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Hit Summary Sheet
SW-846

SDG No.:

P4578

Order ID:

P4578

Client:

Portal Partners Tri-Venture

Project ID:

Amtrak Sawtooth Bridges 2024

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:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOT	SDG No.:	P4578
Lab Sample ID:	P4578-06	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092700.D	1	10/26/24 12:50	10/29/24 11:23	PB164445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.7		30 (43) - 150 (140)	68%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		30 (77) - 150 (126)	91%	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:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOT-1	SDG No.:	P4578
Lab Sample ID:	P4578-08	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092703.D	1	10/26/24 12:50	10/29/24 12:04	PB164445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.7		30 (43) - 150 (140)	83%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		30 (77) - 150 (126)	89%	SPK: 20

Comments:

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Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	10/26/24	
Client Sample ID:	PB164393TB		SDG No.:	P4578	
Lab Sample ID:	PB164393TB		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	1000	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
PL092699.D	1	10/26/24 12:50	10/29/24 11:10	PB164445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.7		30 (43) - 150 (140)	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.3		30 (77) - 150 (126)	92%	SPK: 20

Comments:

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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

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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.: **P4578**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL092652.D	PIBLK-PL092652.D	Decachlorobiphenyl	1	20	22.7	114		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.6	108		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.7	109		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.4	102		30 (77)	150 (126)
I.BLK-PL092693.D	PIBLK-PL092693.D	Decachlorobiphenyl	1	20	23.1	115		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	22.4	112		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	23.5	118		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.5	107		30 (77)	150 (126)
PB164445BL	PB164445BL	Decachlorobiphenyl	1	20	19.2	96		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.3	91		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	18.5	92		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.8	89		30 (77)	150 (126)
PB164445BS	PB164445BS	Decachlorobiphenyl	1	20	19.5	98		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.1	91		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	18.4	92		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.0	85		30 (77)	150 (126)
PB164393TB	PB164393TB	Decachlorobiphenyl	1	20	19.7	98		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.3	92		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	18.9	94		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.5	87		30 (77)	150 (126)
P4578-06	WB-305-BOT	Decachlorobiphenyl	1	20	13.7	68		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.1	91		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	13.2	66		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	18.0	90		30 (77)	150 (126)
P4578-06MS	WB-305-BOTMS	Decachlorobiphenyl	1	20	15.9	80		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.1	91		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	15.5	78		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	18.4	92		30 (77)	150 (126)
P4578-06MSD	WB-305-BOTMSD	Decachlorobiphenyl	1	20	15.8	79		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.0	90		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	15.8	79		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	18.4	92		30 (77)	150 (126)
P4578-08	WB-305-BOT-1	Decachlorobiphenyl	1	20	16.5	83		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	17.7	89		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	16.7	83		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.3	86		30 (77)	150 (126)
I.BLK-PL092710.D	PIBLK-PL092710.D	Decachlorobiphenyl	1	20	23.8	119		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	23.1	115		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	24.7	124		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	22.5	113		30 (77)	150 (126)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

DataFile : PL092701.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Client Sample ID: P4578-06MS	WB-305-BOTMS											
	gamma-BHC (Lindane)	0.5	0	0.46	ug/L	92				30 (60)	150 (152)	
	Heptachlor	0.5	0	0.47	ug/L	94				30 (56)	150 (147)	
	Heptachlor epoxide	0.5	0	0.46	ug/L	93				30 (77)	150 (143)	
	Endrin	0.5	0	0.47	ug/L	94				30 (76)	150 (144)	
	Methoxychlor	0.5	0	0.46	ug/L	91				30 (70)	150 (142)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: 8081B DataFile : PL092702.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Client Sample ID: P4578-06MSD	WB-305-BOTMSD											
	gamma-BHC (Lindane)	0.5	0	0.46	ug/L	92		0		30 (60)	150 (152)	20 (20)
	Heptachlor	0.5	0	0.47	ug/L	94		0		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	0.5	0	0.46	ug/L	93		0		30 (77)	150 (143)	20 (20)
	Endrin	0.5	0	0.47	ug/L	93		1		30 (76)	150 (144)	20 (20)
	Methoxychlor	0.5	0	0.46	ug/L	91		0		30 (70)	150 (142)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: **8081B** **Datafile :** PL092698.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164445BS	gamma-BHC (Lindane)	0.05	0.048	ug/L	96				40 (82)	140 (129)		
	Heptachlor	0.05	0.050	ug/L	99				40 (79)	140 (127)		
	Heptachlor epoxide	0.05	0.049	ug/L	98				40 (81)	140 (124)		
	Endrin	0.05	0.045	ug/L	91				40 (81)	140 (128)		
	Methoxychlor	0.05	0.045	ug/L	90				40 (78)	140 (108)		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164445BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: P4578

SAS No.: P4578 SDG NO.: P4578

Lab Sample ID: PB164445BL

Lab File ID: PL092697.D

Matrix: (soil/water) water

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/26/2024

Date Analyzed (1): 10/29/2024

Date Analyzed (2): 10/29/2024

Time Analyzed (1): 10:43

Time Analyzed (2): 10:43

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164445BS	PB164445BS	PL092698.D	10/29/2024	10/29/2024
PB164393TB	PB164393TB	PL092699.D	10/29/2024	10/29/2024
WB-305-BOT	P4578-06	PL092700.D	10/29/2024	10/29/2024
WB-305-BOTMS	P4578-06MS	PL092701.D	10/29/2024	10/29/2024
WB-305-BOTMSD	P4578-06MSD	PL092702.D	10/29/2024	10/29/2024
WB-305-BOT-1	P4578-08	PL092703.D	10/29/2024	10/29/2024

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:		
Client Sample ID:	PB164445BL		SDG No.:	P4578	
Lab Sample ID:	PB164445BL		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	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
PL092697.D	1	10/26/24 12:50	10/29/24 10:43	PB164445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00050	0.0050	ug/L
76-44-8	Heptachlor	0.00050	U	0.00050	0.0050	ug/L
1024-57-3	Heptachlor epoxide	0.00090	U	0.00090	0.0050	ug/L
72-20-8	Endrin	0.00040	U	0.00040	0.0050	ug/L
72-43-5	Methoxychlor	0.0011	U	0.0011	0.0050	ug/L
8001-35-2	Toxaphene	0.015	U	0.015	0.10	ug/L
57-74-9	Chlordane	0.0082	U	0.0082	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.2		30 (43) - 150 (140)	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.3		30 (77) - 150 (126)	91%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/28/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/28/24
Client Sample ID:	PIBLK-PL092652.D	SDG No.:	P4578
Lab Sample ID:	I.BLK-PL092652.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	3510C		

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		30 (43) - 150 (140)	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		30 (77) - 150 (126)	108%	SPK: 20

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/29/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/29/24
Client Sample ID:	PIBLK-PL092693.D	SDG No.:	P4578
Lab Sample ID:	I.BLK-PL092693.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092693.D	1		10/29/24	PL102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.5		30 (43) - 150 (140)	118%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.4		30 (77) - 150 (126)	112%	SPK: 20

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/29/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/29/24
Client Sample ID:	PIBLK-PL092710.D	SDG No.:	P4578
Lab Sample ID:	I.BLK-PL092710.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092710.D	1		10/29/24	PL102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.7		30 (43) - 150 (140)	124%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.1		30 (77) - 150 (126)	115%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:		
Client Sample ID:	PB164445BS		SDG No.:	P4578	
Lab Sample ID:	PB164445BS		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	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
PL092698.D	1	10/26/24 12:50	10/29/24 10:57	PB164445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.048		0.00050	0.0050	ug/L
76-44-8	Heptachlor	0.050		0.00050	0.0050	ug/L
1024-57-3	Heptachlor epoxide	0.049		0.00090	0.0050	ug/L
72-20-8	Endrin	0.045		0.00040	0.0050	ug/L
72-43-5	Methoxychlor	0.045		0.0011	0.0050	ug/L
8001-35-2	Toxaphene	0.015	U	0.015	0.10	ug/L
57-74-9	Chlordane	0.0082	U	0.0082	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.5		30 (43) - 150 (140)	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		30 (77) - 150 (126)	91%	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:	10/25/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	10/25/24	
Client Sample ID:	WB-305-BOTMS		SDG No.:	P4578	
Lab Sample ID:	P4578-06MS		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	1000	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
PL092701.D	1	10/26/24 12:50	10/29/24 11:37	PB164445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.46		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.47		0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.46		0.0090	0.050	ug/L
72-20-8	Endrin	0.47		0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.46		0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.9		30 (43) - 150 (140)	80%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		30 (77) - 150 (126)	92%	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:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOTMSD	SDG No.:	P4578
Lab Sample ID:	P4578-06MSD	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 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
PL092702.D	1	10/26/24 12:50	10/29/24 11:50	PB164445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.46		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.47		0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.46		0.0090	0.050	ug/L
72-20-8	Endrin	0.47		0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.46		0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.8		30 (43) - 150 (140)	79%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		30 (77) - 150 (126)	92%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



CALIBRATION SUMMARY

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

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

[illegible]

A
B
C
D
E
F
G
H
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J
K
L

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024
Calibration Times: 14:43 15:36

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

LAB FILE ID:		CF 100 = <u>PL092655.D</u>		CF 075 = <u>PL092656.D</u>			
CF 050 = <u>PL092657.D</u>		CF 025 = <u>PL092658.D</u>		CF 005 = <u>PL092659.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	1738840000	1756630000	1819720000	1998760000	2308800000	1924550000	12
Endrin	2111540000	2103000000	2121260000	2324460000	2723040000	2276660000	12
gamma-BHC (Lindane)	3198960000	3133030000	3104430000	3278360000	3583040000	3259560000	6
Heptachlor	2817300000	2795570000	2829220000	3064000000	3509480000	3003110000	10
Heptachlor epoxide	2536240000	2521530000	2566410000	2821600000	3361270000	2761410000	13
Methoxychlor	1040530000	1050870000	1078280000	1189160000	1341160000	1140000000	11
Tetrachloro-m-xylene	2319350000	2304070000	2328420000	2512350000	2786990000	2450240000	8

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024
Calibration Times: 14:43 15:36

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

LAB FILE ID:		CF 100 = <u>PL092655.D</u>		CF 075 = <u>PL092656.D</u>			
CF 050 = <u>PL092657.D</u>		CF 025 = <u>PL092658.D</u>		CF 005 = <u>PL092659.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2606810000	2575500000	2605540000	2793460000	3064890000	2729240000	8
Endrin	2969490000	2878380000	2828080000	2876210000	2912860000	2893010000	2
gamma-BHC (Lindane)	4083950000	3934430000	3833920000	3828430000	3616530000	3859450000	4
Heptachlor	3876200000	3766580000	3709120000	3779090000	3738650000	3773930000	2
Heptachlor epoxide	3405420000	3318630000	3272090000	3352830000	3358060000	3341410000	1
Methoxychlor	1400820000	1385450000	1393920000	1470360000	1489590000	1428030000	3
Tetrachloro-m-xylene	2724750000	2661560000	2643180000	2728430000	2847900000	2721160000	3

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Instrument ID: ECD_L Date(s) Analyzed: 10/28/2024 10/28/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.70	4.60	4.80	106996000
		2	5.23	5.13	5.33	110397000
		3	5.94	5.84	6.04	372388000
		4	6.02	5.92	6.12	458405000
		5	6.87	6.77	6.97	92161100
Toxaphene	500	1	6.24	6.14	6.34	23962400
		2	6.44	6.34	6.54	13823600
		3	7.06	6.96	7.16	79159800
		4	7.15	7.05	7.25	59803700
		5	7.93	7.83	8.03	45329200

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Instrument ID: ECD_L Date(s) Analyzed: 10/28/2024 10/28/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.78	3.68	3.88	105092000
		2	4.35	4.25	4.45	120641000
		3	4.98	4.88	5.08	361048000
		4	5.05	4.95	5.15	346821000
		5	5.94	5.84	6.04	124060000
Toxaphene	500	1	5.01	4.91	5.11	19952700
		2	5.33	5.23	5.43	19749600
		3	6.61	6.51	6.71	70222500
		4	6.73	6.63	6.83	98337700
		5	7.05	6.95	7.15	65479700

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Continuing Calib Date: 10/29/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 10:15 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.58	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Continuing Calib Date: 10/29/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 10:15 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.01
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.61	6.62	6.52	6.72	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

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

Client Sample No.: CCAL01 Date Analyzed: 10/29/2024

Lab Sample No.: PSTDCCC050 Data File : PL092695.D Time Analyzed: 10:15

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.053	8.954	9.154	49.010	50.000	-2.0
Endrin	6.575	6.474	6.674	47.250	50.000	-5.5
gamma-BHC (Lindane)	4.328	4.228	4.428	49.670	50.000	-0.7
Heptachlor	4.916	4.817	5.017	48.700	50.000	-2.6
Heptachlor epoxide	5.684	5.584	5.784	50.730	50.000	1.5
Methoxychlor	7.498	7.399	7.599	48.570	50.000	-2.9
Tetrachloro-m-xylene	3.540	3.440	3.640	49.870	50.000	-0.3

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

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

Client Sample No.: CCAL01 Date Analyzed: 10/29/2024

Lab Sample No.: PSTDCCC050 Data File : PL092695.D Time Analyzed: 10:15

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.915	7.816	8.016	51.500	50.000	3.0
Endrin	5.641	5.541	5.741	51.690	50.000	3.4
gamma-BHC (Lindane)	3.611	3.511	3.711	51.790	50.000	3.6
Heptachlor	3.950	3.849	4.049	50.790	50.000	1.6
Heptachlor epoxide	4.732	4.632	4.832	51.090	50.000	2.2
Methoxychlor	6.614	6.515	6.715	49.430	50.000	-1.1
Tetrachloro-m-xylene	2.779	2.678	2.878	50.880	50.000	1.8

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Continuing Calib Date: 10/29/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 14:07 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	0.00
Endrin	6.58	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Continuing Calib Date: 10/29/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 14:07 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.61	6.62	6.52	6.72	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

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

Client Sample No.: CCAL02 Date Analyzed: 10/29/2024

Lab Sample No.: PSTDCCC050 Data File : PL092711.D Time Analyzed: 14:07

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.054	8.954	9.154	50.330	50.000	0.7
Endrin	6.575	6.474	6.674	46.800	50.000	-6.4
gamma-BHC (Lindane)	4.329	4.228	4.428	51.390	50.000	2.8
Heptachlor	4.917	4.817	5.017	49.780	50.000	-0.4
Heptachlor epoxide	5.685	5.584	5.784	50.060	50.000	0.1
Methoxychlor	7.500	7.399	7.599	46.810	50.000	-6.4
Tetrachloro-m-xylene	3.541	3.440	3.640	51.450	50.000	2.9

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

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

Client Sample No.: CCAL02 Date Analyzed: 10/29/2024

Lab Sample No.: PSTDCCC050 Data File : PL092711.D Time Analyzed: 14:07

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.916	7.816	8.016	53.470	50.000	6.9
Endrin	5.641	5.541	5.741	52.150	50.000	4.3
gamma-BHC (Lindane)	3.610	3.511	3.711	53.770	50.000	7.5
Heptachlor	3.949	3.849	4.049	52.090	50.000	4.2
Heptachlor epoxide	4.732	4.632	4.832	53.380	50.000	6.8
Methoxychlor	6.614	6.515	6.715	49.000	50.000	-2.0
Tetrachloro-m-xylene	2.778	2.678	2.878	52.950	50.000	5.9

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **PORT06**

Lab Code: **CHEM** Case No.: **P4578** SAS No.: **P4578** SDG NO.: **P4578**

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

Client Sample No. (PEM): **PEM - PL092653.D** Date Analyzed: **10/28/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **14:16**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.059	8.960	9.160	19.970	20.000	-0.2
Tetrachloro-m-xylene	3.546	3.500	3.600	19.290	20.000	-3.6
alpha-BHC	4.001	3.950	4.050	9.920	10.000	-0.8
beta-BHC	4.531	4.480	4.580	10.060	10.000	0.6
gamma-BHC (Lindane)	4.334	4.280	4.380	9.660	10.000	-3.4
Endrin	6.580	6.510	6.650	41.060	50.000	-17.9
4,4'-DDT	7.030	6.960	7.100	88.060	100.000	-11.9
Methoxychlor	7.505	7.430	7.580	204.090	250.000	-18.4

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

Client Sample No. (PEM): **PEM - PL092653.D** Date Analyzed: **10/28/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **14:16**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.918	7.820	8.020	19.080	20.000	-4.6
Tetrachloro-m-xylene	2.778	2.730	2.830	18.500	20.000	-7.5
alpha-BHC	3.281	3.230	3.330	8.630	10.000	-13.7
beta-BHC	3.911	3.860	3.960	9.760	10.000	-2.4
gamma-BHC (Lindane)	3.611	3.560	3.660	8.390	10.000	-16.1
Endrin	5.643	5.570	5.710	44.130	50.000	-11.7
4,4'-DDT	6.042	5.970	6.110	98.070	100.000	-1.9
Methoxychlor	6.616	6.550	6.690	225.800	250.000	-9.7

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

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

Client Sample No. (PEM): PEM - PL092694.D Date Analyzed: 10/29/2024

Lab Sample No.(PEM): PEM Time Analyzed: 10:02

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.054	8.950	9.150	20.630	20.000	3.2
Tetrachloro-m-xylene	3.541	3.490	3.590	20.180	20.000	0.9
alpha-BHC	3.996	3.950	4.050	10.410	10.000	4.1
beta-BHC	4.526	4.480	4.580	10.930	10.000	9.3
gamma-BHC (Lindane)	4.329	4.280	4.380	10.230	10.000	2.3
Endrin	6.575	6.500	6.650	42.430	50.000	-15.1
4,4'-DDT	7.024	6.950	7.090	89.050	100.000	-11.0
Methoxychlor	7.500	7.430	7.570	209.100	250.000	-16.4

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

Client Sample No. (PEM): PEM - PL092694.D Date Analyzed: 10/29/2024

Lab Sample No.(PEM): PEM Time Analyzed: 10:02

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.916	7.820	8.020	20.450	20.000	2.3
Tetrachloro-m-xylene	2.779	2.730	2.830	19.400	20.000	-3.0
alpha-BHC	3.281	3.230	3.330	9.150	10.000	-8.5
beta-BHC	3.911	3.860	3.960	10.440	10.000	4.4
gamma-BHC (Lindane)	3.611	3.560	3.660	8.940	10.000	-10.6
Endrin	5.642	5.570	5.710	47.400	50.000	-5.2
4,4'-DDT	6.040	5.970	6.110	102.500	100.000	2.5
Methoxychlor	6.615	6.540	6.690	231.820	250.000	-7.3

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: P4578
Project: Amtrak Sawtooth Bridges 2024	Instrument ID: ECD_L
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/28/2024 10/28/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/28/2024	13:55	PL092652.D	9.05	3.54
PEM	PEM	10/28/2024	14:16	PL092653.D	9.06	3.55
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	9.05	3.54
PSTDICCC100	PSTDICCC100	10/28/2024	14:43	PL092655.D	9.05	3.54
PSTDICCC075	PSTDICCC075	10/28/2024	14:56	PL092656.D	9.05	3.54
PSTDICCC050	PSTDICCC050	10/28/2024	15:09	PL092657.D	9.05	3.54
PSTDICCC025	PSTDICCC025	10/28/2024	15:23	PL092658.D	9.05	3.54
PSTDICCC005	PSTDICCC005	10/28/2024	15:36	PL092659.D	9.05	3.54
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	9.06	3.54
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	9.05	3.54
IBLK	IBLK	10/29/2024	09:48	PL092693.D	9.06	3.54
PEM	PEM	10/29/2024	10:02	PL092694.D	9.05	3.54
PSTDCCC050	PSTDCCC050	10/29/2024	10:15	PL092695.D	9.05	3.54
PB164445BL	PB164445BL	10/29/2024	10:43	PL092697.D	9.05	3.54
PB164445BS	PB164445BS	10/29/2024	10:57	PL092698.D	9.05	3.54
PB164393TB	PB164393TB	10/29/2024	11:10	PL092699.D	9.05	3.54
WB-305-BOT	P4578-06	10/29/2024	11:23	PL092700.D	9.05	3.54
WB-305-BOTMS	P4578-06MS	10/29/2024	11:37	PL092701.D	9.05	3.54
WB-305-BOTMSD	P4578-06MSD	10/29/2024	11:50	PL092702.D	9.05	3.54
WB-305-BOT-1	P4578-08	10/29/2024	12:04	PL092703.D	9.05	3.54
IBLK	IBLK	10/29/2024	13:53	PL092710.D	9.05	3.54
PSTDCCC050	PSTDCCC050	10/29/2024	14:07	PL092711.D	9.05	3.54

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: P4578
Project: Amtrak Sawtooth Bridges 2024	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/28/2024 10/28/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/28/2024	13:55	PL092652.D	7.92	2.78
PEM	PEM	10/28/2024	14:16	PL092653.D	7.92	2.78
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	7.92	2.78
PSTDICCC100	PSTDICCC100	10/28/2024	14:43	PL092655.D	7.92	2.78
PSTDICCC075	PSTDICCC075	10/28/2024	14:56	PL092656.D	7.92	2.78
PSTDICCC050	PSTDICCC050	10/28/2024	15:09	PL092657.D	7.92	2.78
PSTDICCC025	PSTDICCC025	10/28/2024	15:23	PL092658.D	7.92	2.78
PSTDICCC005	PSTDICCC005	10/28/2024	15:36	PL092659.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	7.92	2.78
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	7.92	2.78
IBLK	IBLK	10/29/2024	09:48	PL092693.D	7.92	2.78
PEM	PEM	10/29/2024	10:02	PL092694.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/29/2024	10:15	PL092695.D	7.92	2.78
PB164445BL	PB164445BL	10/29/2024	10:43	PL092697.D	7.92	2.78
PB164445BS	PB164445BS	10/29/2024	10:57	PL092698.D	7.92	2.78
PB164393TB	PB164393TB	10/29/2024	11:10	PL092699.D	7.92	2.78
WB-305-BOT	P4578-06	10/29/2024	11:23	PL092700.D	7.92	2.78
WB-305-BOTMS	P4578-06MS	10/29/2024	11:37	PL092701.D	7.91	2.78
WB-305-BOTMSD	P4578-06MSD	10/29/2024	11:50	PL092702.D	7.92	2.78
WB-305-BOT-1	P4578-08	10/29/2024	12:04	PL092703.D	7.92	2.78
IBLK	IBLK	10/29/2024	13:53	PL092710.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/29/2024	14:07	PL092711.D	7.92	2.78

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164445BS

Contract: PORT06

Lab Code: CHEM

Case No.: P4578

SAS No.: P4578

SDG NO.: P4578

Lab Sample ID: PB164445BS

Date(s) Analyzed: 10/29/2024

10/29/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.046	4.2
	2	3.61	3.56	3.66	0.048	
Endrin	1	6.57	6.52	6.62	0.043	6.6
	2	5.64	5.59	5.69	0.045	
Methoxychlor	1	7.50	7.45	7.55	0.045	0.2
	2	6.61	6.56	6.66	0.045	
Heptachlor	1	4.92	4.87	4.97	0.048	4.1
	2	3.95	3.90	4.00	0.050	
Heptachlor epoxide	1	5.68	5.63	5.73	0.046	6.1
	2	4.73	4.68	4.78	0.049	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WB-305-BOTMS

Contract: PORT06

Lab Code: CHEM

Case No.: P4578

SAS No.: P4578

SDG NO.: P4578

Lab Sample ID: P4578-06MS

Date(s) Analyzed: 10/29/2024

10/29/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.50	7.45	7.55	0.44	3.8
	2	6.62	6.57	6.67	0.46	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.44	5.8
	2	3.61	3.56	3.66	0.46	
Heptachlor	1	4.92	4.87	4.97	0.45	4
	2	3.95	3.90	4.00	0.47	
Heptachlor epoxide	1	5.68	5.63	5.73	0.44	5.4
	2	4.73	4.68	4.78	0.46	
Endrin	1	6.57	6.52	6.62	0.43	8.6
	2	5.64	5.59	5.69	0.47	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WB-305-BOTMSD

Contract: PORT06

Lab Code: CHEM

Case No.: P4578

SAS No.: P4578

SDG NO.: P4578

Lab Sample ID: P4578-06MSD

Date(s) Analyzed: 10/29/2024

10/29/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.50	7.45	7.55	0.44	4.2
	2	6.61	6.56	6.66	0.46	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.43	5.8
	2	3.61	3.56	3.66	0.46	
Heptachlor	1	4.92	4.87	4.97	0.45	4
	2	3.95	3.90	4.00	0.47	
Heptachlor epoxide	1	5.68	5.63	5.73	0.44	6.1
	2	4.73	4.68	4.78	0.46	
Endrin	1	6.57	6.52	6.62	0.43	7.6
	2	5.64	5.59	5.69	0.47	



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102924\
 Data File : PL092700.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Oct 2024 11:23
 Operator : AR\AJ
 Sample : P4578-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

WB-305-BOT

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 10/30/2024

Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 30 05:12:01 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.541	2.779	44417090	48927074	18.128	17.980
28) SA Decachlor...	9.052	7.915	26283055	35975975	13.657	13.182

Target Compounds						
2) A alpha-BHC	3.995	3.282	1097432	1528799	0.324m	0.383

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102924\
Data File : PL092700.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 11:23
Operator : AR\AJ
Sample : P4578-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

WB-305-BOT

Manual Integrations

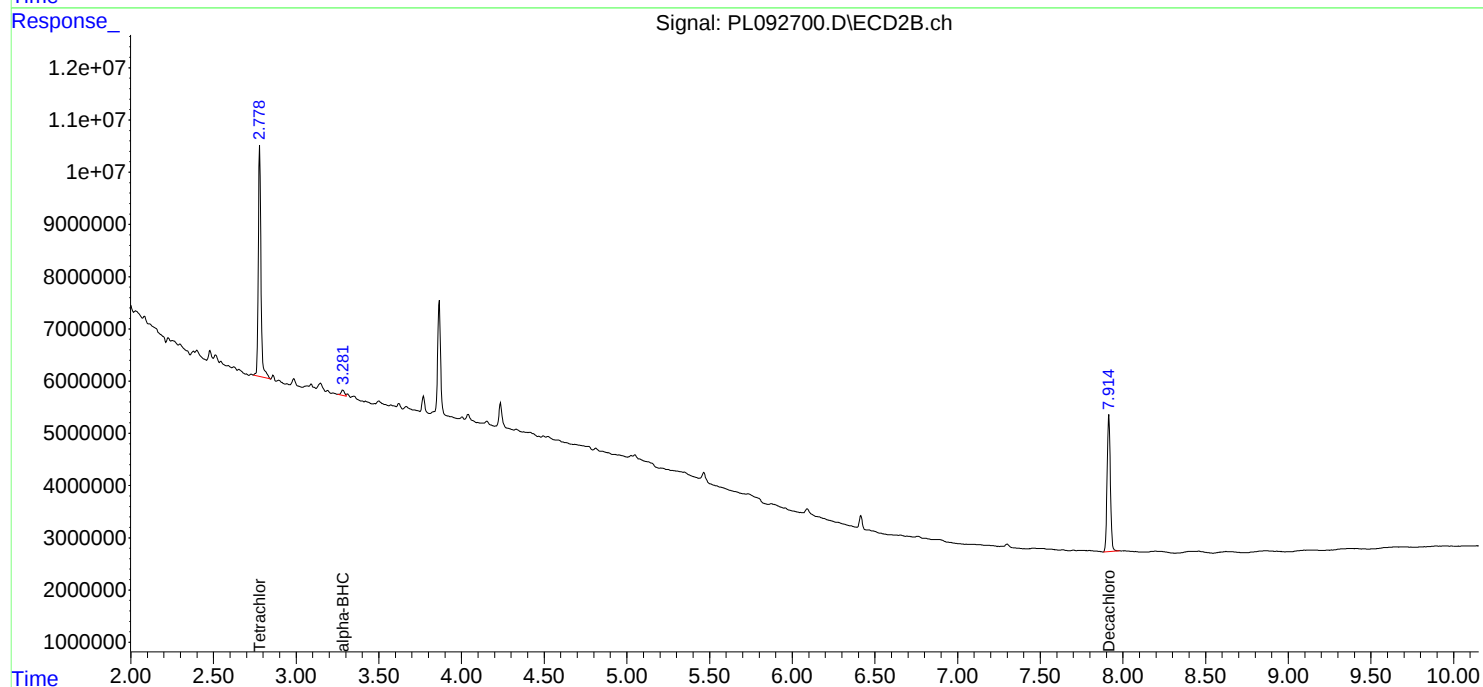
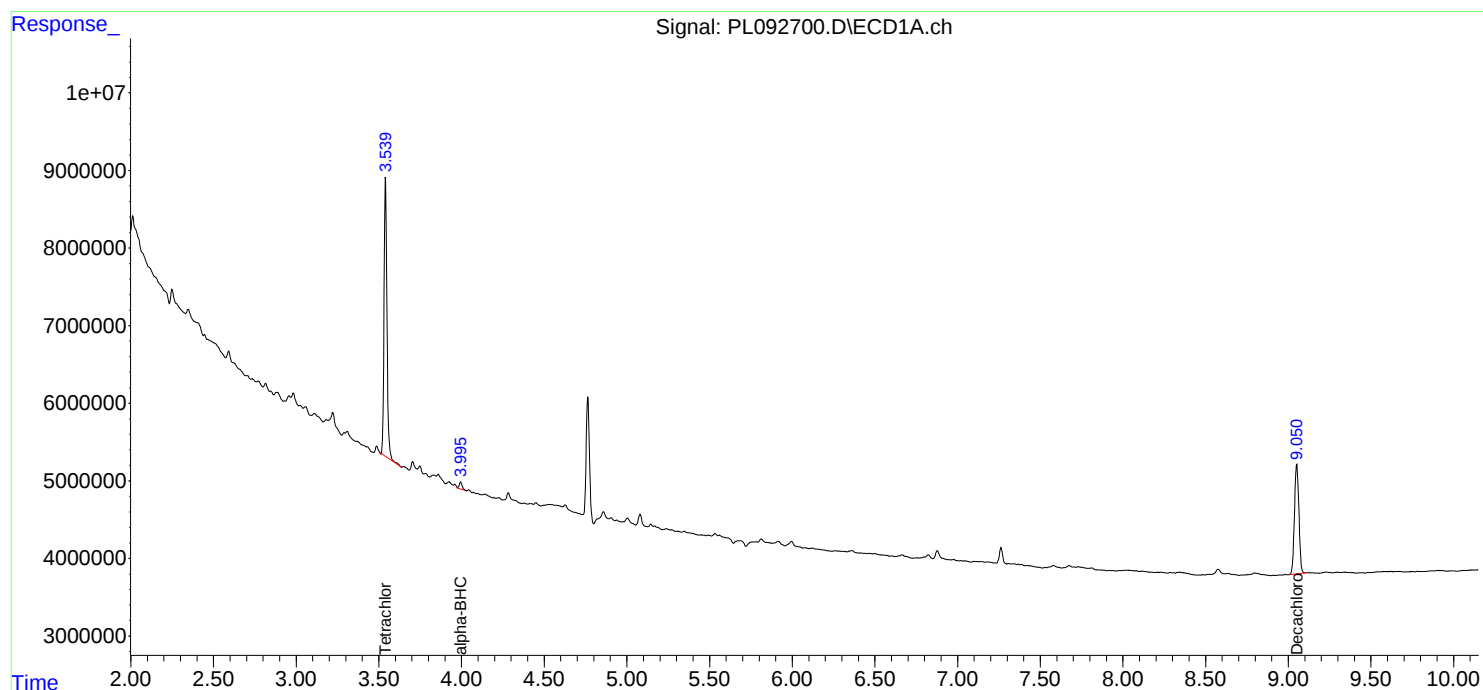
APPROVED

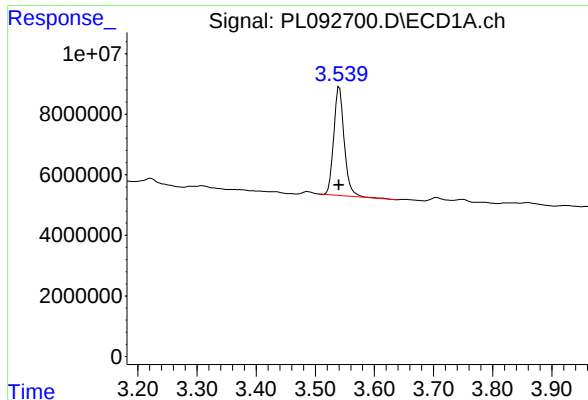
Reviewed By :Abdul Mirza 10/30/2024

Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 30 05:12:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





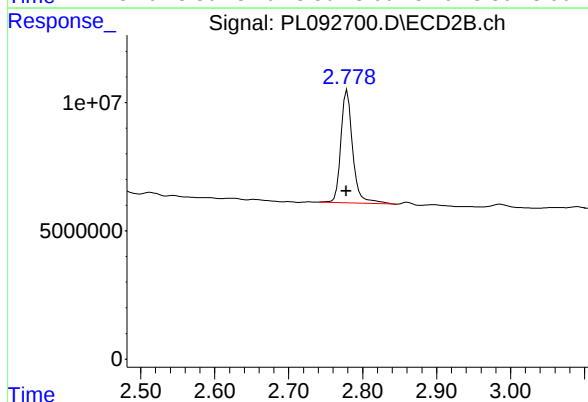
#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: 0.000 min
Response: 44417090
Conc: 18.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
WB-305-BOT

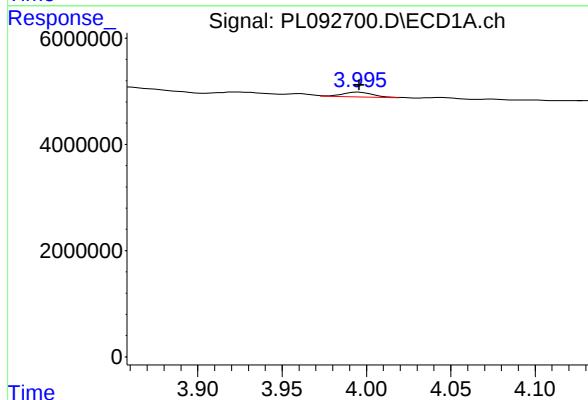
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/30/2024
Supervised By :Ankita Jodhani 11/04/2024



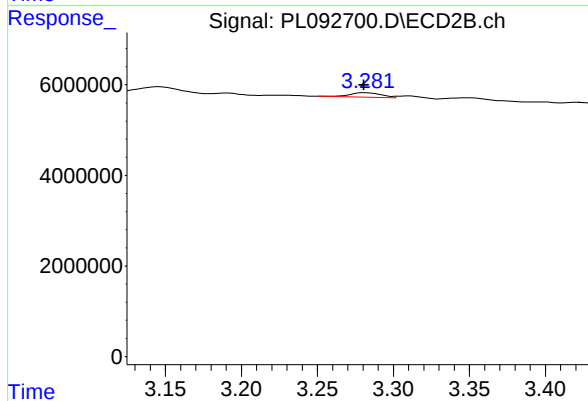
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.001 min
Response: 48927074
Conc: 17.98 ng/ml



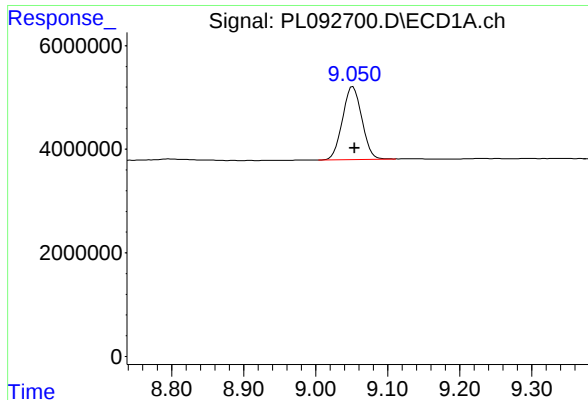
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: -0.001 min
Response: 1097432
Conc: 0.32 ng/ml m



#2 alpha-BHC

R.T.: 3.282 min
Delta R.T.: 0.001 min
Response: 1528799
Conc: 0.38 ng/ml



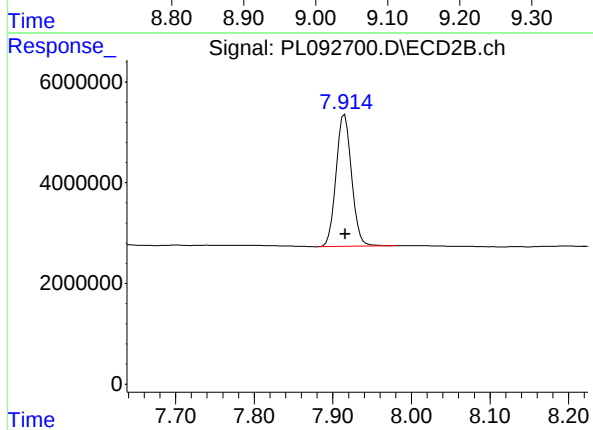
#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.002 min
Response: 26283055
Conc: 13.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
WB-305-BOT

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/30/2024
Supervised By :Ankita Jodhani 11/04/2024



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: 0.000 min
Response: 35975975
Conc: 13.18 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102924\
 Data File : PL092703.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Oct 2024 12:04
 Operator : AR\AJ
 Sample : P4578-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WB-305-BOT-1

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/30/2024
 Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 30 01:13:28 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.779	43357398	46969618	17.695m	17.261
28) SA Decachlor...	9.051	7.915	31815674	45553727	16.531	16.691

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102924\
Data File : PL092703.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 12:04
Operator : AR\AJ
Sample : P4578-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

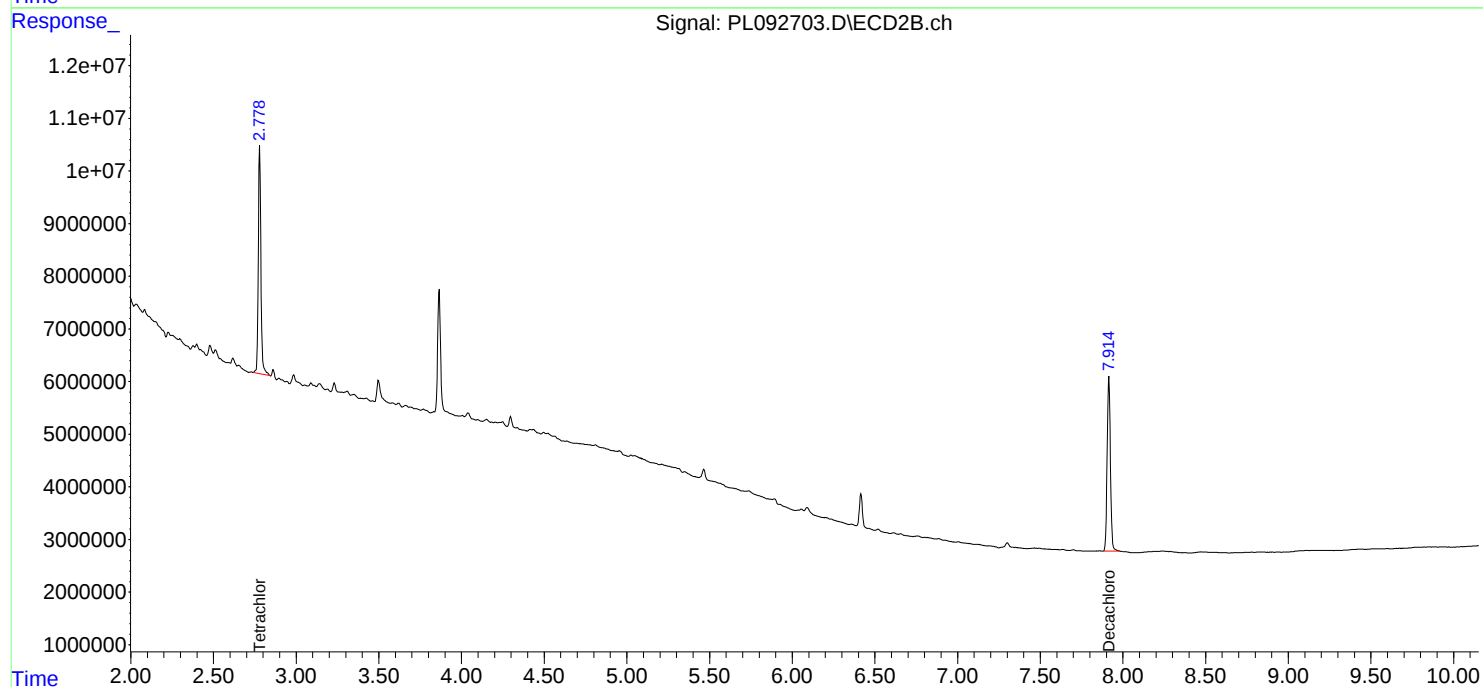
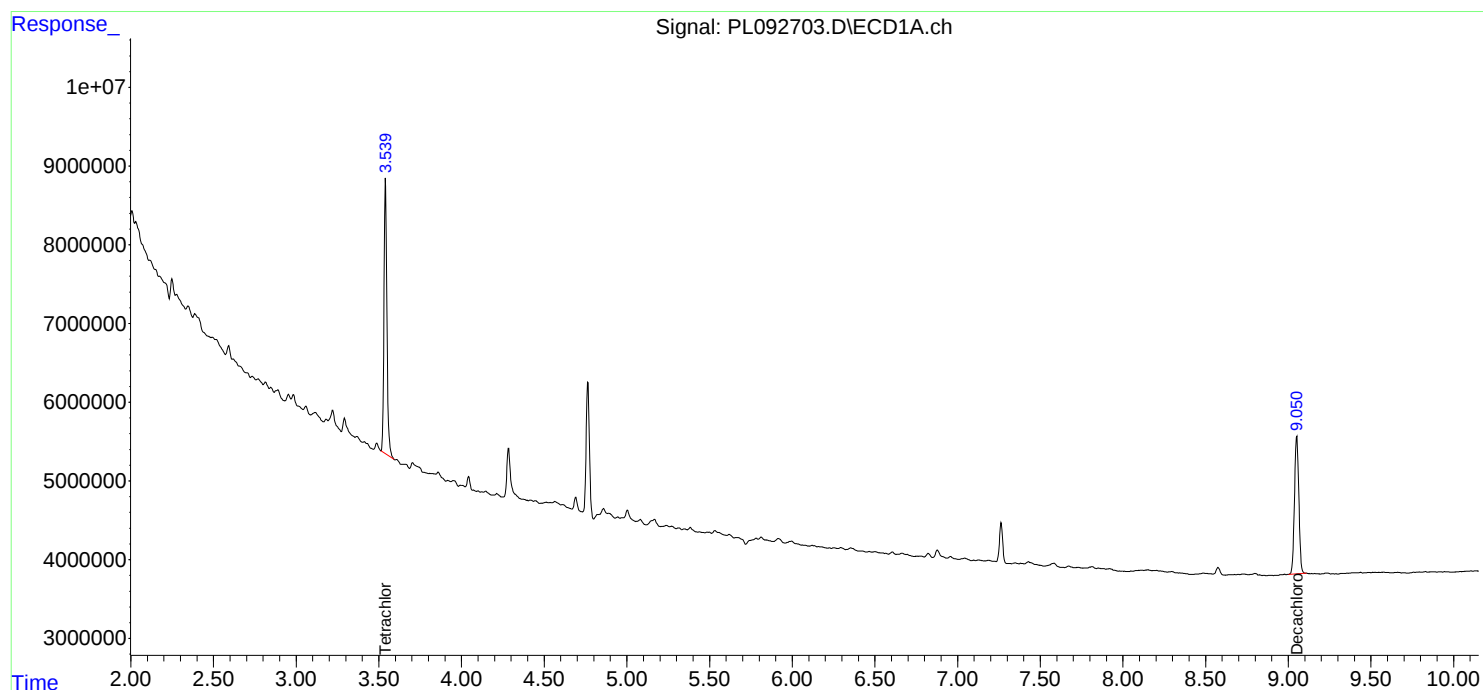
Instrument :
ECD_L
ClientSampleId :
WB-305-BOT-1

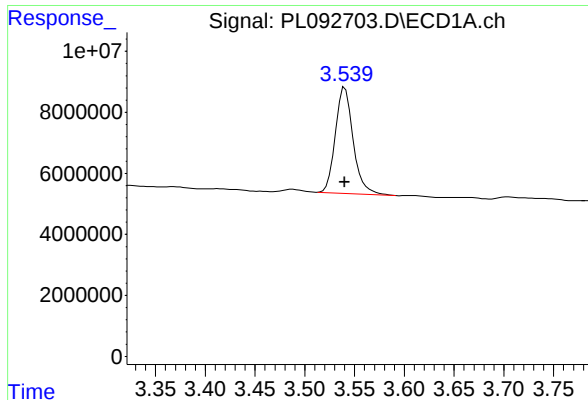
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/30/2024
Supervised By : Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 30 01:13:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





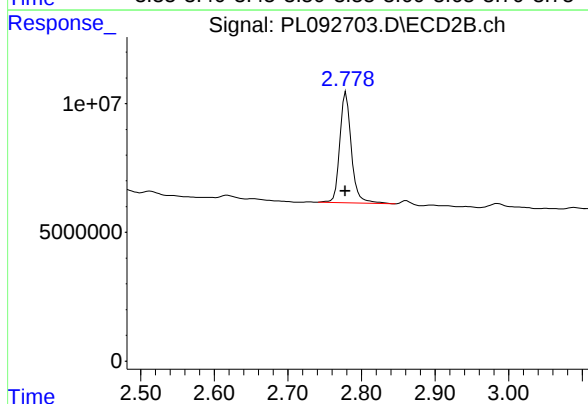
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 43357398
Conc: 17.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
WB-305-BOT-1

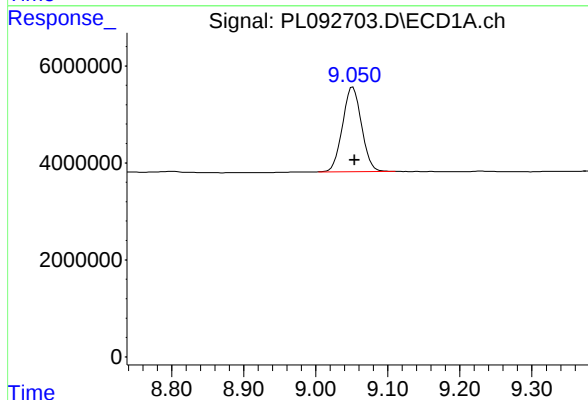
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/30/2024
Supervised By :Ankita Jodhani 11/04/2024



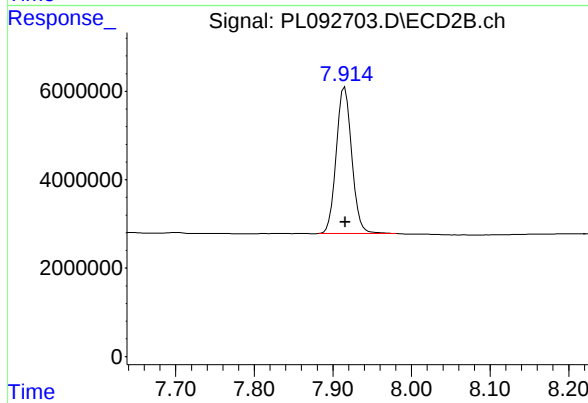
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.001 min
Response: 46969618
Conc: 17.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.003 min
Response: 31815674
Conc: 16.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: 0.000 min
Response: 45553727
Conc: 16.69 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102924\
 Data File : PL092699.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Oct 2024 11:10
 Operator : AR\AJ
 Sample : PB164393TB
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB164393TB

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: Oct 30 01:10:53 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.540	2.779	44873551	47553325	18.314	17.475
28) SA Decachlor...	9.052	7.915	37864442	51503356	19.674	18.871

Target Compounds

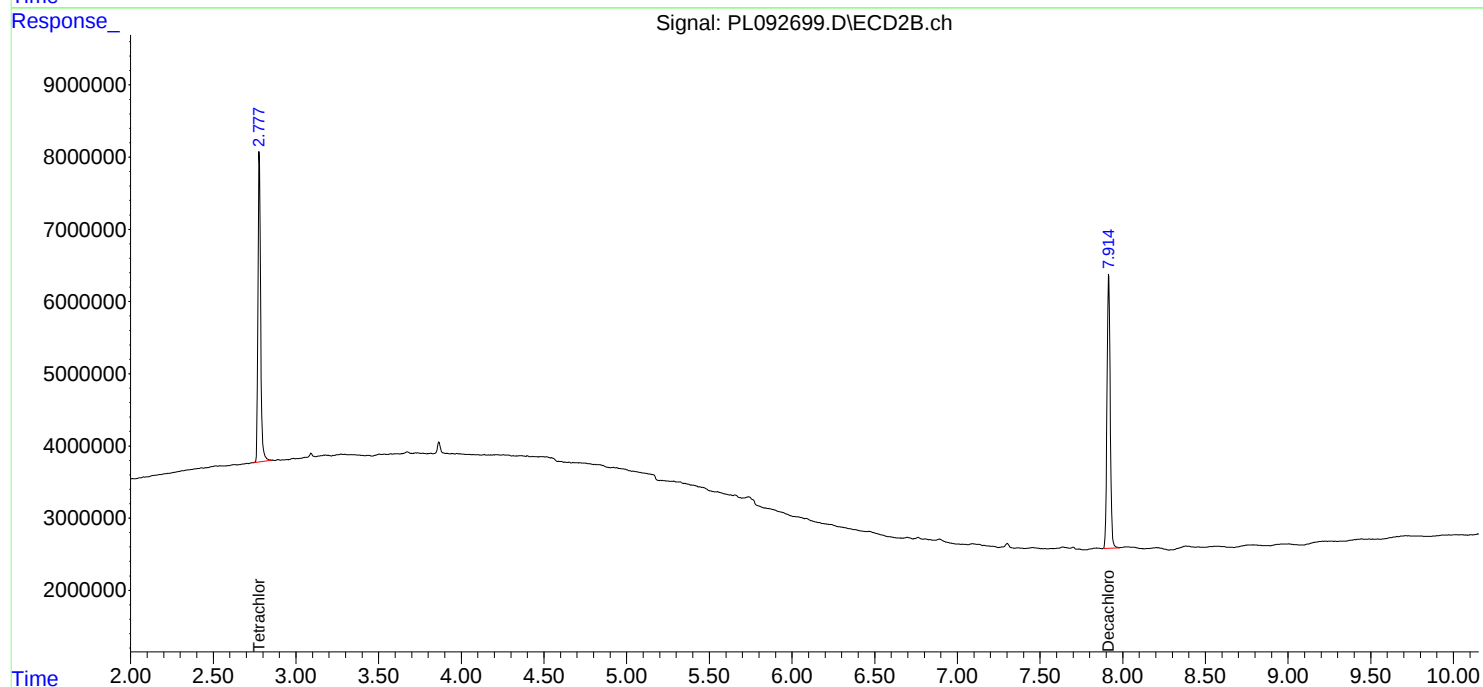
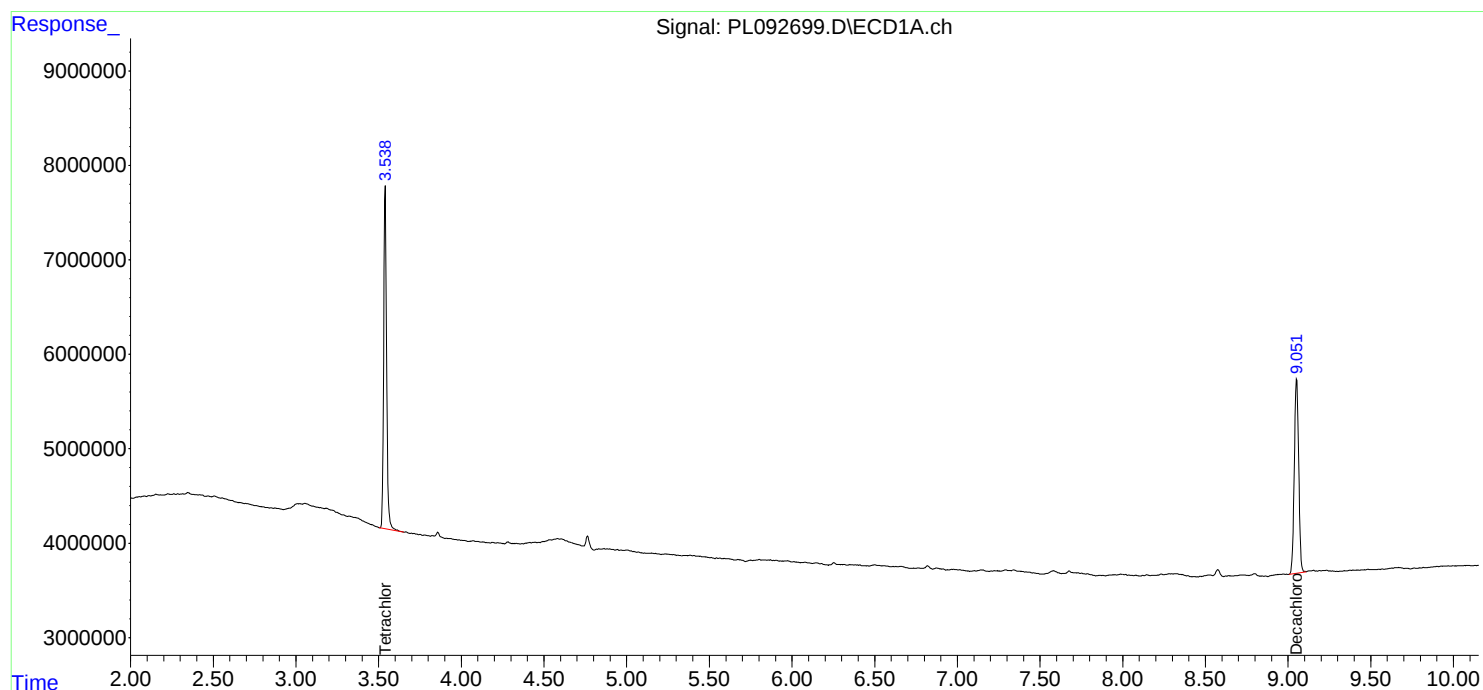
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

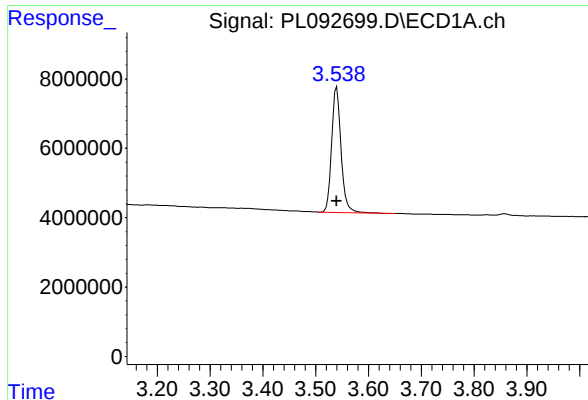
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102924\
Data File : PL092699.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 11:10
Operator : AR\AJ
Sample : PB164393TB
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164393TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 30 01:10:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

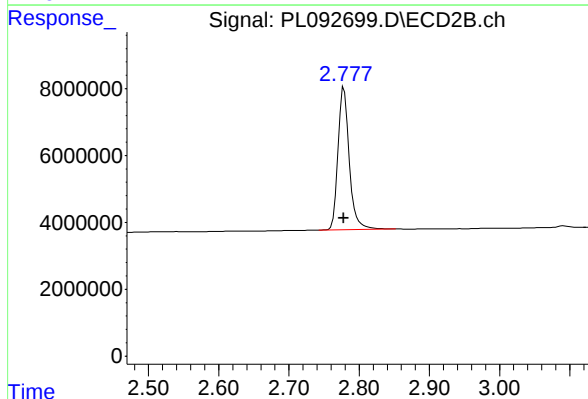




#1 Tetrachloro-m-xylene

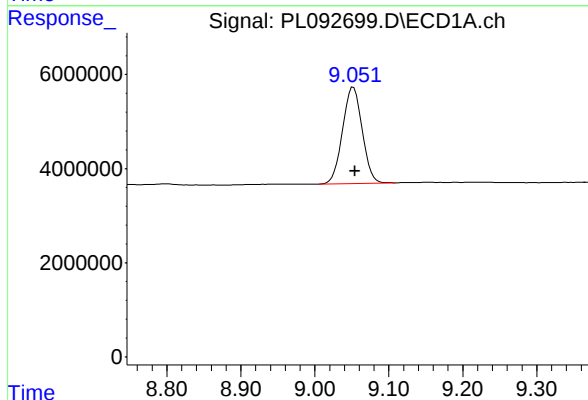
R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 44873551
Conc: 18.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164393TB



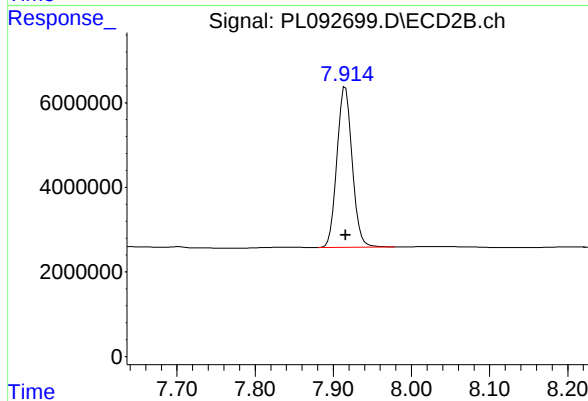
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 47553325
Conc: 17.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.002 min
Response: 37864442
Conc: 19.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: 0.000 min
Response: 51503356
Conc: 18.87 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102924\
 Data File : PL092697.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Oct 2024 10:43
 Operator : AR\AJ
 Sample : PB164445BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB164445BL

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Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 30 01:09:27 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.540	2.778	44714826	48353246	18.249	17.769
28) SA Decachlor...	9.053	7.915	36975516	50429295	19.213	18.477

Target Compounds

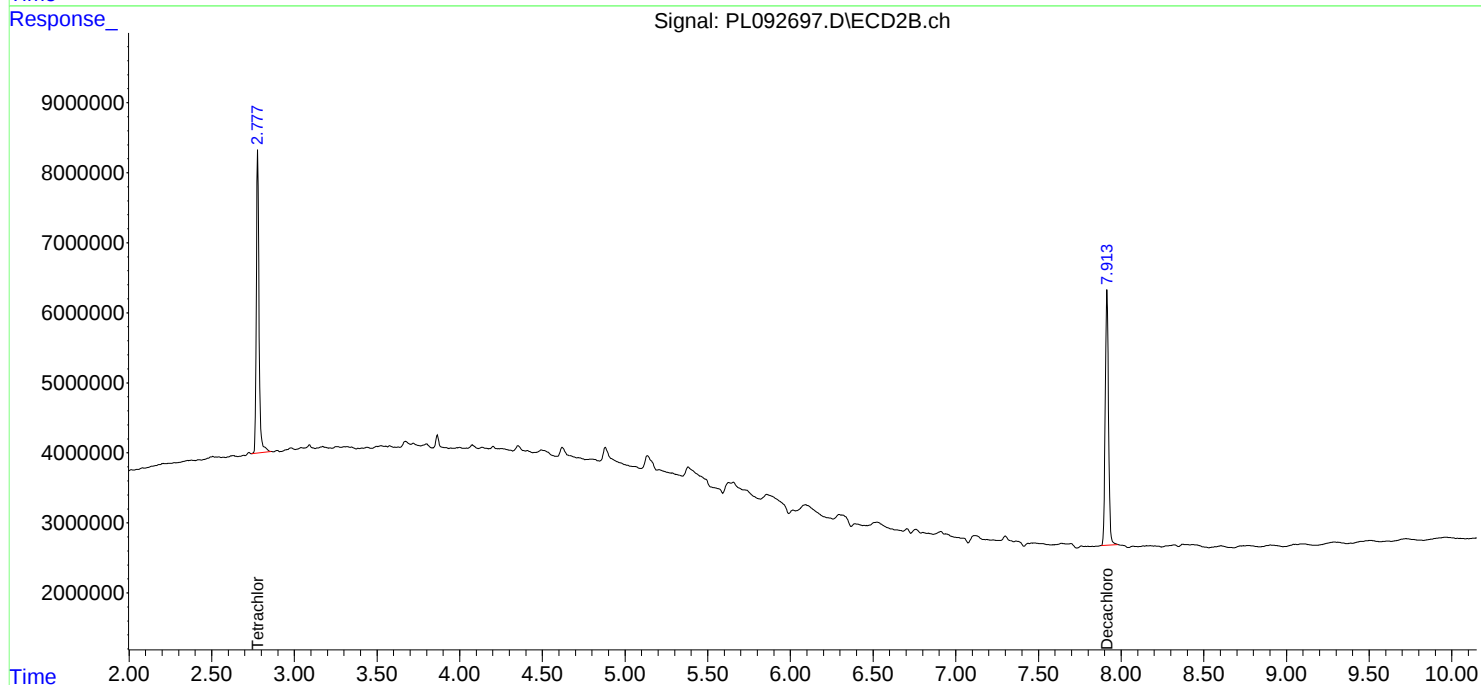
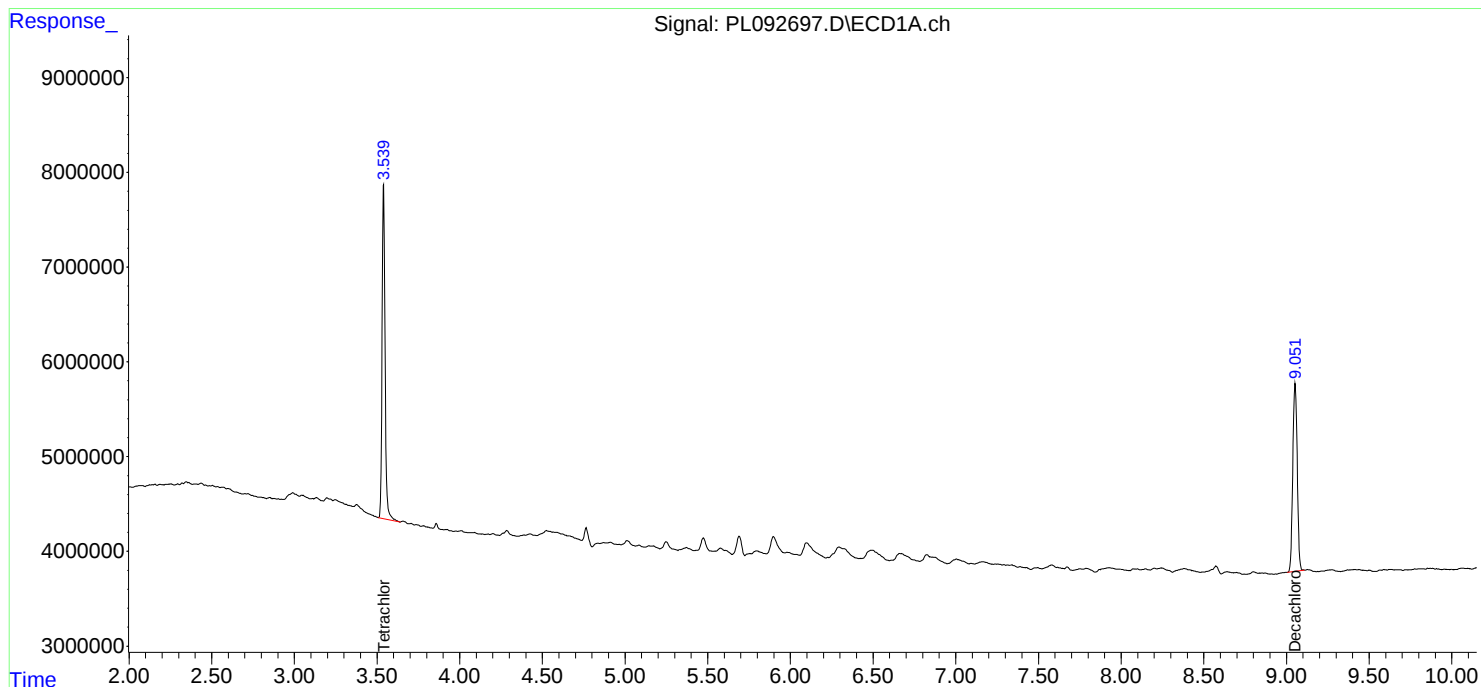
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

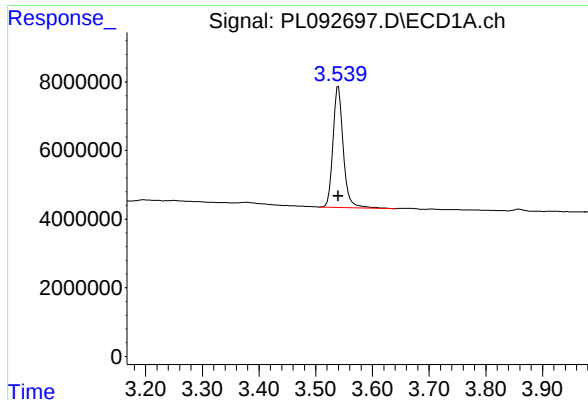
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102924\
Data File : PL092697.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 10:43
Operator : AR\AJ
Sample : PB164445BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164445BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 30 01:09:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

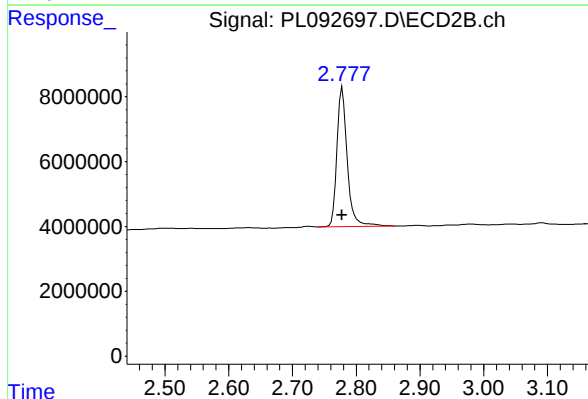




#1 Tetrachloro-m-xylene

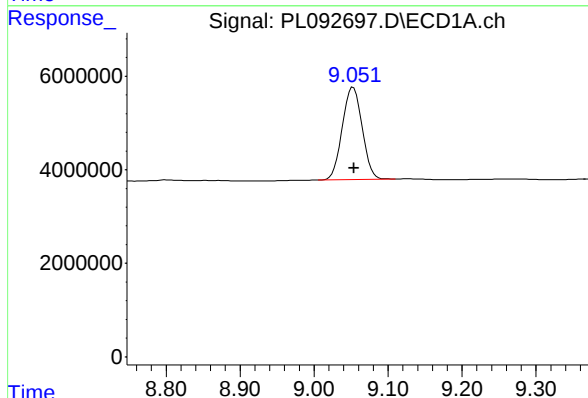
R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 44714826
Conc: 18.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164445BL



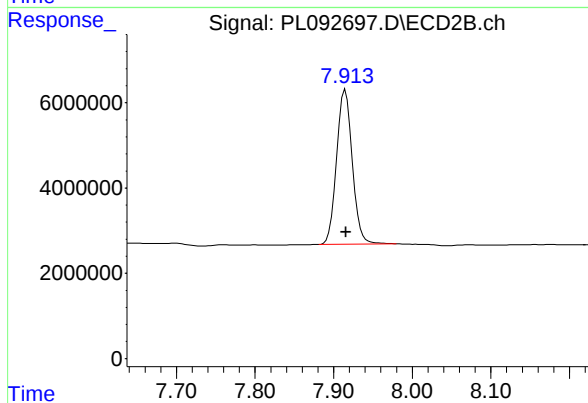
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 48353246
Conc: 17.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.001 min
Response: 36975516
Conc: 19.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: 0.000 min
Response: 50429295
Conc: 18.48 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102924\
 Data File : PL092698.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Oct 2024 10:57
 Operator : AR\AJ
 Sample : PB164445BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB164445BS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 10/30/2024

Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 30 01:10:01 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.540	2.779	44398574	46338942	18.120	17.029
28)	SA Decachlor...	9.052	7.915	37613979	50150936	19.544	18.375
Target Compounds							
2)	A alpha-BHC	3.996	3.281	158.7E6	194.5E6	46.784	48.740
3)	MA gamma-BHC...	4.328	3.611	150.2E6	185.7E6	46.083	48.121
4)	MA Heptachlor	4.917	3.950	142.6E6	186.7E6	47.468	49.469
5)	MB Aldrin	5.258	4.230	136.4E6	176.7E6	45.446	48.269
6)	B beta-BHC	4.526	3.911	69281571	81270375	47.930	49.367
7)	B delta-BHC	4.772	4.140	130.4E6	163.0E6	41.673	42.424
8)	B Heptachlo...	5.684	4.732	127.5E6	164.2E6	46.174	49.139
9)	A Endosulfan I	6.069	5.101	118.0E6	154.4E6	47.176	50.581
10)	B gamma-Chl...	5.940	4.982	127.9E6	170.1E6	48.086	50.595
11)	B alpha-Chl...	6.019	5.045	126.6E6	167.4E6	47.824	50.332
12)	B 4,4'-DDE	6.192	5.234	113.6E6	163.0E6	47.934	50.592
13)	MA Dieldrin	6.344	5.366	124.6E6	166.8E6	47.265	49.938
14)	MA Endrin	6.572	5.641	96671615	131.3E6	42.462m	45.370
15)	B Endosulfa...	6.793	5.935	111.8E6	143.4E6	46.920	50.600
16)	A 4,4'-DDD	6.709	5.789	95685802	129.8E6	49.849	52.139
17)	MA 4,4'-DDT	7.023	6.039	97808774	124.6E6	47.256	46.449
18)	B Endrin al...	6.924	6.115	90272597	113.7E6	48.069	49.263
19)	B Endosulfa...	7.157	6.337	102.2E6	131.8E6	47.107	48.858
20)	A Methoxychlor	7.498	6.614	51144756	64247709	44.864	44.990
21)	B Endrin ke...	7.642	6.843	119.6E6	156.3E6	49.371	50.924
22)	Mirex	8.116	7.023	82686920	107.6E6	41.725	41.256

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102924\
Data File : PL092698.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 10:57
Operator : AR\AJ
Sample : PB164445BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB164445BS

Manual Integrations

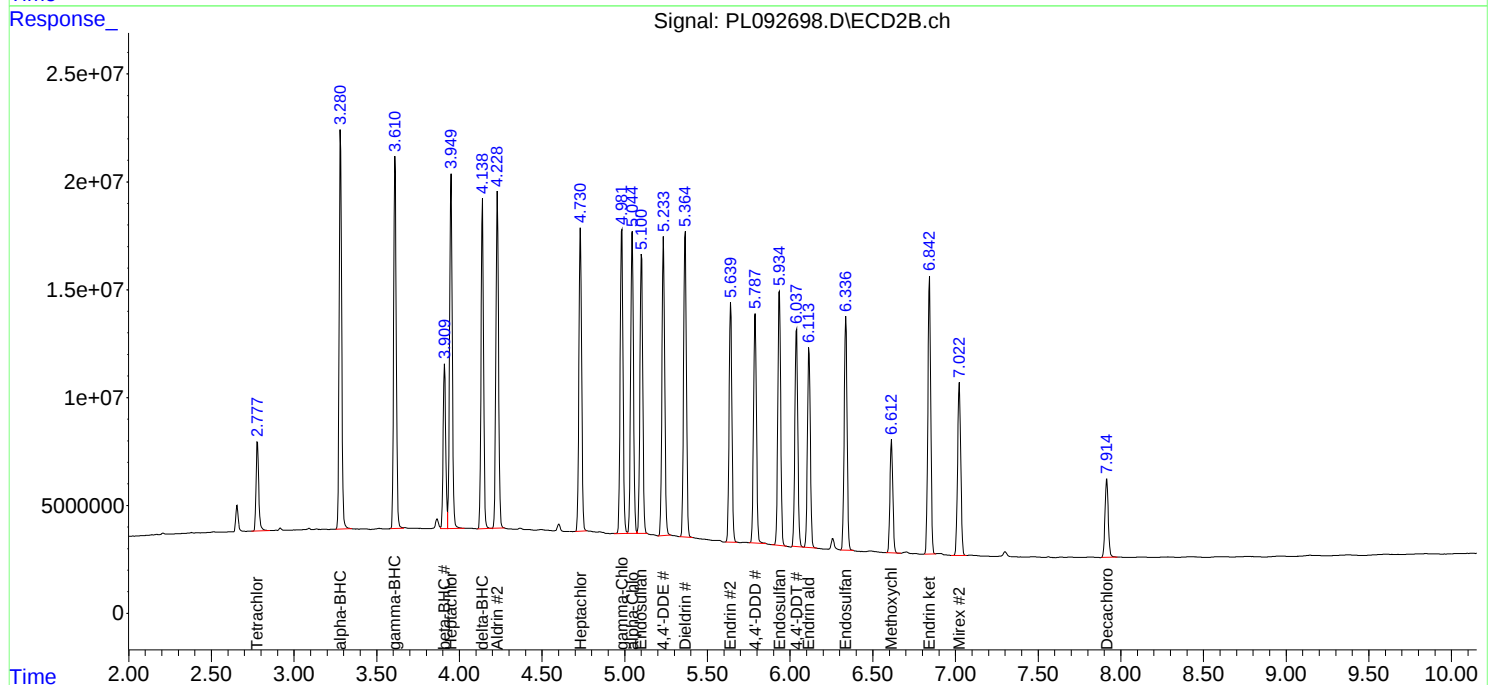
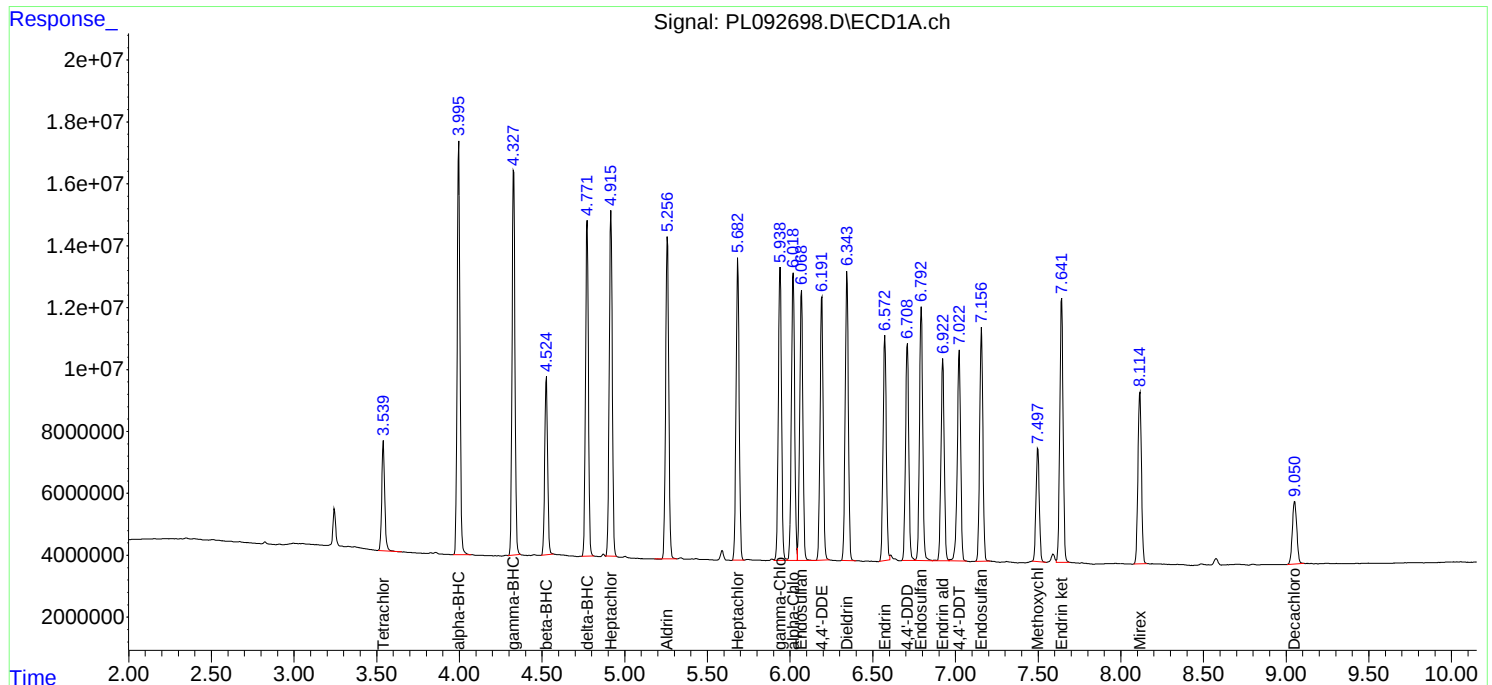
APPROVED

Reviewed By :Abdul Mirza 10/30/2024

Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 30 01:10:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102924\
 Data File : PL092701.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Oct 2024 11:37
 Operator : AR\AJ
 Sample : P4578-06MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WB-305-BOTMS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/30/2024
 Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 30 01:11:48 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.539	2.779	44424037	49979551	18.131m	18.367
28)	SA Decachlor...	9.051	7.914	30628503	42301014	15.915	15.499
Target Compounds							
2)	A alpha-BHC	3.996	3.281	153.9E6	186.8E6	45.382	46.808
3)	MA gamma-BHC...	4.327	3.611	142.0E6	178.1E6	43.574m	46.146
4)	MA Heptachlor	4.917	3.950	136.4E6	178.3E6	45.412	47.240
5)	MB Aldrin	5.257	4.230	127.5E6	170.2E6	42.472m	46.493
6)	B beta-BHC	4.526	3.910	65695763	77348574	45.450	46.985
7)	B delta-BHC	4.772	4.138	149.3E6	176.3E6	47.689	45.875m
8)	B Heptachlo...	5.684	4.732	121.3E6	155.0E6	43.929	46.395
9)	A Endosulfan I	6.070	5.101	111.9E6	145.0E6	44.740	47.499
10)	B gamma-Chl...	5.939	4.982	121.4E6	160.6E6	45.615m	47.784
11)	B alpha-Chl...	6.019	5.046	121.1E6	159.5E6	45.742	47.960
12)	B 4,4'-DDE	6.193	5.234	107.4E6	153.9E6	45.323	47.778
13)	MA Dieldrin	6.344	5.366	118.7E6	158.7E6	45.034	47.501
14)	MA Endrin	6.573	5.641	98574086	136.5E6	43.298m	47.200
15)	B Endosulfa...	6.794	5.935	105.7E6	136.5E6	44.354	48.170
16)	A 4,4'-DDD	6.709	5.789	89225698	121.2E6	46.483	48.663
17)	MA 4,4'-DDT	7.023	6.040	96273805	124.3E6	46.515	46.353
18)	B Endrin al...	6.923	6.115	79903787	102.0E6	42.548	44.206
19)	B Endosulfa...	7.158	6.338	97317956	128.2E6	44.840	47.535
20)	A Methoxychlor	7.497	6.615	50054958	65162857	43.908m	45.631
21)	B Endrin ke...	7.642	6.843	109.9E6	145.6E6	45.376	47.439
22)	Mirex	8.116	7.022	85813250	116.3E6	43.303	44.575m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102924\
Data File : PL092701.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 11:37
Operator : AR\AJ
Sample : P4578-06MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

WB-305-BOTMS

Manual Integrations

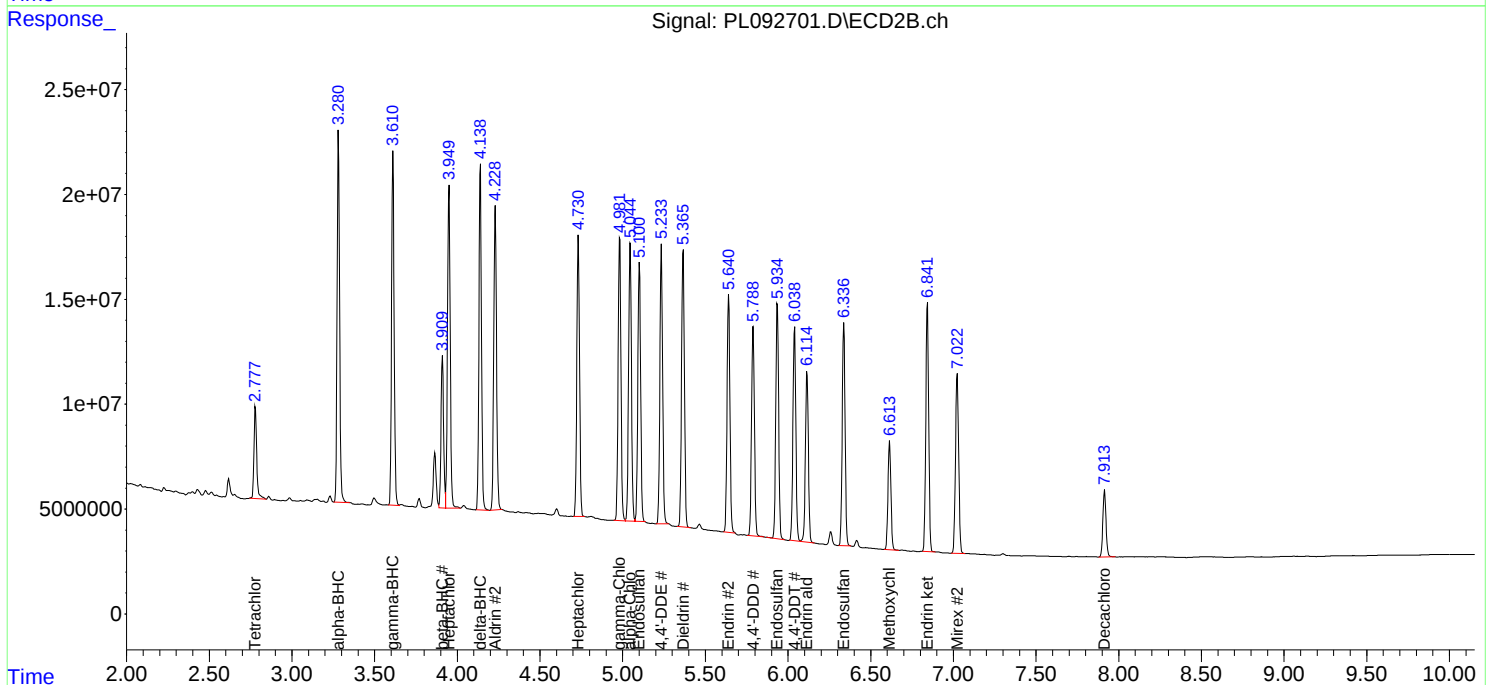
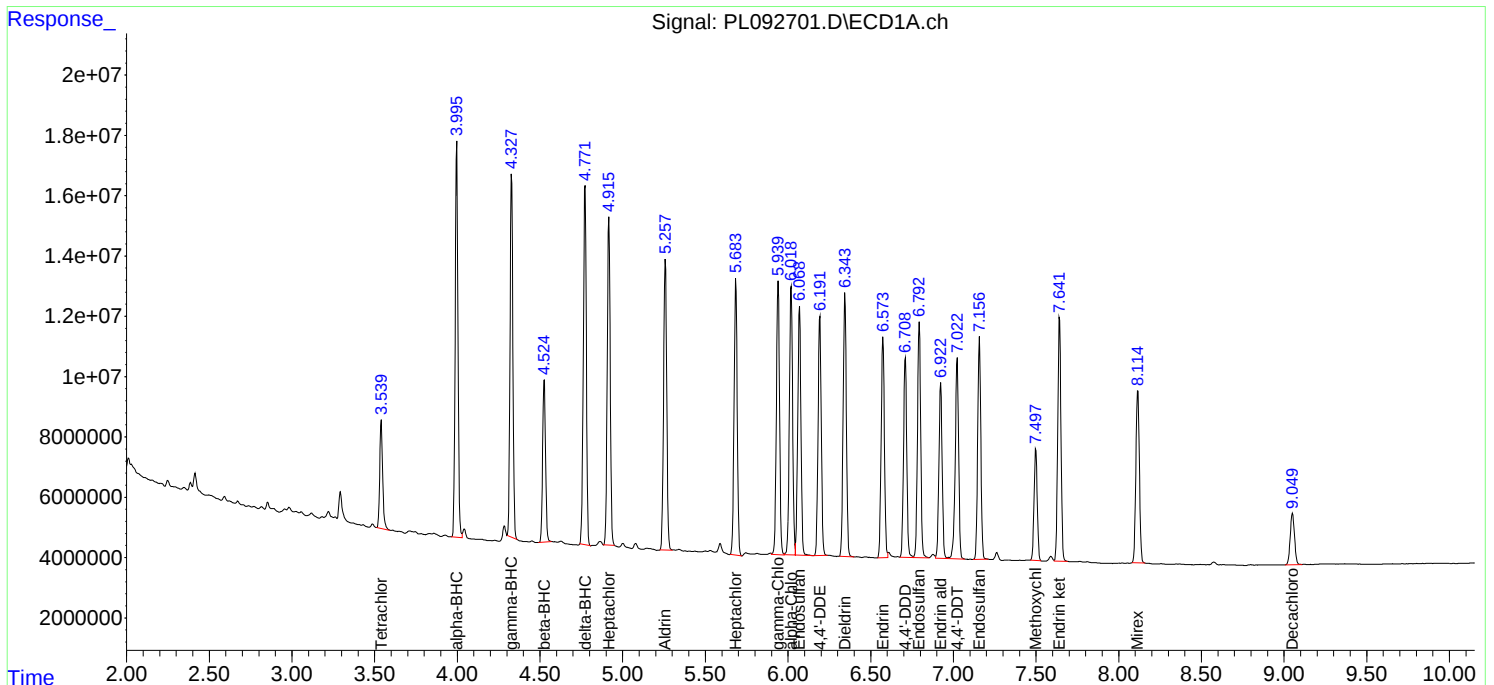
APPROVED

Reviewed By :Abdul Mirza 10/30/2024

Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 30 01:11:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102924\
 Data File : PL092702.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Oct 2024 11:50
 Operator : AR\AJ
 Sample : P4578-06MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WB-305-BOTMSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/30/2024
 Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 30 01:12:34 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 28 18:58:23 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.539	2.779	44037963	49951186	17.973m	18.357
28)	SA Decachlor...	9.053	7.915	30303124	43134949	15.746	15.805
Target Compounds							
2)	A alpha-BHC	3.996	3.281	152.8E6	187.0E6	45.060	46.869
3)	MA gamma-BHC...	4.327	3.611	141.6E6	177.7E6	43.429m	46.043
4)	MA Heptachlor	4.917	3.950	135.5E6	177.1E6	45.112	46.931
5)	MB Aldrin	5.257	4.230	127.1E6	169.7E6	42.358m	46.357
6)	B beta-BHC	4.526	3.910	65623061	77148090	45.399	46.863
7)	B delta-BHC	4.773	4.139	149.3E6	175.2E6	47.698	45.591
8)	B Heptachlo...	5.684	4.732	120.2E6	154.6E6	43.524	46.268
9)	A Endosulfan I	6.070	5.102	111.4E6	143.2E6	44.545	46.892
10)	B gamma-Chl...	5.939	4.982	120.6E6	160.3E6	45.329m	47.681
11)	B alpha-Chl...	6.019	5.046	120.8E6	158.9E6	45.603	47.767
12)	B 4,4'-DDE	6.192	5.235	106.5E6	152.4E6	44.940	47.297
13)	MA Dieldrin	6.345	5.366	118.1E6	157.9E6	44.806	47.278
14)	MA Endrin	6.573	5.641	98565833	135.1E6	43.294m	46.697
15)	B Endosulfa...	6.794	5.936	104.7E6	136.5E6	43.938	48.185
16)	A 4,4'-DDD	6.709	5.789	88486220	120.3E6	46.098	48.304
17)	MA 4,4'-DDT	7.023	6.039	95657230	124.0E6	46.217	46.226
18)	B Endrin al...	6.924	6.115	79416139	102.2E6	42.288	44.305
19)	B Endosulfa...	7.158	6.338	96867761	127.3E6	44.632	47.208
20)	A Methoxychlor	7.498	6.614	49721767	64973570	43.616	45.499
21)	B Endrin ke...	7.643	6.843	109.8E6	146.8E6	45.304	47.848
22)	Mirex	8.116	7.022	85444548	115.0E6	43.117	44.062m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102924\
Data File : PL092702.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2024 11:50
Operator : AR\AJ
Sample : P4578-06MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

WB-305-BOTMSD

Manual Integrations

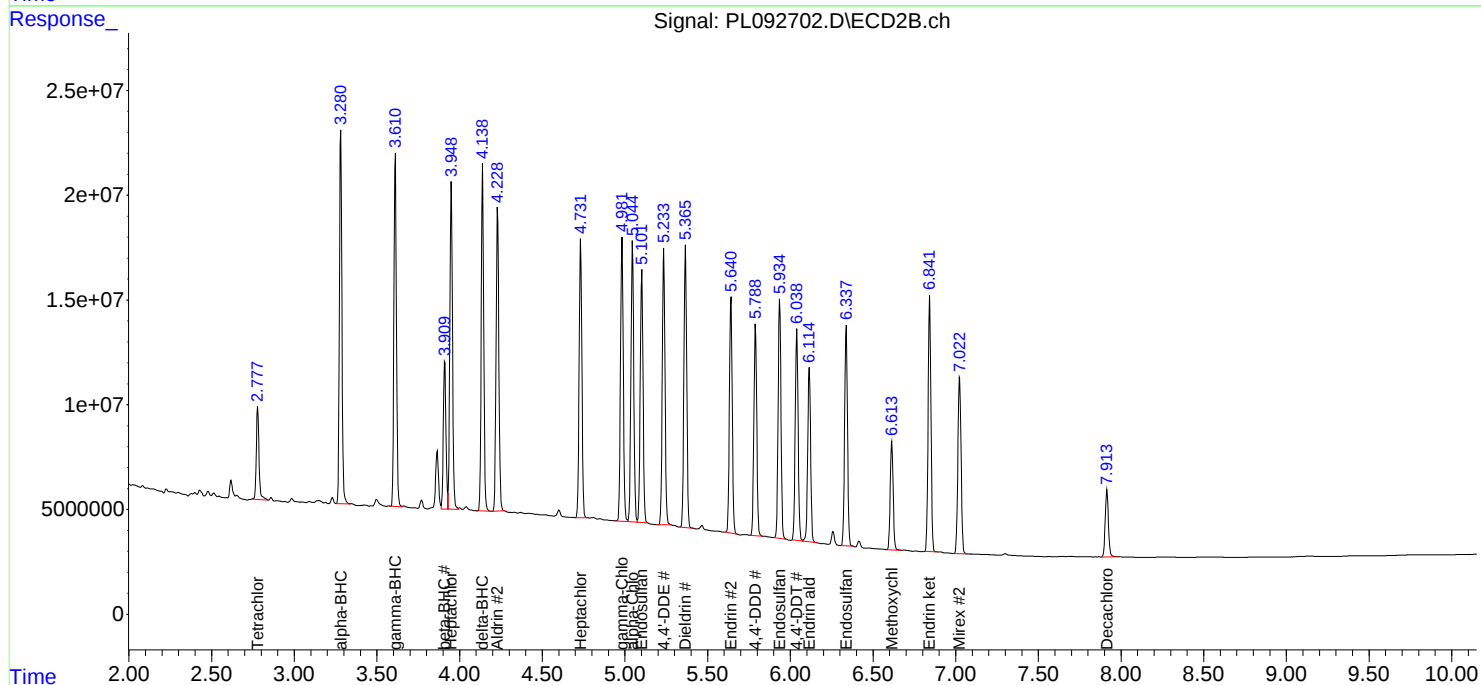
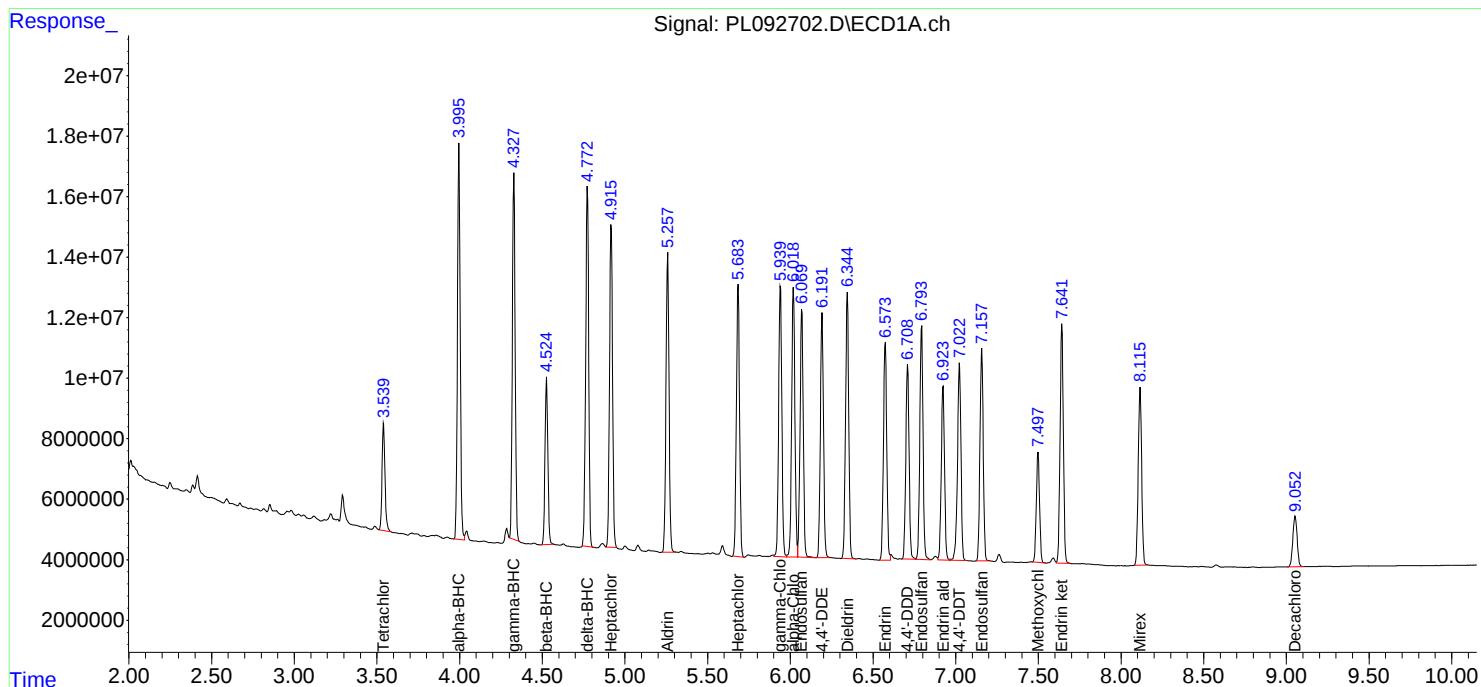
APPROVED

Reviewed By :Abdul Mirza 10/30/2024

Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 30 01:12:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

Sequence:	PL102824	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL092653.D	4,4"-DDD	Abdul	10/29/2024 9:08:09 AM	Ankita	10/29/2024 10:01:26	Peak Integrated by Software
PEM	PL092653.D	4,4"-DDD #2	Abdul	10/29/2024 9:08:09 AM	Ankita	10/29/2024 10:01:26	Peak Integrated by Software
PSTDICC005	PL092659.D	delta-BHC	Abdul	10/29/2024 9:08:13 AM	Ankita	10/29/2024 10:01:28	Peak Integrated by Software
PSTDICC005	PL092659.D	Heptachlor epoxide	Abdul	10/29/2024 9:08:13 AM	Ankita	10/29/2024 10:01:28	Peak Integrated by Software
PEM	PL092674.D	4,4"-DDD #2	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PEM	PL092674.D	4,4"-DDE	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PEM	PL092674.D	4,4"-DDE #2	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PEM	PL092674.D	Endrin ketone #2	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PSTDCCC050	PL092675.D	Aldrin	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
PSTDCCC050	PL092675.D	Dieldrin #2	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
PSTDCCC050	PL092675.D	gamma-BHC (Lindane)	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
PSTDCCC050	PL092675.D	Tetrachloro-m-xylene #2	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
I.BLK	PL092690.D	Tetrachloro-m-xylene #2	Abdul	10/29/2024 9:09:28 AM	Ankita	10/29/2024 10:02:09	Peak Integrated by Software

Manual Integration Report

Sequence:	PL102824	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL092691.D	Endosulfan II #2	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software
PSTDCCC050	PL092691.D	gamma-Chlordane	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software
PSTDCCC050	PL092691.D	Heptachlor epoxide	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software
PSTDCCC050	PL092691.D	Mirex #2	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software

Manual Integration Report

Sequence:	PL102924	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB164445BS	PL092698.D	Endrin	Abdul	10/30/2024 3:35:03 PM	Ankita	11/4/2024 9:19:18	Peak Integrated by Software
P4578-06	PL092700.D	alpha-BHC	Abdul	10/30/2024 3:35:08 PM	Ankita	11/4/2024 9:19:19	Peak Integrated by Software
P4578-06MS	PL092701.D	Aldrin	Abdul	10/30/2024 3:35:12 PM	Ankita	11/4/2024 9:19:21	Peak Integrated by Software
P4578-06MS	PL092701.D	delta-BHC #2	Abdul	10/30/2024 3:35:12 PM	Ankita	11/4/2024 9:19:21	Peak Integrated by Software
P4578-06MS	PL092701.D	Endrin	Abdul	10/30/2024 3:35:12 PM	Ankita	11/4/2024 9:19:21	Peak Integrated by Software
P4578-06MS	PL092701.D	gamma-BHC (Lindane)	Abdul	10/30/2024 3:35:12 PM	Ankita	11/4/2024 9:19:21	Peak Integrated by Software
P4578-06MS	PL092701.D	gamma-Chlordane	Abdul	10/30/2024 3:35:12 PM	Ankita	11/4/2024 9:19:21	Peak Integrated by Software
P4578-06MS	PL092701.D	Methoxychlor	Abdul	10/30/2024 3:35:12 PM	Ankita	11/4/2024 9:19:21	Peak Integrated by Software
P4578-06MS	PL092701.D	Mirex #2	Abdul	10/30/2024 3:35:12 PM	Ankita	11/4/2024 9:19:21	Peak Integrated by Software
P4578-06MS	PL092701.D	Tetrachloro-m-xylene	Abdul	10/30/2024 3:35:12 PM	Ankita	11/4/2024 9:19:21	Peak Integrated by Software
P4578-06MSD	PL092702.D	Aldrin	Abdul	10/30/2024 3:35:16 PM	Ankita	11/4/2024 9:19:23	Peak Integrated by Software
P4578-06MSD	PL092702.D	Endrin	Abdul	10/30/2024 3:35:16 PM	Ankita	11/4/2024 9:19:23	Peak Integrated by Software
P4578-06MSD	PL092702.D	gamma-BHC (Lindane)	Abdul	10/30/2024 3:35:16 PM	Ankita	11/4/2024 9:19:23	Peak Integrated by Software

Manual Integration Report

Sequence:	PL102924	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4578-06MSD	PL092702.D	gamma-Chlordane	Abdul	10/30/2024 3:35:16 PM	Ankita	11/4/2024 9:19:23	Peak Integrated by Software
P4578-06MSD	PL092702.D	Mirex #2	Abdul	10/30/2024 3:35:16 PM	Ankita	11/4/2024 9:19:23	Peak Integrated by Software
P4578-06MSD	PL092702.D	Tetrachloro-m-xylene	Abdul	10/30/2024 3:35:16 PM	Ankita	11/4/2024 9:19:23	Peak Integrated by Software
P4578-08	PL092703.D	Tetrachloro-m-xylene	Abdul	10/30/2024 3:35:21 PM	Ankita	11/4/2024 9:19:25	Peak Integrated by Software
I.BLK	PL092710.D	Tetrachloro-m-xylene #2	Abdul	10/30/2024 3:35:50 PM	Ankita	11/4/2024 9:19:34	Peak Integrated by Software
PSTDCCC050	PL092711.D	Aldrin	Abdul	10/30/2024 3:35:54 PM	Ankita	11/4/2024 9:19:35	Peak Integrated by Software
PSTDCCC050	PL092711.D	Endosulfan II #2	Abdul	10/30/2024 3:35:54 PM	Ankita	11/4/2024 9:19:35	Peak Integrated by Software
PSTDCCC050	PL092711.D	Mirex #2	Abdul	10/30/2024 3:35:54 PM	Ankita	11/4/2024 9:19:35	Peak Integrated by Software
I.BLK	PL092722.D	Decachlorobiphenyl	Abdul	10/30/2024 3:37:14 PM	Ankita	11/4/2024 9:20:12	Peak Integrated by Software
I.BLK	PL092722.D	Tetrachloro-m-xylene #2	Abdul	10/30/2024 3:37:14 PM	Ankita	11/4/2024 9:20:12	Peak Integrated by Software
PSTDCCC050	PL092723.D	4,4"-DDE #2	Abdul	10/30/2024 3:37:17 PM	Ankita	11/4/2024 9:20:13	Peak Integrated by Software
PSTDCCC050	PL092723.D	Aldrin	Abdul	10/30/2024 3:37:17 PM	Ankita	11/4/2024 9:20:13	Peak Integrated by Software
PSTDCCC050	PL092723.D	Endosulfan II #2	Abdul	10/30/2024 3:37:17 PM	Ankita	11/4/2024 9:20:13	Peak Integrated by Software

Manual Integration Report

Sequence:	PL102924	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL092723.D	Heptachlor	Abdul	10/30/2024 3:37:17 PM	Ankita	11/4/2024 9:20:13	Peak Integrated by Software
PSTDCCC050	PL092723.D	Heptachlor epoxide	Abdul	10/30/2024 3:37:17 PM	Ankita	11/4/2024 9:20:13	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM
SubDirectory	PL102824	HP Acquire Method	HP Processing Method pl102824 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092651.D	28 Oct 2024 13:41	AR\AJ	Ok
2	I.BLK	PL092652.D	28 Oct 2024 13:55	AR\AJ	Ok
3	PEM	PL092653.D	28 Oct 2024 14:16	AR\AJ	Ok,M
4	RESCHK	PL092654.D	28 Oct 2024 14:29	AR\AJ	Ok
5	PSTDICC100	PL092655.D	28 Oct 2024 14:43	AR\AJ	Ok
6	PSTDICC075	PL092656.D	28 Oct 2024 14:56	AR\AJ	Ok
7	PSTDICC050	PL092657.D	28 Oct 2024 15:09	AR\AJ	Ok
8	PSTDICC025	PL092658.D	28 Oct 2024 15:23	AR\AJ	Ok
9	PSTDICC005	PL092659.D	28 Oct 2024 15:36	AR\AJ	Ok,M
10	PCHLORICC1000	PL092660.D	28 Oct 2024 15:49	AR\AJ	Ok
11	PCHLORICC750	PL092661.D	28 Oct 2024 16:03	AR\AJ	Ok
12	PCHLORICC500	PL092662.D	28 Oct 2024 16:16	AR\AJ	Ok
13	PCHLORICC250	PL092663.D	28 Oct 2024 16:30	AR\AJ	Ok
14	PCHLORICC050	PL092664.D	28 Oct 2024 16:43	AR\AJ	Ok
15	PTOXICC1000	PL092665.D	28 Oct 2024 16:56	AR\AJ	Ok
16	PTOXICC750	PL092666.D	28 Oct 2024 17:10	AR\AJ	Ok
17	PTOXICC500	PL092667.D	28 Oct 2024 17:23	AR\AJ	Ok
18	PTOXICC250	PL092668.D	28 Oct 2024 17:37	AR\AJ	Ok
19	PTOXICC100	PL092669.D	28 Oct 2024 17:50	AR\AJ	Ok,M
20	PSTDICV050	PL092670.D	28 Oct 2024 18:03	AR\AJ	Ok
21	PCHLORICV500	PL092671.D	28 Oct 2024 18:30	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM
SubDirectory	PL102824	HP Acquire Method	HP Processing Method pl102824 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL092672.D	28 Oct 2024 18:57	AR\AJ	Ok
23	I.BLK	PL092673.D	28 Oct 2024 19:24	AR\AJ	Ok
24	PEM	PL092674.D	28 Oct 2024 19:37	AR\AJ	Ok,M
25	PSTDCCC050	PL092675.D	28 Oct 2024 19:51	AR\AJ	Ok,M
26	PB164460BL	PL092676.D	28 Oct 2024 20:04	AR\AJ	Ok,M
27	PB164460BS	PL092677.D	28 Oct 2024 20:17	AR\AJ	Ok,M
28	P4575-01	PL092678.D	28 Oct 2024 20:31	AR\AJ	Ok,M
29	P4566-01	PL092679.D	28 Oct 2024 20:44	AR\AJ	Ok,M
30	P4567-01	PL092680.D	28 Oct 2024 20:57	AR\AJ	Ok,M
31	P4567-05	PL092681.D	28 Oct 2024 21:11	AR\AJ	Ok
32	P4567-09	PL092682.D	28 Oct 2024 21:24	AR\AJ	Ok,M
33	P4574-01	PL092683.D	28 Oct 2024 21:38	AR\AJ	Ok,M
34	P4574-04	PL092684.D	28 Oct 2024 21:51	AR\AJ	Ok,M
35	P4577-01	PL092685.D	28 Oct 2024 22:04	AR\AJ	Ok,M
36	P4561-01	PL092686.D	28 Oct 2024 22:18	AR\AJ	Ok,M
37	P4561-01MS	PL092687.D	28 Oct 2024 22:31	AR\AJ	Ok,M
38	P4561-01MSD	PL092688.D	28 Oct 2024 22:44	AR\AJ	Ok,M
39	P4561-05	PL092689.D	28 Oct 2024 22:58	AR\AJ	Ok,M
40	I.BLK	PL092690.D	28 Oct 2024 23:11	AR\AJ	Ok,M
41	PSTDCCC050	PL092691.D	29 Oct 2024 00:32	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102924

Review By	Abdul	Review On	10/30/2024 3:38:50 PM
Supervise By	Ankita	Supervise On	11/4/2024 9:20:27 AM
SubDirectory	PL102924	HP Acquire Method	HP Processing Method pl102824 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092692.D	29 Oct 2024 09:35	AR\AJ	Ok
2	I.BLK	PL092693.D	29 Oct 2024 09:48	AR\AJ	Ok
3	PEM	PL092694.D	29 Oct 2024 10:02	AR\AJ	Ok
4	PSTDCCC050	PL092695.D	29 Oct 2024 10:15	AR\AJ	Ok
5	P4545-01RE	PL092696.D	29 Oct 2024 10:30	AR\AJ	Confirms
6	PB164445BL	PL092697.D	29 Oct 2024 10:43	AR\AJ	Ok
7	PB164445BS	PL092698.D	29 Oct 2024 10:57	AR\AJ	Ok,M
8	PB164393TB	PL092699.D	29 Oct 2024 11:10	AR\AJ	Ok
9	P4578-06	PL092700.D	29 Oct 2024 11:23	AR\AJ	Ok,M
10	P4578-06MS	PL092701.D	29 Oct 2024 11:37	AR\AJ	Ok,M
11	P4578-06MSD	PL092702.D	29 Oct 2024 11:50	AR\AJ	Ok,M
12	P4578-08	PL092703.D	29 Oct 2024 12:04	AR\AJ	Ok,M
13	PB164496BL	PL092704.D	29 Oct 2024 12:17	AR\AJ	Ok
14	PB164496BS	PL092705.D	29 Oct 2024 12:30	AR\AJ	Ok,M
15	P4597-01	PL092706.D	29 Oct 2024 12:58	AR\AJ	Ok,M
16	P4597-04	PL092707.D	29 Oct 2024 13:12	AR\AJ	Ok,M
17	P4597-07	PL092708.D	29 Oct 2024 13:26	AR\AJ	Ok,M
18	P4597-10	PL092709.D	29 Oct 2024 13:39	AR\AJ	Ok,M
19	I.BLK	PL092710.D	29 Oct 2024 13:53	AR\AJ	Ok,M
20	PSTDCCC050	PL092711.D	29 Oct 2024 14:07	AR\AJ	Ok,M
21	P4594-01	PL092712.D	29 Oct 2024 14:21	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102924

Review By	Abdul	Review On	10/30/2024 3:38:50 PM
Supervise By	Ankita	Supervise On	11/4/2024 9:20:27 AM
SubDirectory	PL102924	HP Acquire Method	HP Processing Method pl102824 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4594-01MS	PL092713.D	29 Oct 2024 14:35	AR\AJ	Ok,M
23	P4594-01MSD	PL092714.D	29 Oct 2024 14:49	AR\AJ	Ok,M
24	P4594-05	PL092715.D	29 Oct 2024 15:02	AR\AJ	Ok,M
25	P4594-09	PL092716.D	29 Oct 2024 15:16	AR\AJ	Ok,M
26	P4594-13	PL092717.D	29 Oct 2024 15:30	AR\AJ	Ok,M
27	P4594-17	PL092718.D	29 Oct 2024 15:44	AR\AJ	Ok,M
28	P4598-01	PL092719.D	29 Oct 2024 15:58	AR\AJ	Ok,M
29	P4598-05	PL092720.D	29 Oct 2024 16:11	AR\AJ	Ok,M
30	P4598-09	PL092721.D	29 Oct 2024 16:25	AR\AJ	Ok,M
31	I.BLK	PL092722.D	29 Oct 2024 16:39	AR\AJ	Ok,M
32	PSTDCCC050	PL092723.D	29 Oct 2024 16:53	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM
SubDirectory	PL102824	HP Acquire Method	HP Processing Method pl102824 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092651.D	28 Oct 2024 13:41		AR\AJ	Ok
2	I.BLK	I.BLK	PL092652.D	28 Oct 2024 13:55		AR\AJ	Ok
3	PEM	PEM	PL092653.D	28 Oct 2024 14:16		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL092654.D	28 Oct 2024 14:29		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL092655.D	28 Oct 2024 14:43		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL092656.D	28 Oct 2024 14:56		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL092657.D	28 Oct 2024 15:09		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL092658.D	28 Oct 2024 15:23		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL092659.D	28 Oct 2024 15:36		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL092660.D	28 Oct 2024 15:49		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL092661.D	28 Oct 2024 16:03		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL092662.D	28 Oct 2024 16:16		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL092663.D	28 Oct 2024 16:30		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL092664.D	28 Oct 2024 16:43		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL092665.D	28 Oct 2024 16:56		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL092666.D	28 Oct 2024 17:10		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL092667.D	28 Oct 2024 17:23		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL092668.D	28 Oct 2024 17:37		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM
SubDirectory	PL102824	HP Acquire Method	HP Processing Method
			pl102824 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL092669.D	28 Oct 2024 17:50		AR\AJ	Ok,M
20	PSTDICV050	ICVPL102824	PL092670.D	28 Oct 2024 18:03		AR\AJ	Ok
21	PCHLORICV500	ICVPL102824CHLOR	PL092671.D	28 Oct 2024 18:30		AR\AJ	Ok
22	PTOXICV500	ICVPL102824TOX	PL092672.D	28 Oct 2024 18:57		AR\AJ	Ok
23	I.BLK	I.BLK	PL092673.D	28 Oct 2024 19:24		AR\AJ	Ok
24	PEM	PEM	PL092674.D	28 Oct 2024 19:37		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL092675.D	28 Oct 2024 19:51		AR\AJ	Ok,M
26	PB164460BL	PB164460BL	PL092676.D	28 Oct 2024 20:04		AR\AJ	Ok,M
27	PB164460BS	PB164460BS	PL092677.D	28 Oct 2024 20:17		AR\AJ	Ok,M
28	P4575-01	PL-02-102424	PL092678.D	28 Oct 2024 20:31		AR\AJ	Ok,M
29	P4566-01	HD-01-102524	PL092679.D	28 Oct 2024 20:44		AR\AJ	Ok,M
30	P4567-01	WC-1	PL092680.D	28 Oct 2024 20:57		AR\AJ	Ok,M
31	P4567-05	WC-2	PL092681.D	28 Oct 2024 21:11		AR\AJ	Ok
32	P4567-09	WC-3	PL092682.D	28 Oct 2024 21:24		AR\AJ	Ok,M
33	P4574-01	GRAVEL-1	PL092683.D	28 Oct 2024 21:38		AR\AJ	Ok,M
34	P4574-04	GRAVEL-2	PL092684.D	28 Oct 2024 21:51		AR\AJ	Ok,M
35	P4577-01	TR-05-102524	PL092685.D	28 Oct 2024 22:04		AR\AJ	Ok,M
36	P4561-01	BP-F-19	PL092686.D	28 Oct 2024 22:18		AR\AJ	Ok,M
37	P4561-01MS	BP-F-19MS	PL092687.D	28 Oct 2024 22:31		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM
SubDirectory	PL102824	HP Acquire Method	HP Processing Method pl102824 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	P4561-01MSD	BP-F-19MSD	PL092688.D	28 Oct 2024 22:44		AR\AJ	Ok,M
39	P4561-05	BP-F-18	PL092689.D	28 Oct 2024 22:58		AR\AJ	Ok,M
40	I.BLK	I.BLK	PL092690.D	28 Oct 2024 23:11		AR\AJ	Ok,M
41	PSTDCCC050	PSTDCCC050	PL092691.D	29 Oct 2024 00:32		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102924

Review By	Abdul	Review On	10/30/2024 3:38:50 PM
Supervise By	Ankita	Supervise On	11/4/2024 9:20:27 AM
SubDirectory	PL102924	HP Acquire Method	HP Processing Method pl102824 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092692.D	29 Oct 2024 09:35		AR\AJ	Ok
2	I.BLK	I.BLK	PL092693.D	29 Oct 2024 09:48		AR\AJ	Ok
3	PEM	PEM	PL092694.D	29 Oct 2024 10:02		AR\AJ	Ok
4	PSTDCCC050	PSTDCCC050	PL092695.D	29 Oct 2024 10:15		AR\AJ	Ok
5	P4545-01RE	VNJ-215RE	PL092696.D	29 Oct 2024 10:30	DCB low in both column	AR\AJ	Confirms
6	PB164445BL	PB164445BL	PL092697.D	29 Oct 2024 10:43		AR\AJ	Ok
7	PB164445BS	PB164445BS	PL092698.D	29 Oct 2024 10:57		AR\AJ	Ok,M
8	PB164393TB	PB164393TB	PL092699.D	29 Oct 2024 11:10		AR\AJ	Ok
9	P4578-06	WB-305-BOT	PL092700.D	29 Oct 2024 11:23		AR\AJ	Ok,M
10	P4578-06MS	WB-305-BOTMS	PL092701.D	29 Oct 2024 11:37		AR\AJ	Ok,M
11	P4578-06MSD	WB-305-BOTMSD	PL092702.D	29 Oct 2024 11:50		AR\AJ	Ok,M
12	P4578-08	WB-305-BOT-1	PL092703.D	29 Oct 2024 12:04		AR\AJ	Ok,M
13	PB164496BL	PB164496BL	PL092704.D	29 Oct 2024 12:17		AR\AJ	Ok
14	PB164496BS	PB164496BS	PL092705.D	29 Oct 2024 12:30		AR\AJ	Ok,M
15	P4597-01	RED-1-1	PL092706.D	29 Oct 2024 12:58		AR\AJ	Ok,M
16	P4597-04	RED-1-2	PL092707.D	29 Oct 2024 13:12		AR\AJ	Ok,M
17	P4597-07	BLUE-2-1	PL092708.D	29 Oct 2024 13:26		AR\AJ	Ok,M
18	P4597-10	BLUE-2-2	PL092709.D	29 Oct 2024 13:39		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL102924

Review By	Abdul	Review On	10/30/2024 3:38:50 PM
Supervise By	Ankita	Supervise On	11/4/2024 9:20:27 AM
SubDirectory	PL102924	HP Acquire Method	HP Processing Method pl102824 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	I.BLK	I.BLK	PL092710.D	29 Oct 2024 13:53		AR\AJ	Ok,M
20	PSTDCCC050	PSTDCCC050	PL092711.D	29 Oct 2024 14:07		AR\AJ	Ok,M
21	P4594-01	TP-4	PL092712.D	29 Oct 2024 14:21		AR\AJ	Ok,M
22	P4594-01MS	TP-4MS	PL092713.D	29 Oct 2024 14:35		AR\AJ	Ok,M
23	P4594-01MSD	TP-4MSD	PL092714.D	29 Oct 2024 14:49		AR\AJ	Ok,M
24	P4594-05	BP-F17	PL092715.D	29 Oct 2024 15:02		AR\AJ	Ok,M
25	P4594-09	BP-F16	PL092716.D	29 Oct 2024 15:16		AR\AJ	Ok,M
26	P4594-13	TP-5	PL092717.D	29 Oct 2024 15:30		AR\AJ	Ok,M
27	P4594-17	BP-F15	PL092718.D	29 Oct 2024 15:44		AR\AJ	Ok,M
28	P4598-01	BP-F12	PL092719.D	29 Oct 2024 15:58		AR\AJ	Ok,M
29	P4598-05	BP-F11	PL092720.D	29 Oct 2024 16:11		AR\AJ	Ok,M
30	P4598-09	TP-8	PL092721.D	29 Oct 2024 16:25		AR\AJ	Ok,M
31	I.BLK	I.BLK	PL092722.D	29 Oct 2024 16:39		AR\AJ	Ok,M
32	PSTDCCC050	PSTDCCC050	PL092723.D	29 Oct 2024 16:53		AR\AJ	Ok,M

M : Manual Integration

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SOP ID : M1311-TCLP-15

SDG No : N/A

Wegh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 114771

Start Prep Date : 10/25/2024 Time : 17:40

End Prep Date : 10/26/2024 Time : 10:37

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : *JP*

Supervisor By : *12*

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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
HCL-TCLP,1N	N/A	WP108584
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. Tumbler T-1 / T-2 CHECKED,30 RPM. Particle size reduction is not required. p4578-08 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/26/24 11:45	<i>JP</i> <i>1st Room</i>	<i>JP</i> <i>1st Room</i>
	Preparation Group	Analysis Group

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4452-03	ETGI-285	01	100.03	2000	N/A	N/A	N/A	11.0	1.5	T-1
P4545-02	VNJ-215	02	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
P4547-04	BP-F-21	03	100.01	2000	N/A	N/A	N/A	4.5	1.0	T-1
P4547-08	BP-F-20	04	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
P4561-04	BP-F-19	05	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4561-08	BP-F-18	06	100.04	2000	N/A	N/A	N/A	4.0	1.0	T-1
P4567-04	WC-1	07	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-1
P4567-08	WC-2	08	100.03	2000	N/A	N/A	N/A	7.6	1.0	T-1
P4567-12	WC-3	09	100.04	2000	N/A	N/A	N/A	7.6	1.5	T-1
P4574-03	GRAVEL-1	10	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
P4574-06	GRAVEL-2	11	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
P4574-08	CONCRETE-1	12	100.02	2000	N/A	N/A	N/A	10.5	1.0	T-2
P4574-10	CONCRETE-2	13	100.02	2000	N/A	N/A	N/A	10.5	1.5	T-2
P4574-12	CONCRETE-3	14	100.03	2000	N/A	N/A	N/A	11.0	1.0	T-2
P4578-06	WB-305-BOT	15	100.04	2000	N/A	N/A	N/A	5.8	1.5	T-2
P4578-08	WB-305-BOT-1	16	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-2
PB164393TB	LEB393	17	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4452-03	ETGI-285	N/A	N/A	N/A	N/A	100	N/A
P4545-02	VNJ-215	N/A	N/A	N/A	N/A	100	N/A
P4547-04	BP-F-21	N/A	N/A	N/A	N/A	100	N/A
P4547-08	BP-F-20	N/A	N/A	N/A	N/A	100	N/A
P4561-04	BP-F-19	N/A	N/A	N/A	N/A	100	N/A
P4561-08	BP-F-18	N/A	N/A	N/A	N/A	100	N/A
P4567-04	WC-1	N/A	N/A	N/A	N/A	100	N/A
P4567-08	WC-2	N/A	N/A	N/A	N/A	100	N/A
P4567-12	WC-3	N/A	N/A	N/A	N/A	100	N/A
P4574-03	GRAVEL-1	N/A	N/A	N/A	N/A	100	N/A
P4574-06	GRAVEL-2	N/A	N/A	N/A	N/A	100	N/A
P4574-08	CONCRETE-1	N/A	N/A	N/A	N/A	100	N/A
P4574-10	CONCRETE-2	N/A	N/A	N/A	N/A	100	N/A
P4574-12	CONCRETE-3	N/A	N/A	N/A	N/A	100	N/A
P4578-06	WB-305-BOT	N/A	N/A	N/A	N/A	100	N/A
P4578-08	WB-305-BOT-1	N/A	N/A	N/A	N/A	100	N/A
PB164393TB	LEB393	N/A	N/A	N/A	N/A	N/A	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
P4452-03	ETGI-285	5.02	96.5	11.0	4.0	#1	4.93
P4545-02	VNJ-215	5.02	96.5	7.6	2.5	#1	4.93
P4547-04	BP-F-21	5.00	96.5	6.2	2.0	#1	4.93
P4547-08	BP-F-20	5.03	96.5	8.2	3.0	#1	4.93
P4561-04	BP-F-19	5.02	96.5	7.6	2.5	#1	4.93
P4561-08	BP-F-18	5.02	96.5	7.0	2.5	#1	4.93
P4567-04	WC-1	5.03	96.5	9.1	4.0	#1	4.93
P4567-08	WC-2	5.02	96.5	9.5	4.0	#1	4.93
P4567-12	WC-3	5.02	96.5	7.2	3.0	#1	4.93
P4574-03	GRAVEL-1	5.02	96.5	6.0	2.0	#1	4.93
P4574-06	GRAVEL-2	5.03	96.5	5.6	1.5	#1	4.93
P4574-08	CONCRETE-1	5.02	96.5	11.0	4.0	#1	4.93
P4574-10	CONCRETE-2	5.03	96.5	11.0	4.0	#1	4.93
P4574-12	CONCRETE-3	5.02	96.5	11.5	4.5	#1	4.93
P4578-06	WB-305-BOT	5.03	96.5	7.6	2.5	#1	4.93
P4578-08	WB-305-BOT-1	5.02	96.5	8.2	3.0	#1	4.93
PB164393TB	LEB393	N/A	N/A	N/A	N/A	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tcip p4545

WorkList ID : 184760

Department : TCLP Extraction

Date : 10-25-2024 07:58:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4452-03	ETGI-285	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/18/2024	1311
P4545-02	VNJ-215	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K61	10/24/2024	1311
P4547-04	BP-F-21	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/24/2024	1311
P4547-08	BP-F-20	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/24/2024	1311
P4561-04	BP-F-19	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4561-08	BP-F-18	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4567-04	WC-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K61	10/25/2024	1311
P4567-08	WC-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K61	10/25/2024	1311
P4567-12	WC-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K61	10/25/2024	1311
P4574-03	GRAVEL-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4574-06	GRAVEL-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4574-08	CONCRETE-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4574-10	CONCRETE-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4574-12	CONCRETE-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4578-06	WB-305-BOT	Solid	TCLP Extraction	Cool 4 deg C	PORT06	K63	10/25/2024	1311
P4578-08	WB-305-BOT-1	Solid	TCLP Extraction	Cool 4 deg C	PORT06	K63	10/25/2024	1311

Date/Time 10/25/24 17:25
Raw Sample Received by: SO WOC
Raw Sample Relinquished by: J.C (sm)

Date/Time 10/23/24 19:30
Raw Sample Received by: J.C (sm)
Raw Sample Relinquished by: SO WOC

SOP ID:	M3541-ASE Extraction-14		
Clean Up SOP #:	N/A	Extraction Start Date :	10/26/2024
Matrix :	Water	Extraction Start Time :	12:50
Weigh By:	N/A	Extraction By:	RS
Balance check:	N/A	Filter By:	RS
Balance ID:	N/A	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	4,6,7
Extraction Method:	☒ Separatory Funnel	☐ Continous Liquid/Liquid	☐ Sonication
		☐ Waste Dilution	☐ Soxhlet
		Extraction End Date :	10/26/2024
		Extraction End Time :	17:45
		Concentration By:	EH
		Supervisor By :	rajesh

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

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3822
Baked Na2SO4	N/A	EP2551
Hexane	N/A	E3819
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 BTS721.

KD Bath ID:	Water bath -01	Envap ID:	NEVAP-02
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/28/24	RP (Est. 206)	Y-P-PRSTHPS.
3:00	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 10/26/2024

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164393TB	PB164393TB	TCLP Pesticide	100	6	RUPESH	rajesh	1			SEP-01
PB164445BL	PBLK445	TCLP Pesticide	1000	6	RUPESH	rajesh	1			2
PB164445BS	PLCS445	TCLP Pesticide	1000	6	RUPESH	rajesh	1			3
P4578-06	WB-305-BOT	TCLP Pesticide	100	6	RUPESH	rajesh	1	A		4
P4578-06MS	WB-305-BOTMS	TCLP Pesticide	100	6	RUPESH	rajesh	1	A		5
P4578-06MS D	WB-305-BOTMSD	TCLP Pesticide	100	6	RUPESH	rajesh	1	A		6
P4578-08	WB-305-BOT-1	TCLP Pesticide	100	6	RUPESH	rajesh	1	A		7

* Extracts relinquished on the same date as received.

2
10/26/24

SOP ID:	M3541-ASE Extraction-14		
Clean Up SOP #:	N/A	Extraction Start Date :	10/26/2024
Matrix :	Water	Extraction Start Time :	12:50
Weigh By:	N/A	Extraction By:	RS
Balance check:	N/A	Filter By:	RS
Balance ID:	N/A	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	4,6,7
Extraction Method:	☒ Separatory Funnel	☐ Continous Liquid/Liquid	☐ Sonication
		☐ Waste Dilution	☐ Soxhlet
		Extraction End Date :	10/26/2024
		Extraction End Time :	17:45
		Concentration By:	EH
		Supervisor By :	rajesh

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

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3822
Baked Na2SO4	N/A	EP2551
Hexane	N/A	E3819
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 BTS721.

KD Bath ID:	Water bath -01	Envap ID:	NEVAP-02
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/28/24	RP (Est. 206)	Y-P-PRSTHPS.
3:00	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 10/26/2024

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164393TB	PB164393TB	TCLP Pesticide	100	6	RUPESH	rajesh	1			SEP-01
PB164445BL	PBLK445	TCLP Pesticide	1000	6	RUPESH	rajesh	1			2
PB164445BS	PLCS445	TCLP Pesticide	1000	6	RUPESH	rajesh	1			3
P4578-06	WB-305-BOT	TCLP Pesticide	100	6	RUPESH	rajesh	1	A		4
P4578-06MS	WB-305-BOTMS	TCLP Pesticide	100	6	RUPESH	rajesh	1	A		5
P4578-06MS D	WB-305-BOTMSD	TCLP Pesticide	100	6	RUPESH	rajesh	1	A		6
P4578-08	WB-305-BOT-1	TCLP Pesticide	100	6	RUPESH	rajesh	1	A		7

* Extracts relinquished on the same date as received.

2
10/26/24

LAB CHRONICLE

OrderID:	P4578	OrderDate:	10/25/2024 3:58:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	Location:	K63,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4578-01	WB-305-SW	WATER	PCB	8082A	10/25/24	10/29/24	10/29/24	10/25/24
P4578-02	WB-305-SW-1	WATER	PCB	8082A	10/25/24	10/29/24	10/29/24	10/25/24
P4578-03	WB-305-TOP	SOIL	PCB	8082A	10/25/24	10/28/24	10/29/24	10/25/24
P4578-04	WB-305-TOP-1	SOIL	PCB	8082A	10/25/24	10/28/24	10/29/24	10/25/24
P4578-05	WB-305-BOT	SOIL	PCB	8082A	10/25/24	10/28/24	10/29/24	10/25/24
P4578-06	WB-305-BOT	TCLP	TCLP Pesticide	8081B	10/25/24	10/26/24	10/29/24	10/25/24
P4578-07	WB-305-BOT-1	SOIL	PCB	8082A	10/25/24	10/28/24	10/29/24	10/25/24
P4578-08	WB-305-BOT-1	TCLP	TCLP Pesticide	8081B	10/25/24	10/26/24	10/29/24	10/25/24