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

Hit Summary Sheet
SW-846

SDG No.: P4892 **Order ID:** P4892

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

Raw Data: **PL093216.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOT	SDG No.:	P4892
Lab Sample ID:	P4892-03	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093216.D	1	11/20/24 12:00	11/22/24 10:27	PB165164

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.6		30 (43) - 150 (140)	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.4		30 (77) - 150 (126)	112%	SPK: 20

Comments:

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

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

Raw Data: **PL093197.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/20/24
Client Sample ID:	PB165060TB	SDG No.:	P4892
Lab Sample ID:	PB165060TB	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093197.D	1	11/20/24 12:00	11/21/24 11:02	PB165164

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.0		30 (43) - 150 (140)	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		30 (77) - 150 (126)	105%	SPK: 20

Comments:

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

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

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits 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-PL093191.D	PIBLK-PL093191.D	Decachlorobiphenyl	1	20	19.6	98		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.9	110		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.3	106		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.0	105		30 (77)	150 (126)
PB165164BL	PB165164BL	Decachlorobiphenyl	1	20	19.2	96		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.6	103		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.9	110		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.5	98		30 (77)	150 (126)
PB165164BS	PB165164BS	Decachlorobiphenyl	1	20	19.9	99		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.0	105		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.7	109		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.1	96		30 (77)	150 (126)
PB165060TB	PB165060TB	Decachlorobiphenyl	1	20	20.0	100		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.1	105		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.0	110		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.5	98		30 (77)	150 (126)
P4892-03MS	WB-310-BOTMS	Decachlorobiphenyl	1	20	18.3	92		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.3	102		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.6	103		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	18.4	92		30 (77)	150 (126)
P4892-03MSD	WB-310-BOTMSD	Decachlorobiphenyl	1	20	18.4	92		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.8	99		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.4	102		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	18.1	90		30 (77)	150 (126)
I.BLK-PL093210.D	PIBLK-PL093210.D	Decachlorobiphenyl	1	20	20.5	103		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.9	109		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.8	114		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.0	105		30 (77)	150 (126)
I.BLK-PL093213.D	PIBLK-PL093213.D	Decachlorobiphenyl	1	20	21.7	109		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	23.8	119		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	24.9	124		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	23.5	118		30 (77)	150 (126)
P4892-03	WB-310-BOT	Decachlorobiphenyl	1	20	18.4	92		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.9	110		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.6	103		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	22.4	112		30 (77)	150 (126)
I.BLK-PL093227.D	PIBLK-PL093227.D	Decachlorobiphenyl	1	20	18.4	92		30 (43)	150 (140)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL093227.D	PIBLK-PL093227.D	Tetrachloro-m-xylene	1	20	21.1	105		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	19.9	100		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.9	99		30 (77)	150 (126)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: 8081B **DataFile :** PL093200.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**WB-310-BOTMS**											
P4892-03MS	gamma-BHC (Lindane)	5	0	5.40	ug/L	108				30 (60)	150 (152)	
	Heptachlor	5	0	5.50	ug/L	110				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	5.60	ug/L	112				30 (77)	150 (143)	
	Endrin	5	0	5.70	ug/L	114				30 (76)	150 (144)	
	Methoxychlor	5	0	5.40	ug/L	108				30 (70)	150 (142)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: 8081B **DataFile :** PL093201.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**WB-310-BOTMSD**											
P4892-03MSD	gamma-BHC (Lindane)	5	0	5.30	ug/L	106		2		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	5.40	ug/L	108		2		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	5.50	ug/L	110		2		30 (77)	150 (143)	20 (20)
	Endrin	5	0	5.70	ug/L	114		0		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	5.30	ug/L	106		2		30 (70)	150 (142)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: 8081B **Datafile :** PL093196.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB165164BS	gamma-BHC (Lindane)	0.5	0.50	ug/L	100				40 (82)	140 (129)	
	Heptachlor	0.5	0.52	ug/L	104				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.53	ug/L	106				40 (81)	140 (124)	
	Endrin	0.5	0.49	ug/L	99				40 (81)	140 (128)	
	Methoxychlor	0.5	0.50	ug/L	100				40 (78)	140 (108)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165164BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab Sample ID: PB165164BL Lab File ID: PL093195.D

Matrix: (soil/water) water Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 11/20/2024

Date Analyzed (1): 11/21/2024 Date Analyzed (2): 11/21/2024

Time Analyzed (1): 10:35 Time Analyzed (2): 10:35

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
PB165164BS	PB165164BS	PL093196.D	11/21/2024	11/21/2024
PB165060TB	PB165060TB	PL093197.D	11/21/2024	11/21/2024
WB-310-BOTMS	P4892-03MS	PL093200.D	11/21/2024	11/21/2024
WB-310-BOTMSD	P4892-03MSD	PL093201.D	11/21/2024	11/21/2024
WB-310-BOT	P4892-03	PL093216.D	11/22/2024	11/22/2024

COMMENTS:

QC SAMPLE DATA

Raw Data: **PL093195.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165164BL	SDG No.:	P4892
Lab Sample ID:	PB165164BL	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093195.D	1	11/20/24 12:00	11/21/24 10:35	PB165164

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	21.9		30 (43) - 150 (140)	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		30 (77) - 150 (126)	103%	SPK: 20

Comments:

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
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* = 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

Alliance TECHNICAL GROUP
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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.:	P4892
Lab Sample ID:	I.BLK-PL092652.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
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

Comments:

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J = Estimated Value
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* = Values outside of QC limits
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/21/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/21/24
Client Sample ID:	PIBLK-PL093191.D	SDG No.:	P4892
Lab Sample ID:	I.BLK-PL093191.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093191.D	1		11/21/24	PL112124

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	21.3		30 (43) - 150 (140)	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.9		30 (77) - 150 (126)	110%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
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E = Value Exceeds Calibration Range
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() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/21/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/21/24
Client Sample ID:	PIBLK-PL093210.D	SDG No.:	P4892
Lab Sample ID:	I.BLK-PL093210.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093210.D	1		11/21/24	PL112124

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	22.8		30 (43) - 150 (140)	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.9		30 (77) - 150 (126)	109%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/22/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/22/24
Client Sample ID:	PIBLK-PL093213.D	SDG No.:	P4892
Lab Sample ID:	I.BLK-PL093213.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093213.D	1		11/22/24	PL112224

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	24.9		30 (43) - 150 (140)	124%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.8		30 (77) - 150 (126)	119%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/22/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/22/24
Client Sample ID:	PIBLK-PL093227.D	SDG No.:	P4892
Lab Sample ID:	I.BLK-PL093227.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093227.D	1		11/22/24	PL112224

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	19.9		30 (43) - 150 (140)	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		30 (77) - 150 (126)	105%	SPK: 20

Comments:

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

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

Raw Data: **PL093196.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165164BS	SDG No.:	P4892
Lab Sample ID:	PB165164BS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093196.D	1	11/20/24 12:00	11/21/24 10:48	PB165164

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.50		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.52		0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.53		0.0090	0.050	ug/L
72-20-8	Endrin	0.49		0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.50		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	21.7		30 (43) - 150 (140)	109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		30 (77) - 150 (126)	105%	SPK: 20

Comments:

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

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

Raw Data: **PL093200.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOTMS	SDG No.:	P4892
Lab Sample ID:	P4892-03MS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093200.D	1	11/20/24 12:00	11/21/24 11:41	PB165164

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.40		0.049	0.50	ug/L
76-44-8	Heptachlor	5.50		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.60		0.090	0.50	ug/L
72-20-8	Endrin	5.70		0.043	0.50	ug/L
72-43-5	Methoxychlor	5.40		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.6		30 (43) - 150 (140)	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.3		30 (77) - 150 (126)	102%	SPK: 20

Comments:

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

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

Raw Data: **PL093201.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOTMSD	SDG No.:	P4892
Lab Sample ID:	P4892-03MSD	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093201.D	1	11/20/24 12:00	11/21/24 11:54	PB165164

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.30		0.049	0.50	ug/L
76-44-8	Heptachlor	5.40		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.50		0.090	0.50	ug/L
72-20-8	Endrin	5.70		0.043	0.50	ug/L
72-43-5	Methoxychlor	5.30		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.4		30 (43) - 150 (140)	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.8		30 (77) - 150 (126)	99%	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

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

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: RT 100 = PL092655.D RT 075 = PL092656.D

RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
Endrin	6.58	6.58	6.57	6.57	6.57	6.57	6.47	6.67
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.68	5.69	5.68	5.68	5.58	5.78
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

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: RT 100 = PL092655.D RT 075 = PL092656.D

RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
Heptachlor	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Heptachlor epoxide	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Methoxychlor	6.61	6.62	6.62	6.62	6.61	6.61	6.51	6.71
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

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 =** PL092655.D **CF 075 =** PL092656.D

CF 050 = PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

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

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

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 =** PL092655.D **CF 075 =** PL092656.D

CF 050 = PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

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

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

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 FROM	RT WINDOW TO	CALIBRATION FACTOR
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

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

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 FROM	RT WINDOW TO	CALIBRATION FACTOR
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

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

Continuing Calib Date: 11/21/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 09:51 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.91	4.92	4.82	5.02	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

Continuing Calib Date: 11/21/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 09:51 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.01
Tetrachloro-m-xylene	2.77	2.78	2.68	2.88	0.01
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

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

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

Client Sample No.: CCAL01 **Date Analyzed:** 11/21/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093193.D **Time Analyzed:** 09:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.057	8.954	9.154	45.380	50.000	-9.2
Endrin	6.572	6.474	6.674	43.030	50.000	-13.9
gamma-BHC (Lindane)	4.326	4.228	4.428	49.920	50.000	-0.2
Heptachlor	4.914	4.817	5.017	47.490	50.000	-5.0
Heptachlor epoxide	5.683	5.584	5.784	47.140	50.000	-5.7
Methoxychlor	7.500	7.399	7.599	41.800	50.000	-16.4
Tetrachloro-m-xylene	3.537	3.440	3.640	50.810	50.000	1.6

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

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

Client Sample No.: CCAL01 **Date Analyzed:** 11/21/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093193.D **Time Analyzed:** 09:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.915	7.816	8.016	50.970	50.000	1.9
Endrin	5.638	5.541	5.741	50.120	50.000	0.2
gamma-BHC (Lindane)	3.607	3.511	3.711	52.430	50.000	4.9
Heptachlor	3.946	3.849	4.049	50.860	50.000	1.7
Heptachlor epoxide	4.728	4.632	4.832	52.370	50.000	4.7
Methoxychlor	6.613	6.515	6.715	47.990	50.000	-4.0
Tetrachloro-m-xylene	2.774	2.678	2.878	51.270	50.000	2.5

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

Continuing Calib Date: 11/21/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

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

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

Continuing Calib Date: 11/21/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

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

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.91	7.92	7.82	8.02	0.01
Tetrachloro-m-xylene	2.77	2.78	2.68	2.88	0.01
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

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

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

Client Sample No.: CCAL02 **Date Analyzed:** 11/21/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093211.D **Time Analyzed:** 15:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.058	8.954	9.154	46.110	50.000	-7.8
Endrin	6.572	6.474	6.674	44.290	50.000	-11.4
gamma-BHC (Lindane)	4.325	4.228	4.428	50.530	50.000	1.1
Heptachlor	4.914	4.817	5.017	47.570	50.000	-4.9
Heptachlor epoxide	5.682	5.584	5.784	47.490	50.000	-5.0
Methoxychlor	7.500	7.399	7.599	42.470	50.000	-15.1
Tetrachloro-m-xylene	3.536	3.440	3.640	51.100	50.000	2.2

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

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

Client Sample No.: CCAL02 **Date Analyzed:** 11/21/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093211.D **Time Analyzed:** 15:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.914	7.816	8.016	51.630	50.000	3.3
Endrin	5.638	5.541	5.741	50.460	50.000	0.9
gamma-BHC (Lindane)	3.607	3.511	3.711	52.440	50.000	4.9
Heptachlor	3.946	3.849	4.049	50.770	50.000	1.5
Heptachlor epoxide	4.728	4.632	4.832	52.850	50.000	5.7
Methoxychlor	6.612	6.515	6.715	48.280	50.000	-3.4
Tetrachloro-m-xylene	2.774	2.678	2.878	51.250	50.000	2.5

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

Continuing Calib Date: 11/22/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 10:03 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	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

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

Continuing Calib Date: 11/22/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 10:03 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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	6.62	6.62	6.52	6.72	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

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

Client Sample No.: CCAL03 **Date Analyzed:** 11/22/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093215.D **Time Analyzed:** 10:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.062	8.954	9.154	44.180	50.000	-11.6
Endrin	6.575	6.474	6.674	42.370	50.000	-15.3
gamma-BHC (Lindane)	4.327	4.228	4.428	48.930	50.000	-2.1
Heptachlor	4.916	4.817	5.017	46.560	50.000	-6.9
Heptachlor epoxide	5.685	5.584	5.784	46.450	50.000	-7.1
Methoxychlor	7.503	7.399	7.599	41.130	50.000	-17.7
Tetrachloro-m-xylene	3.538	3.440	3.640	49.870	50.000	-0.3

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

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

Client Sample No.: CCAL03 **Date Analyzed:** 11/22/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093215.D **Time Analyzed:** 10:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.917	7.816	8.016	49.590	50.000	-0.8
Endrin	5.640	5.541	5.741	49.080	50.000	-1.8
gamma-BHC (Lindane)	3.608	3.511	3.711	51.140	50.000	2.3
Heptachlor	3.947	3.849	4.049	49.890	50.000	-0.2
Heptachlor epoxide	4.730	4.632	4.832	51.160	50.000	2.3
Methoxychlor	6.615	6.515	6.715	47.330	50.000	-5.3
Tetrachloro-m-xylene	2.775	2.678	2.878	49.800	50.000	-0.4

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

Continuing Calib Date: 11/22/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 16:14 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	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

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

Continuing Calib Date: 11/22/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 16:14 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.77	2.78	2.68	2.88	0.01
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

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

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

Client Sample No.: CCAL04 **Date Analyzed:** 11/22/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093228.D **Time Analyzed:** 16:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.063	8.954	9.154	43.200	50.000	-13.6
Endrin	6.575	6.474	6.674	47.400	50.000	-5.2
gamma-BHC (Lindane)	4.328	4.228	4.428	50.720	50.000	1.4
Heptachlor	4.917	4.817	5.017	49.570	50.000	-0.9
Heptachlor epoxide	5.684	5.584	5.784	47.450	50.000	-5.1
Methoxychlor	7.504	7.399	7.599	45.380	50.000	-9.2
Tetrachloro-m-xylene	3.539	3.440	3.640	50.980	50.000	2.0

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

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

Client Sample No.: CCAL04 **Date Analyzed:** 11/22/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093228.D **Time Analyzed:** 16:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.917	7.816	8.016	49.440	50.000	-1.1
Endrin	5.639	5.541	5.741	54.970	50.000	9.9
gamma-BHC (Lindane)	3.607	3.511	3.711	52.030	50.000	4.1
Heptachlor	3.946	3.849	4.049	52.950	50.000	5.9
Heptachlor epoxide	4.729	4.632	4.832	53.710	50.000	7.4
Methoxychlor	6.614	6.515	6.715	53.380	50.000	6.8
Tetrachloro-m-xylene	2.774	2.678	2.878	50.510	50.000	1.0

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

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 FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
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 FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
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

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

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

Client Sample No. (PEM): PEM - PL093192.D **Date Analyzed:** 11/21/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:38

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.960	9.160	19.070	20.000	-4.7
Tetrachloro-m-xylene	3.537	3.490	3.590	22.160	20.000	10.8
alpha-BHC	3.993	3.940	4.040	11.320	10.000	13.2
beta-BHC	4.524	4.470	4.570	11.310	10.000	13.1
gamma-BHC (Lindane)	4.325	4.270	4.380	11.050	10.000	10.5
Endrin	6.574	6.500	6.640	42.510	50.000	-15.0
4,4'-DDT	7.024	6.950	7.090	86.170	100.000	-13.8
Methoxychlor	7.501	7.430	7.570	198.410	250.000	-20.6

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

Client Sample No. (PEM): PEM - PL093192.D **Date Analyzed:** 11/21/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:38

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.915	7.810	8.020	21.550	20.000	7.8
Tetrachloro-m-xylene	2.774	2.720	2.820	21.310	20.000	6.6
alpha-BHC	3.277	3.230	3.330	10.230	10.000	2.3
beta-BHC	3.907	3.860	3.960	11.220	10.000	12.2
gamma-BHC (Lindane)	3.607	3.560	3.660	9.850	10.000	-1.5
Endrin	5.639	5.570	5.710	49.050	50.000	-1.9
4,4'-DDT	6.038	5.970	6.110	105.860	100.000	5.9
Methoxychlor	6.613	6.540	6.680	241.900	250.000	-3.2

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

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

Client Sample No. (PEM): PEM - PL093214.D **Date Analyzed:** 11/22/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:37

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.061	8.960	9.160	21.190	20.000	6.0
Tetrachloro-m-xylene	3.538	3.490	3.590	23.950	20.000	19.8
alpha-BHC	3.994	3.940	4.040	12.240	10.000	22.4
beta-BHC	4.525	4.470	4.580	12.340	10.000	23.4
gamma-BHC (Lindane)	4.326	4.280	4.380	11.780	10.000	17.8
Endrin	6.575	6.500	6.650	45.110	50.000	-9.8
4,4'-DDT	7.027	6.960	7.100	91.460	100.000	-8.5
Methoxychlor	7.504	7.430	7.570	211.050	250.000	-15.6

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

Client Sample No. (PEM): PEM - PL093214.D **Date Analyzed:** 11/22/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:37

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	23.580	20.000	17.9
Tetrachloro-m-xylene	2.775	2.720	2.830	23.170	20.000	15.9
alpha-BHC	3.278	3.230	3.330	11.220	10.000	12.2
beta-BHC	3.908	3.860	3.960	12.300	10.000	23.0
gamma-BHC (Lindane)	3.608	3.560	3.660	10.820	10.000	8.2
Endrin	5.640	5.570	5.710	54.270	50.000	8.5
4,4'-DDT	6.039	5.970	6.110	116.040	100.000	16.0
Methoxychlor	6.615	6.540	6.690	262.500	250.000	5.0

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Fax : 908 789 8922

Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** P4892

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 #
I.BLK	I.BLK	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
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	9.05	3.54
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	9.05	3.54
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	9.05	3.54
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	9.05	3.54
PSTDICC005	PSTDICC005	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
I.BLK	I.BLK	11/21/2024	09:25	PL093191.D	9.06	3.54
PEM	PEM	11/21/2024	09:38	PL093192.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/21/2024	09:51	PL093193.D	9.06	3.54
PB165164BL	PB165164BL	11/21/2024	10:35	PL093195.D	9.06	3.54
PB165164BS	PB165164BS	11/21/2024	10:48	PL093196.D	9.06	3.54
PB165060TB	PB165060TB	11/21/2024	11:02	PL093197.D	9.06	3.54
WB-310-BOTMS	P4892-03MS	11/21/2024	11:41	PL093200.D	9.06	3.54
WB-310-BOTMSD	P4892-03MSD	11/21/2024	11:54	PL093201.D	9.06	3.54
I.BLK	I.BLK	11/21/2024	14:53	PL093210.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/21/2024	15:07	PL093211.D	9.06	3.54
I.BLK	I.BLK	11/22/2024	09:24	PL093213.D	9.07	3.54
PEM	PEM	11/22/2024	09:37	PL093214.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/22/2024	10:03	PL093215.D	9.06	3.54
WB-310-BOT	P4892-03	11/22/2024	10:27	PL093216.D	9.07	3.55
I.BLK	I.BLK	11/22/2024	15:46	PL093227.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/22/2024	16:14	PL093228.D	9.06	3.54

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Fax : 908 789 8922

Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** P4892

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 #
I.BLK	I.BLK	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
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	7.92	2.78
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	7.92	2.78
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	7.92	2.78
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	7.92	2.78
PSTDICC005	PSTDICC005	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
I.BLK	I.BLK	11/21/2024	09:25	PL093191.D	7.92	2.78
PEM	PEM	11/21/2024	09:38	PL093192.D	7.92	2.77
PSTDCCC050	PSTDCCC050	11/21/2024	09:51	PL093193.D	7.92	2.77
PB165164BL	PB165164BL	11/21/2024	10:35	PL093195.D	7.92	2.77
PB165164BS	PB165164BS	11/21/2024	10:48	PL093196.D	7.92	2.77
PB165060TB	PB165060TB	11/21/2024	11:02	PL093197.D	7.91	2.77
WB-310-BOTMS	P4892-03MS	11/21/2024	11:41	PL093200.D	7.91	2.77
WB-310-BOTMSD	P4892-03MSD	11/21/2024	11:54	PL093201.D	7.91	2.77
I.BLK	I.BLK	11/21/2024	14:53	PL093210.D	7.92	2.77
PSTDCCC050	PSTDCCC050	11/21/2024	15:07	PL093211.D	7.91	2.77
I.BLK	I.BLK	11/22/2024	09:24	PL093213.D	7.92	2.78
PEM	PEM	11/22/2024	09:37	PL093214.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/22/2024	10:03	PL093215.D	7.92	2.78
WB-310-BOT	P4892-03	11/22/2024	10:27	PL093216.D	7.92	2.78
I.BLK	I.BLK	11/22/2024	15:46	PL093227.D	7.92	2.77
PSTDCCC050	PSTDCCC050	11/22/2024	16:14	PL093228.D	7.92	2.77

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB165164BS

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

Lab Sample ID: PB165164BS **Date(s) Analyzed:** 11/21/2024 11/21/2024

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.50	7.45	7.55	0.43	14
	2	6.61	6.56	6.66	0.50	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.48	4.1
	2	3.61	3.56	3.66	0.50	
Heptachlor	1	4.91	4.86	4.96	0.49	6.3
	2	3.95	3.90	4.00	0.52	
Heptachlor epoxide	1	5.68	5.63	5.73	0.47	11.6
	2	4.73	4.68	4.78	0.53	
Endrin	1	6.57	6.52	6.62	0.42	16.5
	2	5.64	5.59	5.69	0.49	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WB-310-BOTMS

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

Lab Sample ID: P4892-03MS **Date(s) Analyzed:** 11/21/2024 11/21/2024

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.50	7.45	7.55	4.70	13.9
	2	6.61	6.56	6.66	5.40	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	5.00	7.7
	2	3.61	3.56	3.66	5.40	
Heptachlor	1	4.91	4.86	4.96	5.10	7.5
	2	3.95	3.90	4.00	5.50	
Heptachlor epoxide	1	5.68	5.63	5.73	5.00	11.3
	2	4.73	4.68	4.78	5.60	
Endrin	1	6.57	6.52	6.62	4.80	17.1
	2	5.64	5.59	5.69	5.70	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WB-310-BOTMSD

Contract: PORT06

Lab Code: CHEM **Case No.:** P4892 **SAS No.:** P4892 **SDG NO.:** P4892

Lab Sample ID: P4892-03MSD **Date(s) Analyzed:** 11/21/2024 11/21/2024

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.50	7.45	7.55	4.60	14.1
	2	6.61	6.56	6.66	5.30	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	5.00	5.8
	2	3.61	3.56	3.66	5.30	
Heptachlor	1	4.91	4.86	4.96	5.10	5.7
	2	3.95	3.90	4.00	5.40	
Heptachlor epoxide	1	5.68	5.63	5.73	5.00	9.5
	2	4.73	4.68	4.78	5.50	
Endrin	1	6.57	6.52	6.62	4.80	17.1
	2	5.64	5.59	5.69	5.70	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112224\
Data File : PL093216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Nov 2024 10:27
Operator : AR\AJ
Sample : P4892-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WB-310-BOT

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 22 21:21:07 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...	3.545	2.775	53751504	60811393	21.937	22.348
28)	SA Decachlor...	9.070	7.921	35370859	56258981	18.379	20.613
	Target Compounds						

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

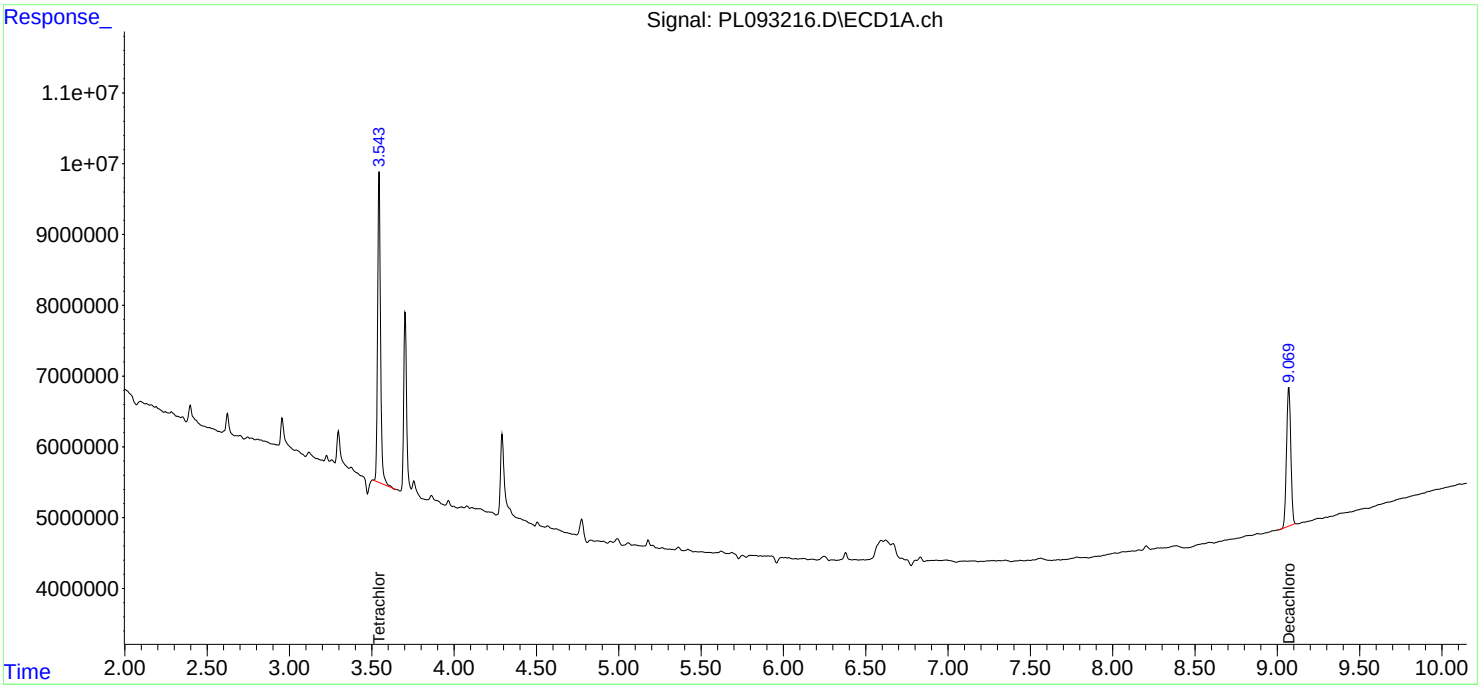
Sample Results: **PL093216.D**

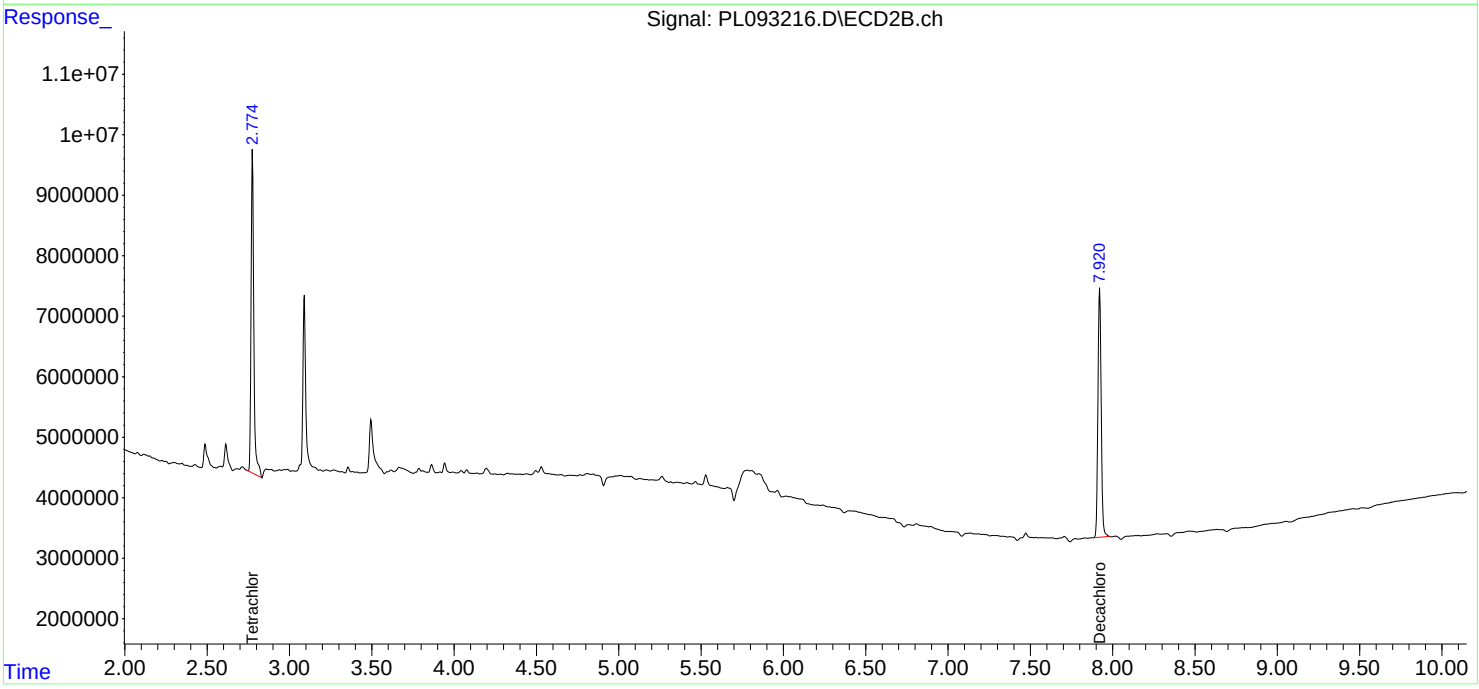
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112224\
Data File : PL093216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Nov 2024 10:27
Operator : AR\AJ
Sample : P4892-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

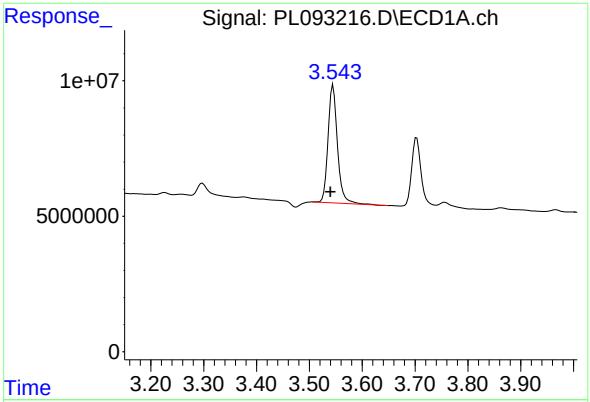
Instrument :
ECD_L
ClientSampleId :
WB-310-BOT

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 22 21:21:07 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



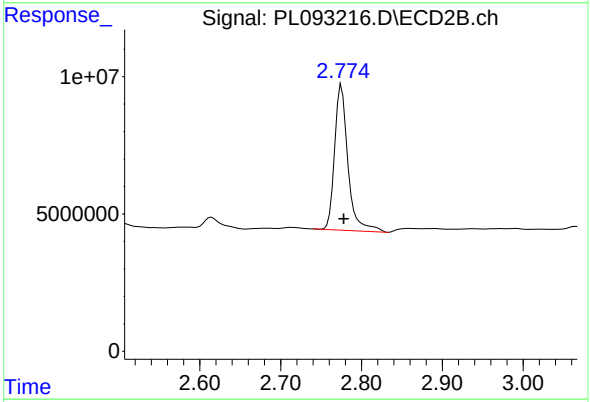




#1 Tetrachloro-m-xylene

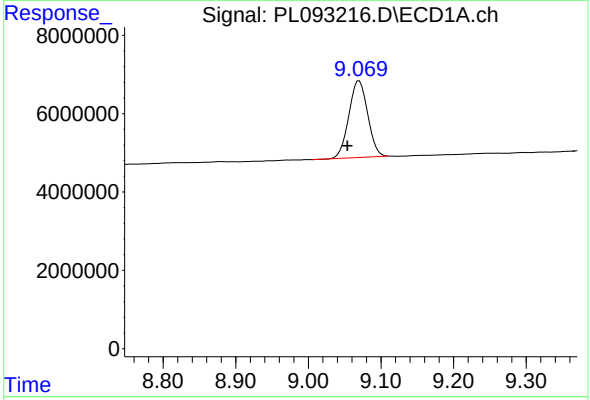
R.T.: 3.545 min
Delta R.T.: 0.005 min
Response: 53751504
Conc: 21.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
WB-310-BOT



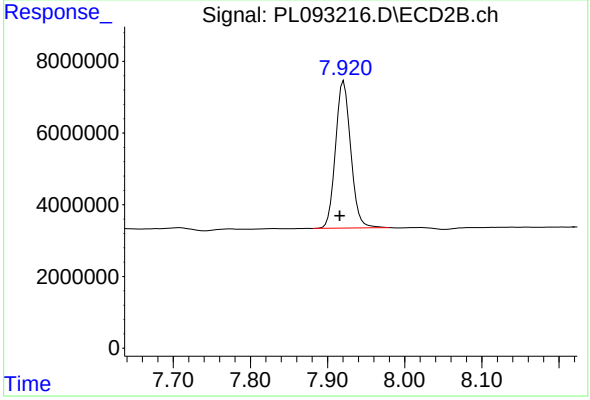
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: -0.002 min
Response: 60811393
Conc: 22.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.016 min
Response: 35370859
Conc: 18.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.921 min
Delta R.T.: 0.005 min
Response: 56258981
Conc: 20.61 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112124\
Data File : PL093197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2024 11:02
Operator : AR\AJ
Sample : PB165060TB
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB165060TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 23:32:17 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...	3.536	2.774	51579699	53165883	21.051	19.538
28)	SA Decachlor...	9.056	7.914	38506083	60007031	20.008	21.987
	Target Compounds						

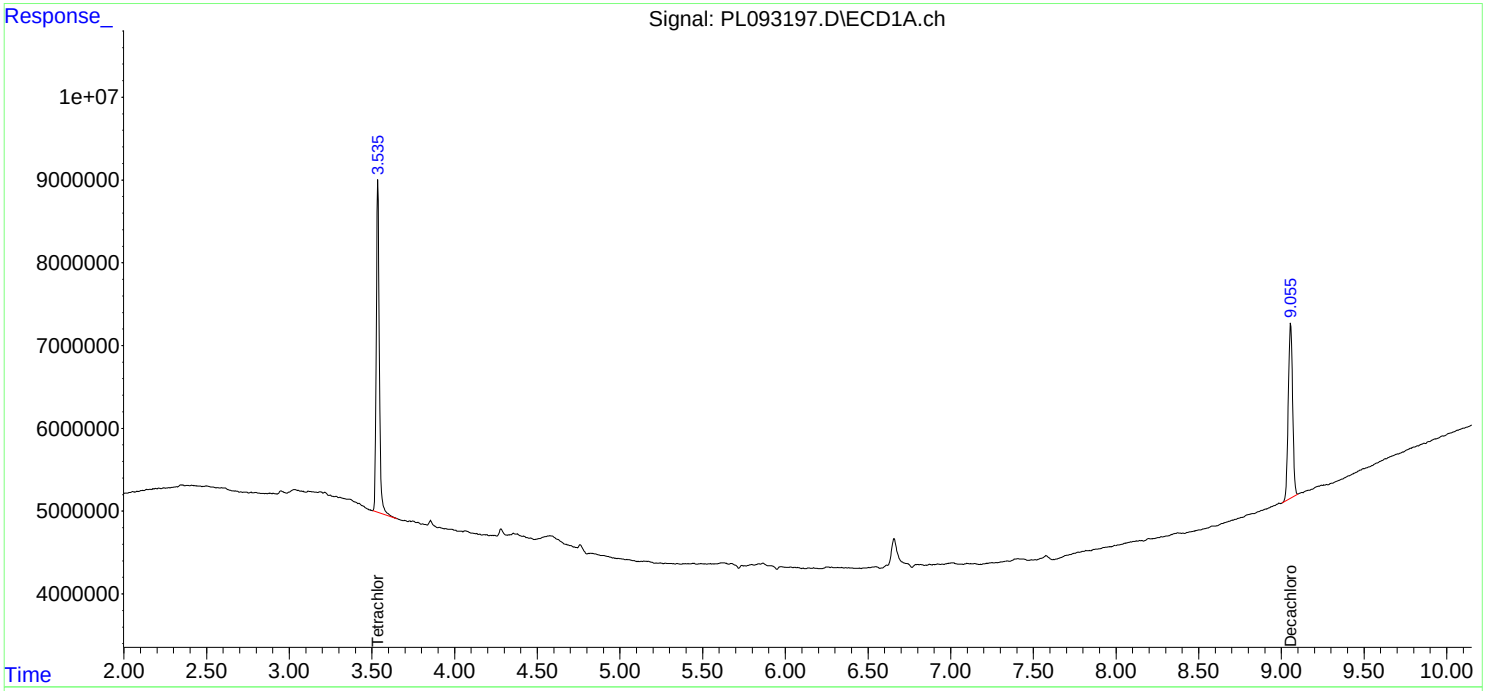
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

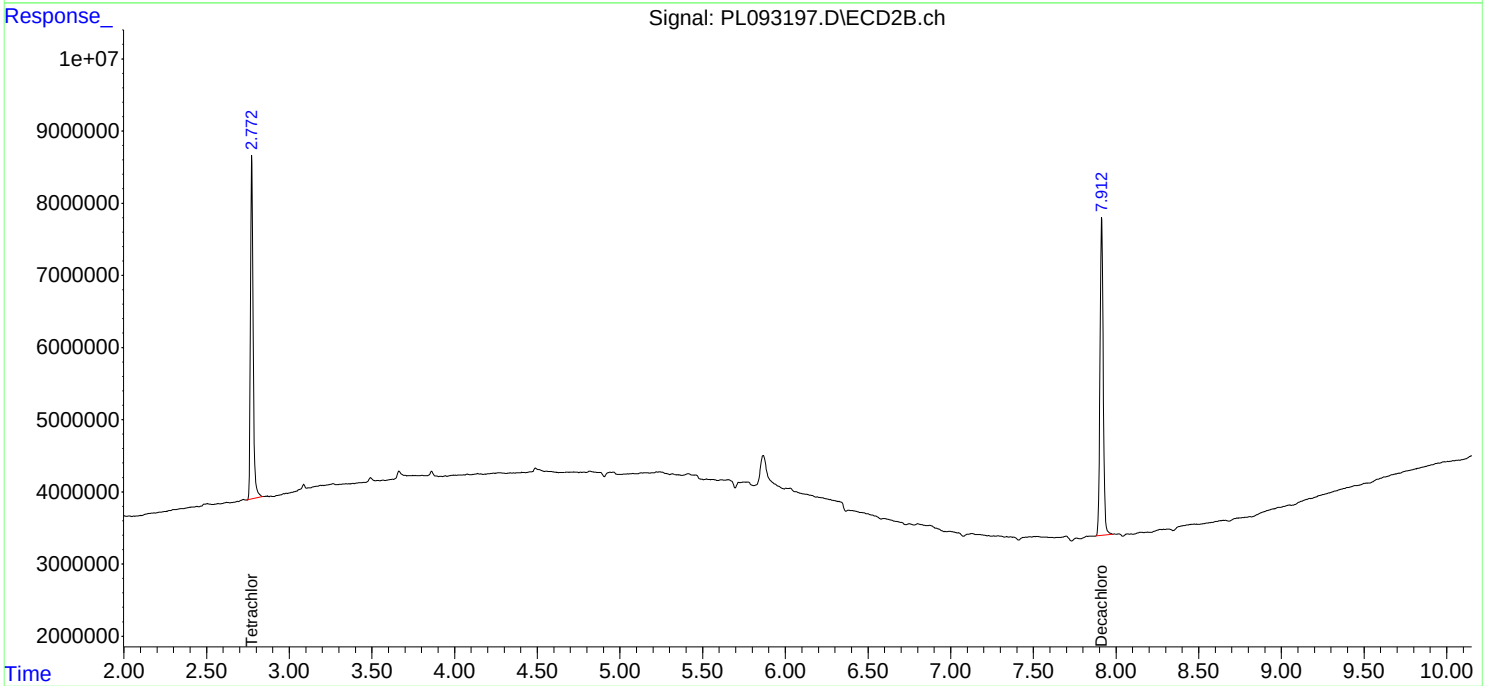
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112124\
Data File : PL093197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2024 11:02
Operator : AR\AJ
Sample : PB165060TB
Misc :
ALS Vial : 8 Sample Multiplier: 1

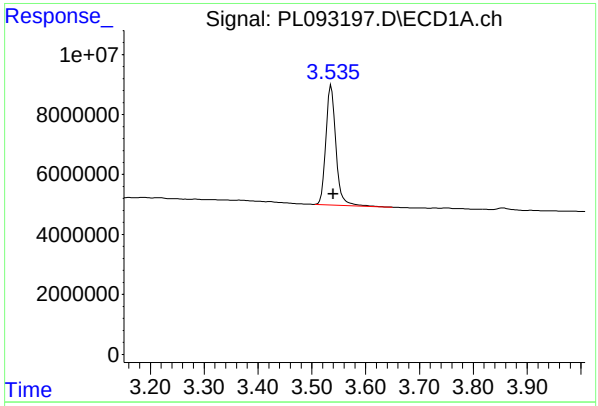
Instrument :
ECD_L
ClientSampleId :
PB165060TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 23:32:17 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



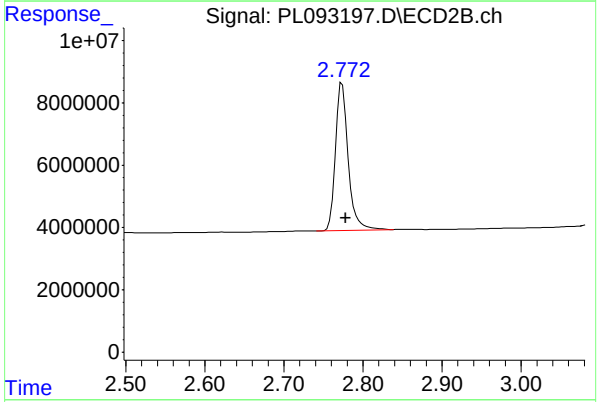




#1 Tetrachloro-m-xylene

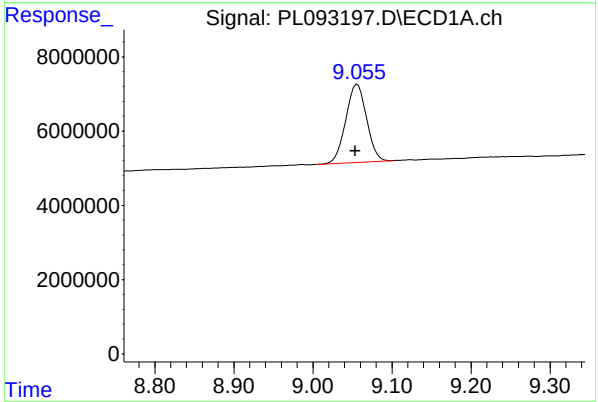
R.T.: 3.536 min
Delta R.T.: -0.004 min
Response: 51579699
Conc: 21.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165060TB



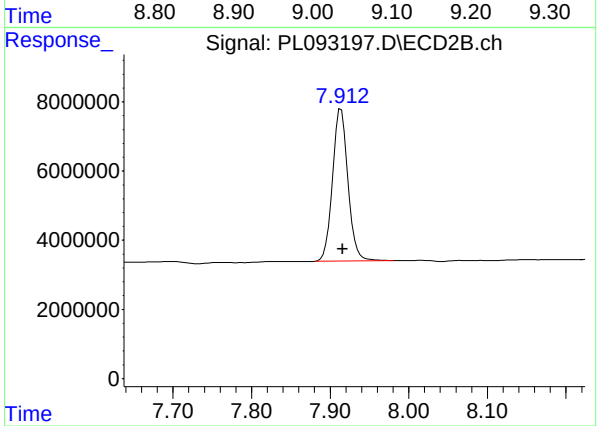
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: -0.004 min
Response: 53165883
Conc: 19.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.002 min
Response: 38506083
Conc: 20.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.914 min
Delta R.T.: -0.002 min
Response: 60007031
Conc: 21.99 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112124\
Data File : PL093195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2024 10:35
Operator : AR\AJ
Sample : PB165164BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB165164BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 23:30:27 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...	3.537	2.774	50580812	53181223	20.643	19.544
28)	SA Decachlor...	9.058	7.915	37017425	59811418	19.234	21.915
	Target Compounds						

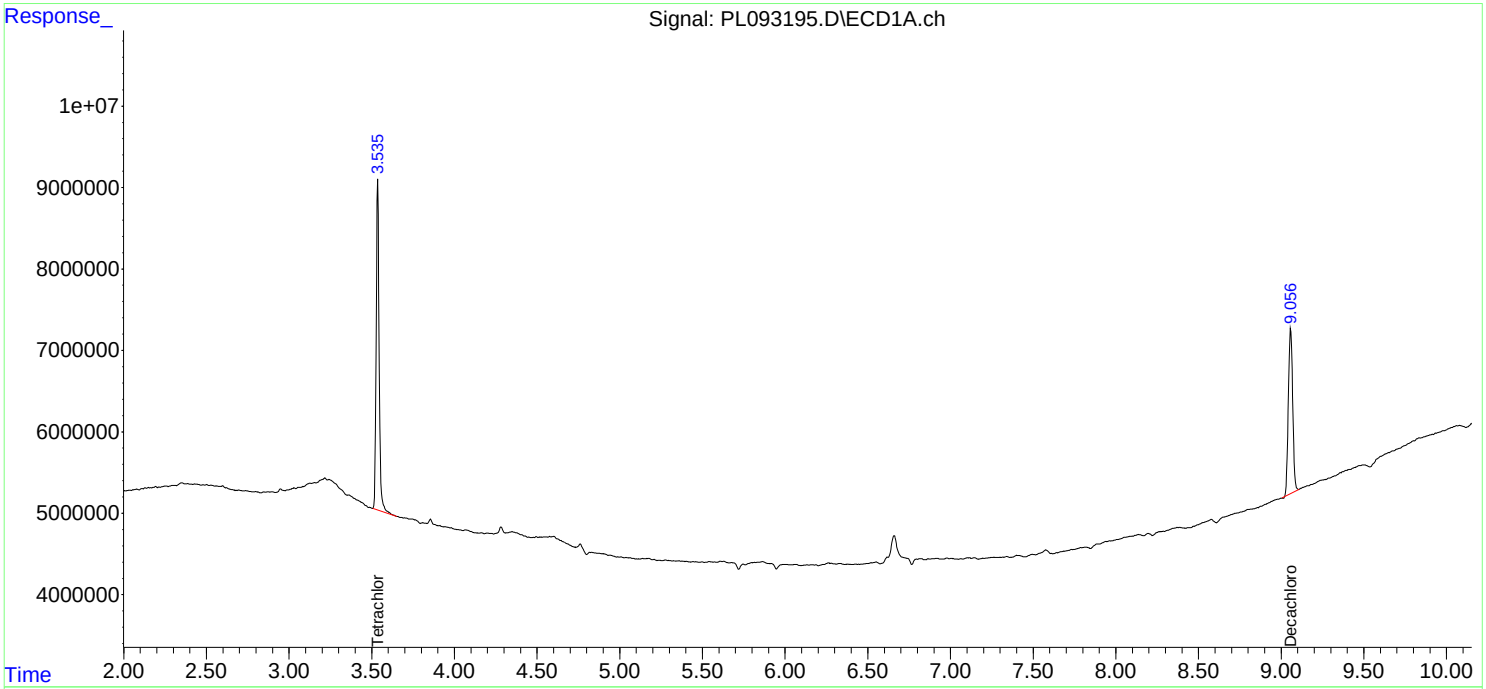
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

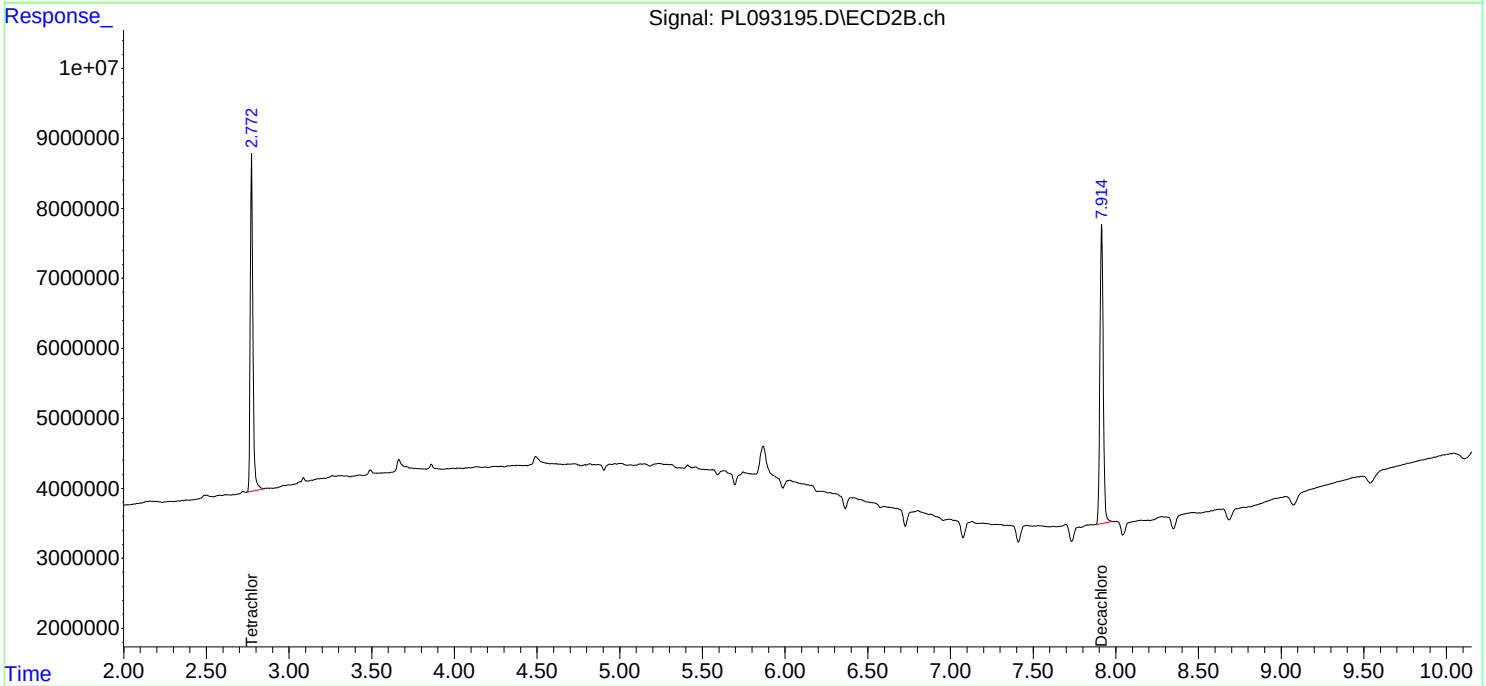
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112124\
Data File : PL093195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2024 10:35
Operator : AR\AJ
Sample : PB165164BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

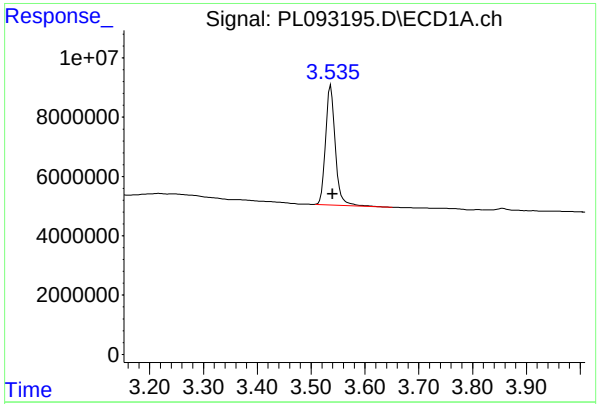
Instrument :
ECD_L
ClientSampleId :
PB165164BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 23:30:27 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



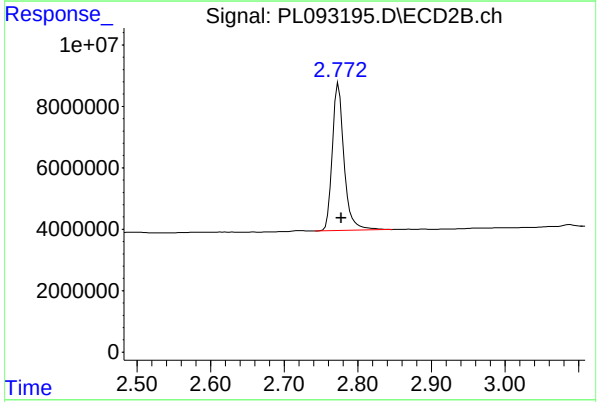




#1 Tetrachloro-m-xylene

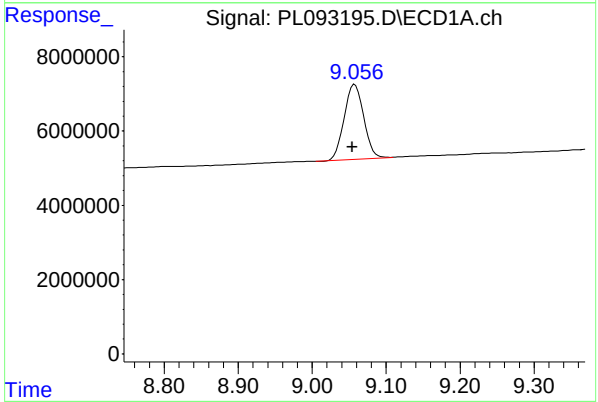
R.T.: 3.537 min
Delta R.T.: -0.003 mi
Response: 50580812
Conc: 20.64 ng/m

Instrument :
ECD_L
ClientSampleId :
PB165164BL



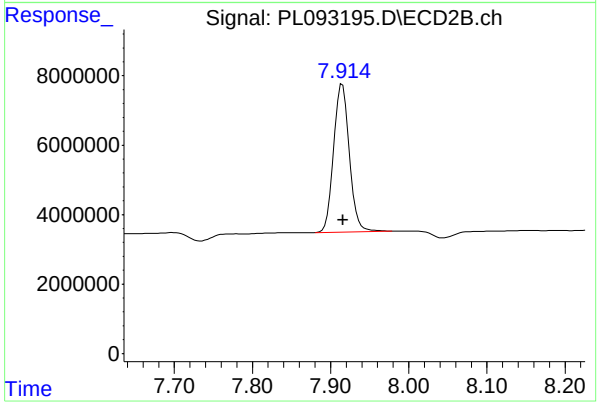
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: -0.004 min
Response: 53181223
Conc: 19.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.004 min
Response: 37017425
Conc: 19.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: 0.000 min
Response: 59811418
Conc: 21.92 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112124\
Data File : PL093196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2024 10:48
Operator : AR\AJ
Sample : PB165164BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB165164BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :Ankita Jodhani 11/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 23:31:16 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...	3.536	2.774	51536957	52101821	21.033	19.147
28)	SA	Decachlor...	9.056	7.915	38265125	59341842	19.883	21.743
		Target Compounds						
2)	A	alpha-BHC	3.993	3.277	167.3E6	201.3E6	49.321	50.453
3)	MA	gamma-BHC...	4.326	3.607	156.7E6	193.3E6	48.084	50.090
4)	MA	Heptachlor	4.914	3.946	146.6E6	196.3E6	48.811	52.014
5)	MB	Aldrin	5.255	4.226	140.7E6	188.6E6	46.891m	51.526
6)	B	beta-BHC	4.524	3.907	71956913	85705144	49.781	52.061
7)	B	delta-BHC	4.771	4.136	126.8E6	162.0E6	40.508	42.149
8)	B	Heptachlo...	5.683	4.728	130.6E6	177.4E6	47.278	53.105
9)	A	Endosulfan I	6.069	5.099	121.2E6	168.3E6	48.461	55.132
10)	B	gamma-Chl...	5.939	4.979	130.1E6	185.3E6	48.902	55.109
11)	B	alpha-Chl...	6.018	5.043	129.3E6	181.7E6	48.843	54.636
12)	B	4,4'-DDE	6.192	5.231	118.7E6	181.1E6	50.112	56.208
13)	MA	Dieldrin	6.344	5.363	128.4E6	184.7E6	48.713	55.297
14)	MA	Endrin	6.574	5.639	95140246	142.7E6	41.789	49.317
15)	B	Endosulfa...	6.794	5.934	113.0E6	162.0E6	47.420	57.184
16)	A	4,4'-DDD	6.710	5.787	97876341	149.7E6	50.990	60.102
17)	MA	4,4'-DDT	7.024	6.037	95634392	135.0E6	46.206	50.335
18)	B	Endrin al...	6.924	6.113	93811467	131.2E6	49.954	56.883
19)	B	Endosulfa...	7.159	6.337	100.8E6	144.9E6	46.429	53.719
20)	A	Methoxychlor	7.500	6.613	49326996	71054973	43.269	49.757
21)	B	Endrin ke...	7.644	6.842	121.8E6	182.5E6	50.259	59.485
22)		Mirex	8.118	7.023	86775468	129.7E6	43.788	49.715

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

Sample Results: **PL093196.D**

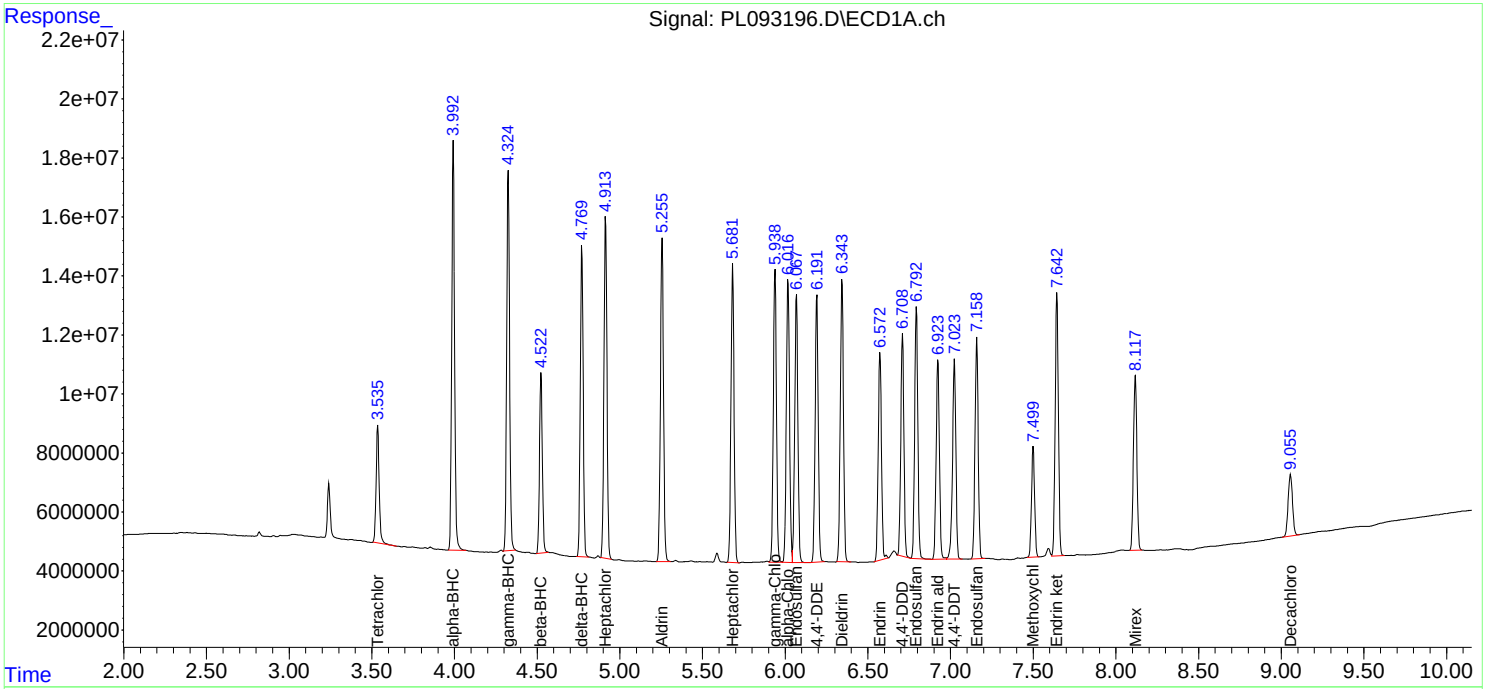
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112124\
Data File : PL093196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2024 10:48
Operator : AR\AJ
Sample : PB165164BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

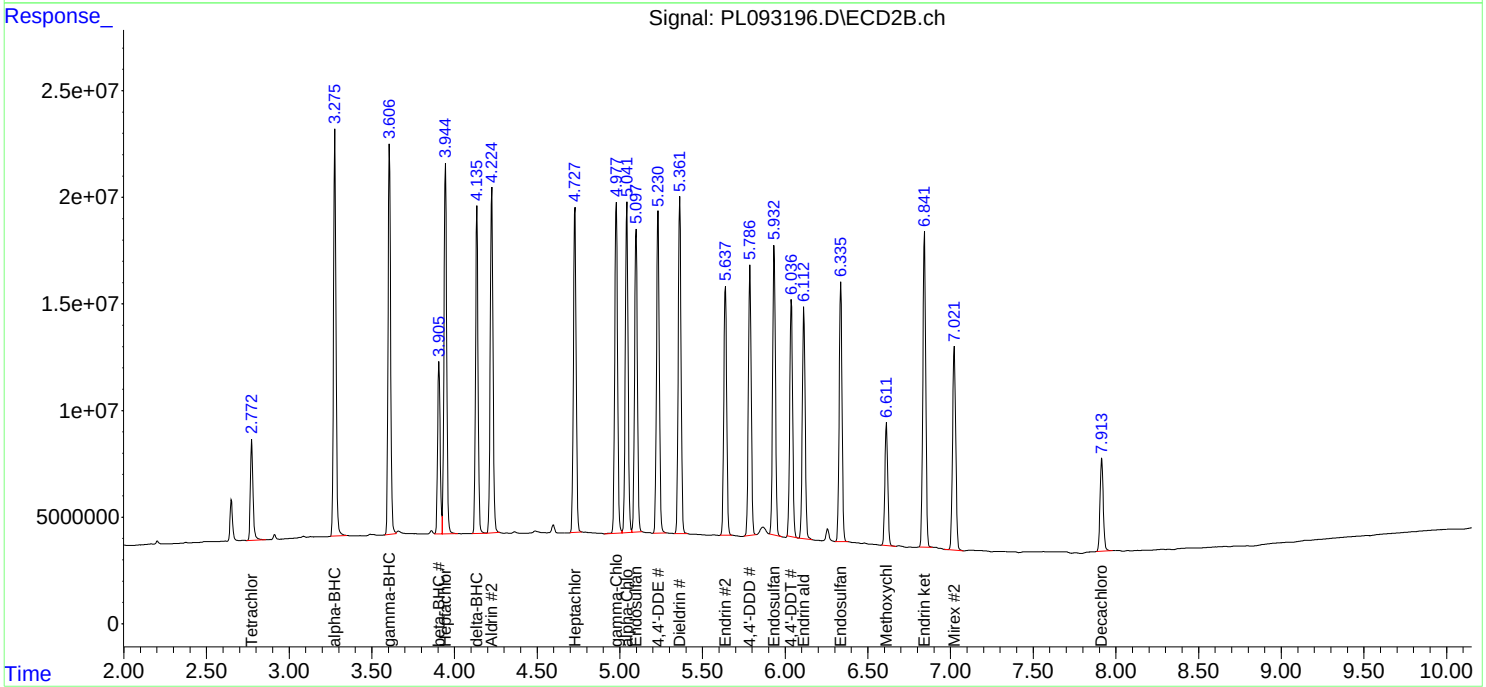
Instrument :
ECD_L
ClientSampleId :
PB165164BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :Ankita Jodhani 11/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 23:31:16 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\PL112124\
Data File : PL093200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2024 11:41
Operator : AR\AJ
Sample : P4892-03MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WB-310-BOTMS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :Ankita Jodhani 11/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 23:35:02 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...	3.536	2.773	49750651	49942483	20.304	18.353m
28)	SA Decachlor...	9.055	7.914	35238679	56205113	18.310	20.594
	Target Compounds						
2)	A alpha-BHC	3.993	3.277	177.1E6	215.7E6	52.211	54.055
3)	MA gamma-BHC...	4.324	3.607	162.6E6	207.2E6	49.869m	53.679
4)	MA Heptachlor	4.914	3.946	152.2E6	206.3E6	50.680	54.672
5)	MB Aldrin	5.255	4.225	144.6E6	197.9E6	48.173m	54.080
6)	B beta-BHC	4.523	3.907	73919864	90623219	51.139	55.048
7)	B delta-BHC	4.770	4.136	148.3E6	172.4E6	47.391	44.869
8)	B Heptachlo...	5.682	4.728	138.3E6	185.7E6	50.081	55.578
9)	A Endosulfan I	6.068	5.098	127.4E6	177.7E6	50.924	58.217
10)	B gamma-Chl...	5.938	4.979	134.6E6	201.8E6	50.608	60.018
11)	B alpha-Chl...	6.017	5.042	135.6E6	193.1E6	51.206	58.059
12)	B 4,4'-DDE	6.191	5.231	125.2E6	190.6E6	52.834	59.150
13)	MA Dieldrin	6.343	5.363	135.9E6	194.2E6	51.577	58.132
14)	MA Endrin	6.573	5.638	108.5E6	165.5E6	47.653	57.214
15)	B Endosulfa...	6.793	5.933	119.9E6	171.9E6	50.303	60.671
16)	A 4,4'-DDD	6.709	5.787	103.0E6	155.8E6	53.639	62.561
17)	MA 4,4'-DDT	7.023	6.037	104.8E6	149.0E6	50.627	55.540
18)	B Endrin al...	6.923	6.112	95294159	131.3E6	50.743	56.928
19)	B Endosulfa...	7.158	6.335	106.2E6	154.4E6	48.934	57.259
20)	A Methoxychlor	7.500	6.612	54129506	76928367	47.482	53.870
21)	B Endrin ke...	7.643	6.841	126.5E6	185.4E6	52.198	60.424
22)	Mirex	8.117	7.022	90981032	139.1E6	45.911	53.323

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112124\
Data File : PL093200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2024 11:41
Operator : AR\AJ
Sample : P4892-03MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

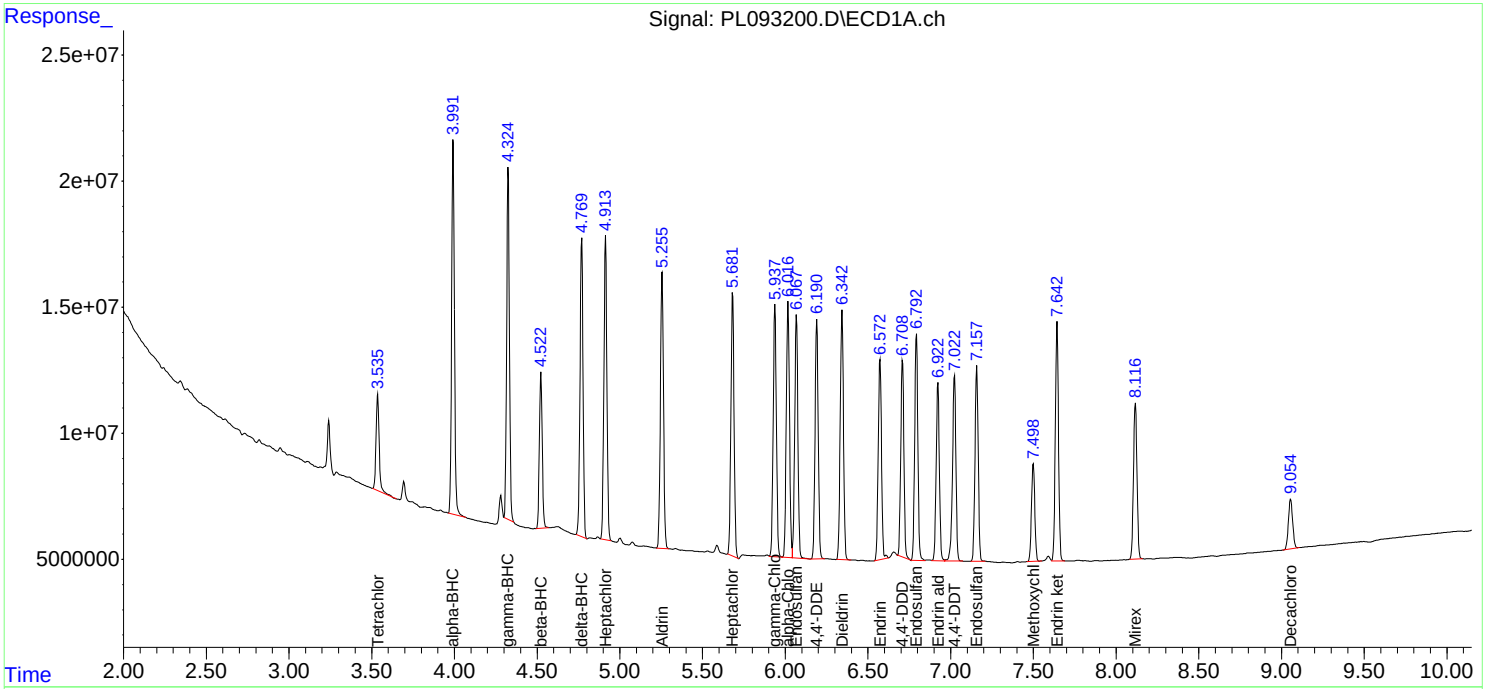
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 23:35:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

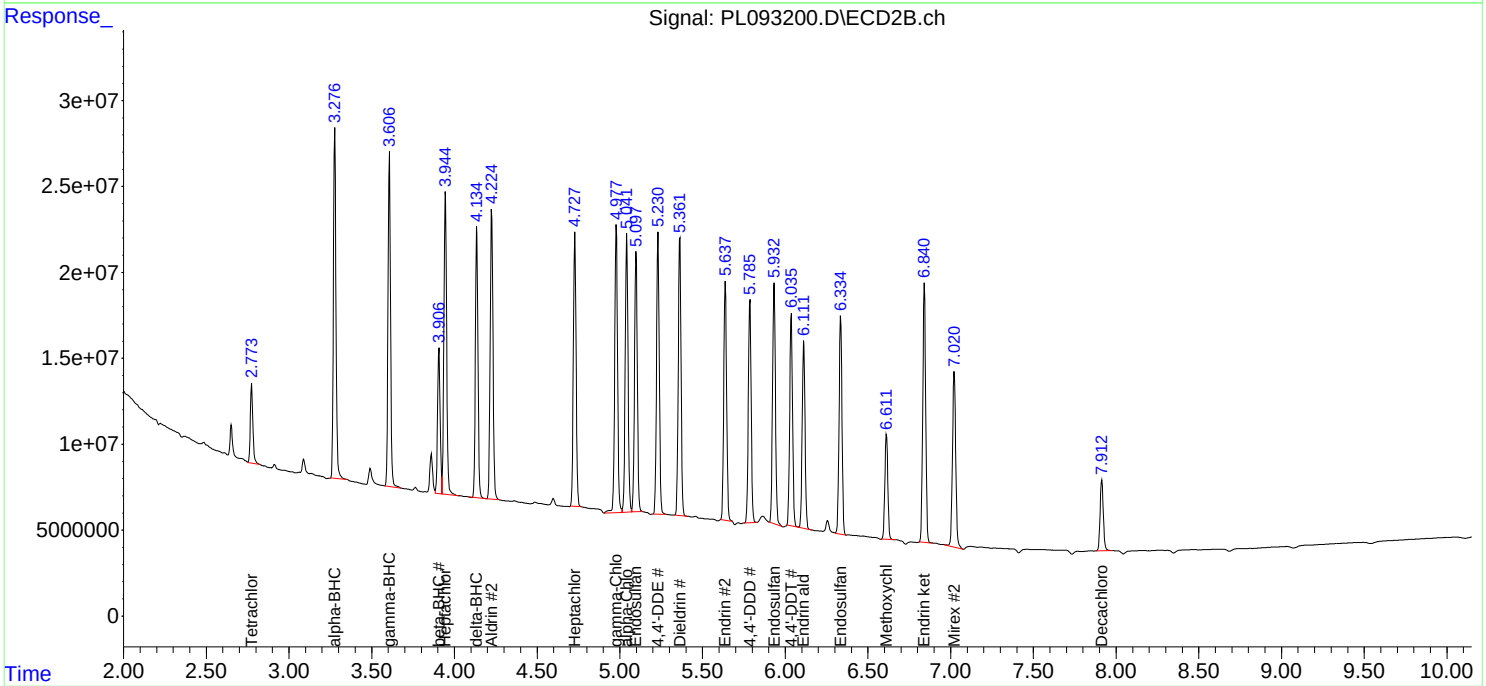
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

Instrument :
ECD_L
ClientSampleId :
WB-310-BOTMS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :Ankita Jodhani 11/22/2024





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112124\
Data File : PL093201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2024 11:54
Operator : AR\AJ
Sample : P4892-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WB-310-BOTMSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :Ankita Jodhani 11/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 23:36:04 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...	3.536	2.774	48585163	49229769	19.829	18.091
28) SA	Decachlor...	9.056	7.914	35516318	55620315	18.454	20.379
	Target Compounds						
2) A	alpha-BHC	3.992	3.277	177.8E6	213.4E6	52.424	53.476
3) MA	gamma-BHC...	4.323	3.607	163.8E6	205.6E6	50.240m	53.276
4) MA	Heptachlor	4.913	3.945	152.6E6	203.6E6	50.818	53.937
5) MB	Aldrin	5.254	4.225	145.0E6	196.5E6	48.308m	53.697
6) B	beta-BHC	4.523	3.907	74086122	89185379	51.254	54.175
7) B	delta-BHC	4.770	4.135	147.8E6	172.3E6	47.227	44.836
8) B	Heptachlo...	5.682	4.728	137.9E6	184.6E6	49.933	55.249
9) A	Endosulfan I	6.068	5.098	126.8E6	175.9E6	50.709	57.614
10) B	gamma-Chl...	5.938	4.978	135.3E6	195.4E6	50.835	58.112
11) B	alpha-Chl...	6.018	5.042	135.1E6	190.8E6	51.004	57.373
12) B	4,4'-DDE	6.191	5.231	124.3E6	189.0E6	52.462	58.659
13) MA	Dieldrin	6.343	5.363	135.2E6	193.7E6	51.299	57.983
14) MA	Endrin	6.573	5.638	108.3E6	163.6E6	47.565	56.552
15) B	Endosulfa...	6.793	5.933	118.7E6	170.1E6	49.779	60.037
16) A	4,4'-DDD	6.709	5.786	101.8E6	154.8E6	53.050	62.159
17) MA	4,4'-DDT	7.023	6.037	103.3E6	147.0E6	49.923	54.794
18) B	Endrin al...	6.923	6.113	94313867	131.6E6	50.221	57.048
19) B	Endosulfa...	7.158	6.336	105.6E6	151.5E6	48.662	56.192
20) A	Methoxychlor	7.500	6.612	52925633	75375961	46.426	52.783
21) B	Endrin ke...	7.643	6.841	125.2E6	184.7E6	51.679	60.195
22)	Mirex	8.117	7.022	90240941	134.5E6	45.537	51.565

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

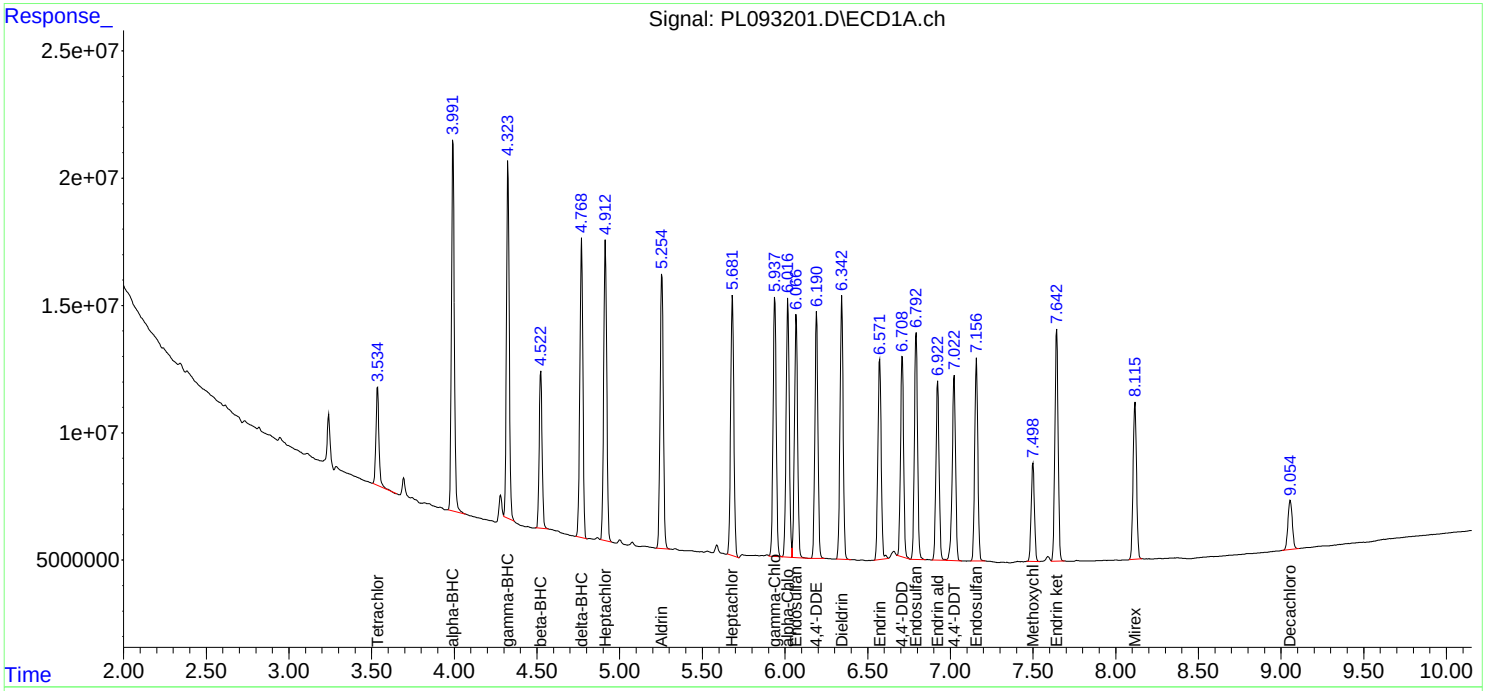
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112124\
Data File : PL093201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2024 11:54
Operator : AR\AJ
Sample : P4892-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

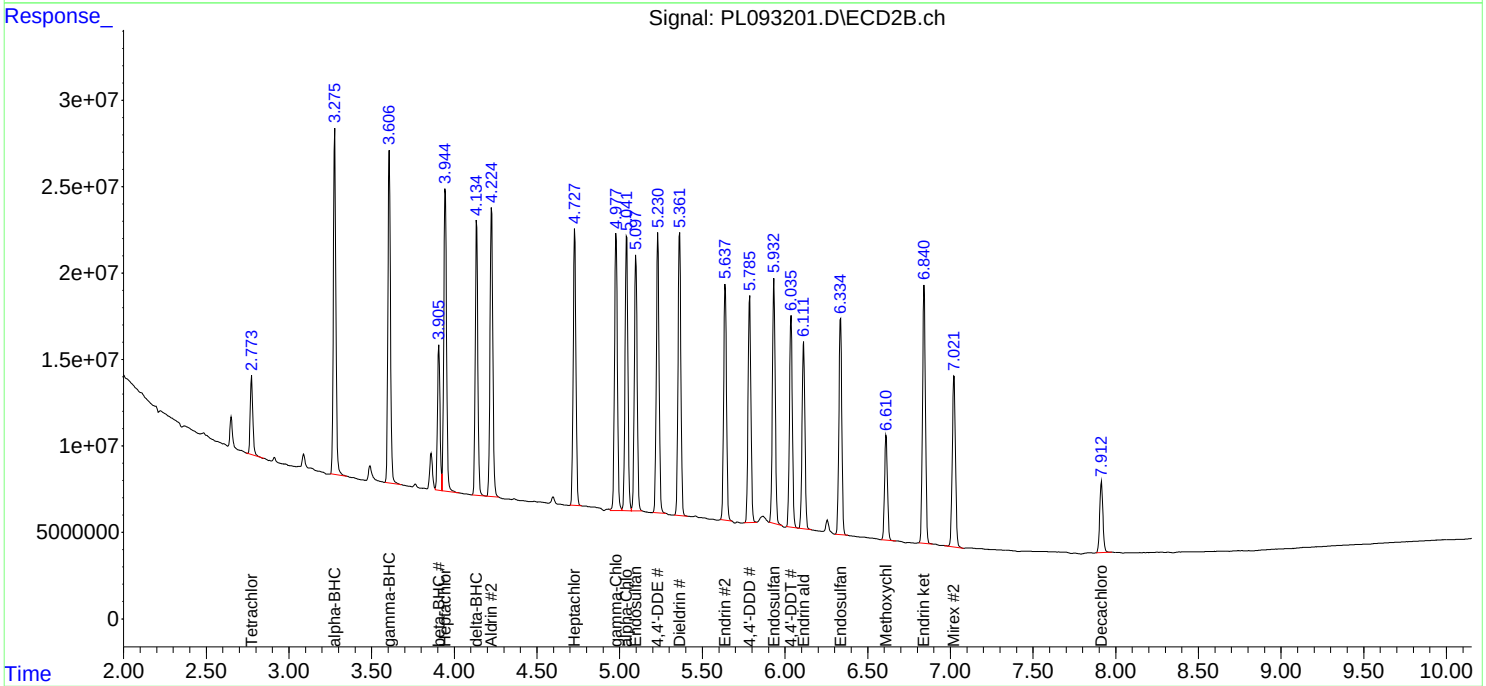
Instrument :
ECD_L
ClientSampleId :
WB-310-BOTMSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :Ankita Jodhani 11/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 21 23:36:04 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





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

Manual Integration Report

Sequence:	PL102824	Instrument	ECD_I

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

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

Manual Integration Report

Sequence:	PL102824	Instrument	ECD_I

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

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Manual Integration Report

Sequence:	PL112124	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093192.D	4,4"-DDD	yogesh	11/22/2024 8:47:46 AM	Ankita	11/22/2024 11:29:15	Peak Integrated by Software
PEM	PL093192.D	4,4"-DDE	yogesh	11/22/2024 8:47:46 AM	Ankita	11/22/2024 11:29:15	Peak Integrated by Software
PEM	PL093192.D	Endrin aldehyde	yogesh	11/22/2024 8:47:46 AM	Ankita	11/22/2024 11:29:15	Peak Integrated by Software
PEM	PL093192.D	Endrin aldehyde #2	yogesh	11/22/2024 8:47:46 AM	Ankita	11/22/2024 11:29:15	Peak Integrated by Software
PEM	PL093192.D	gamma-BHC (Lindane)	yogesh	11/22/2024 8:47:46 AM	Ankita	11/22/2024 11:29:15	Peak Integrated by Software
PSTDCCC050	PL093193.D	4,4"-DDD	yogesh	11/22/2024 8:47:49 AM	Ankita	11/22/2024 11:29:16	Peak Integrated by Software
PSTDCCC050	PL093193.D	Aldrin	yogesh	11/22/2024 8:47:49 AM	Ankita	11/22/2024 11:29:16	Peak Integrated by Software
PSTDCCC050	PL093193.D	Endosulfan II #2	yogesh	11/22/2024 8:47:49 AM	Ankita	11/22/2024 11:29:16	Peak Integrated by Software
PSTDCCC050	PL093193.D	Endrin	yogesh	11/22/2024 8:47:49 AM	Ankita	11/22/2024 11:29:16	Peak Integrated by Software
PB165164BS	PL093196.D	Aldrin	yogesh	11/22/2024 8:47:53 AM	Ankita	11/22/2024 11:29:20	Peak Integrated by Software
P4892-03MS	PL093200.D	Aldrin	yogesh	11/22/2024 8:47:58 AM	Ankita	11/22/2024 11:29:23	Peak Integrated by Software
P4892-03MS	PL093200.D	gamma-BHC (Lindane)	yogesh	11/22/2024 8:47:58 AM	Ankita	11/22/2024 11:29:23	Peak Integrated by Software
P4892-03MS	PL093200.D	Tetrachloro-m-xylene #2	yogesh	11/22/2024 8:47:58 AM	Ankita	11/22/2024 11:29:23	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL112124	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4892-03MSD	PL093201.D	Aldrin	yogesh	11/22/2024 8:48:01 AM	Ankita	11/22/2024 11:29:25	Peak Integrated by Software
P4892-03MSD	PL093201.D	gamma-BHC (Lindane)	yogesh	11/22/2024 8:48:01 AM	Ankita	11/22/2024 11:29:25	Peak Integrated by Software
PSTDCCC050	PL093211.D	4,4"-DDD	yogesh	11/22/2024 12:39:33 PM	Ankita	11/22/2024 2:42:52	Peak Integrated by Software
PSTDCCC050	PL093211.D	4,4"-DDT #2	yogesh	11/22/2024 12:39:33 PM	Ankita	11/22/2024 2:42:52	Peak Integrated by Software
PSTDCCC050	PL093211.D	Aldrin	yogesh	11/22/2024 12:39:33 PM	Ankita	11/22/2024 2:42:52	Peak Integrated by Software
PSTDCCC050	PL093211.D	Endosulfan II	yogesh	11/22/2024 12:39:33 PM	Ankita	11/22/2024 2:42:52	Peak Integrated by Software
PSTDCCC050	PL093211.D	Endrin	yogesh	11/22/2024 12:39:33 PM	Ankita	11/22/2024 2:42:52	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL112224	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093214.D	4,4"-DDD	yogesh	11/25/2024 8:54:53 AM	Ankita	11/25/2024 9:35:10	Peak Integrated by Software
PEM	PL093214.D	4,4"-DDE	yogesh	11/25/2024 8:54:53 AM	Ankita	11/25/2024 9:35:10	Peak Integrated by Software
PEM	PL093214.D	Endrin	yogesh	11/25/2024 8:54:53 AM	Ankita	11/25/2024 9:35:10	Peak Integrated by Software
PEM	PL093214.D	Endrin aldehyde	yogesh	11/25/2024 8:54:53 AM	Ankita	11/25/2024 9:35:10	Peak Integrated by Software
PSTDCCC050	PL093215.D	Aldrin	yogesh	11/25/2024 8:54:55 AM	Ankita	11/25/2024 9:35:12	Peak Integrated by Software
PSTDCCC050	PL093215.D	Endosulfan II #2	yogesh	11/25/2024 8:54:55 AM	Ankita	11/25/2024 9:35:12	Peak Integrated by Software
PSTDCCC050	PL093215.D	Endrin	yogesh	11/25/2024 8:54:55 AM	Ankita	11/25/2024 9:35:12	Peak Integrated by Software
PSTDCCC050	PL093228.D	Aldrin	yogesh	11/25/2024 8:55:11 AM	Ankita	11/25/2024 9:35:26	Peak Integrated by Software
PSTDCCC050	PL093228.D	Endrin	yogesh	11/25/2024 8:55:11 AM	Ankita	11/25/2024 9:35:26	Peak Integrated by Software
PSTDCCC050	PL093228.D	Heptachlor epoxide	yogesh	11/25/2024 8:55:11 AM	Ankita	11/25/2024 9:35:26	Peak Integrated by Software

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch 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

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch 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

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL112124

Review By	yogesh	Review On	11/22/2024 8:48:31 AM		
Supervise By	Ankita	Supervise On	11/22/2024 11:29:44 AM		
SubDirectory	PL112124	HP Acquire Method		HP Processing Method	PL102824

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	PL093190.D	21 Nov 2024 09:12	AR\AJ	Ok
2	I.BLK	PL093191.D	21 Nov 2024 09:25	AR\AJ	Ok
3	PEM	PL093192.D	21 Nov 2024 09:38	AR\AJ	Ok,M
4	PSTDCCC050	PL093193.D	21 Nov 2024 09:51	AR\AJ	Ok,M
5	P4925-01RE	PL093194.D	21 Nov 2024 10:05	AR\AJ	Confirms
6	PB165164BL	PL093195.D	21 Nov 2024 10:35	AR\AJ	Ok
7	PB165164BS	PL093196.D	21 Nov 2024 10:48	AR\AJ	Ok,M
8	PB165060TB	PL093197.D	21 Nov 2024 11:02	AR\AJ	Ok
9	PB165123TB	PL093198.D	21 Nov 2024 11:15	AR\AJ	Ok
10	P4892-03	PL093199.D	21 Nov 2024 11:28	AR\AJ	Not Ok
11	P4892-03MS	PL093200.D	21 Nov 2024 11:41	AR\AJ	Ok,M
12	P4892-03MSD	PL093201.D	21 Nov 2024 11:54	AR\AJ	Ok,M
13	P4921-01	PL093202.D	21 Nov 2024 12:08	AR\AJ	Ok,M
14	PB165154BL	PL093203.D	21 Nov 2024 12:21	AR\AJ	Ok
15	PB165154BS	PL093204.D	21 Nov 2024 12:34	AR\AJ	Ok,M
16	P4938-05	PL093205.D	21 Nov 2024 12:47	AR\AJ	Ok,M
17	P4936-01	PL093206.D	21 Nov 2024 13:00	AR\AJ	Ok,M
18	P4938-01	PL093207.D	21 Nov 2024 14:14	AR\AJ	Ok,M
19	P4938-01MS	PL093208.D	21 Nov 2024 14:27	AR\AJ	Ok,M
20	P4938-01MSD	PL093209.D	21 Nov 2024 14:40	AR\AJ	Ok,M
21	I.BLK	PL093210.D	21 Nov 2024 14:53	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL112124

Review By	yogesh	Review On	11/22/2024 8:48:31 AM		
Supervise By	Ankita	Supervise On	11/22/2024 11:29:44 AM		
SubDirectory	PL112124	HP Acquire Method		HP Processing Method	PL102824

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	PSTDCCC050	PL093211.D	21 Nov 2024 15:07	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL112224

Review By	yogesh	Review On	11/25/2024 8:55:24 AM		
Supervise By	Ankita	Supervise On	11/25/2024 9:35:34 AM		
SubDirectory	PL112224	HP Acquire Method		HP Processing Method	PL102824

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	PL093212.D	22 Nov 2024 09:10	AR\AJ	Ok
2	I.BLK	PL093213.D	22 Nov 2024 09:24	AR\AJ	Ok
3	PEM	PL093214.D	22 Nov 2024 09:37	AR\AJ	Ok,M
4	PSTDCCC050	PL093215.D	22 Nov 2024 10:03	AR\AJ	Ok,M
5	P4892-03	PL093216.D	22 Nov 2024 10:27	AR\AJ	Ok
6	PB165184BL	PL093217.D	22 Nov 2024 12:10	AR\AJ	Ok
7	PB165184BS	PL093218.D	22 Nov 2024 12:23	AR\AJ	Not Ok
8	P4948-01	PL093219.D	22 Nov 2024 12:36	AR\AJ	Ok,M
9	P4948-01MS	PL093220.D	22 Nov 2024 12:49	AR\AJ	Ok,M
10	P4948-01MSD	PL093221.D	22 Nov 2024 13:03	AR\AJ	Ok,M
11	P4954-03	PL093222.D	22 Nov 2024 13:16	AR\AJ	Ok,M
12	P4948-03	PL093223.D	22 Nov 2024 13:29	AR\AJ	Ok,M
13	P4949-03	PL093224.D	22 Nov 2024 13:42	AR\AJ	Ok,M
14	P4951-01	PL093225.D	22 Nov 2024 13:55	AR\AJ	Ok,M
15	P4954-01	PL093226.D	22 Nov 2024 14:09	AR\AJ	Ok,M
16	I.BLK	PL093227.D	22 Nov 2024 15:46	AR\AJ	Ok
17	PSTDCCC050	PL093228.D	22 Nov 2024 16:14	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch 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	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

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch 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

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch 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

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL112124

Review By	yogesh	Review On	11/22/2024 8:48:31 AM		
Supervise By	Ankita	Supervise On	11/22/2024 11:29:44 AM		
SubDirectory	PL112124	HP Acquire Method		HP Processing Method	PL102824

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	PL093190.D	21 Nov 2024 09:12		AR\AJ	Ok
2	I.BLK	I.BLK	PL093191.D	21 Nov 2024 09:25		AR\AJ	Ok
3	PEM	PEM	PL093192.D	21 Nov 2024 09:38		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL093193.D	21 Nov 2024 09:51		AR\AJ	Ok,M
5	P4925-01RE	MH-741RE	PL093194.D	21 Nov 2024 10:05	TCMX HIGH in both column	AR\AJ	Confirms
6	PB165164BL	PB165164BL	PL093195.D	21 Nov 2024 10:35		AR\AJ	Ok
7	PB165164BS	PB165164BS	PL093196.D	21 Nov 2024 10:48		AR\AJ	Ok,M
8	PB165060TB	PB165060TB	PL093197.D	21 Nov 2024 11:02		AR\AJ	Ok
9	PB165123TB	PB165123TB	PL093198.D	21 Nov 2024 11:15		AR\AJ	Ok
10	P4892-03	WB-310-BOT	PL093199.D	21 Nov 2024 11:28	contamination	AR\AJ	Not Ok
11	P4892-03MS	WB-310-BOTMS	PL093200.D	21 Nov 2024 11:41		AR\AJ	Ok,M
12	P4892-03MSD	WB-310-BOTMSD	PL093201.D	21 Nov 2024 11:54		AR\AJ	Ok,M
13	P4921-01	WC-11-A-202411	PL093202.D	21 Nov 2024 12:08		AR\AJ	Ok,M
14	PB165154BL	PB165154BL	PL093203.D	21 Nov 2024 12:21		AR\AJ	Ok
15	PB165154BS	PB165154BS	PL093204.D	21 Nov 2024 12:34		AR\AJ	Ok,M
16	P4938-05	MH-734	PL093205.D	21 Nov 2024 12:47		AR\AJ	Ok,M
17	P4936-01	PL-01-11202024	PL093206.D	21 Nov 2024 13:00		AR\AJ	Ok,M
18	P4938-01	MH-732	PL093207.D	21 Nov 2024 14:14		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL112124

Review By	yogesh	Review On	11/22/2024 8:48:31 AM		
Supervise By	Ankita	Supervise On	11/22/2024 11:29:44 AM		
SubDirectory	PL112124	HP Acquire Method		HP Processing Method	PL102824

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	P4938-01MS	MH-732MS	PL093208.D	21 Nov 2024 14:27		AR\AJ	Ok,M
20	P4938-01MSD	MH-732MSD	PL093209.D	21 Nov 2024 14:40		AR\AJ	Ok,M
21	I.BLK	I.BLK	PL093210.D	21 Nov 2024 14:53		AR\AJ	Ok
22	PSTDCCC050	PSTDCCC050	PL093211.D	21 Nov 2024 15:07		AR\AJ	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL112224

Review By	yogesh	Review On	11/25/2024 8:55:24 AM		
Supervise By	Ankita	Supervise On	11/25/2024 9:35:34 AM		
SubDirectory	PL112224	HP Acquire Method		HP Processing Method	PL102824

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	PL093212.D	22 Nov 2024 09:10		AR\AJ	Ok
2	I.BLK	I.BLK	PL093213.D	22 Nov 2024 09:24		AR\AJ	Ok
3	PEM	PEM	PL093214.D	22 Nov 2024 09:37		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL093215.D	22 Nov 2024 10:03		AR\AJ	Ok,M
5	P4892-03	WB-310-BOT	PL093216.D	22 Nov 2024 10:27		AR\AJ	Ok
6	PB165184BL	PB165184BL	PL093217.D	22 Nov 2024 12:10		AR\AJ	Ok
7	PB165184BS	PB165184BS	PL093218.D	22 Nov 2024 12:23	recovery high	AR\AJ	Not Ok
8	P4948-01	337	PL093219.D	22 Nov 2024 12:36		AR\AJ	Ok,M
9	P4948-01MS	337MS	PL093220.D	22 Nov 2024 12:49		AR\AJ	Ok,M
10	P4948-01MSD	337MSD	PL093221.D	22 Nov 2024 13:03		AR\AJ	Ok,M
11	P4954-03	TR-06-112124	PL093222.D	22 Nov 2024 13:16		AR\AJ	Ok,M
12	P4948-03	72-11944	PL093223.D	22 Nov 2024 13:29		AR\AJ	Ok,M
13	P4949-03	CONTAINMENT-STON	PL093224.D	22 Nov 2024 13:42		AR\AJ	Ok,M
14	P4951-01	AU-05-112124	PL093225.D	22 Nov 2024 13:55		AR\AJ	Ok,M
15	P4954-01	TR-05-112124	PL093226.D	22 Nov 2024 14:09		AR\AJ	Ok,M
16	I.BLK	I.BLK	PL093227.D	22 Nov 2024 15:46		AR\AJ	Ok
17	PSTDCCC050	PSTDCCC050	PL093228.D	22 Nov 2024 16:14		AR\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165060

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 114771

Start Prep Date : 11/18/2024 **Time :** 16:00

End Prep Date : 11/19/2024 **Time :** 08:20

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

Standared 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	N/A	MP83122

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 checked,30 rpm. Particle size reduction is not required. p4910-08 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/19/24 10:30	JP / TCLP Room	JP / Met Dry
	Preparation Group	**Analysis Group** RS / EXT

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165060

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
P4890-06	D3721	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
P4892-03	WB-310-BOT	02	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
P4893-04	MH-763	03	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
P4893-08	MH-762	04	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
P4910-04	MH-COTTAGE	05	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-1
P4910-08	MH-759	06	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
PB165060TB	LEB060	07	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4890-06	D3721	N/A	N/A	N/A	N/A	100	N/A
P4892-03	WB-310-BOT	N/A	N/A	N/A	N/A	100	N/A
P4893-04	MH-763	N/A	N/A	N/A	N/A	100	N/A
P4893-08	MH-762	N/A	N/A	N/A	N/A	100	N/A
P4910-04	MH-COTTAGE	N/A	N/A	N/A	N/A	100	N/A
P4910-08	MH-759	N/A	N/A	N/A	N/A	100	N/A
PB165060TB	LEB060	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB165060

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
P4890-06	D3721	5.02	96.5	6.2	2.5	#1	4.94
P4892-03	WB-310-BOT	5.03	96.5	8.6	3.5	#1	4.94
P4893-04	MH-763	5.02	96.5	8.6	3.5	#1	4.94
P4893-08	MH-762	5.01	96.5	8.0	3.0	#1	4.94
P4910-04	MH-COTTAGE	5.02	96.5	9.1	4.5	#1	4.94
P4910-08	MH-759	5.03	96.5	8.6	4.0	#1	4.94
PB165060TB	LEB060	N/A	N/A	N/A	N/A	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp p4892 **WorkList ID :** 185532 **Department :** TCLP Extraction **Date :** 11-18-2024 12:28:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4890-06	D3721	Solid	TCLP Extraction	Cool 4 deg C	PSEG03		11/15/2024	1311
P4892-03	WB-310-BOT	Solid	TCLP Extraction	Cool 4 deg C	PORT06	M11	11/15/2024	1311
P4893-04	MH-763	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L51	11/16/2024	1311
P4893-08	MH-762	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L51	11/16/2024	1311
P4910-04	MH-COTTAGE	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L61	11/18/2024	1311
P4910-08	MH-759	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L61	11/18/2024	1311

Date/Time 11-18-24 15:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature] SM

Date/Time 11-18-24 17:30

Raw Sample Received by: [signature] SM

Raw Sample Relinquished by: [signature]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB165164

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Water

Weigh By: RJ

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3574

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 11/20/2024

Extraction Start Time : 12:00

Extraction End Date : 11/20/2024

Extraction End Time : 17:00

Concentration By: EH

Supervisor By : rajesh

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP23928
Surrogate	1.0ML	200 PPB	PP23985
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	E3829
Baked Na2SO4	N/A	EP2562
Hexane	N/A	E3826
N/A	N/A	N/A
Florisil	N/A	E3806
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: Water bath -01

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/20/24	RP (Set 1 out)	Y-P-PRST/PCB.
17:05	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB165164

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 11/20/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165060TB	PB165060TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			SEP-01
PB165123TB	PB165123TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			2
PB165164BL	PBLK164	TCLP Pesticide	1000	6	RUPESH	ritesh	10			3
PB165164BS	PLCS164	TCLP Pesticide	1000	6	RUPESH	ritesh	10			4
P4892-03	WB-310-BOT	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		5
P4892-03MS	WB-310-BOTMS	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		6
P4892-03MSD	WB-310-BOTMSD	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		7
P4921-01	WC-11-A-202411	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		8

* **Extracts relinquished on the same date as received.**

11/20/24

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165123

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
P4921-01	WC-11-A-202411	N/A	N/A	N/A	N/A	N/A	N/A	7.0	1.5	N/A
PB165123TB	LEB123	N/A	N/A	N/A	N/A	N/A	N/A	4.93	1.0	N/A

11/20/24

11:00

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165060

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	
P4890-06	D3721	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	
P4892-03	WB-310-BOT	02	100.02	2000	N/A	N/A	N/A	5.8	1.5	
P4893-04	MH-763	03	100.03	2000	N/A	N/A	N/A	6.2	1.0	
P4893-08	MH-762	04	100.04	2000	N/A	N/A	N/A	6.0	1.0	T
P4910-04	MH-COTTAGE	05	100.02	2000	N/A	N/A	N/A	7.2	1.5	T
P4910-08	MH-759	06	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-
PB165060TB	LEB060	07	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-1

11/19/2024
10:30

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

LAB CHRONICLE

OrderID:	P4892	**OrderDate:**	11/18/2024 8:10:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	M11,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4892-01	**WB-310-TOP**	**SOIL**			**11/15/24**			**11/15/24**
			PCB	8082A		11/19/24	11/19/24	
P4892-02	**WB-310-BOT**	**SOIL**			**11/15/24**			**11/15/24**
			PCB	8082A		11/19/24	11/19/24	
P4892-03	**WB-310-BOT**	**TCLP**			**11/15/24**			**11/15/24**
			TCLP Pesticide	8081B		11/20/24	11/22/24	
P4892-04	**WB-310-SW**	**WATER**			**11/15/24**			**11/15/24**
			PCB	8082A		11/20/24	11/20/24	