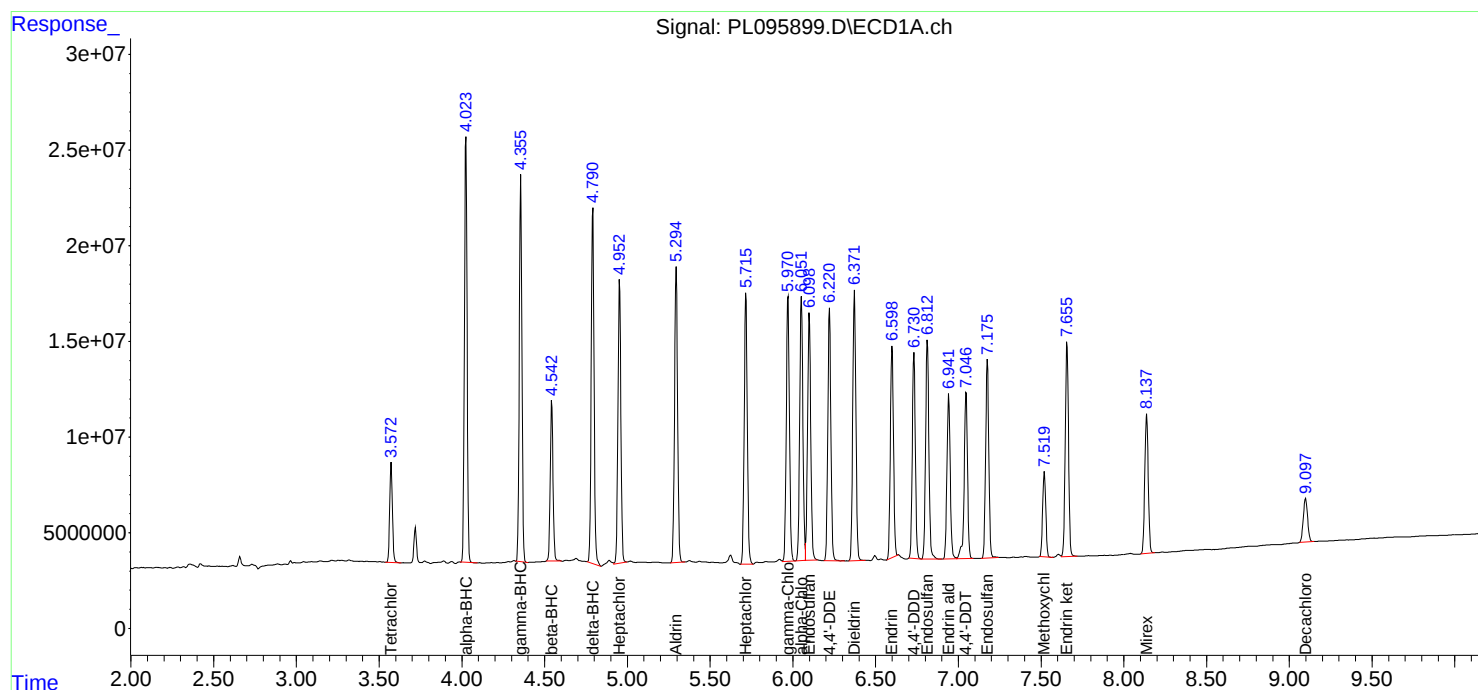
Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/04/2025
Supervised By : mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:39:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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:	PL052125	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095733.D	4,4"-DDD	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	4,4"-DDD #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	beta-BHC #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin aldehyde	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin aldehyde #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin ketone	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin ketone #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
RESCHK	PL095734.D	Endosulfan I #2	Abdul	5/22/2025 8:03:50 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
RESCHK	PL095734.D	Endrin ketone	Abdul	5/22/2025 8:03:50 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC025	PL095738.D	Endrin ketone	Abdul	5/22/2025 8:03:56 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	beta-BHC #2	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	Endosulfan II	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	Endrin ketone	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PL052125

Instrument

ECD_I

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	pl060325	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095879.D	4,4"-DDD	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095879.D	Endrin #2	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095879.D	Endrin aldehyde	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095879.D	Endrin aldehyde #2	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095880.D	Endosulfan II #2	Abdul	6/4/2025 9:55:52 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095880.D	Endrin #2	Abdul	6/4/2025 9:55:52 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	4,4"-DDD #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	Aldrin #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	Endrin #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	Mirex #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2173-06MS	PL095898.D	beta-BHC #2	Abdul	6/4/2025 9:57:49 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2173-06MSD	PL095899.D	beta-BHC #2	Abdul	6/4/2025 9:57:53 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2173-06MSD	PL095899.D	Endosulfan II #2	Abdul	6/4/2025 9:57:53 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software

Manual Integration Report

Sequence:

pl060325

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095906.D	4,4"-DDD	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	4,4"-DDE	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	4,4"-DDE #2	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	Endrin #2	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	Endrin aldehyde	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	4,4"-DDE #2	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	Aldrin #2	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	Endrin #2	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	gamma-Chlordane	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2177-07	PL095910.D	Dieldrin	Abdul	6/4/2025 9:58:14 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2177-07	PL095910.D	Dieldrin #2	Abdul	6/4/2025 9:58:14 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	4,4"-DDE #2	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	Aldrin #2	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software

Manual Integration Report

Sequence:	pl060325	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095912.D	Endrin #2	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	gamma-Chlordane	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software

Manual Integration Report

Sequence:	pl060425	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095915.D	4,4"-DDD	Abdul	6/5/2025 8:34:35 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PEM	PL095915.D	4,4"-DDE	Abdul	6/5/2025 8:34:35 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PEM	PL095915.D	4,4"-DDE #2	Abdul	6/5/2025 8:34:35 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PEM	PL095915.D	Endrin	Abdul	6/5/2025 8:34:35 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PEM	PL095915.D	Endrin #2	Abdul	6/5/2025 8:34:35 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PEM	PL095915.D	Endrin aldehyde	Abdul	6/5/2025 8:34:35 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PB168264BS	PL095917.D	Endrin #2	Abdul	6/5/2025 8:34:38 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PSTDCCC050	PL095928.D	gamma-Chlordane	Abdul	6/5/2025 8:35:01 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PSTDCCC050	PL095935.D	4,4"-DDE #2	Abdul	6/5/2025 8:35:24 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM
SubDirectory	PL052125	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,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	PL095731.D	21 May 2025 10:33	AR\AJ	Ok
2	I.BLK	PL095732.D	21 May 2025 10:47	AR\AJ	Ok
3	PEM	PL095733.D	21 May 2025 11:01	AR\AJ	Ok,M
4	RESCHK	PL095734.D	21 May 2025 11:14	AR\AJ	Ok,M
5	PSTDICC100	PL095735.D	21 May 2025 11:35	AR\AJ	Ok
6	PSTDICC075	PL095736.D	21 May 2025 11:48	AR\AJ	Ok
7	PSTDICC050	PL095737.D	21 May 2025 12:02	AR\AJ	Ok
8	PSTDICC025	PL095738.D	21 May 2025 12:15	AR\AJ	Ok,M
9	PSTDICC005	PL095739.D	21 May 2025 12:29	AR\AJ	Ok,M
10	PCHLORICC1000	PL095740.D	21 May 2025 12:42	AR\AJ	Ok
11	PCHLORICC750	PL095741.D	21 May 2025 12:56	AR\AJ	Ok
12	PCHLORICC500	PL095742.D	21 May 2025 13:10	AR\AJ	Ok
13	PCHLORICC250	PL095743.D	21 May 2025 13:23	AR\AJ	Ok
14	PCHLORICC050	PL095744.D	21 May 2025 13:37	AR\AJ	Ok,M
15	PTOXICC1000	PL095745.D	21 May 2025 13:50	AR\AJ	Ok
16	PTOXICC750	PL095746.D	21 May 2025 14:04	AR\AJ	Ok
17	PTOXICC500	PL095747.D	21 May 2025 14:18	AR\AJ	Ok
18	PTOXICC250	PL095748.D	21 May 2025 14:31	AR\AJ	Ok
19	PTOXICC100	PL095749.D	21 May 2025 14:45	AR\AJ	Ok,M
20	PSTDICV050	PL095750.D	21 May 2025 14:58	AR\AJ	Ok
21	PCHLORICV500	PL095751.D	21 May 2025 15:12	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM
SubDirectory	PL052125	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL095752.D	21 May 2025 15:26	AR\AJ	Ok
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M : Manual Integration



Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM
SubDirectory	PL060325	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,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	PL095877.D	03 Jun 2025 09:15	AR\AJ	Ok
2	I.BLK	PL095878.D	03 Jun 2025 09:28	AR\AJ	Ok
3	PEM	PL095879.D	03 Jun 2025 09:42	AR\AJ	Ok,M
4	PSTDCCC050	PL095880.D	03 Jun 2025 09:56	AR\AJ	Ok,M
5	PB168253BL	PL095881.D	03 Jun 2025 12:49	AR\AJ	Ok
6	PB168253BS	PL095882.D	03 Jun 2025 13:03	AR\AJ	Ok
7	Q2185-01	PL095883.D	03 Jun 2025 13:47	AR\AJ	Ok,M
8	Q2185-05	PL095884.D	03 Jun 2025 14:01	AR\AJ	Ok,M
9	Q2176-01	PL095885.D	03 Jun 2025 14:14	AR\AJ	Ok,M
10	Q2176-02	PL095886.D	03 Jun 2025 14:28	AR\AJ	Ok,M
11	Q2176-03	PL095887.D	03 Jun 2025 14:42	AR\AJ	Ok,M
12	Q2176-03MS	PL095888.D	03 Jun 2025 14:55	AR\AJ	Ok,M
13	Q2176-03MSD	PL095889.D	03 Jun 2025 15:09	AR\AJ	Ok,M
14	Q2176-04	PL095890.D	03 Jun 2025 15:22	AR\AJ	Ok,M
15	Q2176-05	PL095891.D	03 Jun 2025 15:36	AR\AJ	Ok,M
16	Q2176-06	PL095892.D	03 Jun 2025 15:50	AR\AJ	Ok
17	Q2176-07	PL095893.D	03 Jun 2025 16:03	AR\AJ	Ok,M
18	Q2176-08	PL095894.D	03 Jun 2025 16:17	AR\AJ	Ok
19	Q2173-06	PL095895.D	03 Jun 2025 16:34	AR\AJ	Ok,M
20	I.BLK	PL095896.D	03 Jun 2025 16:48	AR\AJ	Ok
21	PSTDCCC050	PL095897.D	03 Jun 2025 17:01	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM
SubDirectory	PL060325	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2173-06MS	PL095898.D	03 Jun 2025 17:15	AR\AJ	Ok,M
23	Q2173-06MSD	PL095899.D	03 Jun 2025 17:29	AR\AJ	Ok,M
24	Q2173-12	PL095900.D	03 Jun 2025 17:42	AR\AJ	Ok
25	Q2173-18	PL095901.D	03 Jun 2025 17:57	AR\AJ	Ok,M
26	PB168264BL	PL095902.D	03 Jun 2025 18:10	AR\AJ	Ok
27	PB168264BS	PL095903.D	03 Jun 2025 18:24	AR\AJ	Not Ok
28	PB168224TB	PL095904.D	03 Jun 2025 18:38	AR\AJ	Ok
29	I.BLK	PL095905.D	03 Jun 2025 18:51	AR\AJ	Ok
30	PEM	PL095906.D	03 Jun 2025 19:05	AR\AJ	Ok,M
31	PSTDCCC050	PL095907.D	03 Jun 2025 19:18	AR\AJ	Ok,M
32	Q2177-03	PL095908.D	03 Jun 2025 19:32	AR\AJ	Ok
33	Q2177-05	PL095909.D	03 Jun 2025 19:46	AR\AJ	Ok
34	Q2177-07	PL095910.D	03 Jun 2025 19:59	AR\AJ	Ok,M
35	I.BLK	PL095911.D	03 Jun 2025 20:13	AR\AJ	Ok
36	PSTDCCC050	PL095912.D	03 Jun 2025 20:27	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL060425

Review By	Abdul	Review On	6/5/2025 8:35:48 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:27 AM
SubDirectory	PL060425	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,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	PL095913.D	04 Jun 2025 10:45	AR\AJ	Ok
2	I.BLK	PL095914.D	04 Jun 2025 10:59	AR\AJ	Ok
3	PEM	PL095915.D	04 Jun 2025 11:12	AR\AJ	Ok,M
4	PSTDCCC050	PL095916.D	04 Jun 2025 11:26	AR\AJ	Ok
5	PB168264BS	PL095917.D	04 Jun 2025 12:07	AR\AJ	Ok,M
6	I.BLK	PL095918.D	04 Jun 2025 13:08	AR\AJ	Ok
7	PSTDCCC050	PL095919.D	04 Jun 2025 13:22	AR\AJ	Ok
8	PB168289BL	PL095920.D	04 Jun 2025 15:57	AR\AJ	Ok
9	PB168289BS	PL095921.D	04 Jun 2025 16:11	AR\AJ	Ok
10	Q2182-01	PL095922.D	04 Jun 2025 16:24	AR\AJ	Ok,M
11	Q2199-01	PL095923.D	04 Jun 2025 16:38	AR\AJ	Ok,M
12	Q2199-03	PL095924.D	04 Jun 2025 16:52	AR\AJ	Ok,M
13	Q2199-05	PL095925.D	04 Jun 2025 17:05	AR\AJ	Dilution
14	PB168289BS	PL095926.D	04 Jun 2025 17:19	AR\AJ	Not Ok
15	I.BLK	PL095927.D	04 Jun 2025 17:33	AR\AJ	Ok
16	PSTDCCC050	PL095928.D	04 Jun 2025 17:46	AR\AJ	Ok,M
17	Q2194-01	PL095929.D	04 Jun 2025 18:00	AR\AJ	Not Ok
18	Q2194-01MS	PL095930.D	04 Jun 2025 18:14	AR\AJ	Ok,M
19	Q2194-01MSD	PL095931.D	04 Jun 2025 18:27	AR\AJ	Ok,M
20	Q2194-03	PL095932.D	04 Jun 2025 18:41	AR\AJ	Ok,M
21	Q2195-01	PL095933.D	04 Jun 2025 18:55	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL060425

Review By	Abdul	Review On	6/5/2025 8:35:48 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:27 AM
SubDirectory	PL060425	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	I.BLK	PL095934.D	04 Jun 2025 19:22	AR\AJ	Ok
23	PSTDCCC050	PL095935.D	04 Jun 2025 20:44	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM
SubDirectory	PL052125	HP Acquire Method	HP Processing Method
			pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,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,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095731.D	21 May 2025 10:33		AR\AJ	Ok
2	I.BLK	I.BLK	PL095732.D	21 May 2025 10:47		AR\AJ	Ok
3	PEM	PEM	PL095733.D	21 May 2025 11:01		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL095734.D	21 May 2025 11:14		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL095735.D	21 May 2025 11:35		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL095736.D	21 May 2025 11:48		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL095737.D	21 May 2025 12:02		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL095738.D	21 May 2025 12:15		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL095739.D	21 May 2025 12:29		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL095740.D	21 May 2025 12:42		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL095741.D	21 May 2025 12:56		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL095742.D	21 May 2025 13:10		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL095743.D	21 May 2025 13:23		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL095744.D	21 May 2025 13:37		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL095745.D	21 May 2025 13:50		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL095746.D	21 May 2025 14:04		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL095747.D	21 May 2025 14:18		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL095748.D	21 May 2025 14:31		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM
SubDirectory	PL052125	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,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,PP24283,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	PL095749.D	21 May 2025 14:45		AR\AJ	Ok,M
20	PSTDICV050	ICVPL052125	PL095750.D	21 May 2025 14:58		AR\AJ	Ok
21	PCHLORICV500	ICVPL052125CHLOR	PL095751.D	21 May 2025 15:12		AR\AJ	Ok
22	PTOXICV500	ICVPL052125TOX	PL095752.D	21 May 2025 15:26		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM
SubDirectory	PL060325	HP Acquire Method	HP Processing Method p052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,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,PP24283,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	PL095877.D	03 Jun 2025 09:15		AR\AJ	Ok
2	I.BLK	I.BLK	PL095878.D	03 Jun 2025 09:28		AR\AJ	Ok
3	PEM	PEM	PL095879.D	03 Jun 2025 09:42		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095880.D	03 Jun 2025 09:56		AR\AJ	Ok,M
5	PB168253BL	PB168253BL	PL095881.D	03 Jun 2025 12:49		AR\AJ	Ok
6	PB168253BS	PB168253BS	PL095882.D	03 Jun 2025 13:03		AR\AJ	Ok
7	Q2185-01	TP02-MHB-WC	PL095883.D	03 Jun 2025 13:47		AR\AJ	Ok,M
8	Q2185-05	TP01-MHA-WC	PL095884.D	03 Jun 2025 14:01		AR\AJ	Ok,M
9	Q2176-01	TP-46	PL095885.D	03 Jun 2025 14:14		AR\AJ	Ok,M
10	Q2176-02	TP-56	PL095886.D	03 Jun 2025 14:28		AR\AJ	Ok,M
11	Q2176-03	TP-25	PL095887.D	03 Jun 2025 14:42		AR\AJ	Ok,M
12	Q2176-03MS	TP-25MS	PL095888.D	03 Jun 2025 14:55		AR\AJ	Ok,M
13	Q2176-03MSD	TP-25MSD	PL095889.D	03 Jun 2025 15:09		AR\AJ	Ok,M
14	Q2176-04	TP-26	PL095890.D	03 Jun 2025 15:22		AR\AJ	Ok,M
15	Q2176-05	TP-28	PL095891.D	03 Jun 2025 15:36		AR\AJ	Ok,M
16	Q2176-06	TP-27	PL095892.D	03 Jun 2025 15:50		AR\AJ	Ok
17	Q2176-07	TP-31	PL095893.D	03 Jun 2025 16:03		AR\AJ	Ok,M
18	Q2176-08	TP-65	PL095894.D	03 Jun 2025 16:17		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM
SubDirectory	PL060325	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2173-06	OR-400-CF-402B-COM	PL095895.D	03 Jun 2025 16:34		AR\AJ	Ok,M
20	I.BLK	I.BLK	PL095896.D	03 Jun 2025 16:48		AR\AJ	Ok
21	PSTDCCC050	PSTDCCC050	PL095897.D	03 Jun 2025 17:01		AR\AJ	Ok,M
22	Q2173-06MS	OR-400-CF-402B-COM	PL095898.D	03 Jun 2025 17:15		AR\AJ	Ok,M
23	Q2173-06MSD	OR-400-CF-402B-COM	PL095899.D	03 Jun 2025 17:29		AR\AJ	Ok,M
24	Q2173-12	OR-400-CF-402B-COM	PL095900.D	03 Jun 2025 17:42		AR\AJ	Ok
25	Q2173-18	OR-400-CF-402B-COM	PL095901.D	03 Jun 2025 17:57	DCB high in 2nd column	AR\AJ	Ok,M
26	PB168264BL	PB168264BL	PL095902.D	03 Jun 2025 18:10		AR\AJ	Ok
27	PB168264BS	PB168264BS	PL095903.D	03 Jun 2025 18:24	Looks like hexan	AR\AJ	Not Ok
28	PB168224TB	PB168224TB	PL095904.D	03 Jun 2025 18:38		AR\AJ	Ok
29	I.BLK	I.BLK	PL095905.D	03 Jun 2025 18:51		AR\AJ	Ok
30	PEM	PEM	PL095906.D	03 Jun 2025 19:05		AR\AJ	Ok,M
31	PSTDCCC050	PSTDCCC050	PL095907.D	03 Jun 2025 19:18		AR\AJ	Ok,M
32	Q2177-03	B-187-SB01	PL095908.D	03 Jun 2025 19:32		AR\AJ	Ok
33	Q2177-05	B-187-SB02	PL095909.D	03 Jun 2025 19:46		AR\AJ	Ok
34	Q2177-07	B-202-SB01	PL095910.D	03 Jun 2025 19:59		AR\AJ	Ok,M
35	I.BLK	I.BLK	PL095911.D	03 Jun 2025 20:13		AR\AJ	Ok
36	PSTDCCC050	PSTDCCC050	PL095912.D	03 Jun 2025 20:27		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL060425

Review By	Abdul	Review On	6/5/2025 8:35:48 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:27 AM
SubDirectory	PL060425	HP Acquire Method	HP Processing Method p052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,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,PP24283,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	PL095913.D	04 Jun 2025 10:45		AR\AJ	Ok
2	I.BLK	I.BLK	PL095914.D	04 Jun 2025 10:59		AR\AJ	Ok
3	PEM	PEM	PL095915.D	04 Jun 2025 11:12		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095916.D	04 Jun 2025 11:26		AR\AJ	Ok
5	PB168264BS	PB168264BS	PL095917.D	04 Jun 2025 12:07		AR\AJ	Ok,M
6	I.BLK	I.BLK	PL095918.D	04 Jun 2025 13:08		AR\AJ	Ok
7	PSTDCCC050	PSTDCCC050	PL095919.D	04 Jun 2025 13:22		AR\AJ	Ok
8	PB168289BL	PB168289BL	PL095920.D	04 Jun 2025 15:57		AR\AJ	Ok
9	PB168289BS	PB168289BS	PL095921.D	04 Jun 2025 16:11		AR\AJ	Ok
10	Q2182-01	OR-03-06022025	PL095922.D	04 Jun 2025 16:24		AR\AJ	Ok,M
11	Q2199-01	ETGI-343	PL095923.D	04 Jun 2025 16:38		AR\AJ	Ok,M
12	Q2199-03	VNJ-231	PL095924.D	04 Jun 2025 16:52		AR\AJ	Ok,M
13	Q2199-05	72-11978	PL095925.D	04 Jun 2025 17:05	need 2X	AR\AJ	Dilution
14	PB168289BS	PB168289BS	PL095926.D	04 Jun 2025 17:19	already run	AR\AJ	Not Ok
15	I.BLK	I.BLK	PL095927.D	04 Jun 2025 17:33		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PL095928.D	04 Jun 2025 17:46		AR\AJ	Ok,M
17	Q2194-01	COMP-12	PL095929.D	04 Jun 2025 18:00	Looks like MS	AR\AJ	Not Ok
18	Q2194-01MS	COMP-12MS	PL095930.D	04 Jun 2025 18:14		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL060425

Review By	Abdul	Review On	6/5/2025 8:35:48 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:27 AM
SubDirectory	PL060425	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,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,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2194-01MSD	COMP-12MSD	PL095931.D	04 Jun 2025 18:27		AR\AJ	Ok,M
20	Q2194-03	COMP-13	PL095932.D	04 Jun 2025 18:41		AR\AJ	Ok,M
21	Q2195-01	OK-01-060325	PL095933.D	04 Jun 2025 18:55		AR\AJ	Ok,M
22	I.BLK	I.BLK	PL095934.D	04 Jun 2025 19:22		AR\AJ	Ok
23	PSTDCCC050	PSTDCCC050	PL095935.D	04 Jun 2025 20:44		AR\AJ	Ok,M

M : Manual Integration

SOP ID : M1311-TCLP-16
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 : 06/02/2025 **Time :** 16:00
End Prep Date : 06/03/2025 **Time :** 09:15
Combination Ratio : 20
ZHE Cleaning Batch : N/A
Initial Room Temperature: 22 °C
Final Room Temperature: 21 °C
TCLP Technician Signature : [Signature]
Supervisor By : SJ

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	WP112795
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	N/A	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. q2185-08 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/03/25 11:00	[Signature] / TCLP Room	SIHS. RS 1641
	Preparation Group	Analysis Group

[Signature]

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
PB168224TB	LEB224	17	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2159-04	TP05-MHO-WC	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2160-04	TP04-MHG-WC	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2160-08	TP05-MHH-WC	03	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2168-02	SAN-A1-A3	04	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q2168-06	SAN-B1-B3	05	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q2168-10	SAN-C1-C2	06	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2172-04	TP06-MHQ	07	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2173-06	OR-400-CF-402B-COMP-23	08	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2173-12	OR-400-CF-402B-COMP-24	09	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2173-18	OR-400-CF-402B-COMP-25	10	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q2177-03	B-187-SB01	11	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-2
Q2177-05	B-187-SB02	12	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2177-07	B-202-SB01	13	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2178-02	RT2929	14	100.03	2000	N/A	N/A	N/A	10.0	1.5	T-2
Q2185-04	TP02-MHB-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2185-08	TP01-MHB-WC	16	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168224TB	LEB224	N/A	N/A	N/A	N/A	N/A	N/A
Q2159-04	TP05-MHO-WC	N/A	N/A	N/A	N/A	100	N/A
Q2160-04	TP04-MHG-WC	N/A	N/A	N/A	N/A	100	N/A
Q2160-08	TP05-MHH-WC	N/A	N/A	N/A	N/A	100	N/A
Q2168-02	SAN-A1-A3	N/A	N/A	N/A	N/A	100	N/A
Q2168-06	SAN-B1-B3	N/A	N/A	N/A	N/A	100	N/A
Q2168-10	SAN-C1-C2	N/A	N/A	N/A	N/A	100	N/A
Q2172-04	TP06-MHQ	N/A	N/A	N/A	N/A	100	N/A
Q2173-06	OR-400-CF-402B-COMP-23	N/A	N/A	N/A	N/A	100	N/A
Q2173-12	OR-400-CF-402B-COMP-24	N/A	N/A	N/A	N/A	100	N/A
Q2173-18	OR-400-CF-402B-COMP-25	N/A	N/A	N/A	N/A	100	N/A
Q2177-03	B-187-SB01	N/A	N/A	N/A	N/A	100	N/A
Q2177-05	B-187-SB02	N/A	N/A	N/A	N/A	100	N/A
Q2177-07	B-202-SB01	N/A	N/A	N/A	N/A	100	N/A
Q2178-02	RT2929	N/A	N/A	N/A	N/A	100	N/A
Q2185-04	TP02-MHB-WC	N/A	N/A	N/A	N/A	100	N/A
Q2185-08	TP01-MHB-WC	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
PB168224TB	LEB224	N/A	N/A	N/A	N/A	#1	4.93
Q2159-04	TP05-MHO-WC	5.02	96.5	5.6	2.0	#1	4.93
Q2160-04	TP04-MHG-WC	5.01	96.5	5.5	2.0	#1	4.93
Q2160-08	TP05-MHH-WC	5.02	96.5	5.8	2.0	#1	4.93
Q2168-02	SAN-A1-A3	5.01	96.5	6.2	2.5	#1	4.93
Q2168-06	SAN-B1-B3	5.02	96.5	6.0	2.0	#1	4.93
Q2168-10	SAN-C1-C2	5.03	96.5	6.0	2.0	#1	4.93
Q2172-04	TP06-MHQ	5.03	96.5	5.5	1.5	#1	4.93
Q2173-06	OR-400-CF-402B-COMP-23	5.02	96.5	9.0	3.5	#1	4.93
Q2173-12	OR-400-CF-402B-COMP-24	5.03	96.5	7.2	2.5	#1	4.93
Q2173-18	OR-400-CF-402B-COMP-25	5.02	96.5	8.4	3.0	#1	4.93
Q2177-03	B-187-SB01	5.03	96.5	8.2	3.0	#1	4.93
Q2177-05	B-187-SB02	5.02	96.5	7.2	2.5	#1	4.93
Q2177-07	B-202-SB01	5.01	96.5	8.2	3.0	#1	4.93
Q2178-02	RT2929	5.02	96.5	10.5	4.0	#1	4.93
Q2185-04	TP02-MHB-WC	5.02	96.5	8.0	3.0	#1	4.93
Q2185-08	TP01-MHB-WC	5.01	96.5	8.0	3.0	N/A	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q2177

WorkList ID : 189871

Department : TCLP Extraction

Date : 06-02-2025 12:11:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2159-04	TP05-MHO-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2160-04	TP04-MHG-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2160-08	TP05-MHH-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2168-02	SAN-A1-A3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2168-06	SAN-B1-B3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311
Q2168-10	SAN-C1-C2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311
Q2172-04	TP06-MHQ	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311
Q2173-06	OR-400-CF-402B-COMP-23	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2173-12	OR-400-CF-402B-COMP-24	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2173-18	OR-400-CF-402B-COMP-25	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2177-03	B-187-SB01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2177-05	B-187-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311
Q2177-07	B-202-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311
Q2178-02	RT2929	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311
Q2185-04	TP02-MHB-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	06/02/2025	1311
Q2185-08	TP01-MHB-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	06/02/2025	1311
					PSEG03	L31	06/02/2025	1311

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

SOP ID: M3510C,3580A-Extraction Pesticide-16

Clean Up SOP #: N/A **Extraction Start Date :** 06/03/2025

Matrix : Water **Extraction Start Time :** 11:34

Weigh By: N/A **Extraction By:** RJ **Extraction End Date :** 06/03/2025

Balance check: N/A **Filter By:** RJ **Extraction End Time :** 16:10

Balance ID: N/A **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: E3880 **Hood ID:** 4,6,7 **Supervisor By :** RUPESH

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24597
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	E3939
Baked Na2SO4	N/A	EP2620
Hexane	N/A	E3938
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:

40 ML Vial lot# 03-40 BTS723.

KD Bath ID: WATER BATH-1,2 **Envap ID:** NEVAP-02

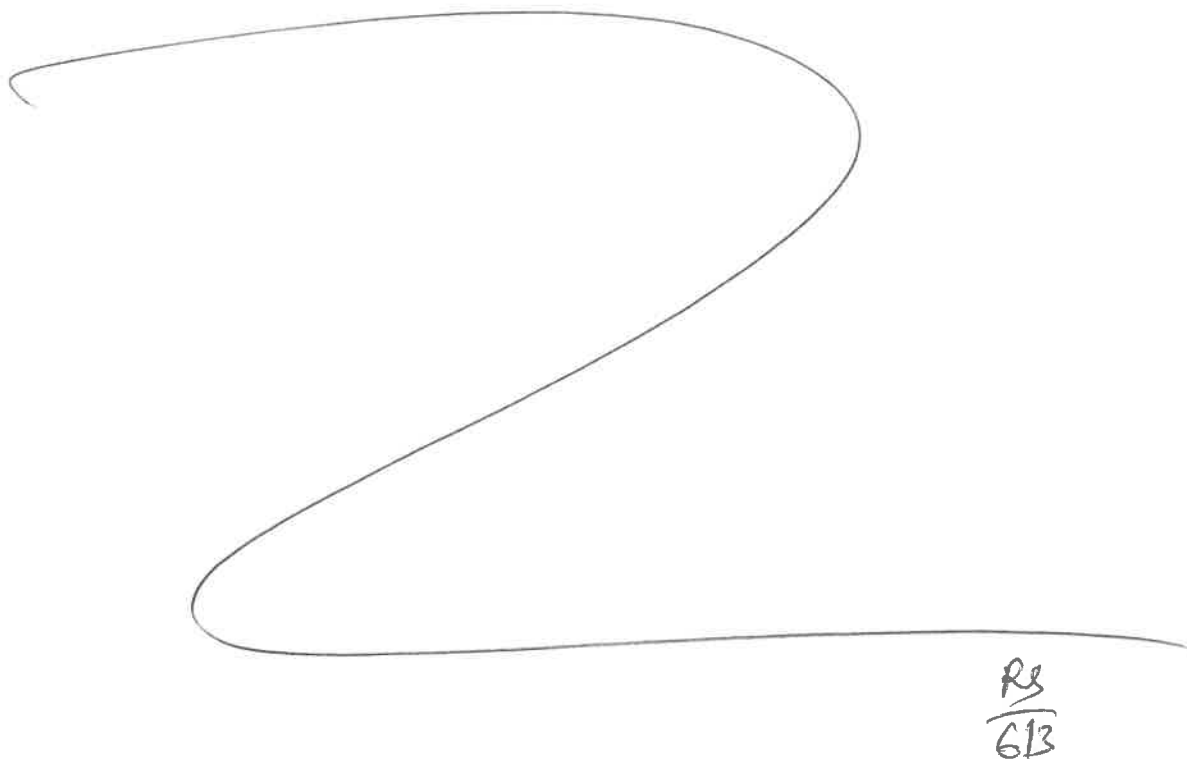
KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/3/25	RS (Ext Lab)	SR - Post/PCB Lab
16:15	Preparation Group	Analysis Group

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

Concentration Date: 06/03/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168224TB	PB168224TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			SEP-1
PB168264BL	PBLK264	TCLP Pesticide	1000	6	RUPESH	ritesh	10			2
PB168264BS	PLCS264	TCLP Pesticide	1000	6	RUPESH	ritesh	10			3
Q2173-06	OR-400-CF-402B-COMP-23	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		4
Q2173-06MS	OR-400-CF-402B-COMP-23MS	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		5
Q2173-06MSD	OR-400-CF-402B-COMP-23MSD	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		6
Q2173-12	OR-400-CF-402B-COMP-24	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		7
Q2173-18	OR-400-CF-402B-COMP-25	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		8
Q2177-03	B-187-SB01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		9
Q2177-05	B-187-SB02	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		10
Q2177-07	B-202-SB01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		11



* Extracts relinquished on the same date as received.

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
PB168224TB	LEB224	17	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2159-04	TP05-MHO-WC	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2160-04	TP04-MHG-WC	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2160-08	TP05-MHH-WC	03	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2168-02	SAN-A1-A3	04	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q2168-06	SAN-B1-B3	05	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q2168-10	SAN-C1-C2	06	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2172-04	TP06-MHQ	07	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2173-06	OR-400-CF-402B-COMP-23	08	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2173-12	OR-400-CF-402B-COMP-24	09	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2173-18	OR-400-CF-402B-COMP-25	10	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q2177-03	B-187-SB01	11	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-2
Q2177-05	B-187-SB02	12	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2177-07	B-202-SB01	13	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2178-02	RT2929	14	100.03	2000	N/A	N/A	N/A	10.0	1.5	T-2
Q2185-04	TP02-MHB-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2185-08	TP01-MHB-WC	16	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-2

06/03/25
11:00

LAB CHRONICLE

OrderID:	Q2177	OrderDate:	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-03	B-187-SB01	TCLP	TCLP Pesticide	8081B	05/31/25	06/03/25	06/03/25	06/02/25
Q2177-05	B-187-SB02	TCLP	TCLP Pesticide	8081B	05/31/25	06/03/25	06/03/25	06/02/25
Q2177-07	B-202-SB01	TCLP	TCLP Pesticide	8081B	05/31/25	06/03/25	06/03/25	06/02/25