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Hit Summary Sheet
SW-846

SDG No.:

Q2198

Order ID:

Q2198

Client:

Portal Partners Tri-Venture

Project ID:

Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :				Total Concentration:	0.000			



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	06/06/25	
Client Sample ID:	PB168271TB		SDG No.:	Q2198	
Lab Sample ID:	PB168271TB		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
PD088834.D	1	06/06/25 12:32	06/09/25 13:44	PB168330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.4		30 (57) - 150 (171)	127%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.6		30 (61) - 150 (148)	118%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	05/31/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	06/03/25	
Client Sample ID:	B-202-SB02		SDG No.:	Q2198	
Lab Sample ID:	Q2198-02		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
PD088836.D	1	06/06/25 12:32	06/09/25 14:11	PB168330

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	23.5		30 (57) - 150 (171)	118%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.4		30 (61) - 150 (148)	117%	SPK: 20

Comments:

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LOD = Limit of Detection

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B = Analyte Found in Associated Method Blank

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D = Dilution

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/01/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-207-SB02	SDG No.:	Q2198
Lab Sample ID:	Q2198-04	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
PD088837.D	1	06/06/25 12:32	06/09/25 14:25	PB168330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.2		30 (57) - 150 (171)	126%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.1		30 (61) - 150 (148)	115%	SPK: 20

Comments:

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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



QC SUMMARY

Surrogate Summary

SDG No.: **Q2198**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PD088583.D	PIBLK-PD088583.D	Decachlorobiphenyl	1	20	18.4	92		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	16.5	83		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	18.0	90		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	16.9	84		30 (61)	150 (148)
I.BLK-PD088820.D	PIBLK-PD088820.D	Decachlorobiphenyl	1	20	24.1	120		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	23.7	119		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	23.0	115		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	21.4	107		30 (61)	150 (148)
PB168330BL	PB168330BL	Decachlorobiphenyl	1	20	25.8	129		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	24.1	121		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	24.4	122		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	21.8	109		30 (61)	150 (148)
PB168330BS	PB168330BS	Decachlorobiphenyl	1	20	23.8	119		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	22.0	110		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	22.9	115		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	20.4	102		30 (61)	150 (148)
PB168271TB	PB168271TB	Decachlorobiphenyl	1	20	25.4	127		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	23.6	118		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	24.2	121		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	21.6	108		30 (61)	150 (148)
Q2198-02	B-202-SB02	Decachlorobiphenyl	1	20	23.5	118		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	23.4	117		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	22.5	113		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	20.4	102		30 (61)	150 (148)
Q2198-04	B-207-SB02	Decachlorobiphenyl	1	20	25.2	126		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	23.1	115		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	24.1	120		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	20.3	102		30 (61)	150 (148)
Q2198-04MS	B-207-SB02MS	Decachlorobiphenyl	1	20	25.9	129		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	24.2	121		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	24.8	124		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	21.1	105		30 (61)	150 (148)
Q2198-04MSD	B-207-SB02MSD	Decachlorobiphenyl	1	20	26.1	131		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	24.3	122		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	24.9	124		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	21.3	106		30 (61)	150 (148)
I.BLK-PD088840.D	PIBLK-PD088840.D	Decachlorobiphenyl	1	20	24.7	123		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	23.3	117		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	23.7	118		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	20.8	104		30 (61)	150 (148)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2198</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Portal Partners Tri-Venture</u>	DataFile :	<u>PD088838.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2198-04MS (Column 1)	B-207-SB02MS											
	gamma-BHC (Lindane)	5	0	6.30	ug/L	126				30 (60)	150 (152)	
	Heptachlor	5	0	5.40	ug/L	108				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	6.10	ug/L	122				30 (77)	150 (143)	
	Endrin	5	0	6.30	ug/L	126				30 (76)	150 (144)	
	Methoxychlor	5	0	6.20	ug/L	124				30 (70)	150 (142)	
Client Sample ID: Q2198-04MS (Column 2)	B-207-SB02MS											
	gamma-BHC (Lindane)	5	0	5.40	ug/L	108				30 (60)	150 (152)	
	Heptachlor	5	0	4.70	ug/L	94				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	5.40	ug/L	108				30 (77)	150 (143)	
	Endrin	5	0	5.50	ug/L	110				30 (76)	150 (144)	
	Methoxychlor	5	0	5.50	ug/L	110				30 (70)	150 (142)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2198</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Portal Partners Tri-Venture</u>	DataFile :	<u>PD088839.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2198-04MSD (Column 1)	B-207-SB02MSD gamma-BHC (Lindane)	5	0	6.40	ug/L	128		2		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	5.40	ug/L	108		0		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	6.10	ug/L	122		0		30 (77)	150 (143)	20 (20)
	Endrin	5	0	6.30	ug/L	126		0		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	6.20	ug/L	124		0		30 (70)	150 (142)	20 (20)
Client Sample ID: Q2198-04MSD (Column 2)	B-207-SB02MSD gamma-BHC (Lindane)	5	0	5.50	ug/L	110		2		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	4.70	ug/L	94		0		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	5.40	ug/L	108		0		30 (77)	150 (143)	20 (20)
	Endrin	5	0	5.80	ug/L	116		5		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	5.50	ug/L	110		0		30 (70)	150 (142)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2198</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Portal Partners Tri-Venture</u>	Datafile :	<u>PD088833.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168330BS (Column 1)	gamma-BHC (Lindane)	0.5	0.53	ug/L	105				40 (82)	140 (129)	
	Heptachlor	0.5	0.54	ug/L	108				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.53	ug/L	106				40 (81)	140 (124)	
	Endrin	0.5	0.54	ug/L	107				40 (81)	140 (128)	
	Methoxychlor	0.5	0.54	ug/L	107				40 (78)	140 (108)	
PB168330BS (Column 2)	gamma-BHC (Lindane)	0.5	0.49	ug/L	98				40 (82)	140 (129)	
	Heptachlor	0.5	0.48	ug/L	97				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.49	ug/L	98				40 (81)	140 (124)	
	Endrin	0.5	0.48	ug/L	97				40 (81)	140 (128)	
	Methoxychlor	0.5	0.49	ug/L	97				40 (78)	140 (108)	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168330BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q2198

SAS No.: Q2198 SDG NO.: Q2198

Lab Sample ID: PB168330BL

Lab File ID: PD088832.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 06/06/2025

Date Analyzed (1): 06/09/2025

Date Analyzed (2): 06/09/2025

Time Analyzed (1): 13:14

Time Analyzed (2): 13:14

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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
PB168330BS	PB168330BS	PD088833.D	06/09/2025	06/09/2025
PB168271TB	PB168271TB	PD088834.D	06/09/2025	06/09/2025
B-202-SB02	Q2198-02	PD088836.D	06/09/2025	06/09/2025
B-207-SB02	Q2198-04	PD088837.D	06/09/2025	06/09/2025
B-207-SB02MS	Q2198-04MS	PD088838.D	06/09/2025	06/09/2025
B-207-SB02MSD	Q2198-04MSD	PD088839.D	06/09/2025	06/09/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:		
Client Sample ID:	PB168330BL		SDG No.:	Q2198	
Lab Sample ID:	PB168330BL		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
PD088832.D	1	06/06/25 12:32	06/09/25 13:14	PB168330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.8		30 (57) - 150 (171)	129%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.1		30 (61) - 150 (148)	121%	SPK: 20

Comments:

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	05/19/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	05/19/25	
Client Sample ID:	PIBLK-PD088583.D		SDG No.:	Q2198	
Lab Sample ID:	I.BLK-PD088583.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
PD088583.D	1		05/19/25	PD051925

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	18.4		30 (57) - 150 (171)	92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.9		30 (61) - 150 (148)	84%	SPK: 20

Comments:

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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:	06/09/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	06/09/25	
Client Sample ID:	PIBLK-PD088820.D		SDG No.:	Q2198	
Lab Sample ID:	I.BLK-PD088820.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
PD088820.D	1		06/09/25	Pd060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.1		30 (57) - 150 (171)	120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.7		30 (61) - 150 (148)	119%	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:	06/09/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	06/09/25	
Client Sample ID:	PIBLK-PD088840.D		SDG No.:	Q2198	
Lab Sample ID:	I.BLK-PD088840.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
PD088840.D	1		06/09/25	pd060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.7		30 (57) - 150 (171)	123%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.3		30 (61) - 150 (148)	117%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168330BS	SDG No.:	Q2198
Lab Sample ID:	PB168330BS	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
PD088833.D	1	06/06/25 12:32	06/09/25 13:28	PB168330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.53		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.54		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.53		0.0096	0.050	ug/L
72-20-8	Endrin	0.54		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.54		0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.8		30 (57) - 150 (171)	119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.0		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:	06/01/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	06/03/25	
Client Sample ID:	B-207-SB02MS		SDG No.:	Q2198	
Lab Sample ID:	Q2198-04MS		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
PD088838.D	1	06/06/25 12:32	06/09/25 14:39	PB168330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	6.30		0.037	0.50	ug/L
76-44-8	Heptachlor	5.40		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	6.10		0.096	0.50	ug/L
72-20-8	Endrin	6.30		0.032	0.50	ug/L
72-43-5	Methoxychlor	6.20		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.9		30 (57) - 150 (171)	129%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.2		30 (61) - 150 (148)	121%	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:	06/01/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-207-SB02MSD	SDG No.:	Q2198
Lab Sample ID:	Q2198-04MSD	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
PD088839.D	1	06/06/25 12:32	06/09/25 14:53	PB168330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	6.40		0.037	0.50	ug/L
76-44-8	Heptachlor	5.40		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	6.10		0.096	0.50	ug/L
72-20-8	Endrin	6.30		0.032	0.50	ug/L
72-43-5	Methoxychlor	6.20		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	26.1		30 (57) - 150 (171)	131%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.3		30 (61) - 150 (148)	122%	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-MR1 ID: 0.32 (mm)

[illegible]

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.:** Q2198 **SAS No.:** Q2198 **SDG NO.:** Q2198

Instrument ID: ECD_D **Calibration Date(s):** 05/19/2025 05/19/2025
Calibration Times: 11:31 12:25

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

LAB FILE ID:		CF 100 = <u>PD088586.D</u>		CF 075 = <u>PD088587.D</u>			
CF 050 = <u>PD088588.D</u>		CF 025 = <u>PD088589.D</u>		CF 005 = <u>PD088590.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	3171750000	3154190000	3328750000	3504210000	3952750000	3422330000	10
Endrin	3544350000	3400630000	3391880000	3322590000	3416420000	3415180000	2
gamma-BHC (Lindane)	4951240000	4675430000	4617130000	4438320000	4331460000	4602720000	5
Heptachlor	4681230000	4453430000	4445350000	4335710000	4440380000	4471220000	3
Heptachlor epoxide	4018350000	3865780000	3896760000	3892850000	4172720000	3969290000	3
Methoxychlor	1605530000	1584480000	1642420000	1697880000	1822460000	1670550000	6
Tetrachloro-m-xylene	2149340000	2072320000	2122010000	2161140000	2313950000	2163750000	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2198 **SAS No.:** Q2198 **SDG NO.:** Q2198

Instrument ID: ECD_D **Calibration Date(s):** 05/19/2025 05/19/2025
Calibration Times: 11:31 12:25

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

LAB FILE ID: CF 100 = PD088586.DCF 075 = PD088587.DCF 050 = PD088588.DCF 025 = PD088589.DCF 005 = PD088590.D							
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	16504300000	16618500000	17317300000	18707400000	22133900000	18256300000	13
Endrin	17557800000	17708400000	18459500000	19851800000	22842600000	19284000000	11
gamma-BHC (Lindane)	21035300000	20781600000	21450400000	22534500000	25026800000	22165700000	8
Heptachlor	20762900000	20801500000	21647900000	23011300000	26050900000	22454900000	10
Heptachlor epoxide	18126800000	18251100000	19076900000	20442600000	23459100000	19871300000	11
Methoxychlor	8571980000	8801040000	9285240000	10058400000	11157300000	9574790000	11
Tetrachloro-m-xylene	14104900000	13970700000	14552300000	15457700000	17548700000	15126900000	10

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

Instrument ID: ECD_D Date(s) Analyzed: 05/19/2025 05/19/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.72	4.62	4.82	175277000
		2	5.24	5.14	5.34	179454000
		3	5.95	5.85	6.05	741371000
		4	6.03	5.93	6.13	889415000
		5	6.87	6.77	6.97	150936000
Toxaphene	500	1	6.24	6.14	6.34	26389700
		2	6.44	6.34	6.54	38119600
		3	7.15	7.05	7.25	72288300
		4	7.57	7.47	7.67	91412700
		5	7.93	7.83	8.03	52259600

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

Instrument ID: ECD_D Date(s) Analyzed: 05/19/2025 05/19/2025

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	813076000
		2	4.49	4.39	4.59	822692000
		3	5.13	5.03	5.23	2571520000
		4	5.19	5.09	5.29	2143050000
		5	6.09	5.99	6.19	983052000
Toxaphene	500	1	5.48	5.38	5.58	139231000
		2	5.65	5.55	5.75	94078800
		3	6.76	6.66	6.86	437083000
		4	7.20	7.10	7.30	311285000
		5	7.33	7.23	7.43	216975000

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

Continuing Calib Date: 06/09/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 10:44 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endrin	6.58	6.58	6.48	6.68	0.01
Methoxychlor	7.49	7.50	7.40	7.60	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

Continuing Calib Date: 06/09/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 10:44 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.09	3.99	4.19	0.01
Heptachlor epoxide	4.87	4.88	4.78	4.98	0.01
Endrin	5.79	5.79	5.69	5.89	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL01 Date Analyzed: 06/09/2025

Lab Sample No.: PSTDCCC050 Data File : PD088822.D Time Analyzed: 10:44

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.073	8.977	9.177	52.790	50.000	5.6
Endrin	6.575	6.477	6.677	54.680	50.000	9.4
gamma-BHC (Lindane)	4.330	4.232	4.432	54.180	50.000	8.4
Heptachlor	4.929	4.832	5.032	55.030	50.000	10.1
Heptachlor epoxide	5.691	5.593	5.793	53.970	50.000	7.9
Methoxychlor	7.494	7.395	7.595	54.010	50.000	8.0
Tetrachloro-m-xylene	3.549	3.451	3.651	57.870	50.000	15.7

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL01 Date Analyzed: 06/09/2025

Lab Sample No.: PSTDCCC050 Data File : PD088822.D Time Analyzed: 10:44

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.072	7.977	8.177	48.910	50.000	-2.2
Endrin	5.789	5.692	5.892	46.190	50.000	-7.6
gamma-BHC (Lindane)	3.728	3.631	3.831	47.180	50.000	-5.6
Heptachlor	4.082	3.985	4.185	46.540	50.000	-6.9
Heptachlor epoxide	4.872	4.775	4.975	46.860	50.000	-6.3
Methoxychlor	6.754	6.658	6.858	45.820	50.000	-8.4
Tetrachloro-m-xylene	2.879	2.782	2.982	47.210	50.000	-5.6

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

Continuing Calib Date: 06/09/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 15:44 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Methoxychlor	7.49	7.50	7.40	7.60	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

Continuing Calib Date: 06/09/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 15:44 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.09	3.99	4.19	0.01
Heptachlor epoxide	4.87	4.88	4.78	4.98	0.01
Endrin	5.79	5.79	5.69	5.89	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL02 Date Analyzed: 06/09/2025

Lab Sample No.: PSTDCCC050 Data File : PD088841.D Time Analyzed: 15:44

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.074	8.977	9.177	52.910	50.000	5.8
Endrin	6.574	6.477	6.677	54.770	50.000	9.5
gamma-BHC (Lindane)	4.329	4.232	4.432	54.420	50.000	8.8
Heptachlor	4.929	4.832	5.032	54.980	50.000	10.0
Heptachlor epoxide	5.690	5.593	5.793	54.130	50.000	8.3
Methoxychlor	7.494	7.395	7.595	53.630	50.000	7.3
Tetrachloro-m-xylene	3.549	3.451	3.651	58.230	50.000	16.5

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL02 Date Analyzed: 06/09/2025

Lab Sample No.: PSTDCCC050 Data File : PD088841.D Time Analyzed: 15:44

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.072	7.977	8.177	50.760	50.000	1.5
Endrin	5.789	5.692	5.892	48.240	50.000	-3.5
gamma-BHC (Lindane)	3.729	3.631	3.831	48.620	50.000	-2.8
Heptachlor	4.082	3.985	4.185	48.030	50.000	-3.9
Heptachlor epoxide	4.872	4.775	4.975	47.980	50.000	-4.0
Methoxychlor	6.754	6.658	6.858	48.510	50.000	-3.0
Tetrachloro-m-xylene	2.879	2.782	2.982	48.610	50.000	-2.8

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **PORT06**

Lab Code: **CHEM** Case No.: **Q2198** SAS No.: **Q2198** SDG NO.: **Q2198**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **05/19/2025** **05/19/2025**

Client Sample No. (PEM): **PEM - PD088584.D** Date Analyzed: **05/19/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:04**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.076	8.980	9.180	21.510	20.000	7.6
Tetrachloro-m-xylene	3.550	3.500	3.600	19.960	20.000	-0.2
alpha-BHC	3.999	3.950	4.050	9.120	10.000	-8.8
beta-BHC	4.516	4.470	4.570	10.260	10.000	2.6
gamma-BHC (Lindane)	4.331	4.280	4.380	9.460	10.000	-5.4
Endrin	6.576	6.510	6.650	50.860	50.000	1.7
4,4'-DDT	7.023	6.950	7.090	101.210	100.000	1.2
Methoxychlor	7.495	7.420	7.570	234.710	250.000	-6.1

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **05/19/2025** **05/19/2025**

Client Sample No. (PEM): **PEM - PD088584.D** Date Analyzed: **05/19/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:04**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.076	7.980	8.180	20.960	20.000	4.8
Tetrachloro-m-xylene	2.881	2.830	2.930	20.340	20.000	1.7
alpha-BHC	3.394	3.340	3.440	10.570	10.000	5.7
beta-BHC	4.027	3.980	4.080	10.990	10.000	9.9
gamma-BHC (Lindane)	3.731	3.680	3.780	10.670	10.000	6.7
Endrin	5.792	5.720	5.860	48.470	50.000	-3.1
4,4'-DDT	6.186	6.120	6.260	95.100	100.000	-4.9
Methoxychlor	6.757	6.690	6.830	195.630	250.000	-21.7

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **PORT06**

Lab Code: **CHEM** Case No.: **Q2198** SAS No.: **Q2198** SDG NO.: **Q2198**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **05/19/2025** **05/19/2025**

Client Sample No. (PEM): **PEM - PD088821.D** Date Analyzed: **06/09/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **10:30**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.083	8.980	9.180	23.140	20.000	15.7
Tetrachloro-m-xylene	3.555	3.500	3.610	23.120	20.000	15.6
alpha-BHC	4.005	3.950	4.060	9.790	10.000	-2.1
beta-BHC	4.522	4.470	4.570	11.020	10.000	10.2
gamma-BHC (Lindane)	4.337	4.290	4.390	10.080	10.000	0.8
Endrin	6.582	6.510	6.650	53.120	50.000	6.2
4,4'-DDT	7.029	6.960	7.100	108.700	100.000	8.7
Methoxychlor	7.501	7.430	7.570	250.330	250.000	0.1

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **05/19/2025** **05/19/2025**

Client Sample No. (PEM): **PEM - PD088821.D** Date Analyzed: **06/09/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **10:30**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.075	7.970	8.180	21.620	20.000	8.1
Tetrachloro-m-xylene	2.879	2.830	2.930	19.460	20.000	-2.7
alpha-BHC	3.392	3.340	3.440	10.090	10.000	0.9
beta-BHC	4.025	3.970	4.080	10.220	10.000	2.2
gamma-BHC (Lindane)	3.729	3.680	3.780	10.210	10.000	2.1
Endrin	5.790	5.720	5.860	45.540	50.000	-8.9
4,4'-DDT	6.185	6.110	6.260	91.970	100.000	-8.0
Methoxychlor	6.756	6.690	6.830	181.270	250.000	-27.5

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q2198
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_D
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 05/19/2025 05/19/2025

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 #
LBLK	LBLK	05/19/2025	10:50	PD088583.D	9.08	3.55
PEM	PEM	05/19/2025	11:04	PD088584.D	9.08	3.55
RESCHK	RESCHK	05/19/2025	11:17	PD088585.D	9.08	3.55
PSTDICCC100	PSTDICCC100	05/19/2025	11:31	PD088586.D	9.08	3.55
PSTDICCC075	PSTDICCC075	05/19/2025	11:45	PD088587.D	9.08	3.55
PSTDICCC050	PSTDICCC050	05/19/2025	11:58	PD088588.D	9.08	3.55
PSTDICCC025	PSTDICCC025	05/19/2025	12:12	PD088589.D	9.08	3.55
PSTDICCC005	PSTDICCC005	05/19/2025	12:25	PD088590.D	9.08	3.55
PCHLORICC500	PCHLORICC500	05/19/2025	13:06	PD088593.D	9.08	3.55
PTOXICC500	PTOXICC500	05/19/2025	14:14	PD088598.D	9.08	3.55
LBLK	LBLK	06/09/2025	08:50	PD088820.D	9.07	3.55
PEM	PEM	06/09/2025	10:30	PD088821.D	9.08	3.56
PSTDCCC050	PSTDCCC050	06/09/2025	10:44	PD088822.D	9.07	3.55
PB168330BL	PB168330BL	06/09/2025	13:14	PD088832.D	9.08	3.56
PB168330BS	PB168330BS	06/09/2025	13:28	PD088833.D	9.07	3.55
PB168271TB	PB168271TB	06/09/2025	13:44	PD088834.D	9.08	3.55
B-202-SB02	Q2198-02	06/09/2025	14:11	PD088836.D	9.07	3.55
B-207-SB02	Q2198-04	06/09/2025	14:25	PD088837.D	9.07	3.55
B-207-SB02MS	Q2198-04MS	06/09/2025	14:39	PD088838.D	9.07	3.55
B-207-SB02MSD	Q2198-04MSD	06/09/2025	14:53	PD088839.D	9.07	3.55
LBLK	LBLK	06/09/2025	15:30	PD088840.D	9.08	3.56
PSTDCCC050	PSTDCCC050	06/09/2025	15:44	PD088841.D	9.07	3.55

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q2198
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_D
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 05/19/2025 05/19/2025

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	05/19/2025	10:50	PD088583.D	8.08	2.88
PEM	PEM	05/19/2025	11:04	PD088584.D	8.08	2.88
RESCHK	RESCHK	05/19/2025	11:17	PD088585.D	8.08	2.88
PSTDICCC100	PSTDICCC100	05/19/2025	11:31	PD088586.D	8.08	2.88
PSTDICCC075	PSTDICCC075	05/19/2025	11:45	PD088587.D	8.08	2.88
PSTDICCC050	PSTDICCC050	05/19/2025	11:58	PD088588.D	8.08	2.88
PSTDICCC025	PSTDICCC025	05/19/2025	12:12	PD088589.D	8.08	2.88
PSTDICCC005	PSTDICCC005	05/19/2025	12:25	PD088590.D	8.08	2.88
PCHLORICC500	PCHLORICC500	05/19/2025	13:06	PD088593.D	8.08	2.88
PTOXICC500	PTOXICC500	05/19/2025	14:14	PD088598.D	8.08	2.88
IBLK	IBLK	06/09/2025	08:50	PD088820.D	8.07	2.88
PEM	PEM	06/09/2025	10:30	PD088821.D	8.08	2.88
PSTDCCC050	PSTDCCC050	06/09/2025	10:44	PD088822.D	8.07	2.88
PB168330BL	PB168330BL	06/09/2025	13:14	PD088832.D	8.08	2.88
PB168330BS	PB168330BS	06/09/2025	13:28	PD088833.D	8.07	2.88
PB168271TB	PB168271TB	06/09/2025	13:44	PD088834.D	8.07	2.88
B-202-SB02	Q2198-02	06/09/2025	14:11	PD088836.D	8.07	2.88
B-207-SB02	Q2198-04	06/09/2025	14:25	PD088837.D	8.07	2.88
B-207-SB02MS	Q2198-04MS	06/09/2025	14:39	PD088838.D	8.07	2.88
B-207-SB02MSD	Q2198-04MSD	06/09/2025	14:53	PD088839.D	8.07	2.88
IBLK	IBLK	06/09/2025	15:30	PD088840.D	8.08	2.88
PSTDCCC050	PSTDCCC050	06/09/2025	15:44	PD088841.D	8.07	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B-207-SB02MS

Contract: PORT06

Lab Code: CHEM Case No.: Q2198

SAS No.: Q2198 SDG NO.: Q2198

Lab Sample ID: Q2198-04MS

Date(s) Analyzed: 06/09/2025 06/09/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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	7.49	7.44	7.54	6.20	12
	2	6.75	6.70	6.80	5.50	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	6.30	15.4
	2	3.73	3.68	3.78	5.40	
Heptachlor	1	4.93	4.88	4.98	5.40	13.9
	2	4.08	4.03	4.13	4.70	
Heptachlor epoxide	1	5.69	5.64	5.74	6.10	12.2
	2	4.87	4.82	4.92	5.40	
Endrin	1	6.57	6.52	6.62	6.30	13.6
	2	5.79	5.74	5.84	5.50	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B-207-SB02MSD

Contract: PORT06

Lab Code: CHEM Case No.: Q2198

SAS No.: Q2198 SDG NO.: Q2198

Lab Sample ID: Q2198-04MSD

Date(s) Analyzed: 06/09/2025 06/09/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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	7.49	7.44	7.54	6.20	12
	2	6.75	6.70	6.80	5.50	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	6.40	15.1
	2	3.73	3.68	3.78	5.50	
Heptachlor	1	4.93	4.88	4.98	5.40	13.9
	2	4.08	4.03	4.13	4.70	
Heptachlor epoxide	1	5.69	5.64	5.74	6.10	12.2
	2	4.87	4.82	4.92	5.40	
Endrin	1	6.57	6.52	6.62	6.30	8.3
	2	5.79	5.74	5.84	5.80	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168330BS

Contract: PORT06

Lab Code: CHEM

Case No.: Q2198

SAS No.: Q2198

SDG NO.: Q2198

Lab Sample ID: PB168330BS

Date(s) Analyzed: 06/09/2025

06/09/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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	7.49	7.44	7.54	0.54	9.6
	2	6.75	6.70	6.80	0.49	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.53	6.8
	2	3.73	3.68	3.78	0.49	
Heptachlor	1	4.93	4.88	4.98	0.54	10.5
	2	4.08	4.03	4.13	0.48	
Heptachlor epoxide	1	5.69	5.64	5.74	0.53	8.3
	2	4.87	4.82	4.92	0.49	
Endrin	1	6.57	6.52	6.62	0.54	10.4
	2	5.79	5.74	5.84	0.48	



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD060925\
 Data File : PD088834.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jun 2025 13:44
 Operator : AR\AJ
 Sample : PB168271TB
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168271TB

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 09 15:22:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 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 x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.879	51135624	327.5E6	23.633	21.652
28) SA Decachlor...	9.077	8.073	86917755	442.0E6	25.397	24.213

Target Compounds

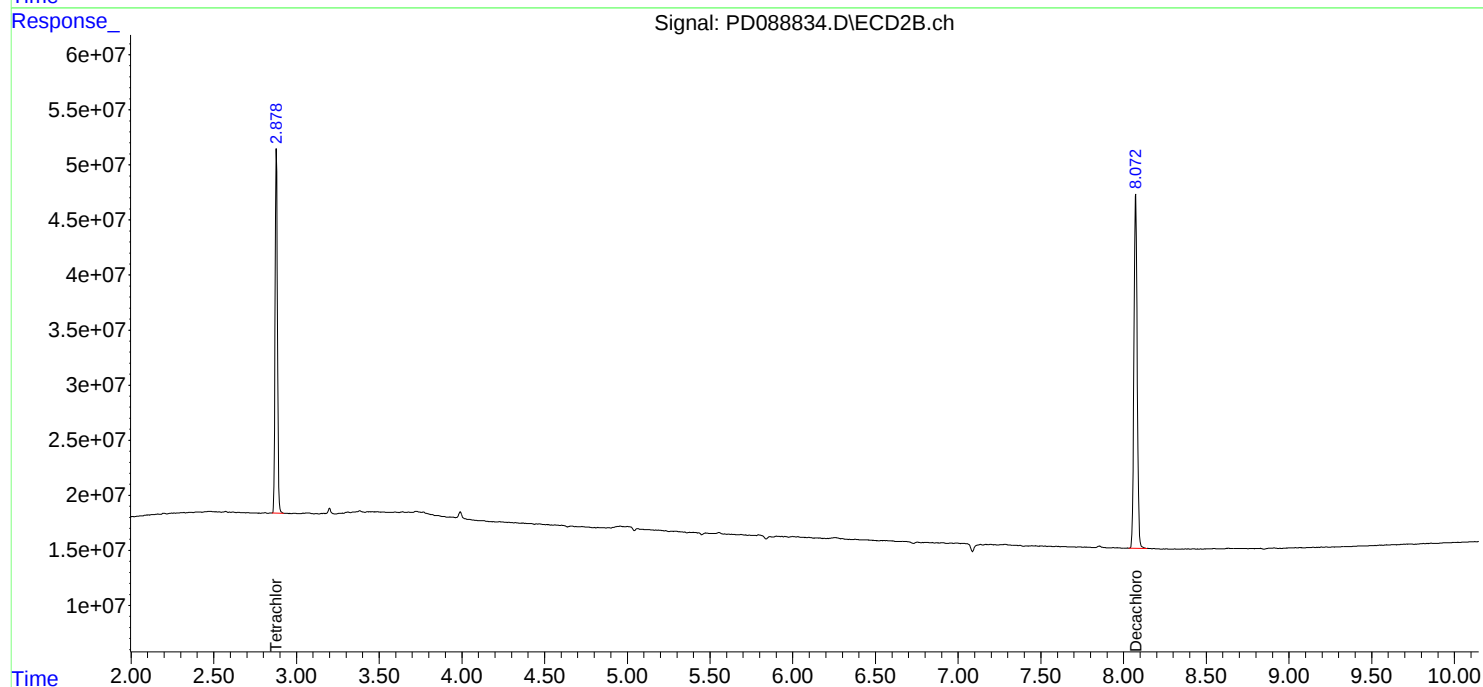
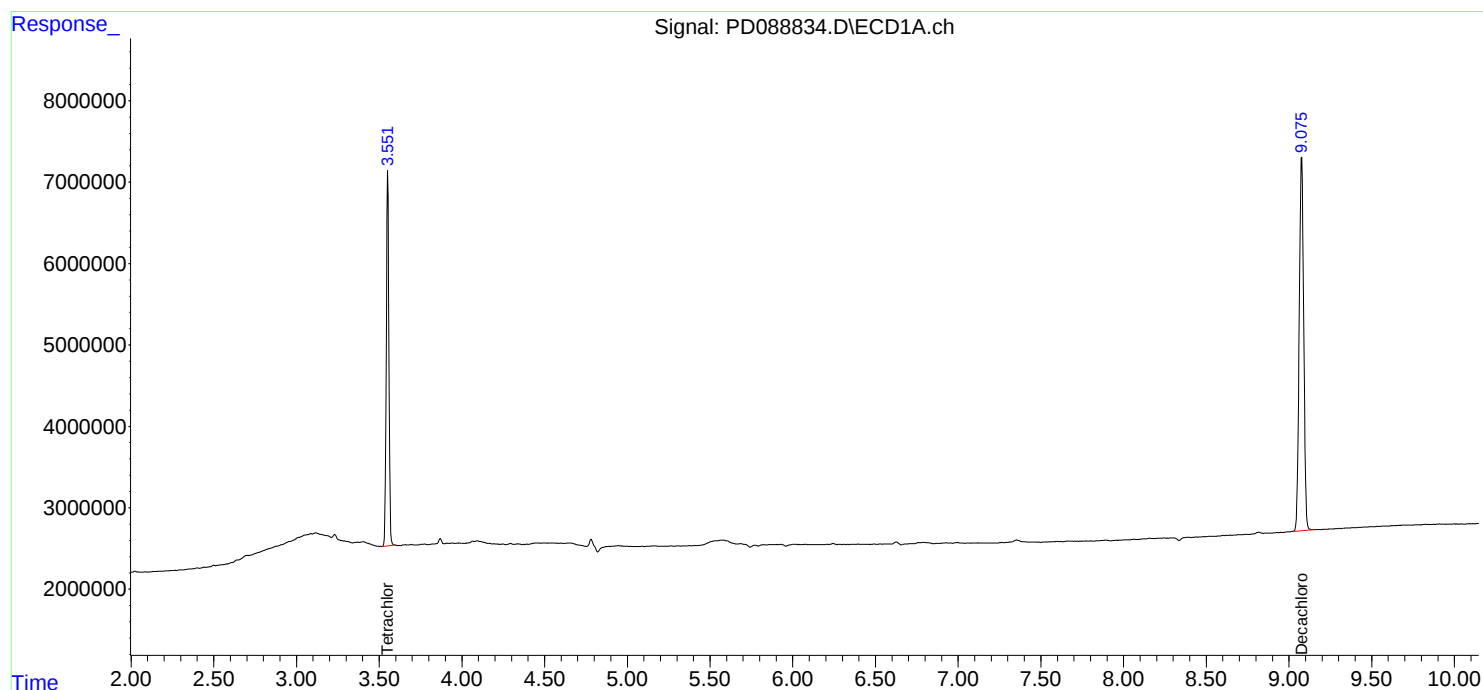
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

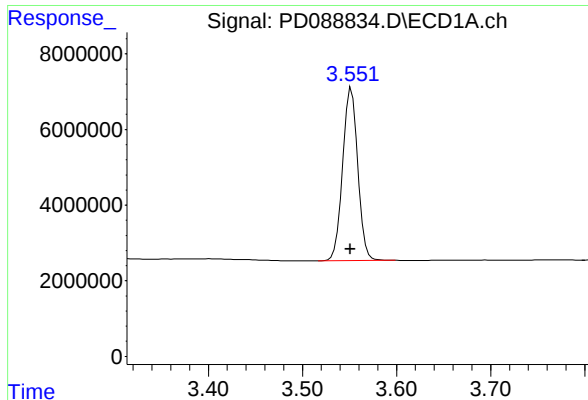
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD060925\
Data File : PD088834.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 13:44
Operator : AR\AJ
Sample : PB168271TB
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168271TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 15:22:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

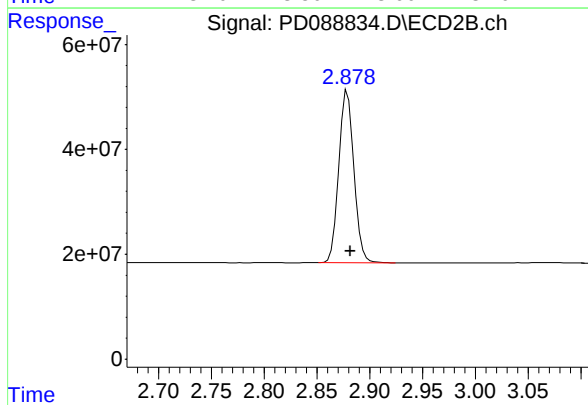




#1 Tetrachloro-m-xylene

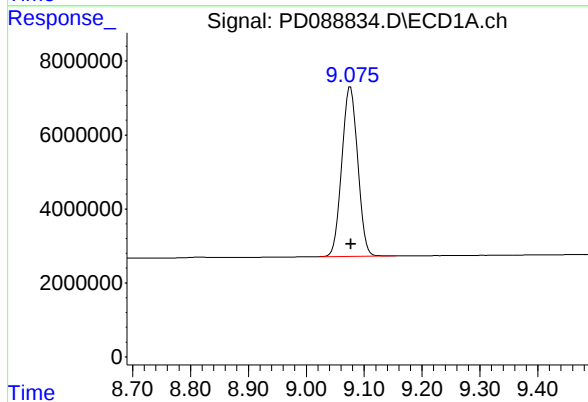
R.T.: 3.552 min
Delta R.T.: 0.001 min
Response: 51135624
Conc: 23.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168271TB



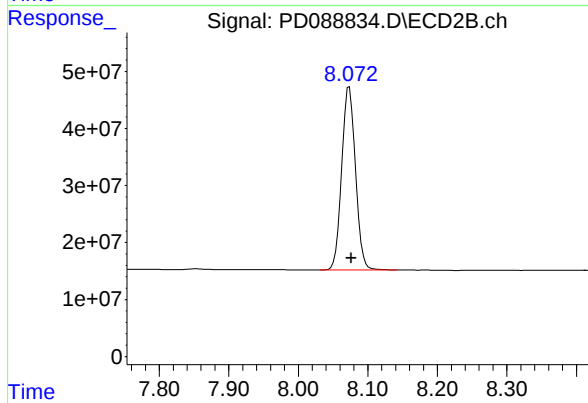
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.003 min
Response: 327531784
Conc: 21.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 86917755
Conc: 25.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: -0.003 min
Response: 442035629
Conc: 24.21 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD060925\
 Data File : PD088836.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jun 2025 14:11
 Operator : AR\AJ
 Sample : Q2198-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 B-202-SB02

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 09 15:23:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 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 x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.880	50551432	308.0E6	23.363	20.360
28) SA Decachlor...	9.072	8.072	80456738	411.0E6	23.509	22.512

Target Compounds

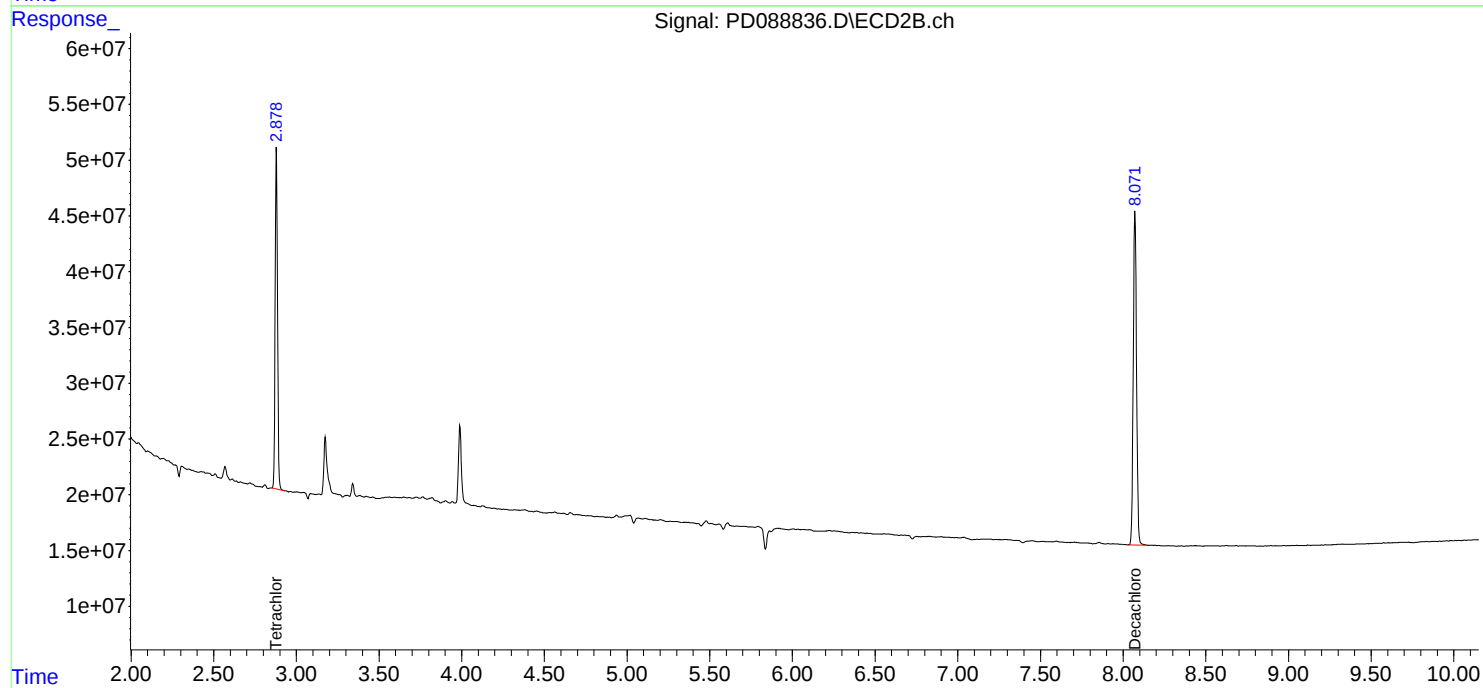
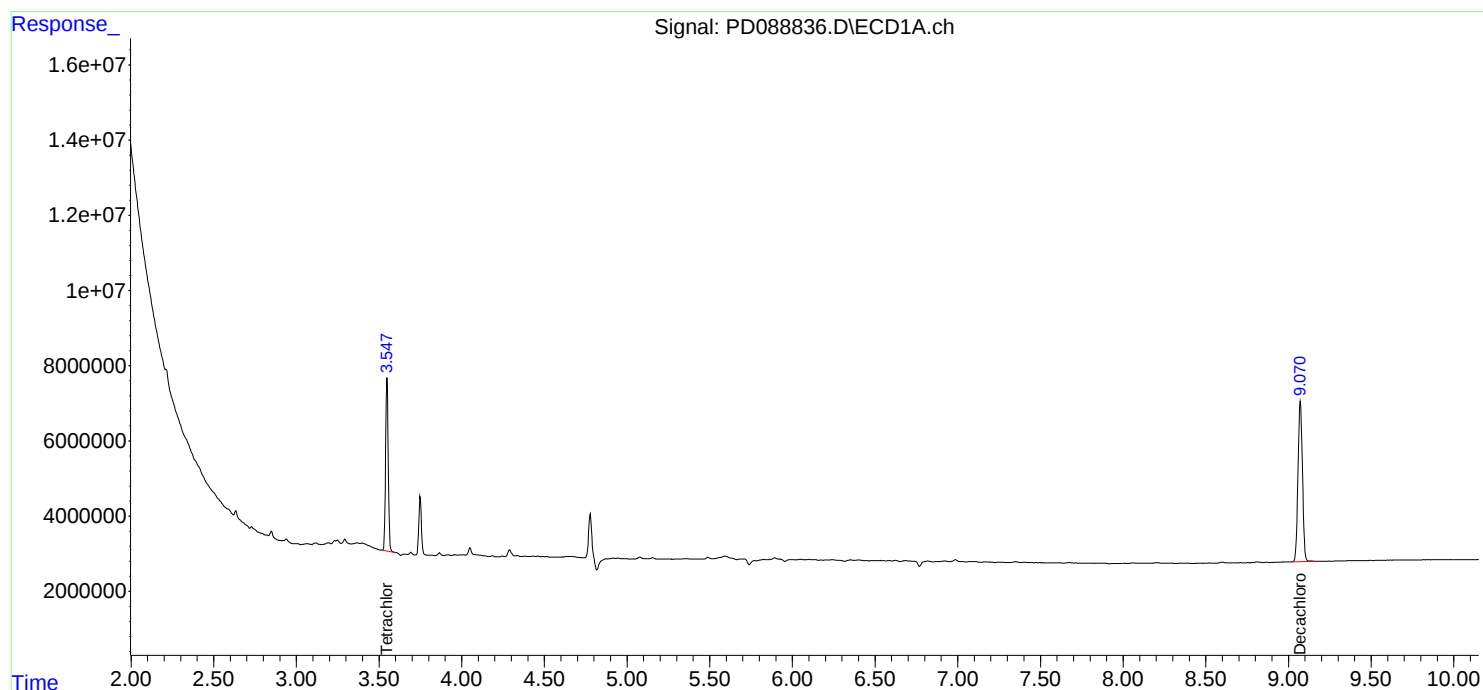
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

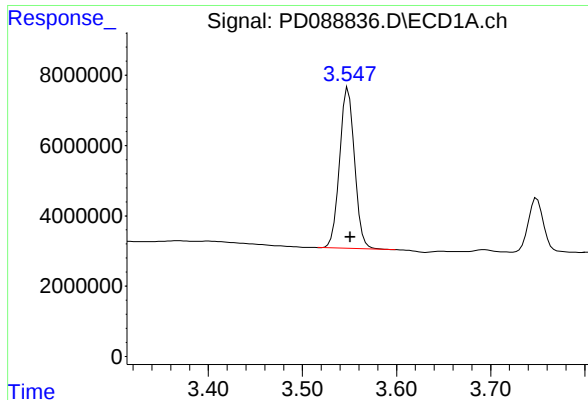
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD060925\
Data File : PD088836.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 14:11
Operator : AR\AJ
Sample : Q2198-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
B-202-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 15:23:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

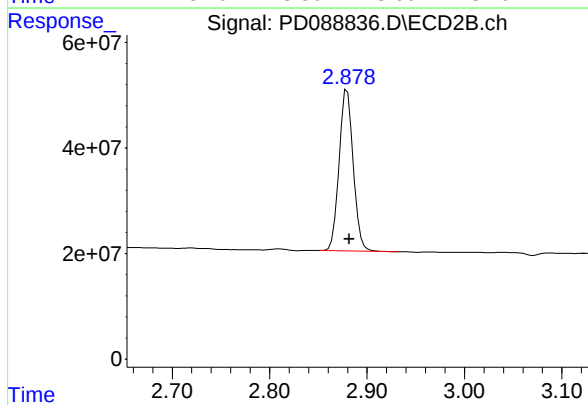




#1 Tetrachloro-m-xylene

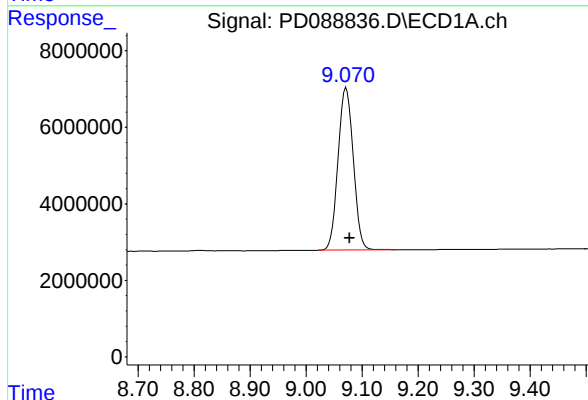
R.T.: 3.549 min
Delta R.T.: -0.002 min
Response: 50551432
Conc: 23.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-202-SB02



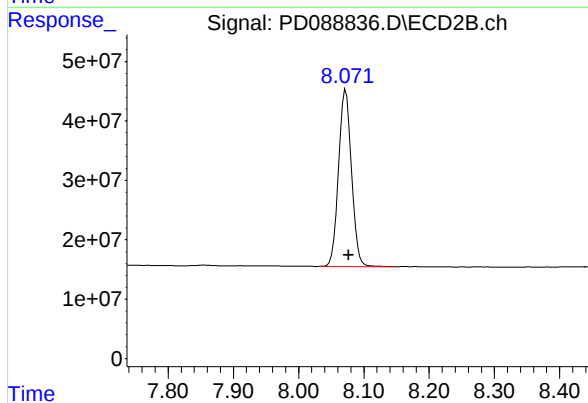
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 307990017
Conc: 20.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.006 min
Response: 80456738
Conc: 23.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.004 min
Response: 410980534
Conc: 22.51 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD060925\
 Data File : PD088837.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jun 2025 14:25
 Operator : AR\AJ
 Sample : Q2198-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 B-207-SB02

A
B
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G
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J
K
L

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 09 15:23:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 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 x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.880	49900506	307.1E6	23.062	20.304
28) SA Decachlor...	9.073	8.072	86174309	439.6E6	25.180	24.077

Target Compounds

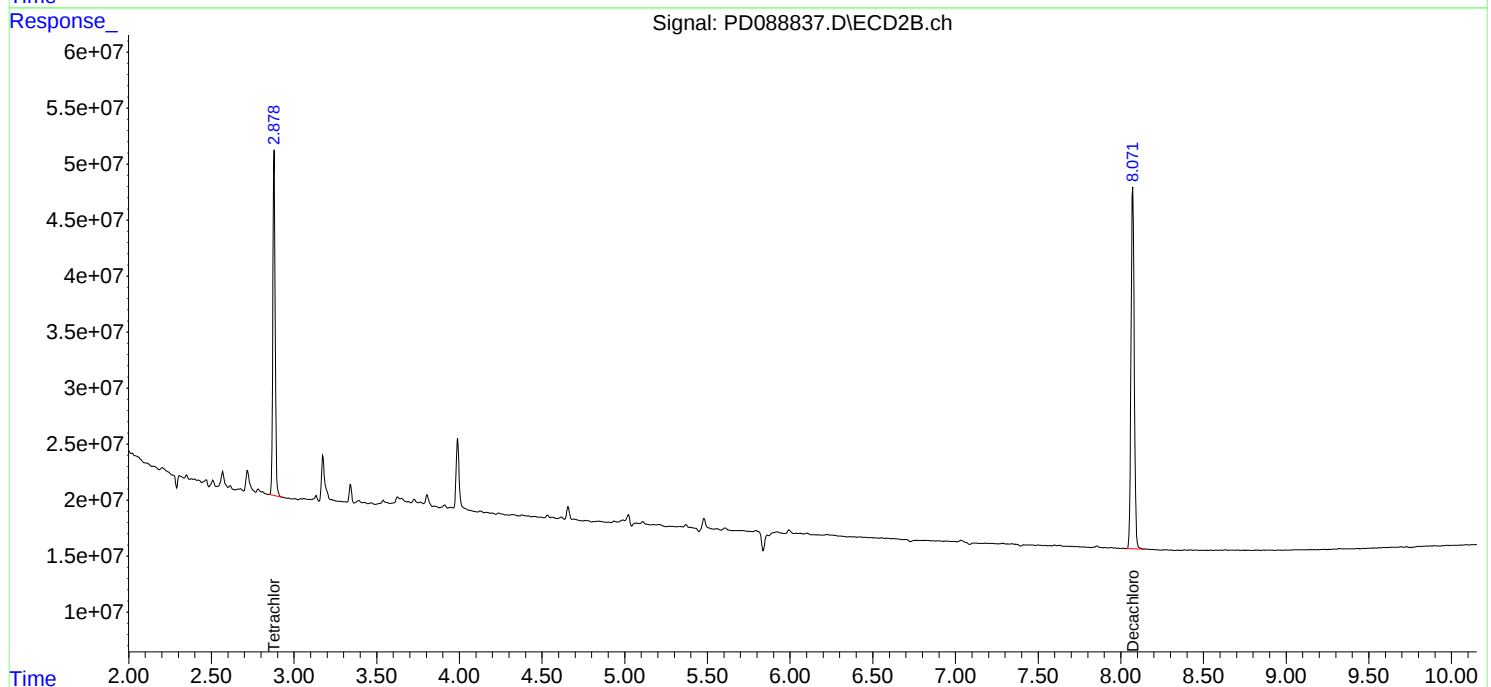
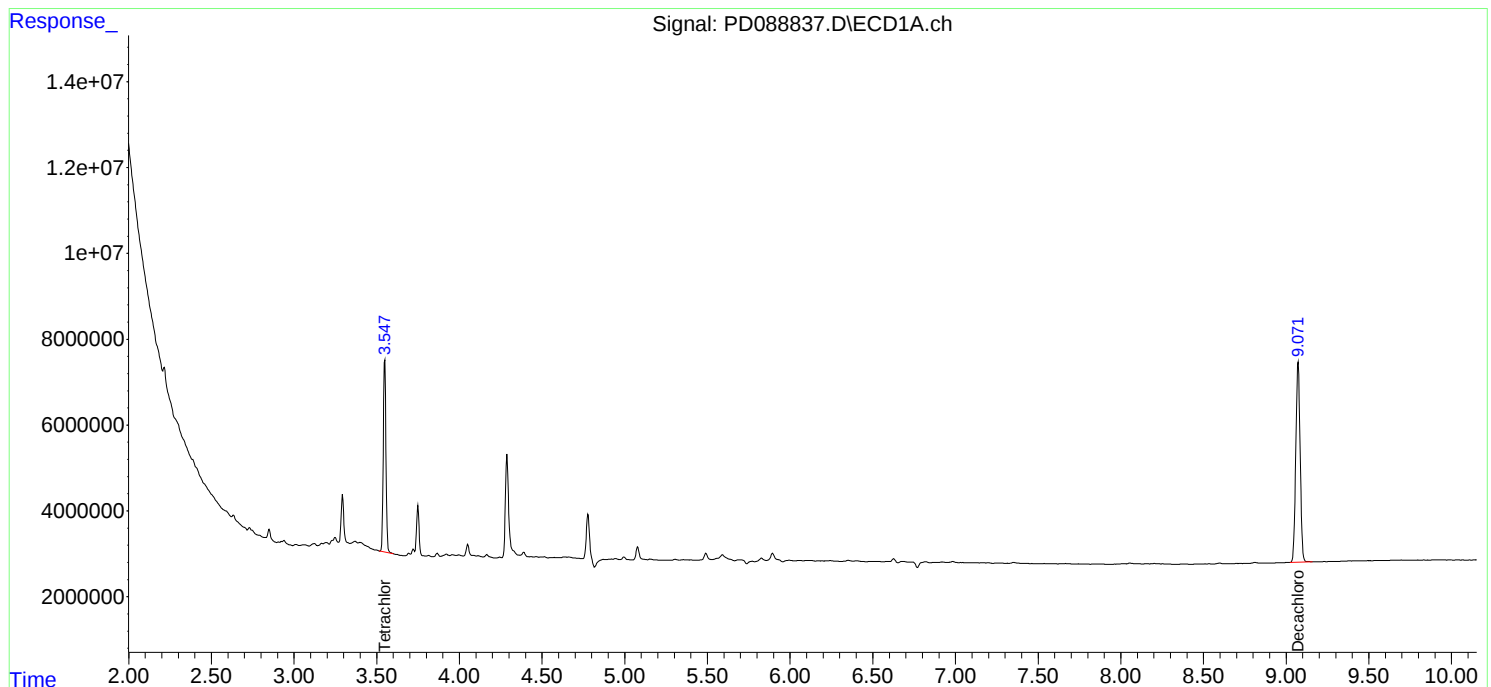
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

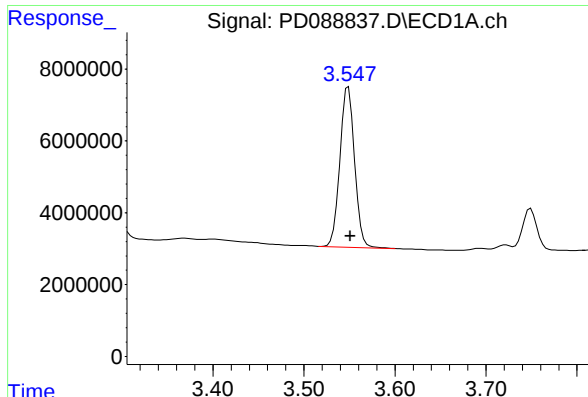
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD060925\
Data File : PD088837.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 14:25
Operator : AR\AJ
Sample : Q2198-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
B-207-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 15:23:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

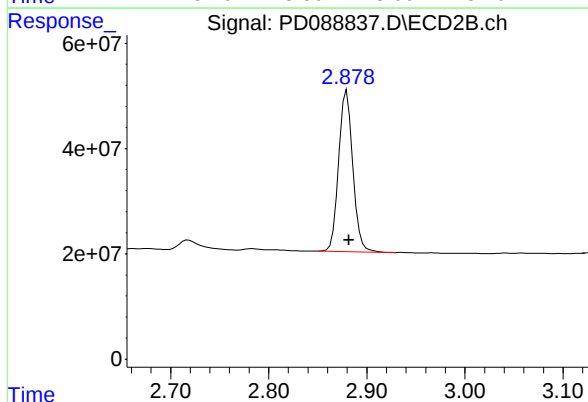




#1 Tetrachloro-m-xylene

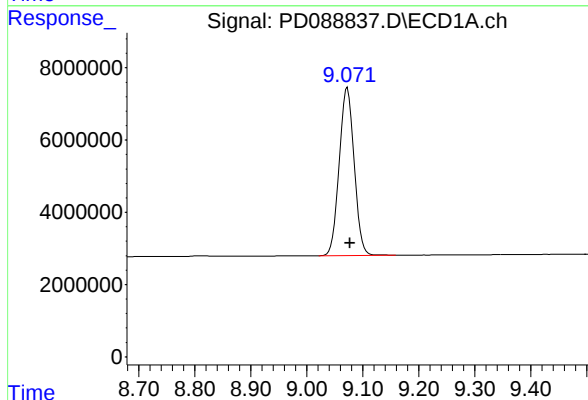
R.T.: 3.549 min
Delta R.T.: -0.002 min
Response: 49900506
Conc: 23.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-207-SB02



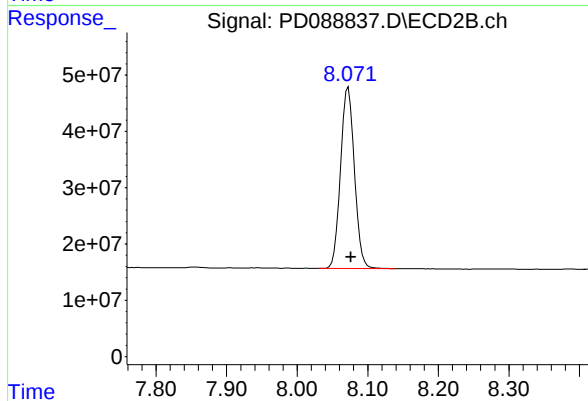
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 307142383
Conc: 20.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.005 min
Response: 86174309
Conc: 25.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.004 min
Response: 439554873
Conc: 24.08 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD060925\
 Data File : PD088832.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jun 2025 13:14
 Operator : AR\AJ
 Sample : PB168330BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168330BL

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Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 09 13:57:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 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 x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.555	2.880	52203070	329.3E6	24.126	21.771
28) SA Decachlor...	9.081	8.075	88127967	446.3E6	25.751	24.446

Target Compounds

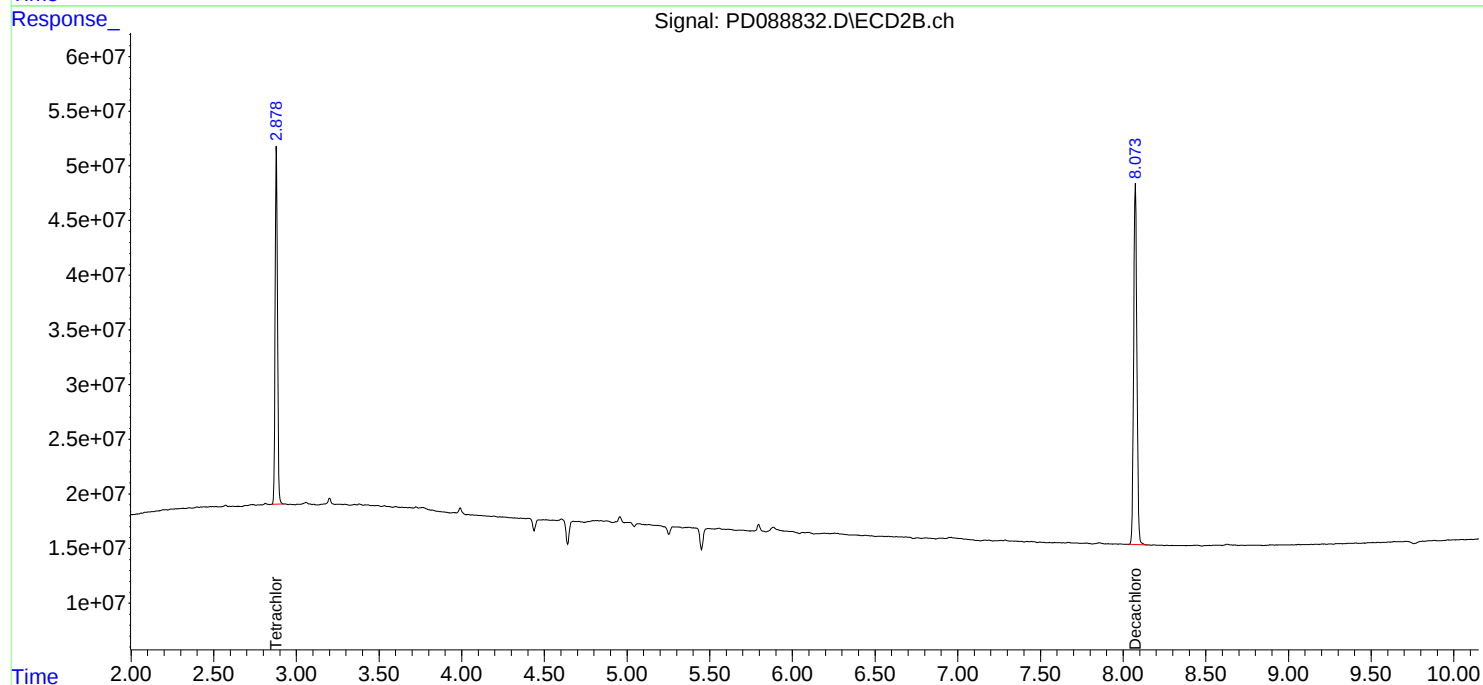
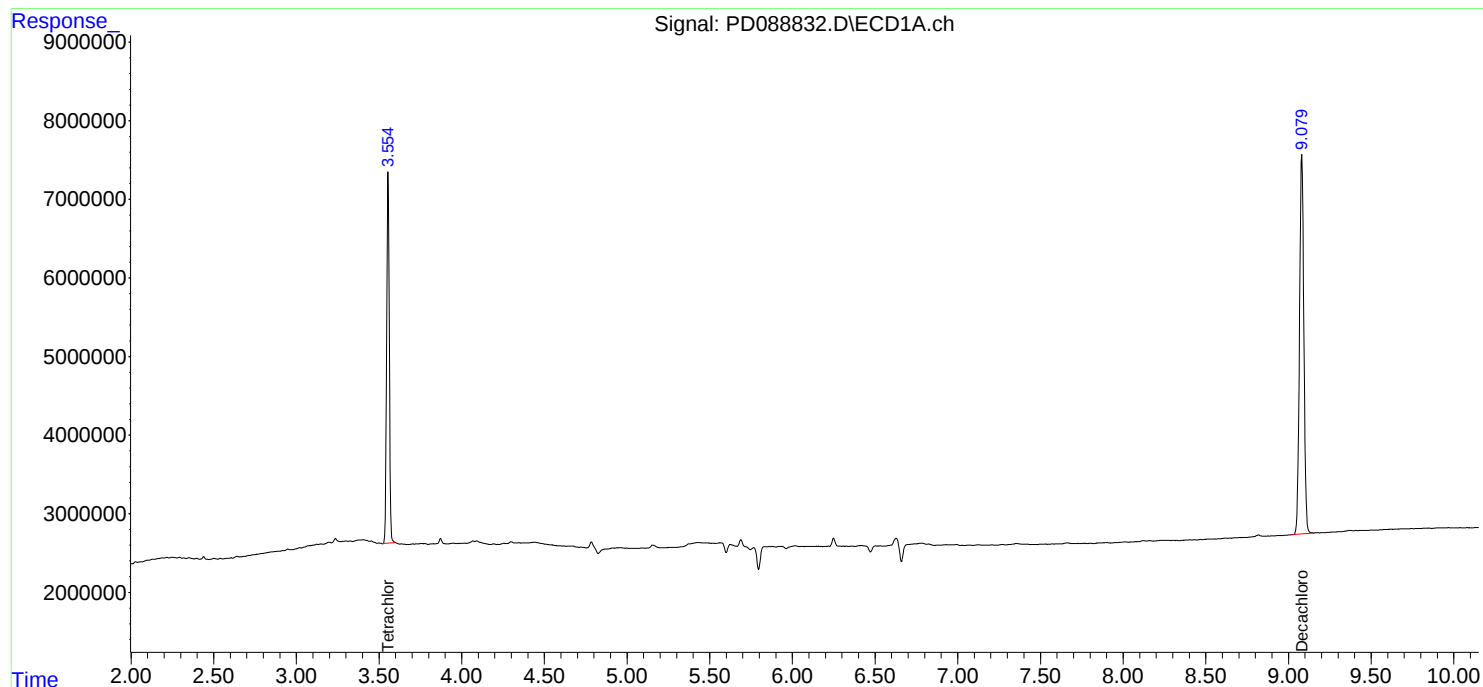
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

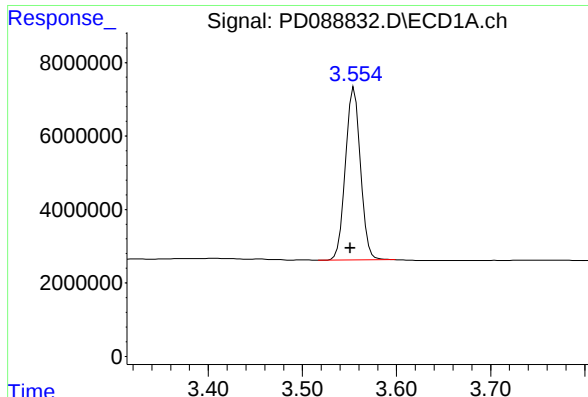
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD060925\
Data File : PD088832.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 13:14
Operator : AR\AJ
Sample : PB168330BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168330BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 13:57:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

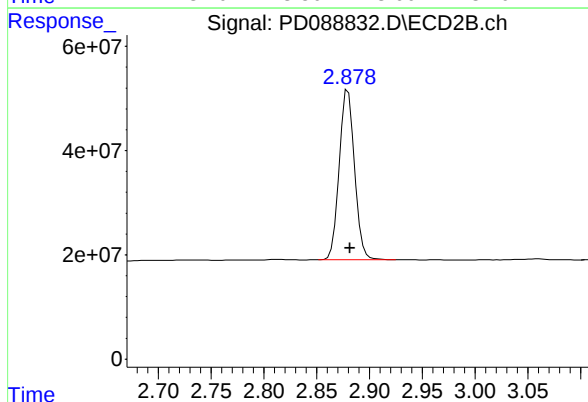




#1 Tetrachloro-m-xylene

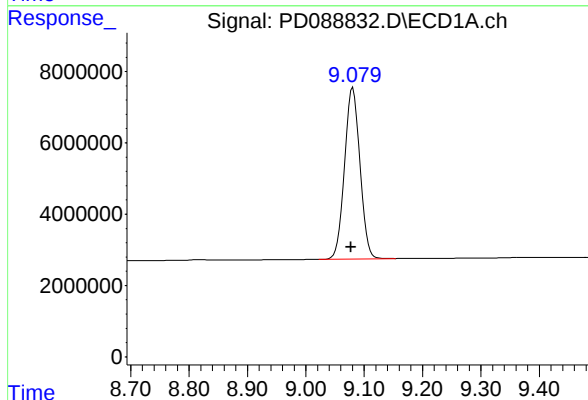
R.T.: 3.555 min
Delta R.T.: 0.004 min
Response: 52203070
Conc: 24.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168330BL



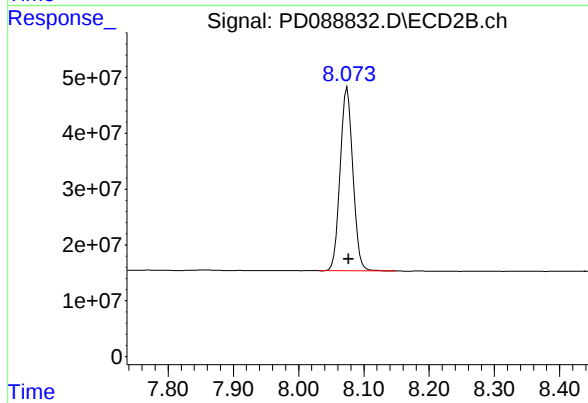
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 329330180
Conc: 21.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.081 min
Delta R.T.: 0.003 min
Response: 88127967
Conc: 25.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 446290877
Conc: 24.45 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD060925\
 Data File : PD088833.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jun 2025 13:28
 Operator : AR\AJ
 Sample : PB168330BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168330BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 09 13:58:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 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 x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.879	47548210	308.6E6	21.975	20.399
28)	SA Decachlor...	9.072	8.073	81476462	418.3E6	23.807	22.915
Target Compounds							
2)	A alpha-BHC	3.998	3.392	254.6E6	1173.2E6	53.292	49.082
3)	MA gamma-BHC...	4.329	3.729	242.3E6	1089.9E6	52.648	49.169
4)	MA Heptachlor	4.928	4.082	240.6E6	1087.7E6	53.806	48.440
5)	MB Aldrin	5.270	4.367	234.5E6	1076.8E6	53.351	49.102
6)	B beta-BHC	4.514	4.024	93563253	471.9E6	51.889	48.440
7)	B delta-BHC	4.763	4.261	239.2E6	1098.4E6	56.589	49.268
8)	B Heptachlo...	5.690	4.872	210.9E6	971.5E6	53.133	48.890
9)	A Endosulfan I	6.074	5.246	200.1E6	934.7E6	53.176	49.252
10)	B gamma-Chl...	5.945	5.125	211.6E6	1055.8E6	53.046	49.495
11)	B alpha-Chl...	6.026	5.189	213.4E6	1013.3E6	53.276	49.132
12)	B 4,4'-DDE	6.195	5.374	196.0E6	1026.4E6	54.597	49.105
13)	MA Dieldrin	6.346	5.512	214.5E6	1036.0E6	53.461	49.231
14)	MA Endrin	6.574	5.788	183.0E6	931.1E6	53.588	48.284
15)	B Endosulfa...	6.786	6.080	182.2E6	904.0E6	52.910	49.340
16)	A 4,4'-DDD	6.705	5.929	155.8E6	867.3E6	55.946	49.864
17)	MA 4,4'-DDT	7.021	6.183	169.7E6	900.5E6	54.367	49.652
18)	B Endrin al...	6.914	6.258	137.9E6	687.2E6	53.563	49.340
19)	B Endosulfa...	7.149	6.481	172.4E6	877.1E6	53.829	49.396
20)	A Methoxychlor	7.493	6.754	89476797	465.8E6	53.561	48.646
21)	B Endrin ke...	7.630	6.991	186.2E6	978.4E6	54.396	50.568
22)	Mirex	8.113	7.185	136.8E6	754.5E6	52.666	49.632

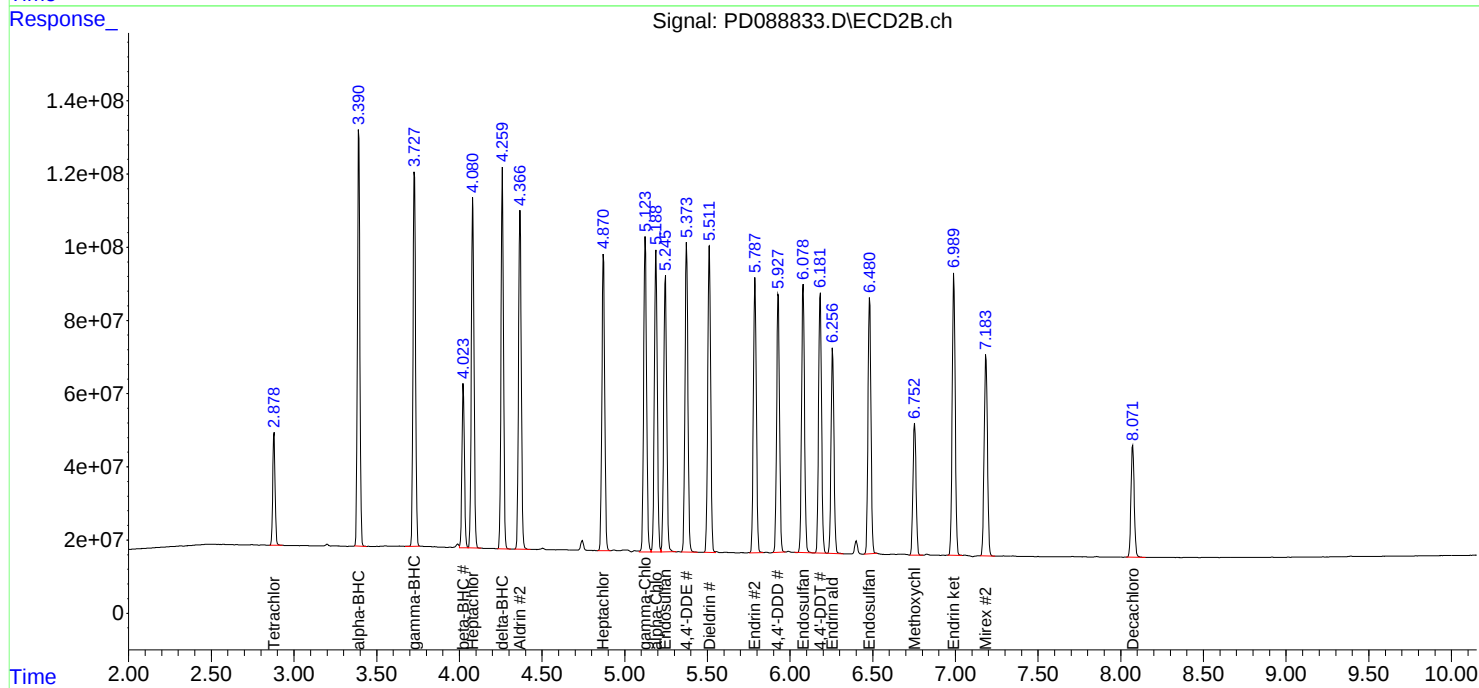
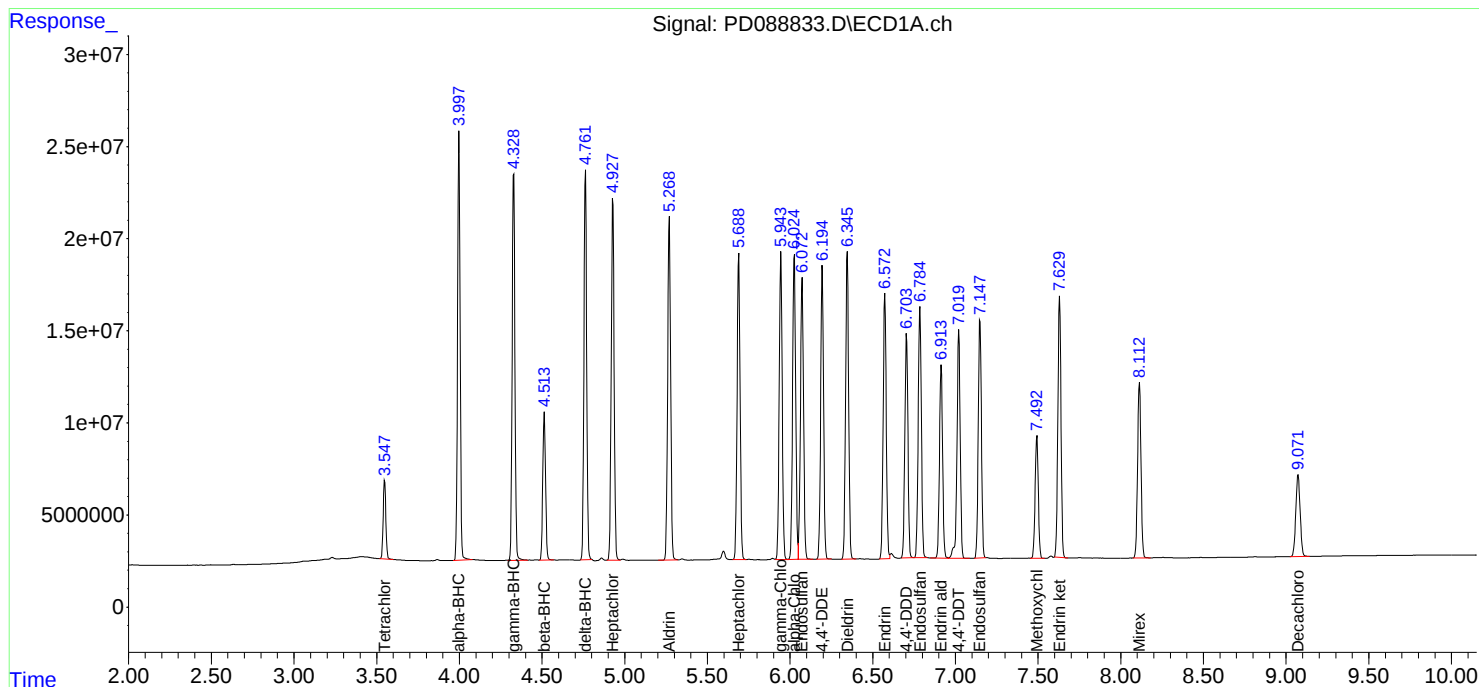
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD060925\
Data File : PD088833.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 13:28
Operator : AR\AJ
Sample : PB168330BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168330BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 13:58:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD060925\
 Data File : PD088838.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jun 2025 14:39
 Operator : AR\AJ
 Sample : Q2198-04MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

B-207-SB02MS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 09 15:24:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 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 x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.880	52420113	319.0E6	24.227	21.092
28)	SA Decachlor...	9.072	8.072	88460583	452.1E6	25.848	24.764
Target Compounds							
2)	A alpha-BHC	3.998	3.392	296.9E6	1281.9E6	62.152	53.627
3)	MA gamma-BHC...	4.329	3.729	290.6E6	1203.5E6	63.145	54.293
4)	MA Heptachlor	4.928	4.082	242.9E6	1052.9E6	54.317	46.887
5)	MB Aldrin	5.270	4.368	226.1E6	1010.3E6	51.449	46.069
6)	B beta-BHC	4.514	4.024	109.6E6	526.8E6	60.810	54.072
7)	B delta-BHC	4.763	4.261	290.0E6	1237.4E6	68.626	55.505
8)	B Heptachlo...	5.690	4.872	242.0E6	1072.3E6	60.977	53.960
9)	A Endosulfan I	6.074	5.246	230.3E6	1031.0E6	61.190	54.327
10)	B gamma-Chl...	5.945	5.125	241.8E6	1161.3E6	60.627	54.438
11)	B alpha-Chl...	6.026	5.189	244.6E6	1118.5E6	61.057	54.231
12)	B 4,4'-DDE	6.195	5.375	223.5E6	1129.4E6	62.265	54.034
13)	MA Dieldrin	6.346	5.510	249.4E6	1152.0E6	62.156	54.744m
14)	MA Endrin	6.574	5.787	215.1E6	1056.9E6	62.972	54.807m
15)	B Endosulfa...	6.786	6.079	201.8E6	1016.9E6	58.615	55.504
16)	A 4,4'-DDD	6.704	5.929	180.4E6	961.8E6	64.775	55.298
17)	MA 4,4'-DDT	7.020	6.183	192.2E6	1016.7E6	61.554	56.055
18)	B Endrin al...	6.914	6.258	159.8E6	776.7E6	62.079	55.765
19)	B Endosulfa...	7.149	6.482	199.8E6	991.2E6	62.392	55.826
20)	A Methoxychlor	7.493	6.754	103.8E6	526.8E6	62.131	55.015
21)	B Endrin ke...	7.629	6.991	214.9E6	1101.0E6	62.767	56.906
22)	Mirex	8.113	7.185	152.4E6	828.0E6	58.650	54.464

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD060925\
Data File : PD088838.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 14:39
Operator : AR\AJ
Sample : Q2198-04MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

B-207-SB02MS

Manual Integrations

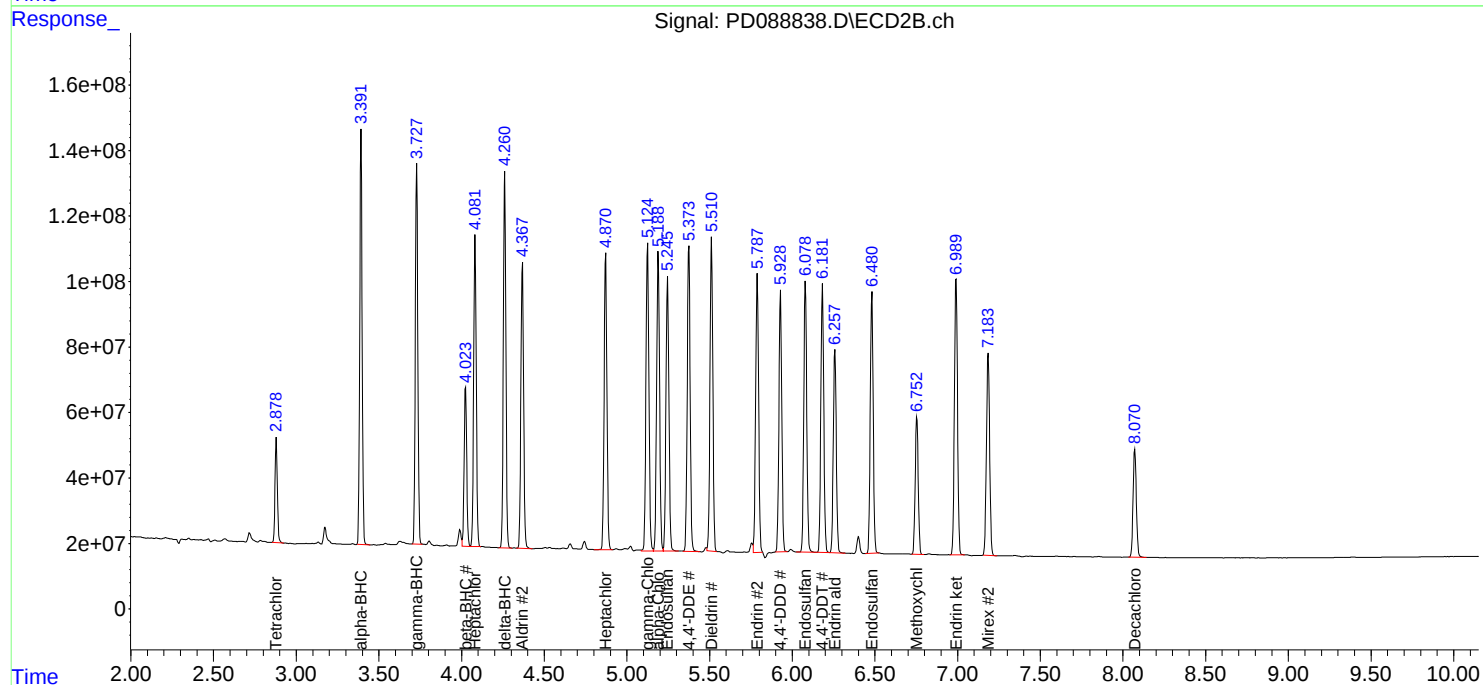
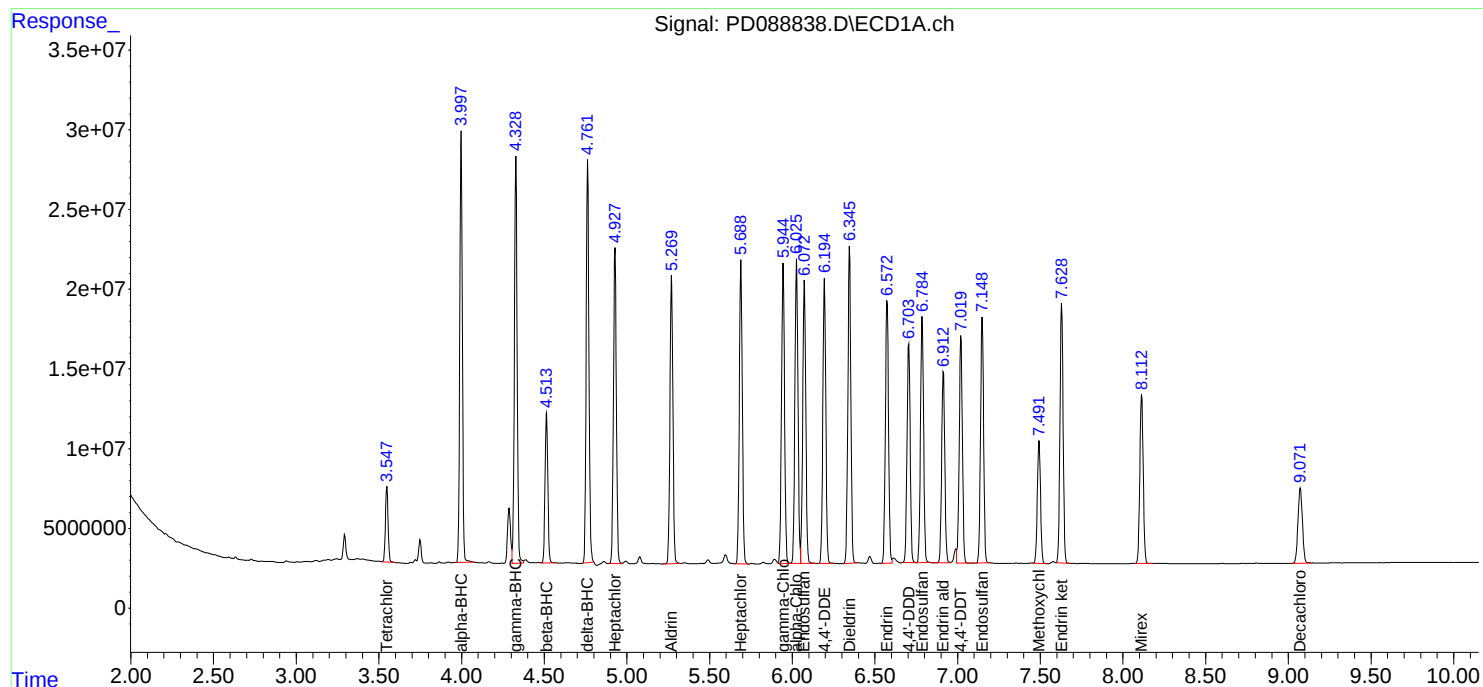
APPROVED

Reviewed By :Abdul Mirza 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 15:24:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 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 x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD060925\
 Data File : PD088839.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jun 2025 14:53
 Operator : AR\AJ
 Sample : Q2198-04MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

B-207-SB02MSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 09 15:24:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 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 x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.880	52602910	321.6E6	24.311	21.260
28)	SA Decachlor...	9.072	8.072	89449800	454.2E6	26.137	24.879
Target Compounds							
2)	A alpha-BHC	3.998	3.392	298.2E6	1291.3E6	62.430	54.019
3)	MA gamma-BHC...	4.329	3.728	292.3E6	1211.2E6	63.504	54.643
4)	MA Heptachlor	4.928	4.082	243.6E6	1061.8E6	54.477	47.285
5)	MB Aldrin	5.270	4.368	226.9E6	1013.8E6	51.640	46.227
6)	B beta-BHC	4.514	4.024	110.2E6	532.3E6	61.134	54.644
7)	B delta-BHC	4.762	4.261	294.3E6	1242.5E6	69.650	55.732
8)	B Heptachlo...	5.690	4.872	242.7E6	1076.5E6	61.145	54.173
9)	A Endosulfan I	6.073	5.246	230.6E6	1035.9E6	61.287	54.582
10)	B gamma-Chl...	5.945	5.125	242.6E6	1166.9E6	60.811	54.701
11)	B alpha-Chl...	6.026	5.189	244.9E6	1125.4E6	61.127	54.566
12)	B 4,4'-DDE	6.195	5.374	224.1E6	1135.1E6	62.422	54.305
13)	MA Dieldrin	6.346	5.510	250.0E6	1164.1E6	62.315	55.318m
14)	MA Endrin	6.573	5.789	215.3E6	1115.1E6	63.050	57.827
15)	B Endosulfa...	6.785	6.080	202.6E6	1022.7E6	58.841	55.816
16)	A 4,4'-DDD	6.704	5.929	181.1E6	966.5E6	65.023	55.573
17)	MA 4,4'-DDT	7.021	6.183	201.5E6	1021.1E6	64.556	56.299
18)	B Endrin al...	6.914	6.258	160.8E6	781.8E6	62.458	56.130
19)	B Endosulfa...	7.149	6.481	200.9E6	996.8E6	62.714	56.141
20)	A Methoxychlor	7.492	6.754	104.2E6	530.0E6	62.391	55.352
21)	B Endrin ke...	7.629	6.991	216.2E6	1104.9E6	63.164	57.109
22)	Mirex	8.113	7.185	153.8E6	832.4E6	59.209	54.752

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD060925\
Data File : PD088839.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 14:53
Operator : AR\AJ
Sample : Q2198-04MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

B-207-SB02MSD

Manual Integrations

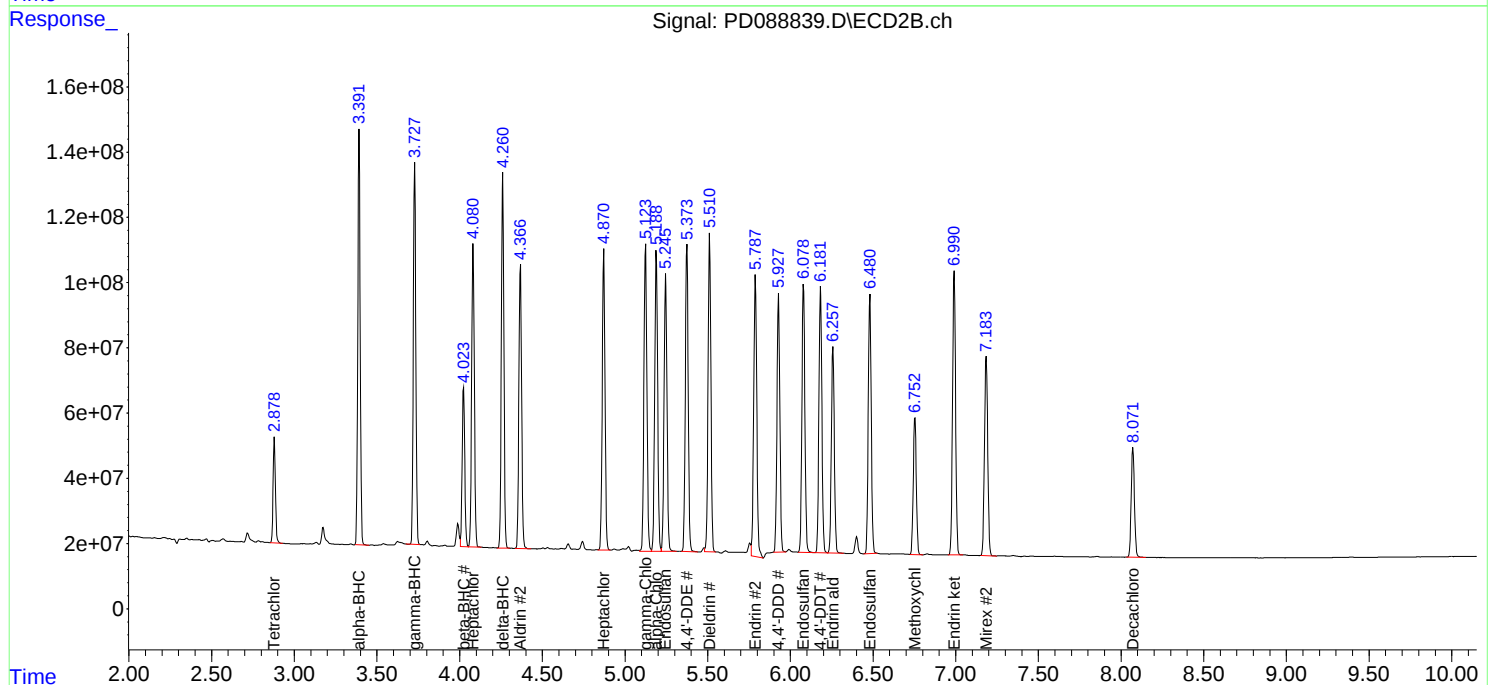
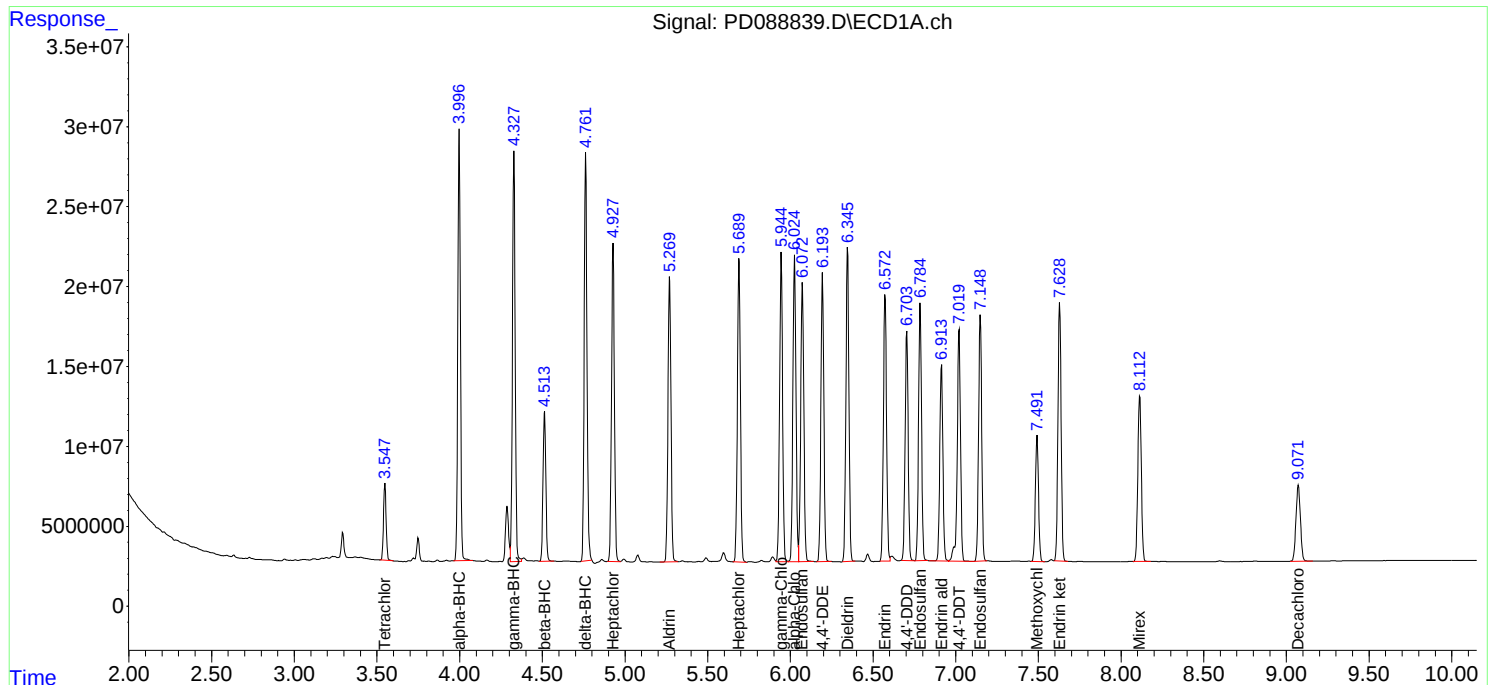
APPROVED

Reviewed By :Abdul Mirza 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 15:24:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Manual Integration Report

Sequence:	PD051925	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088584.D	4,4"-DDD	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	4,4"-DDD #2	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	Endrin aldehyde	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	Endrin aldehyde #2	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	Endrin ketone	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	Endrin ketone #2	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PSTDICC005	PD088590.D	Heptachlor	Abdul	5/20/2025 9:03:19 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PSTDICC005	PD088590.D	Heptachlor epoxide	Abdul	5/20/2025 9:03:19 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PCHLORICV500	PD088602.D	Chlordane-1	Abdul	5/20/2025 9:03:30 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088605.D	4,4"-DDD	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088605.D	4,4"-DDD #2	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088605.D	Endrin aldehyde #2	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088605.D	Endrin ketone	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software

Manual Integration Report

Sequence:

PD051925

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088605.D	Endrin ketone #2	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
I.BLK	PD088613.D	Decachlorobiphenyl	Abdul	5/20/2025 9:03:54 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PSTDCCC050	PD088614.D	4,4"-DDE #2	Abdul	5/20/2025 9:03:58 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software

Manual Integration Report

Sequence:	Pd060925	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088821.D	Endrin aldehyde	Abdul	6/10/2025 8:34:47 AM	mohammad	6/11/2025 2:16:06	Peak Integrated by Software
PEM	PD088821.D	Endrin ketone	Abdul	6/10/2025 8:34:47 AM	mohammad	6/11/2025 2:16:06	Peak Integrated by Software
PSTDCCC050	PD088822.D	4,4"-DDE #2	Abdul	6/10/2025 8:34:53 AM	mohammad	6/11/2025 2:16:06	Peak Integrated by Software
PSTDCCC050	PD088822.D	Endosulfan II #2	Abdul	6/10/2025 8:34:53 AM	mohammad	6/11/2025 2:16:06	Peak Integrated by Software
Q2198-04MS	PD088838.D	Dieldrin #2	Abdul	6/10/2025 8:34:57 AM	mohammad	6/11/2025 2:16:06	Peak Integrated by Software
Q2198-04MS	PD088838.D	Endrin #2	Abdul	6/10/2025 8:34:57 AM	mohammad	6/11/2025 2:16:06	Peak Integrated by Software
Q2198-04MSD	PD088839.D	Dieldrin #2	Abdul	6/10/2025 8:35:01 AM	mohammad	6/11/2025 2:16:06	Peak Integrated by Software
PSTDCCC050	PD088841.D	4,4"-DDE #2	Abdul	6/10/2025 8:35:05 AM	mohammad	6/11/2025 2:16:06	Peak Integrated by Software
PSTDCCC050	PD088841.D	Aldrin #2	Abdul	6/10/2025 8:35:05 AM	mohammad	6/11/2025 2:16:06	Peak Integrated by Software
PSTDCCC050	PD088851.D	4,4"-DDE #2	Abdul	6/10/2025 8:35:31 AM	mohammad	6/11/2025 2:16:06	Peak Integrated by Software
PSTDCCC050	PD088851.D	Aldrin #2	Abdul	6/10/2025 8:35:31 AM	mohammad	6/11/2025 2:16:06	Peak Integrated by Software

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM
SubDirectory	PD051925	HP Acquire Method	HP Processing Method pd0519 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	PD088582.D	19 May 2025 10:36	AR\AJ	Ok
2	I.BLK	PD088583.D	19 May 2025 10:50	AR\AJ	Ok
3	PEM	PD088584.D	19 May 2025 11:04	AR\AJ	Ok,M
4	RESCHK	PD088585.D	19 May 2025 11:17	AR\AJ	Ok
5	PSTDICC100	PD088586.D	19 May 2025 11:31	AR\AJ	Ok
6	PSTDICC075	PD088587.D	19 May 2025 11:45	AR\AJ	Ok
7	PSTDICC050	PD088588.D	19 May 2025 11:58	AR\AJ	Ok
8	PSTDICC025	PD088589.D	19 May 2025 12:12	AR\AJ	Ok
9	PSTDICC005	PD088590.D	19 May 2025 12:25	AR\AJ	Ok,M
10	PCHLORICC1000	PD088591.D	19 May 2025 12:39	AR\AJ	Ok
11	PCHLORICC750	PD088592.D	19 May 2025 12:52	AR\AJ	Ok
12	PCHLORICC500	PD088593.D	19 May 2025 13:06	AR\AJ	Ok
13	PCHLORICC250	PD088594.D	19 May 2025 13:19	AR\AJ	Ok
14	PCHLORICC050	PD088595.D	19 May 2025 13:33	AR\AJ	Ok
15	PTOXICC1000	PD088596.D	19 May 2025 13:47	AR\AJ	Ok
16	PTOXICC750	PD088597.D	19 May 2025 14:00	AR\AJ	Ok
17	PTOXICC500	PD088598.D	19 May 2025 14:14	AR\AJ	Ok
18	PTOXICC250	PD088599.D	19 May 2025 14:27	AR\AJ	Ok,M
19	PTOXICC100	PD088600.D	19 May 2025 14:41	AR\AJ	Ok
20	PSTDICV050	PD088601.D	19 May 2025 14:55	AR\AJ	Ok
21	PCHLORICV500	PD088602.D	19 May 2025 15:08	AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM
SubDirectory	PD051925	HP Acquire Method	HP Processing Method pd0519 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	PD088603.D	19 May 2025 15:22	AR\AJ	Ok
23	I.BLK	PD088604.D	19 May 2025 15:35	AR\AJ	Ok
24	PEM	PD088605.D	19 May 2025 15:49	AR\AJ	Ok,M
25	PSTDCCC050	PD088606.D	19 May 2025 16:02	AR\AJ	Ok
26	PTOXCCC500	PD088607.D	19 May 2025 16:16	AR\AJ	Ok
27	PB167959BS	PD088608.D	19 May 2025 16:32	AR\AJ	Ok
28	Q1984-09RE	PD088609.D	19 May 2025 16:50	AR\AJ	Confirms
29	Q1984-11RE	PD088610.D	19 May 2025 17:04	AR\AJ	Confirms
30	Q1984-13RE	PD088611.D	19 May 2025 17:18	AR\AJ	Confirms
31	Q1984-15RE	PD088612.D	19 May 2025 17:31	AR\AJ	Confirms
32	I.BLK	PD088613.D	19 May 2025 17:45	AR\AJ	Ok,M
33	PSTDCCC050	PD088614.D	19 May 2025 18:45	AR\AJ	Ok,M
34	PTOXCCC500	PD088615.D	19 May 2025 19:32	AR\AJ	Ok
35	PB168066BL	PD088616.D	19 May 2025 20:26	AR\AJ	Ok
36	PB168066BS	PD088617.D	19 May 2025 20:40	AR\AJ	Not Ok
37	PB167994TB	PD088618.D	19 May 2025 20:54	AR\AJ	Ok
38	Q2014-05	PD088619.D	19 May 2025 21:08	AR\AJ	Not Ok
39	Q2027-03	PD088620.D	19 May 2025 21:21	AR\AJ	Ok,M
40	Q2027-03MS	PD088621.D	19 May 2025 21:35	AR\AJ	Ok,M
41	Q2027-03MSD	PD088622.D	19 May 2025 21:49	AR\AJ	Ok,M
42	Q2027-04	PD088623.D	19 May 2025 22:02	AR\AJ	Ok
43	Q2032-09	PD088624.D	19 May 2025 22:16	AR\AJ	Ok
44	I.BLK	PD088625.D	19 May 2025 22:30	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM
SubDirectory	PD051925	HP Acquire Method	HP Processing Method pd0519 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			

45	PSTDCCC050	PD088626.D	19 May 2025 22:43	AR\AJ	Ok
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M : Manual Integration



Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD060925

Review By	Abdul	Review On	6/10/2025 8:35:58 AM
Supervise By	mohammad	Supervise On	6/11/2025 2:16:06 AM
SubDirectory	PD060925	HP Acquire Method	HP Processing Method pd051925 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	PD088819.D	09 Jun 2025 08:36	AR\AJ	Ok
2	I.BLK	PD088820.D	09 Jun 2025 08:50	AR\AJ	Ok
3	PEM	PD088821.D	09 Jun 2025 10:30	AR\AJ	Ok,M
4	PSTDCCC050	PD088822.D	09 Jun 2025 10:44	AR\AJ	Ok,M
5	Q2207-09	PD088823.D	09 Jun 2025 11:04	AR\AJ	Ok
6	Q2207-18	PD088824.D	09 Jun 2025 11:18	AR\AJ	Ok
7	Q2207-27	PD088825.D	09 Jun 2025 11:31	AR\AJ	Ok
8	Q2207-36	PD088826.D	09 Jun 2025 11:45	AR\AJ	Ok
9	Q2207-45	PD088827.D	09 Jun 2025 11:59	AR\AJ	Ok
10	Q2208-09	PD088828.D	09 Jun 2025 12:12	AR\AJ	Ok
11	Q2208-18	PD088829.D	09 Jun 2025 12:26	AR\AJ	Ok
12	Q2208-27	PD088830.D	09 Jun 2025 12:40	AR\AJ	Ok
13	Q2208-36	PD088831.D	09 Jun 2025 12:53	AR\AJ	Ok
14	PB168330BL	PD088832.D	09 Jun 2025 13:14	AR\AJ	Ok
15	PB168330BS	PD088833.D	09 Jun 2025 13:28	AR\AJ	Ok
16	PB168271TB	PD088834.D	09 Jun 2025 13:44	AR\AJ	Ok
17	PB168311TB	PD088835.D	09 Jun 2025 13:58	AR\AJ	Ok
18	Q2198-02	PD088836.D	09 Jun 2025 14:11	AR\AJ	Ok
19	Q2198-04	PD088837.D	09 Jun 2025 14:25	AR\AJ	Ok
20	Q2198-04MS	PD088838.D	09 Jun 2025 14:39	AR\AJ	Ok,M
21	Q2198-04MSD	PD088839.D	09 Jun 2025 14:53	AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD060925

Review By	Abdul	Review On	6/10/2025 8:35:58 AM
Supervise By	mohammad	Supervise On	6/11/2025 2:16:06 AM
SubDirectory	PD060925	HP Acquire Method	HP Processing Method pd051925 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	PD088840.D	09 Jun 2025 15:30	AR\AJ	Ok
23	PSTDCCC050	PD088841.D	09 Jun 2025 15:44	AR\AJ	Ok,M
24	PB168363BL	PD088842.D	09 Jun 2025 16:20	AR\AJ	Ok
25	PB168363BS	PD088843.D	09 Jun 2025 16:34	AR\AJ	Ok
26	PB168333TB	PD088844.D	09 Jun 2025 16:47	AR\AJ	Ok
27	Q2137-05	PD088845.D	09 Jun 2025 17:01	AR\AJ	Ok,M
28	Q2137-05MS	PD088846.D	09 Jun 2025 17:15	AR\AJ	Ok,M
29	Q2137-05MSD	PD088847.D	09 Jun 2025 17:28	AR\AJ	Ok,M
30	Q2262-02	PD088848.D	09 Jun 2025 17:42	AR\AJ	Ok
31	Q2262-04	PD088849.D	09 Jun 2025 17:56	AR\AJ	Ok
32	I.BLK	PD088850.D	09 Jun 2025 18:09	AR\AJ	Ok
33	PSTDCCC050	PD088851.D	09 Jun 2025 18:23	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM
SubDirectory	PD051925	HP Acquire Method	HP Processing Method
			pd0519 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	PD088582.D	19 May 2025 10:36		AR\AJ	Ok
2	I.BLK	I.BLK	PD088583.D	19 May 2025 10:50		AR\AJ	Ok
3	PEM	PEM	PD088584.D	19 May 2025 11:04		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD088585.D	19 May 2025 11:17		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD088586.D	19 May 2025 11:31		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD088587.D	19 May 2025 11:45		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD088588.D	19 May 2025 11:58		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD088589.D	19 May 2025 12:12		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD088590.D	19 May 2025 12:25		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD088591.D	19 May 2025 12:39		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD088592.D	19 May 2025 12:52		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD088593.D	19 May 2025 13:06		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD088594.D	19 May 2025 13:19		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD088595.D	19 May 2025 13:33		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PD088596.D	19 May 2025 13:47		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD088597.D	19 May 2025 14:00		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD088598.D	19 May 2025 14:14		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD088599.D	19 May 2025 14:27		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM
SubDirectory	PD051925	HP Acquire Method	HP Processing Method
			pd0519 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	PD088600.D	19 May 2025 14:41		AR\AJ	Ok
20	PSTDICV050	ICVPD051925	PD088601.D	19 May 2025 14:55		AR\AJ	Ok
21	PCHLORICV500	ICVPD051925CHLOR	PD088602.D	19 May 2025 15:08		AR\AJ	Ok,M
22	PTOXICV500	ICVPD051925TOX	PD088603.D	19 May 2025 15:22		AR\AJ	Ok
23	I.BLK	I.BLK	PD088604.D	19 May 2025 15:35		AR\AJ	Ok
24	PEM	PEM	PD088605.D	19 May 2025 15:49		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PD088606.D	19 May 2025 16:02		AR\AJ	Ok
26	PTOXCCC500	PTOXCCC500	PD088607.D	19 May 2025 16:16		AR\AJ	Ok
27	PB167959BS	PB167959BS	PD088608.D	19 May 2025 16:32	TOX BS	AR\AJ	Ok
28	Q1984-09RE	OU4-TS-25-050725RE	PD088609.D	19 May 2025 16:50	DCB Low in both column	AR\AJ	Confirms
29	Q1984-11RE	OU4-TS-26-050725RE	PD088610.D	19 May 2025 17:04	DCB Low in both column	AR\AJ	Confirms
30	Q1984-13RE	OU4-TS-27-050725RE	PD088611.D	19 May 2025 17:18	DCB Low in both column	AR\AJ	Confirms
31	Q1984-15RE	OU4-TS-28-050725RE	PD088612.D	19 May 2025 17:31	DCB Low in both column	AR\AJ	Confirms
32	I.BLK	I.BLK	PD088613.D	19 May 2025 17:45		AR\AJ	Ok,M
33	PSTDCCC050	PSTDCCC050	PD088614.D	19 May 2025 18:45		AR\AJ	Ok,M
34	PTOXCCC500	PTOXCCC500	PD088615.D	19 May 2025 19:32		AR\AJ	Ok
35	PB168066BL	PB168066BL	PD088616.D	19 May 2025 20:26		AR\AJ	Ok
36	PB168066BS	PB168066BS	PD088617.D	19 May 2025 20:40	Recovery fail for comp # 17 & 20	AR\AJ	Not Ok
37	PB167994TB	PB167994TB	PD088618.D	19 May 2025 20:54		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM
SubDirectory	PD051925	HP Acquire Method	HP Processing Method
			pd0519 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			

38	Q2014-05	MOO-25-0148	PD088619.D	19 May 2025 21:08	TCMX having F flag in both column, already run	AR\AJ	Not Ok
39	Q2027-03	B27-SOIL-SAMPLE	PD088620.D	19 May 2025 21:21		AR\AJ	Ok,M
40	Q2027-03MS	B27-SOIL-SAMPLEMS	PD088621.D	19 May 2025 21:35		AR\AJ	Ok,M
41	Q2027-03MSD	B27-SOIL-SAMPLEMS	PD088622.D	19 May 2025 21:49		AR\AJ	Ok,M
42	Q2027-04	B28-SOIL-SAMPLE	PD088623.D	19 May 2025 22:02		AR\AJ	Ok
43	Q2032-09	COMP-1	PD088624.D	19 May 2025 22:16		AR\AJ	Ok
44	I.BLK	I.BLK	PD088625.D	19 May 2025 22:30		AR\AJ	Ok
45	PSTDCCC050	PSTDCCC050	PD088626.D	19 May 2025 22:43		AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD060925

Review By	Abdul	Review On	6/10/2025 8:35:58 AM
Supervise By	mohammad	Supervise On	6/11/2025 2:16:06 AM
SubDirectory	PD060925	HP Acquire Method	HP Processing Method pd051925 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	PD088819.D	09 Jun 2025 08:36		AR\AJ	Ok
2	I.BLK	I.BLK	PD088820.D	09 Jun 2025 08:50		AR\AJ	Ok
3	PEM	PEM	PD088821.D	09 Jun 2025 10:30		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD088822.D	09 Jun 2025 10:44		AR\AJ	Ok,M
5	Q2207-09	BU-703-COMP-01	PD088823.D	09 Jun 2025 11:04		AR\AJ	Ok
6	Q2207-18	BU-703-COMP-02	PD088824.D	09 Jun 2025 11:18		AR\AJ	Ok
7	Q2207-27	BU-703-COMP-03	PD088825.D	09 Jun 2025 11:31		AR\AJ	Ok
8	Q2207-36	BU-703-COMP-04	PD088826.D	09 Jun 2025 11:45		AR\AJ	Ok
9	Q2207-45	BU-703-COMP-05	PD088827.D	09 Jun 2025 11:59		AR\AJ	Ok
10	Q2208-09	BU-703-COMP-06	PD088828.D	09 Jun 2025 12:12		AR\AJ	Ok
11	Q2208-18	BU-703-COMP-07	PD088829.D	09 Jun 2025 12:26		AR\AJ	Ok
12	Q2208-27	BU-703-COMP-08	PD088830.D	09 Jun 2025 12:40		AR\AJ	Ok
13	Q2208-36	BU-703-COMP-09	PD088831.D	09 Jun 2025 12:53		AR\AJ	Ok
14	PB168330BL	PB168330BL	PD088832.D	09 Jun 2025 13:14		AR\AJ	Ok
15	PB168330BS	PB168330BS	PD088833.D	09 Jun 2025 13:28		AR\AJ	Ok
16	PB168271TB	PB168271TB	PD088834.D	09 Jun 2025 13:44		AR\AJ	Ok
17	PB168311TB	PB168311TB	PD088835.D	09 Jun 2025 13:58		AR\AJ	Ok
18	Q2198-02	B-202-SB02	PD088836.D	09 Jun 2025 14:11		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD060925

Review By	Abdul	Review On	6/10/2025 8:35:58 AM
Supervise By	mohammad	Supervise On	6/11/2025 2:16:06 AM
SubDirectory	PD060925	HP Acquire Method	HP Processing Method
			pd051925 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	Q2198-04	B-207-SB02	PD088837.D	09 Jun 2025 14:25		AR\AJ	Ok
20	Q2198-04MS	B-207-SB02MS	PD088838.D	09 Jun 2025 14:39		AR\AJ	Ok,M
21	Q2198-04MSD	B-207-SB02MSD	PD088839.D	09 Jun 2025 14:53		AR\AJ	Ok,M
22	I.BLK	I.BLK	PD088840.D	09 Jun 2025 15:30		AR\AJ	Ok
23	PSTDCCC050	PSTDCCC050	PD088841.D	09 Jun 2025 15:44		AR\AJ	Ok,M
24	PB168363BL	PB168363BL	PD088842.D	09 Jun 2025 16:20		AR\AJ	Ok
25	PB168363BS	PB168363BS	PD088843.D	09 Jun 2025 16:34		AR\AJ	Ok
26	PB168333TB	PB168333TB	PD088844.D	09 Jun 2025 16:47		AR\AJ	Ok
27	Q2137-05	MOO-25-0151	PD088845.D	09 Jun 2025 17:01		AR\AJ	Ok,M
28	Q2137-05MS	MOO-25-0151MS	PD088846.D	09 Jun 2025 17:15	Coming Flag due to matrix interference and no need to run again.	AR\AJ	Ok,M
29	Q2137-05MSD	MOO-25-0151MSD	PD088847.D	09 Jun 2025 17:28	Coming Flag due to matrix interference and no need to run again.	AR\AJ	Ok,M
30	Q2262-02	ARS20-0032	PD088848.D	09 Jun 2025 17:42		AR\AJ	Ok
31	Q2262-04	ARS20-0001	PD088849.D	09 Jun 2025 17:56		AR\AJ	Ok
32	I.BLK	I.BLK	PD088850.D	09 Jun 2025 18:09		AR\AJ	Ok
33	PSTDCCC050	PSTDCCC050	PD088851.D	09 Jun 2025 18:23		AR\AJ	Ok,M

M : Manual Integration

SOP ID :	M1311-TCLP-16	
SDG No :	N/A	Start Prep Date : 06/04/2025 Time : 15:00
Welgh By :	JP	End Prep Date : 06/05/2025 Time : 09:20
Balance ID :	WC SC-7	Combination Ratio : 20
pH Meter ID :	WC PH METER-1	ZHE Cleaning Batch : 70 N/A
Extraction By :	JP	Initial Room Temperature: 24 °C
Filter By :	JP	Final Room Temperature: 22 °C
Pippete ID :	WC	TCLP Technician Signature : <i>JP</i>
Tumbler ID :	T-1 / T-2	Supervisor By : <i>12</i>
TCLP Filter ID :	115525	

Standarded 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	W1940,W1941,W1942	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 fiftation and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. q2208-36 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Recelved By/Location
06/05/25 11:30	<i>JP</i> <i>1000 Room</i>	<i>JP</i> <i>RS</i> <i>1 EXT</i>
	Preparation Group	Analysis Group <i>10/2/25</i>

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
PB168271TB	LEB271	16	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-2
Q2192-01	SB-1	01	100.02	2000	N/A	N/A	N/A	8.2	1.0	T-1
Q2194-02	COMP-12	02	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-1
Q2194-04	COMP-13	03	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
Q2198-02	B-202-SB02	04	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q2198-04	B-207-SB01 B-207-SB02	05	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2206-04	TP-1 30	06	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q2207-09	BU-703-COMP-01 06.11 ~	07	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q2207-18	BU-703-COMP-02 2025	08	100.04	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2207-27	BU-703-COMP-03	09	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2207-36	BU-703-COMP-04	10	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q2207-45	BU-703-COMP-05	11	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q2208-09	BU-703-COMP-06	12	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q2208-18	BU-703-COMP-07	13	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q2208-27	BU-703-COMP-08	14	100.01	2000	N/A	N/A	N/A	5.0	1.5	T-2
Q2208-36	BU-703-COMP-09	15	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168271TB	LEB271	N/A	N/A	N/A	N/A	N/A	N/A
Q2192-01	SB-1	N/A	N/A	N/A	N/A	100	N/A
Q2194-02	COMP-12	N/A	N/A	N/A	N/A	100	N/A
Q2194-04	COMP-13	N/A	N/A	N/A	N/A	100	N/A
Q2198-02	B-202-SB02	N/A	N/A	N/A	N/A	100	N/A
Q2198-04	B-207-SB01 B-207-SB02	N/A	N/A	N/A	N/A	100	N/A
Q2206-04	TP-1 SB	N/A	N/A	N/A	N/A	100	N/A
Q2207-09	BU-703-COMP-01 16-11-2025	N/A	N/A	N/A	N/A	100	N/A
Q2207-18	BU-703-COMP-02	N/A	N/A	N/A	N/A	100	N/A
Q2207-27	BU-703-COMP-03	N/A	N/A	N/A	N/A	100	N/A
Q2207-36	BU-703-COMP-04	N/A	N/A	N/A	N/A	100	N/A
Q2207-45	BU-703-COMP-05	N/A	N/A	N/A	N/A	100	N/A
Q2208-09	BU-703-COMP-06	N/A	N/A	N/A	N/A	100	N/A
Q2208-18	BU-703-COMP-07	N/A	N/A	N/A	N/A	100	N/A
Q2208-27	BU-703-COMP-08	N/A	N/A	N/A	N/A	100	N/A
Q2208-36	BU-703-COMP-09	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
PB168271TB	LEB271	N/A	N/A	N/A	N/A	#1	4.94
Q2192-01	SB-1	5.02	96.5	9.5	4.0	#1	4.94
Q2194-02	COMP-12	5.03	96.5	8.4	3.5	#1	4.94
Q2194-04	COMP-13	5.02	96.5	8.2	3.5	#1	4.94
Q2198-02	B-202-SB02	5.02	96.5	6.6	2.5	#1	4.94
Q2198-04	B-207-SB01 B-207-SB02	5.03	96.5	8.0	3.0	#1	4.94
Q2206-04	TP-1	5.02	96.5	7.6	2.5	#1	4.94
Q2207-09	BU-703-COMP-01	5.03	96.5	7.0	2.0	#1	4.94
Q2207-18	BU-703-COMP-02 06-11-2025	5.02	96.5	5.5	1.5	#1	4.94
Q2207-27	BU-703-COMP-03	5.01	96.5	6.0	2.0	#1	4.94
Q2207-36	BU-703-COMP-04	5.02	96.5	7.2	2.0	#1	4.94
Q2207-45	BU-703-COMP-05	5.03	96.5	5.5	1.5	#1	4.94
Q2208-09	BU-703-COMP-06	5.02	96.5	5.6	2.0	#1	4.94
Q2208-18	BU-703-COMP-07	5.03	96.5	5.5	1.5	#1	4.94
Q2208-27	BU-703-COMP-08	5.02	96.5	6.0	2.0	#1	4.94
Q2208-36	BU-703-COMP-09	5.01	96.5	7.0	2.5	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP Q2198

WorkList ID : 189914

Department : TCLP Extraction

Date : 06-04-2025 09:51:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2192-01	SB-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L21	06/03/2025	1311
Q2194-02	COMP-12	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	06/03/2025	1311
Q2194-04	COMP-13	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	06/03/2025	1311
Q2198-02	B-202-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	N22	05/31/2025	1311
Q2198-04	B-207-SB01 B207-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	N22	06/01/2025	1311
Q2206-04	TP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	06/04/2025	1311
Q2207-09	BU-703-COMP-01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	06/02/2025	1311
Q2207-18	BU-703-COMP-02	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	06/02/2025	1311
Q2207-27	BU-703-COMP-03	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	06/02/2025	1311
Q2207-36	BU-703-COMP-04	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	06/02/2025	1311
Q2207-45	BU-703-COMP-05	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	06/02/2025	1311
Q2208-09	BU-703-COMP-06	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	06/02/2025	1311
Q2208-18	BU-703-COMP-07	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	06/02/2025	1311
Q2208-27	BU-703-COMP-08	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	06/02/2025	1311
Q2208-36	BU-703-COMP-09	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	06/02/2025	1311

Date/Time 06/04/25 12:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

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

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

Matrix : Water **Extraction Start Time :** 12:32

Welgh By: N/A **Extraction By:** RS **Extraction End Date :** 06/06/2025

Balance check: N/A **Filter By:** RJ **Extraction End Time :** 17:10

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

pH Strip Lot#: E3880 **Hood ID:** 4,5,6,7 **Supervisor By :** RUPESH

Extraction Method: ☒ Seperatory Funnel ☐ Continious 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
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
6/6/25	RS (B4 Lab)	Dr. Pest- / PCB Lab
17:15	Preparation Group	Analysis Group

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

Concentration Date: 06/06/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168271TB	PB168271TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			SEP-1
PB168311TB	PB168311TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			2
PB168330BL	PBLK330	TCLP Pesticide	1000	6	RUPESH	ritesh	10			3
PB168330BS	PLCS330	TCLP Pesticide	1000	6	RUPESH	ritesh	10			4
Q2198-02	B-202-SB02	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		5
Q2198-04	B-207-SB02	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		6
Q2198-04MS	B-207-SB02MS	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		7
Q2198-04MS D	B-207-SB02MSD	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		8
Q2207-09	BU-703-COMP-01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		9
Q2207-18	BU-703-COMP-02	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		10
Q2207-27	BU-703-COMP-03	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		11
Q2207-36	BU-703-COMP-04	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		12
Q2207-45	BU-703-COMP-05	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		13
Q2208-09	BU-703-COMP-06	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		14
Q2208-18	BU-703-COMP-07	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		15
Q2208-27	BU-703-COMP-08	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		16
Q2208-36	BU-703-COMP-09	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		SEP-1
Q2235-03	WC-A2-08-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		2
Q2236-03	WC-A4-05A-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		3
Q2236-07	WC-A2-04-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		4
Q2236-11	WC-A2-05-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		5
Q2236-15	WC-A2-06-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		6
Q2236-19	WC-A2-07-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		7

* 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
PB168271TB	LEB271	16	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-2
Q2192-01	SB-1	01	100.02	2000	N/A	N/A	N/A	8.2	1.0	T-1
Q2194-02	COMP-12	02	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-1
Q2194-04	COMP-13	03	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
Q2198-02	B-202-SB02	04	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q2198-04	B-207-SB01	05	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2206-04	TP-1	06	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q2207-09	BU-703-COMP-01	07	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q2207-18	BU-703-COMP-02	08	100.04	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2207-27	BU-703-COMP-03	09	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2207-36	BU-703-COMP-04	10	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q2207-45	BU-703-COMP-05	11	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q2208-09	BU-703-COMP-06	12	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q2208-18	BU-703-COMP-07	13	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q2208-27	BU-703-COMP-08	14	100.01	2000	N/A	N/A	N/A	5.0	1.5	T-2
Q2208-36	BU-703-COMP-09	15	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2

06/05/15
11.30

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB168311TB	LEB311	16	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-2
Q2226-04	TP06-MHI-WC	01	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q2227-04	TP07-MHH-WC	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2228-04	TP08-MHI-WC	03	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2235-03	WC-A2-08-C	04	100.01	2000	N/A	N/A	N/A	12.0	1.5	T-1
Q2236-03	WC-A4-05A-C	05	100.02	2000	N/A	N/A	N/A	12.0	1.0	T-1
Q2236-07	WC-A2-04-C	06	100.03	2000	N/A	N/A	N/A	12.0	1.5	T-1
Q2236-11	WC-A2-05-C	07	100.00	2000	N/A	N/A	N/A	12.0	1.0	T-1
Q2236-15	WC-A2-06-C	08	100.01	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2236-19	WC-A2-07-C	09	100.02	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q2240-04	TP-3	10	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
Q2240-08	TP-2	11	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2
Q2240-12	TP-1	12	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2
Q2241-04	TP-N	13	100.04	2000	N/A	N/A	N/A	6.2	1.5	T-2
Q2241-08	TP-S	14	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2
Q2242-04	TP09-MHJ	15	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-2

06/06/25
11/30

LAB CHRONICLE

OrderID:	Q2198	OrderDate:	6/3/2025 2:31:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	N22,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2198-02	B-202-SB02	TCLP	TCLP Herbicide	8151A	05/31/25	06/06/25	06/09/25	06/03/25
			TCLP Pesticide	8081B		06/06/25	06/09/25	
Q2198-04	B-207-SB02	TCLP	TCLP Herbicide	8151A	06/01/25	06/06/25	06/09/25	06/03/25
			TCLP Pesticide	8081B		06/06/25	06/09/25	