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Hit Summary Sheet
SW-846

SDG No.:		P4471			Order ID:		P4471		
Client:		Portal Partners Tri-Venture			Project ID:		Amtrak Sawtooth Bridges 2024		
Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units	
Client ID :									
Total Concentration:				0.000					



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/19/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	B-180-SB01	SDG No.:	P4471
Lab Sample ID:	P4471-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	82.8
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068132.D	1	10/22/24 10:10	10/22/24 15:47	PB164310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.10	U	4.10	20.5	ug/kg
11104-28-2	Aroclor-1221	7.70	U	7.70	20.5	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	20.5	ug/kg
53469-21-9	Aroclor-1242	4.10	U	4.10	20.5	ug/kg
12672-29-6	Aroclor-1248	9.50	U	9.50	20.5	ug/kg
11097-69-1	Aroclor-1254	3.30	U	3.30	20.5	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	20.5	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	20.5	ug/kg
11096-82-5	Aroclor-1260	3.50	U	3.50	20.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.0		30 (32) - 150 (144)	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.3		30 (32) - 150 (175)	82%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/20/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	B-180-SB02	SDG No.:	P4471
Lab Sample ID:	P4471-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	49.2
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068156.D	1	10/22/24 10:10	10/23/24 12:11	PB164310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	6.90	U	6.90	34.5	ug/kg
11104-28-2	Aroclor-1221	13.0	U	13.0	34.5	ug/kg
11141-16-5	Aroclor-1232	6.90	U	6.90	34.5	ug/kg
53469-21-9	Aroclor-1242	6.90	U	6.90	34.5	ug/kg
12672-29-6	Aroclor-1248	16.0	U	16.0	34.5	ug/kg
11097-69-1	Aroclor-1254	5.50	U	5.50	34.5	ug/kg
37324-23-5	Aroclor-1262	9.30	U	9.30	34.5	ug/kg
11100-14-4	Aroclor-1268	7.00	U	7.00	34.5	ug/kg
11096-82-5	Aroclor-1260	5.90	U	5.90	34.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	11.3		30 (32) - 150 (144)	56%	SPK: 20
2051-24-3	Decachlorobiphenyl	7.51		30 (32) - 150 (175)	38%	SPK: 20

Comments:

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B = Analyte Found in Associated Method Blank

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QC SUMMARY

Surrogate Summary

SDG No.: **P4471**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP067586.D	PIBLK-PP067586.D	Tetrachloro-m-xylene	1	20	21.1	105		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.6	118		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.1	110		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	23.5	117		70 (60)	130 (140)
I.BLK-PP068124.D	PIBLK-PP068124.D	Tetrachloro-m-xylene	1	20	21.1	106		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	18.1	91		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.3	102		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	18.8	94		70 (60)	130 (140)
PB164310BL	PB164310BL	Tetrachloro-m-xylene	1	20	20.1	101		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	17.2	86		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.0	95		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.6	93		30 (32)	150 (175)
PB164310BS	PB164310BS	Tetrachloro-m-xylene	1	20	20.0	100		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	17.5	88		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.7	94		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.5	93		30 (32)	150 (175)
P4471-01	B-180-SB01	Tetrachloro-m-xylene	1	20	20.0	100		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	16.3	82		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.3	91		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	14.6	73		30 (32)	150 (175)
I.BLK-PP068139.D	PIBLK-PP068139.D	Tetrachloro-m-xylene	1	20	20.0	100		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	20.4	102		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.2	96		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	19.5	98		70 (60)	130 (140)
P4472-05MS	BP-F-6MS	Tetrachloro-m-xylene	1	20	21.0	105		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.1	100		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.3	91		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.6	93		30 (32)	150 (175)
P4472-05MSD	BP-F-6MSD	Tetrachloro-m-xylene	1	20	21.3	106		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.1	101		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.2	91		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.8	94		30 (32)	150 (175)
I.BLK-PP068149.D	PIBLK-PP068149.D	Tetrachloro-m-xylene	1	20	20.8	104		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	22.1	111		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.0	95		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.2	101		70 (60)	130 (140)
I.BLK-PP068155.D	PIBLK-PP068155.D	Tetrachloro-m-xylene	1	20	20.3	102		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	22.2	111		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.7	99		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.9	105		70 (60)	130 (140)
P4471-02	B-180-SB02	Tetrachloro-m-xylene	1	20	11.3	56		30 (32)	150 (144)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
P4471-02	B-180-SB02	Decachlorobiphenyl	1	20	7.13	36		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	10.9	54		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	7.51	38		30 (32)	150 (175)
I.BLK-PP068170.D	PIBLK-PP068170.D	Tetrachloro-m-xylene	1	20	20.8	104		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.9	110		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.5	98		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.9	104		70 (60)	130 (140)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

DataFile : PP068141.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	BP-F-6MS											
P4472-05MS	AR1016	182.8	0	167	ug/kg	91				40 (55)	140 (146)	
	AR1260	182.8	0	149	ug/kg	82				40 (45)	140 (144)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: 8082A DataFile : PP068142.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	BP-F-6MSD											
P4472-05MSD	AR1016	182.7	0	169	ug/kg	93		2		40 (55)	140 (146)	30 (20)
	AR1260	182.7	0	147	ug/kg	80		2		40 (45)	140 (144)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: **8082A** **Datafile :** PP068126.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164310BS	AR1016	166.6	134	ug/kg	80				40 (71)	140 (120)		
	AR1260	166.6	132	ug/kg	79				40 (65)	140 (130)		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164310BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: P4471

SAS No.: P4471 SDG NO.: P4471

Lab Sample ID: PB164310BL

Lab File ID: PP068125.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/22/2024

Date Analyzed (1): 10/22/2024

Date Analyzed (2): 10/22/2024

Time Analyzed (1): 13:55

Time Analyzed (2): 13:55

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164310BS	PB164310BS	PP068126.D	10/22/2024	10/22/2024
B-180-SB01	P4471-01	PP068132.D	10/22/2024	10/22/2024
BP-F-6MS	P4472-05MS	PP068141.D	10/22/2024	10/22/2024
BP-F-6MSD	P4472-05MSD	PP068142.D	10/22/2024	10/22/2024
B-180-SB02	P4471-02	PP068156.D	10/23/2024	10/23/2024

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:		
Client Sample ID:	PB164310BL		SDG No.:	P4471	
Lab Sample ID:	PB164310BL		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068125.D	1	10/22/24 10:10	10/22/24 13:55	PB164310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		30 (32) - 150 (144)	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.6		30 (32) - 150 (175)	93%	SPK: 20

Comments:

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Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/08/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	10/08/24	
Client Sample ID:	PIBLK-PP067586.D		SDG No.:	P4471	
Lab Sample ID:	I.BLK-PP067586.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067586.D	1		10/08/24	pp100824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		70 (60) - 130 (140)	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.5		70 (60) - 130 (140)	117%	SPK: 20

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/22/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/22/24
Client Sample ID:	PIBLK-PP068124.D	SDG No.:	P4471
Lab Sample ID:	I.BLK-PP068124.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068124.D	1		10/22/24	pp102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		70 (60) - 130 (140)	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		70 (60) - 130 (140)	91%	SPK: 20

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/22/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/22/24
Client Sample ID:	PIBLK-PP068139.D	SDG No.:	P4471
Lab Sample ID:	I.BLK-PP068139.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068139.D	1		10/22/24	pp102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		70 (60) - 130 (140)	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		70 (60) - 130 (140)	98%	SPK: 20

Comments:

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/22/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	10/22/24	
Client Sample ID:	PIBLK-PP068149.D		SDG No.:	P4471	
Lab Sample ID:	I.BLK-PP068149.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068149.D	1		10/22/24	pp102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.0		70 (60) - 130 (140)	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		70 (60) - 130 (140)	101%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/23/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	10/23/24	
Client Sample ID:	PIBLK-PP068155.D		SDG No.:	P4471	
Lab Sample ID:	I.BLK-PP068155.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068155.D	1		10/23/24	pp102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.7		70 (60) - 130 (140)	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.9		70 (60) - 130 (140)	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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/23/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/23/24
Client Sample ID:	PIBLK-PP068170.D	SDG No.:	P4471
Lab Sample ID:	I.BLK-PP068170.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068170.D	1		10/23/24	pp102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		70 (60) - 130 (140)	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.9		70 (60) - 130 (140)	104%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:		
Client Sample ID:	PB164310BS		SDG No.:	P4471	
Lab Sample ID:	PB164310BS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068126.D	1	10/22/24 10:10	10/22/24 14:11	PB164310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	134		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	132		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.0		30 (32) - 150 (144)	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.5		30 (32) - 150 (175)	93%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/21/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	BP-F-6MS	SDG No.:	P4471
Lab Sample ID:	P4472-05MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.1
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068141.D	1	10/22/24 10:10	10/22/24 18:55	PB164310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	167		3.70	18.6	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.6	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.6	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.6	ug/kg
12672-29-6	Aroclor-1248	8.70	U	8.70	18.6	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.6	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.6	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.6	ug/kg
11096-82-5	Aroclor-1260	149		3.20	18.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.0		30 (32) - 150 (144)	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		30 (32) - 150 (175)	100%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/21/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	BP-F-6MSD	SDG No.:	P4471
Lab Sample ID:	P4472-05MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.1
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068142.D	1	10/22/24 10:10	10/22/24 19:12	PB164310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	169		3.70	18.6	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.6	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.6	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.6	ug/kg
12672-29-6	Aroclor-1248	8.60	U	8.60	18.6	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.6	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.6	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.6	ug/kg
11096-82-5	Aroclor-1260	147		3.20	18.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.3		30 (32) - 150 (144)	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		30 (32) - 150 (175)	101%	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

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.67	10.67	10.67	10.67	10.67	10.67	10.57	10.77
Tetrachloro-m-xylene	4.76	4.75	4.75	4.75	4.75	4.75	4.65	4.85

A

B

C

D

E

F

G

H

I

J

K

L

RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Instrument ID: ECD_P Calibration Date(s): 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

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

LAB FILE ID: RT 1000 = PP067587.D RT 750 = PP067588.D

RT 500 = PP067589.D RT 250 = PP067590.D RT 050 = PP067591.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1016-2	(2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1016-3	(3)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Aroclor-1016-4	(4)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1016-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1260-1	(1)	6.66	6.66	6.66	6.66	6.66	6.66	6.56	6.76
Aroclor-1260-2	(2)	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
Aroclor-1260-3	(3)	7.01	7.01	7.01	7.01	7.01	7.01	6.91	7.11
Aroclor-1260-4	(4)	7.48	7.48	7.48	7.48	7.48	7.48	7.38	7.58
Aroclor-1260-5	(5)	7.72	7.72	7.72	7.72	7.72	7.72	7.62	7.82
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1242-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1242-2	(2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1242-3	(3)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Aroclor-1242-4	(4)	5.45	5.45	5.45	5.44	5.45	5.45	5.35	5.55
Aroclor-1242-5	(5)	5.97	5.98	5.98	5.97	5.98	5.98	5.88	6.08
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1248-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-2	(2)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1248-3	(3)	5.44	5.45	5.44	5.44	5.45	5.44	5.34	5.54
Aroclor-1248-4	(4)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1248-5	(5)	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1254-1	(1)	5.98	5.97	5.98	5.98	5.98	5.98	5.88	6.08
Aroclor-1254-2	(2)	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Aroclor-1254-3	(3)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1254-4	(4)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Aroclor-1254-5	(5)	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1268-1	(1)	8.01	8.01	8.01	8.01	8.01	8.01	7.91	8.11
Aroclor-1268-2	(2)	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
Aroclor-1268-3	(3)	8.29	8.29	8.29	8.29	8.29	8.29	8.19	8.39
Aroclor-1268-4	(4)	8.60	8.60	8.60	8.60	8.60	8.60	8.50	8.70
Aroclor-1268-5	(5)	8.93	8.93	8.93	8.92	8.93	8.93	8.83	9.03

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene	4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Instrument ID: ECD_P

Calibration Date(s): 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

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

LAB FILE ID:		CF 1000 = <u>PP067587.D</u>		CF 750 = <u>PP067588.D</u>			
CF 500 = <u>PP067589.D</u>		CF 250 = <u>PP067590.D</u>		CF 050 = <u>PP067591.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	31263736	32233361	34196172	36221284	31418860	33066683
Aroclor-1016-2	(2)	45702590	47619661	49829602	53216480	47485960	48770859
Aroclor-1016-3	(3)	29655293	30980703	32521866	34545868	29856000	31511946
Aroclor-1016-4	(4)	24305642	24965132	26130902	27480568	25835960	25743641
Aroclor-1016-5	(5)	25253642	26507995	28106138	29556500	25910240	27066903
Aroclor-1260-1	(1)	48881600	51062627	53497292	60189956	56487000	54023695
Aroclor-1260-2	(2)	57303356	59473712	62743556	68896016	67937280	63270784
Aroclor-1260-3	(3)	47767972	49860571	52672962	57075820	51866880	51848841
Aroclor-1260-4	(4)	55679811	58146343	61152700	66302976	59690240	60194414
Aroclor-1260-5	(5)	101142428	103711039	108382514	116162164	109162380	107712105
Decachlorobiphenyl		1047572970	1092521333	1163088620	1272493760	1180845600	1151304457
Tetrachloro-m-xylene		918389550	937648760	969374660	977965440	824831600	925642002
Aroclor-1242-1	(1)	26136486	27020177	28880182	30131840	27517000	27937137
Aroclor-1242-2	(2)	37560737	39520053	41823206	43424048	40845460	40634701
Aroclor-1242-3	(3)	24775066	25964975	27626992	28013716	28443000	26964750
Aroclor-1242-4	(4)	19919938	20877219	22020082	22198916	22236220	21450475
Aroclor-1242-5	(5)	22664411	23310707	24494326	25449828	24710200	24125894
Decachlorobiphenyl		1049846500	1096431853	1183590260	1273416280	1210794800	1162815939
Tetrachloro-m-xylene		918045770	945319107	991838280	988565840	844744200	937702639
Aroclor-1248-1	(1)	19592099	21187299	21900336	23649416	20785280	21422886
Aroclor-1248-2	(2)	29912773	32262593	34275072	36926580	34706360	33616676
Aroclor-1248-3	(3)	33038688	35344895	37623064	40558304	36562360	36625462
Aroclor-1248-4	(4)	36925252	39416441	41800322	44728924	39382640	40450716
Aroclor-1248-5	(5)	36740691	38953265	40984016	43781648	37845340	39660992
Decachlorobiphenyl		1055450820	1109667187	1169649200	1282118000	1302489400	1183874921
Tetrachloro-m-xylene		902146960	926581653	953867240	992359080	895156800	934022347
Aroclor-1254-1	(1)	40350769	42082559	45284156	48868552	47326420	44782491
Aroclor-1254-2	(2)	59814731	62129524	65787698	71625140	71131660	66097751
Aroclor-1254-3	(3)	64043672	65831181	69388346	74782692	73217700	69452718
Aroclor-1254-4	(4)	45989306	47460167	50157578	54420004	51495700	49904551
Aroclor-1254-5	(5)	54192853	57072867	59852552	64108404	61236860	59292707
Decachlorobiphenyl		1068499200	1106116080	1182150460	1298012320	1262855400	1183526692
Tetrachloro-m-xylene		931363580	935898013	956149560	989159640	878805200	938275199
Aroclor-1268-1	(1)	139515419	144470283	150997662	162718796	165540620	152648556

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	125679796	130088461	136577130	145743784	144888120	136595458	6
Aroclor-1268-3	(3)	110668977	116741077	119635012	130534268	127010440	120917955	7
Aroclor-1268-4	(4)	48063749	49890017	52720184	55641072	47784700	50819944	7
Aroclor-1268-5	(5)	348373365	356693093	372169718	389623012	400486540	373469146	6
Decachlorobiphenyl		1758376420	1827520213	1952930880	2093924120	2163079000	1959166127	9
Tetrachloro-m-xylene		908125750	922962547	955684560	986676760	888810200	932451963	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Instrument ID: ECD_P

Calibration Date(s): 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

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

LAB FILE ID:		CF 1000 = <u>PP067587.D</u>		CF 750 = <u>PP067588.D</u>			
CF 500 = <u>PP067589.D</u>		CF 250 = <u>PP067590.D</u>		CF 050 = <u>PP067591.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	32214100	33511487	34894776	37855020	36460880	34987253
Aroclor-1016-2	(2)	45072170	46943971	48711842	52177748	47937020	48168550
Aroclor-1016-3	(3)	25675074	27277663	27567444	28514452	25652840	26937495
Aroclor-1016-4	(4)	22207756	23688287	24482426	25758704	24288360	24085107
Aroclor-1016-5	(5)	28303958	30184395	30998408	32062244	30500300	30409861
Aroclor-1260-1	(1)	51490839	53867885	56846930	62693500	59910740	56961979
Aroclor-1260-2	(2)	60685581	63183867	66653346	73175968	69823160	66704384
Aroclor-1260-3	(3)	58195863	60818087	64471984	69084640	65935040	63701123
Aroclor-1260-4	(4)	51141777	52463477	55669740	60213672	56975040	55292741
Aroclor-1260-5	(5)	115751172	117431688	122205526	128041940	128062520	122298569
Decachlorobiphenyl		1016699470	1064912133	1114817860	1215156720	1195705800	1121458397
Tetrachloro-m-xylene		976302160	1002778080	1038188640	1086259240	948485600	1010402744
Aroclor-1242-1	(1)	26643227	27902807	30082486	31864192	28889440	29076430
Aroclor-1242-2	(2)	37173910	38324184	40855302	43058560	41326680	40147727
Aroclor-1242-3	(3)	21209836	21846417	23389330	23608008	22421520	22495022
Aroclor-1242-4	(4)	21894421	22781385	24633780	25302636	24076280	23737700
Aroclor-1242-5	(5)	25904963	27452171	28860038	30792124	30238540	28649567
Decachlorobiphenyl		1030873660	1074484253	1144199140	1227463640	1208383800	1137080899
Tetrachloro-m-xylene		979317100	1008877893	1048426020	1079705600	995407400	1022346803
Aroclor-1248-1	(1)	20323070	21892911	22863994	24075660	24163260	22663779
Aroclor-1248-2	(2)	29599820	31598663	33173378	36121664	34985540	33095813
Aroclor-1248-3	(3)	31098926	33116664	34686272	37576628	35894680	34474634
Aroclor-1248-4	(4)	36529837	38774123	40329020	44225180	44921420	40955916
Aroclor-1248-5	(5)	34201195	35911461	37616042	40473884	39013140	37443144
Decachlorobiphenyl		1032353410	1073137907	1131465640	1215505400	1241215600	1138735591
Tetrachloro-m-xylene		952656120	994994613	1000591240	1068188360	991037600	1001493587
Aroclor-1254-1	(1)	53478224	54895953	58959138	64085456	64000720	59083898
Aroclor-1254-2	(2)	47135286	48672312	52146652	56922440	57444240	52464186
Aroclor-1254-3	(3)	76675976	78569371	83205416	89086976	88502520	83208052
Aroclor-1254-4	(4)	44235570	45939643	48363680	51938700	50893660	48274251
Aroclor-1254-5	(5)	68142947	70671431	73760414	78813244	76368180	73551243
Decachlorobiphenyl		1041164600	1082182560	1142537200	1244245720	1270180600	1156062136
Tetrachloro-m-xylene		969890570	991360533	1038975520	1064707400	994465600	1011879925
Aroclor-1268-1	(1)	146986557	151844596	158019168	168079912	170778780	159141803

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	133073925	137248829	142523422	151222024	151862520	143186144	6
Aroclor-1268-3	(3)	117364027	121504320	126517254	135757020	136405580	127509640	7
Aroclor-1268-4	(4)	51956547	53952379	54797154	61002600	60671520	56476040	7
Aroclor-1268-5	(5)	359344903	364434196	374618632	391618688	400161860	378035656	5
Decachlorobiphenyl		1755186720	1802467867	1889666160	2047579480	2153015200	1929583085	9
Tetrachloro-m-xylene		970169850	991215560	1007059780	1064676080	979052800	1002434814	4

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Instrument ID: ECD_P Date(s) Analyzed: 10/08/2024 10/08/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.96	4.86	5.06	12809900
		2	5.04	4.94	5.14	9460580
		3	5.12	5.02	5.22	28907800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.12	5.02	5.22	22859800
		2	5.65	5.55	5.75	11783000
		3	5.94	5.84	6.04	22275000
		4	6.10	6.00	6.20	11287400
		5	6.19	6.09	6.29	9120180
Aroclor-1262	500	1	8.37	8.27	8.47	71771400
		2	8.71	8.61	8.81	121580000
		3	9.05	8.95	9.15	88514200
		4	9.14	9.04	9.24	69944800
		5	9.84	9.74	9.94	46791200

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Instrument ID: ECD_P Date(s) Analyzed: 10/08/2024 10/08/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.27	4.17	4.37	13170200
		2	4.36	4.26	4.46	9961240
		3	4.43	4.33	4.53	31131200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.43	4.33	4.53	24333000
		2	5.18	5.08	5.28	22365000
		3	5.36	5.26	5.46	11943800
		4	5.45	5.35	5.55	11531400
		5	5.62	5.52	5.72	13450300
Aroclor-1262	500	1	7.22	7.12	7.32	78673400
		2	7.48	7.38	7.58	70962000
		3	8.01	7.91	8.11	57099400
		4	8.07	7.97	8.17	100436000
		5	8.60	8.50	8.70	50017800

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Continuing Calib Date: 10/22/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 11:13 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.93	5.92	5.82	6.02	-0.01
Aroclor-1016-2	(2)	5.95	5.94	5.84	6.04	-0.01
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.10	6.00	6.20	-0.01
Aroclor-1016-5	(5)	6.41	6.40	6.30	6.50	-0.01
Aroclor-1260-1	(1)	7.53	7.52	7.42	7.62	-0.01
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.38	8.38	8.28	8.48	0.00
Aroclor-1260-5	(5)	8.72	8.71	8.61	8.81	-0.01
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.68	10.67	10.57	10.77	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Continuing Calib Date: 10/22/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 11:13 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.22	9.12	9.32	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL01 Date Analyzed: 10/22/2024

Lab Sample No.: AR1660CCC500 Data File : PP068120.D Time Analyzed: 11:13

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.926	5.819	6.019	454.860	500.000	-9.0
Aroclor-1016-2	5.948	5.842	6.042	450.150	500.000	-10.0
Aroclor-1016-3	6.012	5.905	6.105	424.040	500.000	-15.2
Aroclor-1016-4	6.110	6.003	6.203	433.190	500.000	-13.4
Aroclor-1016-5	6.405	6.298	6.498	423.950	500.000	-15.2
Aroclor-1260-1	7.527	7.422	7.622	431.540	500.000	-13.7
Aroclor-1260-2	7.780	7.675	7.875	408.050	500.000	-18.4
Aroclor-1260-3	8.143	8.037	8.237	405.150	500.000	-19.0
Aroclor-1260-4	8.378	8.275	8.475	487.540	500.000	-2.5
Aroclor-1260-5	8.718	8.612	8.812	445.850	500.000	-10.8
Decachlorobiphenyl	10.678	10.569	10.769	43.800	50.000	-12.4
Tetrachloro-m-xylene	4.762	4.655	4.855	53.280	50.000	6.6

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL01 Date Analyzed: 10/22/2024

Lab Sample No.: AR1660CCC500 Data File : PP068120.D Time Analyzed: 11:13

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.159	5.061	5.261	449.800	500.000	-10.0
Aroclor-1016-2	5.179	5.081	5.281	481.970	500.000	-3.6
Aroclor-1016-3	5.359	5.262	5.462	482.710	500.000	-3.5
Aroclor-1016-4	5.399	5.301	5.501	444.810	500.000	-11.0
Aroclor-1016-5	5.618	5.520	5.720	460.900	500.000	-7.8
Aroclor-1260-1	6.662	6.564	6.764	464.140	500.000	-7.2
Aroclor-1260-2	6.848	6.750	6.950	451.900	500.000	-9.6
Aroclor-1260-3	7.006	6.908	7.108	465.400	500.000	-6.9
Aroclor-1260-4	7.480	7.383	7.583	460.440	500.000	-7.9
Aroclor-1260-5	7.719	7.622	7.822	479.760	500.000	-4.0
Decachlorobiphenyl	9.212	9.119	9.319	45.900	50.000	-8.2
Tetrachloro-m-xylene	4.051	3.952	4.152	51.090	50.000	2.2

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Continuing Calib Date: 10/22/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 17:19 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.10	6.00	6.20	-0.01
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.37	8.38	8.28	8.48	0.01
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.67	10.67	10.57	10.77	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Continuing Calib Date: 10/22/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 17:19 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.22	9.12	9.32	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL02 Date Analyzed: 10/22/2024

Lab Sample No.: AR1660CCC500 Data File : PP068135.D Time Analyzed: 17:19

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.921	5.819	6.019	476.530	500.000	-4.7
Aroclor-1016-2	5.943	5.842	6.042	476.580	500.000	-4.7
Aroclor-1016-3	6.007	5.905	6.105	445.380	500.000	-10.9
Aroclor-1016-4	6.105	6.003	6.203	435.360	500.000	-12.9
Aroclor-1016-5	6.399	6.298	6.498	426.520	500.000	-14.7
Aroclor-1260-1	7.522	7.422	7.622	469.860	500.000	-6.0
Aroclor-1260-2	7.775	7.675	7.875	457.190	500.000	-8.6
Aroclor-1260-3	8.136	8.037	8.237	431.890	500.000	-13.6
Aroclor-1260-4	8.374	8.275	8.475	443.470	500.000	-11.3
Aroclor-1260-5	8.711	8.612	8.812	453.220	500.000	-9.4
Decachlorobiphenyl	10.666	10.569	10.769	46.360	50.000	-7.3
Tetrachloro-m-xylene	4.757	4.655	4.855	52.520	50.000	5.0

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL02 Date Analyzed: 10/22/2024

Lab Sample No.: AR1660CCC500 Data File : PP068135.D Time Analyzed: 17:19

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.157	5.061	5.261	469.700	500.000	-6.1
Aroclor-1016-2	5.177	5.081	5.281	484.650	500.000	-3.1
Aroclor-1016-3	5.358	5.262	5.462	473.010	500.000	-5.4
Aroclor-1016-4	5.397	5.301	5.501	446.500	500.000	-10.7
Aroclor-1016-5	5.616	5.520	5.720	503.430	500.000	0.7
Aroclor-1260-1	6.659	6.564	6.764	461.890	500.000	-7.6
Aroclor-1260-2	6.846	6.750	6.950	453.780	500.000	-9.2
Aroclor-1260-3	7.003	6.908	7.108	460.980	500.000	-7.8
Aroclor-1260-4	7.477	7.383	7.583	461.370	500.000	-7.7
Aroclor-1260-5	7.715	7.622	7.822	476.330	500.000	-4.7
Decachlorobiphenyl	9.208	9.119	9.319	46.250	50.000	-7.5
Tetrachloro-m-xylene	4.050	3.952	4.152	49.980	50.000	0.0

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Continuing Calib Date: 10/22/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 20:43 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.10	6.00	6.20	-0.01
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.37	8.38	8.28	8.48	0.01
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.67	10.67	10.57	10.77	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Continuing Calib Date: 10/22/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 20:43 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.01
Aroclor-1260-3	(3)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.22	9.12	9.32	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL03 Date Analyzed: 10/22/2024

Lab Sample No.: AR1660CCC500 Data File : PP068145.D Time Analyzed: 20:43

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.921	5.819	6.019	521.080	500.000	4.2
Aroclor-1016-2	5.943	5.842	6.042	525.740	500.000	5.1
Aroclor-1016-3	6.007	5.905	6.105	525.970	500.000	5.2
Aroclor-1016-4	6.105	6.003	6.203	516.400	500.000	3.3
Aroclor-1016-5	6.399	6.298	6.498	489.130	500.000	-2.2
Aroclor-1260-1	7.522	7.422	7.622	483.700	500.000	-3.3
Aroclor-1260-2	7.775	7.675	7.875	478.850	500.000	-4.2
Aroclor-1260-3	8.137	8.037	8.237	484.590	500.000	-3.1
Aroclor-1260-4	8.374	8.275	8.475	477.400	500.000	-4.5
Aroclor-1260-5	8.711	8.612	8.812	478.470	500.000	-4.3
Decachlorobiphenyl	10.665	10.569	10.769	50.750	50.000	1.5
Tetrachloro-m-xylene	4.757	4.655	4.855	53.520	50.000	7.0

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL03 Date Analyzed: 10/22/2024

Lab Sample No.: AR1660CCC500 Data File : PP068145.D Time Analyzed: 20:43

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.157	5.061	5.261	472.880	500.000	-5.4
Aroclor-1016-2	5.177	5.081	5.281	479.700	500.000	-4.1
Aroclor-1016-3	5.358	5.262	5.462	484.480	500.000	-3.1
Aroclor-1016-4	5.397	5.301	5.501	478.080	500.000	-4.4
Aroclor-1016-5	5.616	5.520	5.720	525.350	500.000	5.1
Aroclor-1260-1	6.659	6.564	6.764	470.850	500.000	-5.8
Aroclor-1260-2	6.845	6.750	6.950	468.080	500.000	-6.4
Aroclor-1260-3	7.003	6.908	7.108	466.000	500.000	-6.8
Aroclor-1260-4	7.477	7.383	7.583	462.290	500.000	-7.5
Aroclor-1260-5	7.716	7.622	7.822	465.380	500.000	-6.9
Decachlorobiphenyl	9.207	9.119	9.319	47.030	50.000	-5.9
Tetrachloro-m-xylene	4.050	3.952	4.152	49.440	50.000	-1.1

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Continuing Calib Date: 10/23/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 09:30 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.95	5.94	5.84	6.04	-0.01
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.10	6.00	6.20	-0.01
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.53	7.52	7.42	7.62	-0.01
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.38	8.38	8.28	8.48	0.00
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.67	10.67	10.57	10.77	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Continuing Calib Date: 10/23/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 09:30 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.22	9.12	9.32	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL04 Date Analyzed: 10/23/2024

Lab Sample No.: AR1660CCC500 Data File : PP068151.D Time Analyzed: 09:30

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.923	5.819	6.019	509.490	500.000	1.9
Aroclor-1016-2	5.945	5.842	6.042	522.480	500.000	4.5
Aroclor-1016-3	6.009	5.905	6.105	515.710	500.000	3.1
Aroclor-1016-4	6.107	6.003	6.203	506.700	500.000	1.3
Aroclor-1016-5	6.401	6.298	6.498	491.580	500.000	-1.7
Aroclor-1260-1	7.525	7.422	7.622	469.920	500.000	-6.0
Aroclor-1260-2	7.778	7.675	7.875	469.080	500.000	-6.2
Aroclor-1260-3	8.139	8.037	8.237	478.230	500.000	-4.4
Aroclor-1260-4	8.377	8.275	8.475	470.780	500.000	-5.8
Aroclor-1260-5	8.714	8.612	8.812	474.520	500.000	-5.1
Decachlorobiphenyl	10.672	10.569	10.769	49.780	50.000	-0.4
Tetrachloro-m-xylene	4.759	4.655	4.855	52.360	50.000	4.7

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL04 Date Analyzed: 10/23/2024

Lab Sample No.: AR1660CCC500 Data File : PP068151.D Time Analyzed: 09:30

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.159	5.061	5.261	471.440	500.000	-5.7
Aroclor-1016-2	5.178	5.081	5.281	472.270	500.000	-5.5
Aroclor-1016-3	5.359	5.262	5.462	475.440	500.000	-4.9
Aroclor-1016-4	5.398	5.301	5.501	471.380	500.000	-5.7
Aroclor-1016-5	5.617	5.520	5.720	472.660	500.000	-5.5
Aroclor-1260-1	6.660	6.564	6.764	464.670	500.000	-7.1
Aroclor-1260-2	6.846	6.750	6.950	462.090	500.000	-7.6
Aroclor-1260-3	7.004	6.908	7.108	468.280	500.000	-6.3
Aroclor-1260-4	7.479	7.383	7.583	468.800	500.000	-6.2
Aroclor-1260-5	7.718	7.622	7.822	466.860	500.000	-6.6
Decachlorobiphenyl	9.211	9.119	9.319	47.830	50.000	-4.3
Tetrachloro-m-xylene	4.052	3.952	4.152	48.140	50.000	-3.7

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Continuing Calib Date: 10/23/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 15:57 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.10	6.00	6.20	-0.01
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.38	8.38	8.28	8.48	0.00
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.67	10.67	10.57	10.77	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Continuing Calib Date: 10/23/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 15:57 Initial Calibration Time(s): 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.22	9.12	9.32	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL05 Date Analyzed: 10/23/2024

Lab Sample No.: AR1660CCC500 Data File : PP068166.D Time Analyzed: 15:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.921	5.819	6.019	491.140	500.000	-1.8
Aroclor-1016-2	5.944	5.842	6.042	505.430	500.000	1.1
Aroclor-1016-3	6.007	5.905	6.105	491.780	500.000	-1.6
Aroclor-1016-4	6.105	6.003	6.203	485.430	500.000	-2.9
Aroclor-1016-5	6.399	6.298	6.498	476.670	500.000	-4.7
Aroclor-1260-1	7.523	7.422	7.622	449.530	500.000	-10.1
Aroclor-1260-2	7.776	7.675	7.875	448.260	500.000	-10.3
Aroclor-1260-3	8.138	8.037	8.237	457.380	500.000	-8.5
Aroclor-1260-4	8.376	8.275	8.475	456.620	500.000	-8.7
Aroclor-1260-5	8.713	8.612	8.812	462.630	500.000	-7.5
Decachlorobiphenyl	10.670	10.569	10.769	48.800	50.000	-2.4
Tetrachloro-m-xylene	4.757	4.655	4.855	51.470	50.000	2.9

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL05 Date Analyzed: 10/23/2024

Lab Sample No.: AR1660CCC500 Data File : PP068166.D Time Analyzed: 15:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.157	5.061	5.261	465.090	500.000	-7.0
Aroclor-1016-2	5.177	5.081	5.281	473.530	500.000	-5.3
Aroclor-1016-3	5.357	5.262	5.462	476.580	500.000	-4.7
Aroclor-1016-4	5.397	5.301	5.501	471.310	500.000	-5.7
Aroclor-1016-5	5.616	5.520	5.720	467.820	500.000	-6.4
Aroclor-1260-1	6.659	6.564	6.764	451.860	500.000	-9.6
Aroclor-1260-2	6.846	6.750	6.950	457.130	500.000	-8.6
Aroclor-1260-3	7.004	6.908	7.108	455.780	500.000	-8.8
Aroclor-1260-4	7.478	7.383	7.583	458.570	500.000	-8.3
Aroclor-1260-5	7.716	7.622	7.822	455.920	500.000	-8.8
Decachlorobiphenyl	9.209	9.119	9.319	46.300	50.000	-7.4
Tetrachloro-m-xylene	4.050	3.952	4.152	48.480	50.000	-3.0

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: P4471
Project: Amtrak Sawtooth Bridges 2024	Instrument ID: ECD_P
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/08/2024 10/08/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/08/2024	16:14	PP067586.D	10.67	4.75
AR1660ICC1000	AR1660ICC1000	10/08/2024	16:30	PP067587.D	10.67	4.75
AR1660ICC750	AR1660ICC750	10/08/2024	16:46	PP067588.D	10.67	4.75
AR1660ICC500	AR1660ICC500	10/08/2024	17:02	PP067589.D	10.67	4.76
AR1660ICC250	AR1660ICC250	10/08/2024	17:19	PP067590.D	10.67	4.75
AR1660ICC050	AR1660ICC050	10/08/2024	17:35	PP067591.D	10.67	4.76
AR1221ICC500	AR1221ICC500	10/08/2024	17:51	PP067592.D	10.67	4.75
AR1232ICC500	AR1232ICC500	10/08/2024	18:07	PP067593.D	10.67	4.75
AR1242ICC1000	AR1242ICC1000	10/08/2024	18:23	PP067594.D	10.67	4.76
AR1242ICC750	AR1242ICC750	10/08/2024	18:39	PP067595.D	10.67	4.76
AR1242ICC500	AR1242ICC500	10/08/2024	18:55	PP067596.D	10.67	4.75
AR1242ICC250	AR1242ICC250	10/08/2024	19:12	PP067597.D	10.67	4.76
AR1242ICC050	AR1242ICC050	10/08/2024	19:28	PP067598.D	10.67	4.75
AR1248ICC1000	AR1248ICC1000	10/08/2024	19:44	PP067599.D	10.67	4.75
AR1248ICC750	AR1248ICC750	10/08/2024	20:00	PP067600.D	10.67	4.75
AR1248ICC500	AR1248ICC500	10/08/2024	20:16	PP067601.D	10.67	4.75
AR1248ICC250	AR1248ICC250	10/08/2024	20:32	PP067602.D	10.67	4.75
AR1248ICC050	AR1248ICC050	10/08/2024	20:49	PP067603.D	10.66	4.75
AR1254ICC1000	AR1254ICC1000	10/08/2024	21:05	PP067604.D	10.67	4.76
AR1254ICC750	AR1254ICC750	10/08/2024	21:21	PP067605.D	10.67	4.75
AR1254ICC500	AR1254ICC500	10/08/2024	21:37	PP067606.D	10.67	4.75
AR1254ICC250	AR1254ICC250	10/08/2024	21:53	PP067607.D	10.67	4.75
AR1254ICC050	AR1254ICC050	10/08/2024	22:09	PP067608.D	10.66	4.75
AR1262ICC500	AR1262ICC500	10/08/2024	22:25	PP067609.D	10.66	4.75
AR1268ICC1000	AR1268ICC1000	10/08/2024	22:42	PP067610.D	10.67	4.76
AR1268ICC750	AR1268ICC750	10/08/2024	22:58	PP067611.D	10.67	4.75
AR1268ICC500	AR1268ICC500	10/08/2024	23:14	PP067612.D	10.67	4.75
AR1268ICC250	AR1268ICC250	10/08/2024	23:30	PP067613.D	10.67	4.75
AR1268ICC050	AR1268ICC050	10/08/2024	23:46	PP067614.D	10.67	4.75
AR1660CCC500	AR1660CCC500	10/22/2024	11:13	PP068120.D	10.68	4.76
IBLK	IBLK	10/22/2024	12:18	PP068124.D	10.67	4.76
PB164310BL	PB164310BL	10/22/2024	13:55	PP068125.D	10.67	4.76
PB164310BS	PB164310BS	10/22/2024	14:11	PP068126.D	10.66	4.75
B-180-SB01	P4471-01	10/22/2024	15:47	PP068132.D	10.66	4.75
AR1660CCC500	AR1660CCC500	10/22/2024	17:19	PP068135.D	10.67	4.76
IBLK	IBLK	10/22/2024	18:23	PP068139.D	10.67	4.76
BP-F-6MS	P4472-05MS	10/22/2024	18:55	PP068141.D	10.67	4.76
BP-F-6MSD	P4472-05MSD	10/22/2024	19:12	PP068142.D	10.67	4.76
AR1660CCC500	AR1660CCC500	10/22/2024	20:43	PP068145.D	10.67	4.76
IBLK	IBLK	10/22/2024	21:47	PP068149.D	10.67	4.76
AR1660CCC500	AR1660CCC500	10/23/2024	09:30	PP068151.D	10.67	4.76
IBLK	IBLK	10/23/2024	10:34	PP068155.D	10.67	4.76

Analytical Sequence

B-180-SB02	P4471-02	10/23/2024	12:11	PP068156.D	10.67	4.76
AR1660CCC500	AR1660CCC500	10/23/2024	15:57	PP068166.D	10.67	4.76
I.BLK	I.BLK	10/23/2024	17:01	PP068170.D	10.67	4.76

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: P4471
Project: Amtrak Sawtooth Bridges 2024	Instrument ID: ECD_P
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/08/2024 10/08/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/08/2024	16:14	PP067586.D	9.22	4.05
AR1660ICC1000	AR1660ICC1000	10/08/2024	16:30	PP067587.D	9.22	4.05
AR1660ICC750	AR1660ICC750	10/08/2024	16:46	PP067588.D	9.22	4.05
AR1660ICC500	AR1660ICC500	10/08/2024	17:02	PP067589.D	9.22	4.05
AR1660ICC250	AR1660ICC250	10/08/2024	17:19	PP067590.D	9.22	4.05
AR1660ICC050	AR1660ICC050	10/08/2024	17:35	PP067591.D	9.22	4.05
AR1221ICC500	AR1221ICC500	10/08/2024	17:51	PP067592.D	9.22	4.05
AR1232ICC500	AR1232ICC500	10/08/2024	18:07	PP067593.D	9.22	4.05
AR1242ICC1000	AR1242ICC1000	10/08/2024	18:23	PP067594.D	9.22	4.05
AR1242ICC750	AR1242ICC750	10/08/2024	18:39	PP067595.D	9.22	4.05
AR1242ICC500	AR1242ICC500	10/08/2024	18:55	PP067596.D	9.22	4.05
AR1242ICC250	AR1242ICC250	10/08/2024	19:12	PP067597.D	9.22	4.05
AR1242ICC050	AR1242ICC050	10/08/2024	19:28	PP067598.D	9.22	4.05
AR1248ICC1000	AR1248ICC1000	10/08/2024	19:44	PP067599.D	9.22	4.05
AR1248ICC750	AR1248ICC750	10/08/2024	20:00	PP067600.D	9.22	4.05
AR1248ICC500	AR1248ICC500	10/08/2024	20:16	PP067601.D	9.22	4.05
AR1248ICC250	AR1248ICC250	10/08/2024	20:32	PP067602.D	9.22	4.05
AR1248ICC050	AR1248ICC050	10/08/2024	20:49	PP067603.D	9.22	4.05
AR1254ICC1000	AR1254ICC1000	10/08/2024	21:05	PP067604.D	9.22	4.05
AR1254ICC750	AR1254ICC750	10/08/2024	21:21	PP067605.D	9.22	4.05
AR1254ICC500	AR1254ICC500	10/08/2024	21:37	PP067606.D	9.22	4.05
AR1254ICC250	AR1254ICC250	10/08/2024	21:53	PP067607.D	9.22	4.05
AR1254ICC050	AR1254ICC050	10/08/2024	22:09	PP067608.D	9.22	4.05
AR1262ICC500	AR1262ICC500	10/08/2024	22:25	PP067609.D	9.22	4.05
AR1268ICC1000	AR1268ICC1000	10/08/2024	22:42	PP067610.D	9.22	4.05
AR1268ICC750	AR1268ICC750	10/08/2024	22:58	PP067611.D	9.22	4.05
AR1268ICC500	AR1268ICC500	10/08/2024	23:14	PP067612.D	9.22	4.05
AR1268ICC250	AR1268ICC250	10/08/2024	23:30	PP067613.D	9.22	4.05
AR1268ICC050	AR1268ICC050	10/08/2024	23:46	PP067614.D	9.22	4.05
AR1660CCC500	AR1660CCC500	10/22/2024	11:13	PP068120.D	9.21	4.05
IBLK	IBLK	10/22/2024	12:18	PP068124.D	9.21	4.05
PB164310BL	PB164310BL	10/22/2024	13:55	PP068125.D	9.21	4.05
PB164310BS	PB164310BS	10/22/2024	14:11	PP068126.D	9.21	4.05
B-180-SB01	P4471-01	10/22/2024	15:47	PP068132.D	9.21	4.05
AR1660CCC500	AR1660CCC500	10/22/2024	17:19	PP068135.D	9.21	4.05
IBLK	IBLK	10/22/2024	18:23	PP068139.D	9.21	4.05
BP-F-6MS	P4472-05MS	10/22/2024	18:55	PP068141.D	9.21	4.05
BP-F-6MSD	P4472-05MSD	10/22/2024	19:12	PP068142.D	9.21	4.05
AR1660CCC500	AR1660CCC500	10/22/2024	20:43	PP068145.D	9.21	4.05
IBLK	IBLK	10/22/2024	21:47	PP068149.D	9.21	4.05
AR1660CCC500	AR1660CCC500	10/23/2024	09:30	PP068151.D	9.21	4.05
IBLK	IBLK	10/23/2024	10:34	PP068155.D	9.21	4.05

Analytical Sequence

B-180-SB02	P4471-02	10/23/2024	12:11	PP068156.D	9.21	4.05
AR1660CCC500	AR1660CCC500	10/23/2024	15:57	PP068166.D	9.21	4.05
I.BLK	I.BLK	10/23/2024	17:01	PP068170.D	9.21	4.05

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164310BS

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Lab Sample ID: PB164310BS Date(s) Analyzed: 10/22/2024 10/22/2024

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column: (2): ZB-MR2 ID: 0.32 (mm)

Data file PP068126.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.918	5.868	5.968	131	130	3.03
COLUMN 1	2	5.939	5.889	5.989	136		
	3	6.003	5.953	6.053	130		
	4	6.101	6.051	6.151	132		
	5	6.396	6.346	6.446	122		
	1	5.157	5.107	5.207	136		
COLUMN 2	2	5.177	5.127	5.227	142	134	
	3	5.357	5.307	5.407	139		
	4	5.396	5.346	5.446	126		
	5	5.615	5.565	5.665	125		
Aroclor-1260	1	7.518	7.468	7.568	163	125	5.45
COLUMN 1	2	7.771	7.721	7.821	133		
	3	8.133	8.083	8.183	105		
	4	8.369	8.319	8.419	108		
	5	8.708	8.658	8.758	116		
	1	6.658	6.608	6.708	135		
COLUMN 2	2	6.845	6.795	6.895	135	132	
	3	7.002	6.952	7.052	140		
	4	7.477	7.427	7.527	123		
	5	7.715	7.665	7.765	129		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

BP-F-6MS

Contract: PORT06

Lab Code: CHEM

Case No.: P4471

SAS No.: P4471

SDG NO.: P4471

Lab Sample ID: P4472-05MS

Date(s) Analyzed: 10/22/2024

10/22/2024

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

Data file PP068141.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.92	5.87	5.97	169	167	4.91
COLUMN 1	2	5.942	5.892	5.992	175		
	3	6.006	5.956	6.056	169		
	4	6.104	6.054	6.154	165		
	5	6.398	6.348	6.448	157		
COLUMN 2	1	5.157	5.107	5.207	162	159	
	2	5.177	5.127	5.227	161		
	3	5.358	5.308	5.408	162		
	4	5.397	5.347	5.447	157		
	5	5.616	5.566	5.666	154		
Aroclor-1260	1	7.521	7.471	7.571	168	149	1.35
COLUMN 1	2	7.774	7.724	7.824	161		
	3	8.135	8.085	8.185	135		
	4	8.373	8.323	8.423	140		
	5	8.71	8.66	8.76	141		
COLUMN 2	1	6.659	6.609	6.709	156	147	
	2	6.845	6.795	6.895	156		
	3	7.003	6.953	7.053	156		
	4	7.478	7.428	7.528	133		
	5	7.716	7.666	7.766	136		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

BP-F-6MSD

Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Lab Sample ID: P4472-05MSD Date(s) Analyzed: 10/22/2024 10/22/2024

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column: (2): ZB-MR2 ID: 0.32 (mm)

Data file PP068142.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.92	5.87	5.97	170	169	7.36
COLUMN 1	2	5.942	5.892	5.992	176		
	3	6.006	5.956	6.056	171		
	4	6.104	6.054	6.154	168		
	5	6.398	6.348	6.448	161		
	1	5.157	5.107	5.207	158		
COLUMN 2	2	5.177	5.127	5.227	159	157	
	3	5.358	5.308	5.408	160		
	4	5.397	5.347	5.447	155		
	5	5.616	5.566	5.666	151		
Aroclor-1260	1	7.522	7.472	7.572	164	147	2.06
COLUMN 1	2	7.775	7.725	7.825	159		
	3	8.136	8.086	8.186	135		
	4	8.374	8.324	8.424	140		
	5	8.711	8.661	8.761	139		
	1	6.659	6.609	6.709	152	144	
COLUMN 2	2	6.846	6.796	6.896	152		
	3	7.003	6.953	7.053	151		
	4	7.477	7.427	7.527	130		
	5	7.716	7.666	7.766	134		



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102224\
 Data File : PP068132.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Oct 2024 15:47
 Operator : YP\AJ
 Sample : P4471-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 B-180-SB01

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/23/2024
 Supervised By :Ankita Jodhani 10/23/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 01:48:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.051	18480019	18446449	19.965	18.257
2) SA Decachlor...	10.663	9.209	18788609	16373885	16.319m	14.601

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102224\
Data File : PP068132.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2024 15:47
Operator : YP\AJ
Sample : P4471-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

B-180-SB01

Manual Integrations

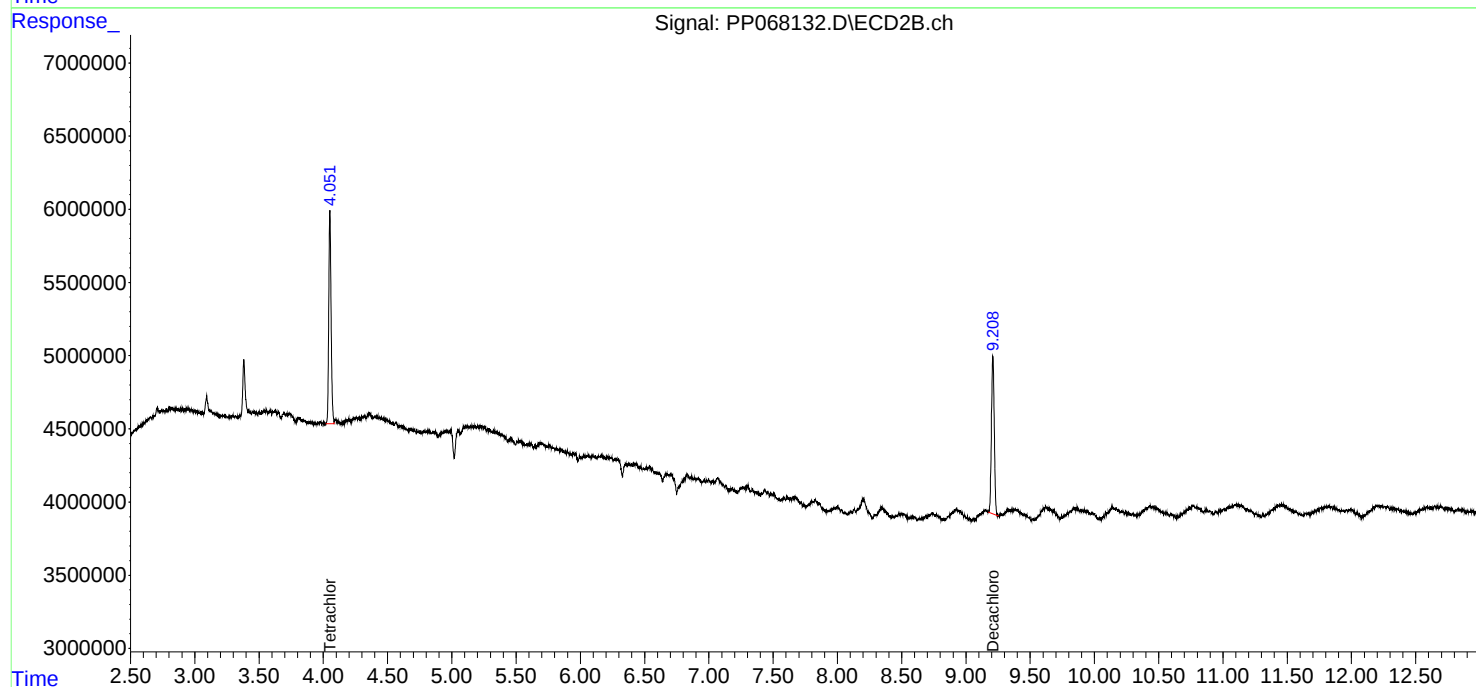
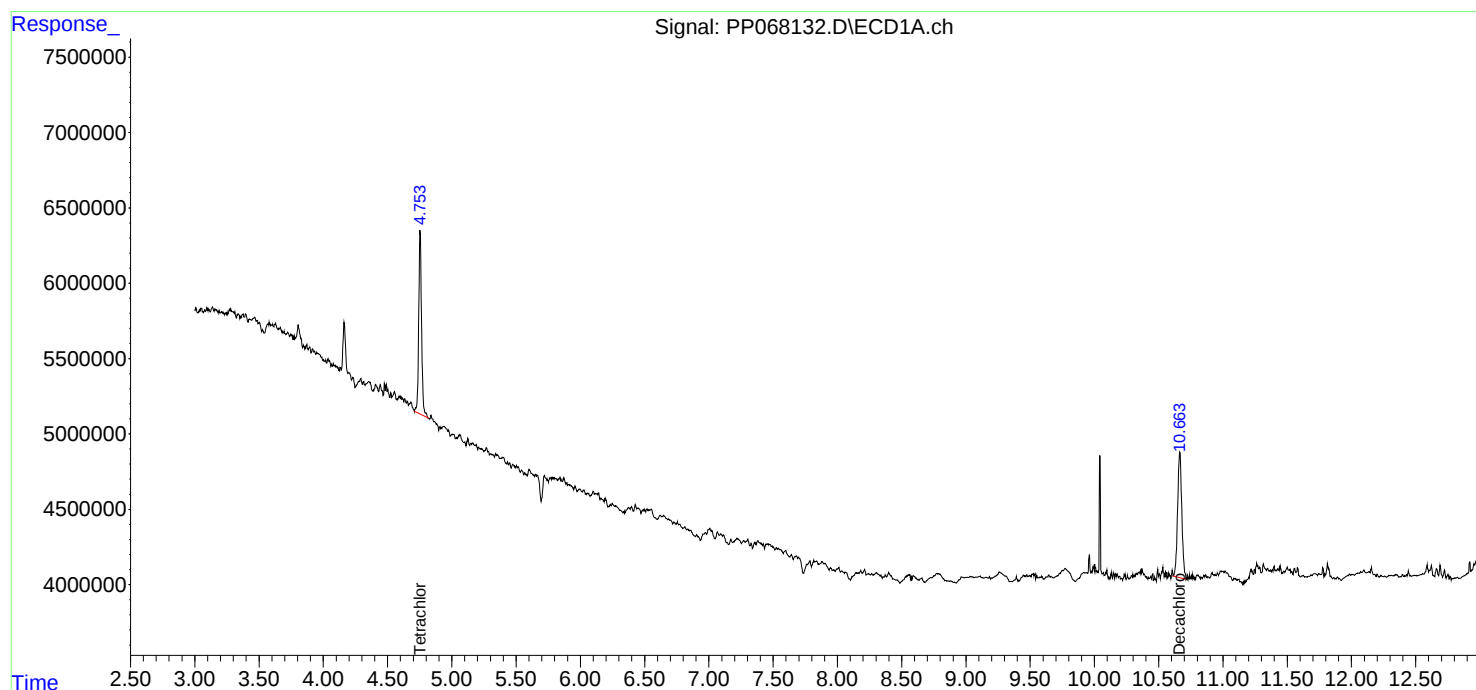
APPROVED

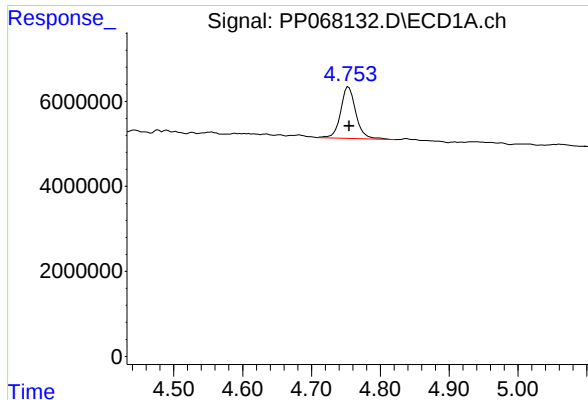
Reviewed By :Yogesh Patel 10/23/2024

Supervised By :Ankita Jodhani 10/23/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 01:48:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





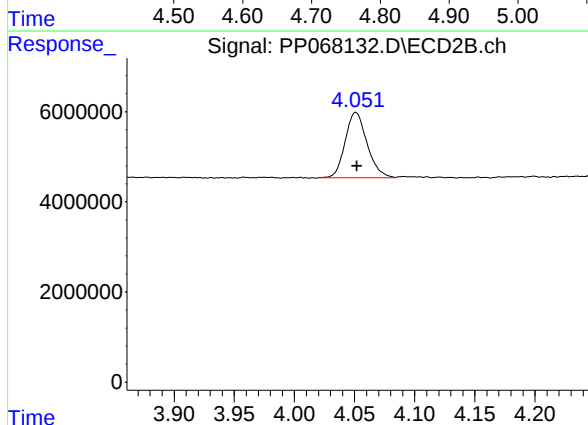
#1 Tetrachloro-m-xylene

R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 18480019
Conc: 19.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
B-180-SB01

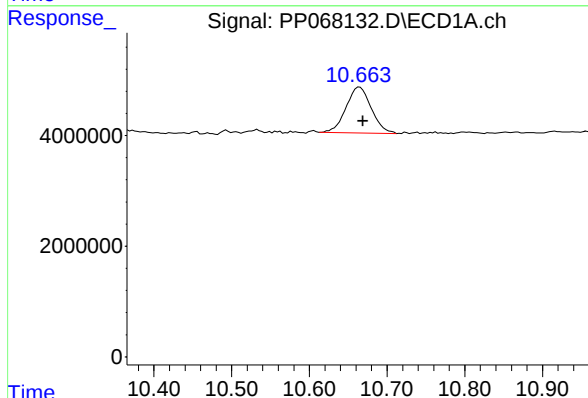
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024



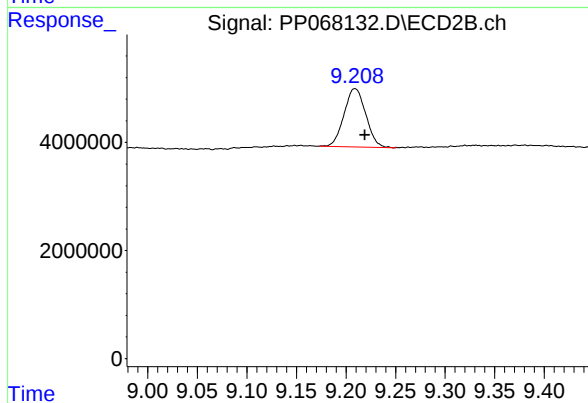
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 18446449
Conc: 18.26 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.663 min
Delta R.T.: -0.006 min
Response: 18788609
Conc: 16.32 ng/ml m



#2 Decachlorobiphenyl

R.T.: 9.209 min
Delta R.T.: -0.010 min
Response: 16373885
Conc: 14.60 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
 Data File : PP068156.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2024 12:11
 Operator : YP\AJ
 Sample : P4471-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 B-180-SB02

A

B

C

D

E

F

G

H

I

J

K

L

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 21:39:11 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.757	4.051	10424736	10991976	11.262	10.879
2) SA Decachlor...	10.672	9.211	8204337	8416786	7.126	7.505

Target Compounds

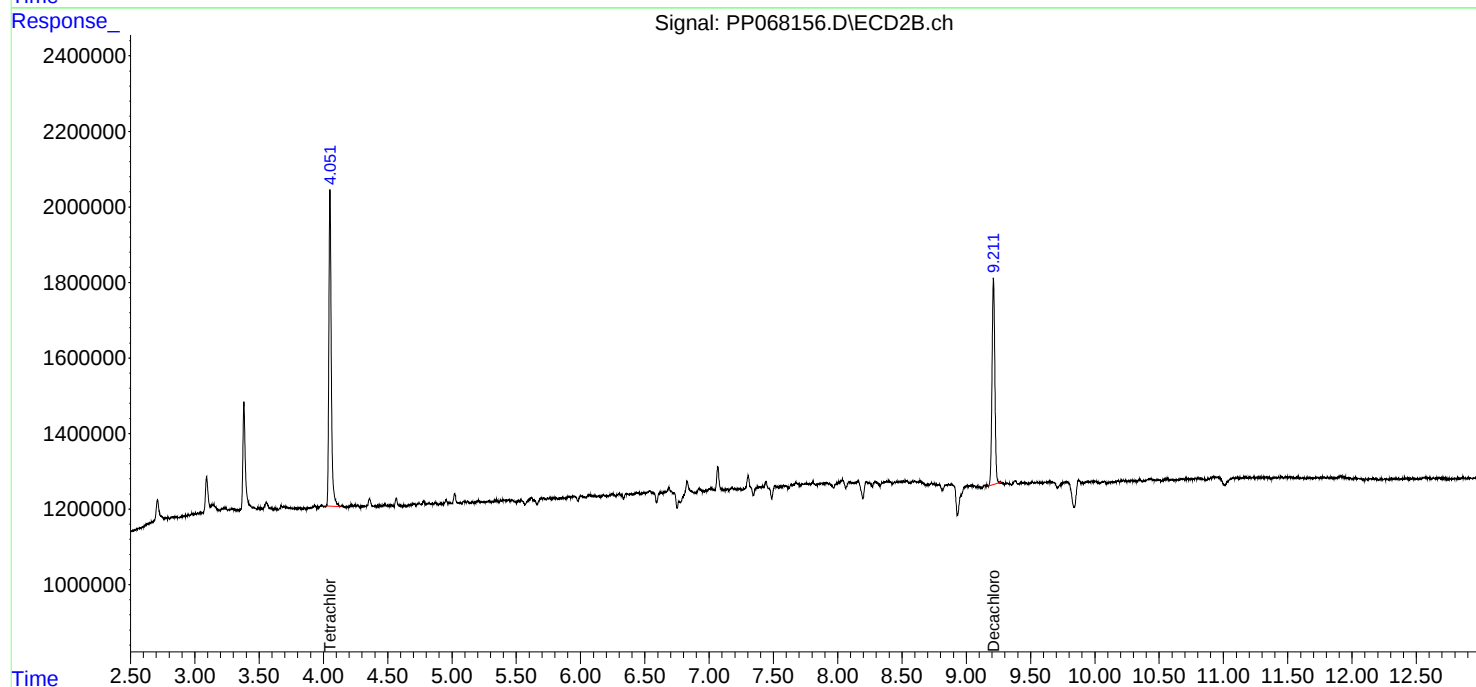
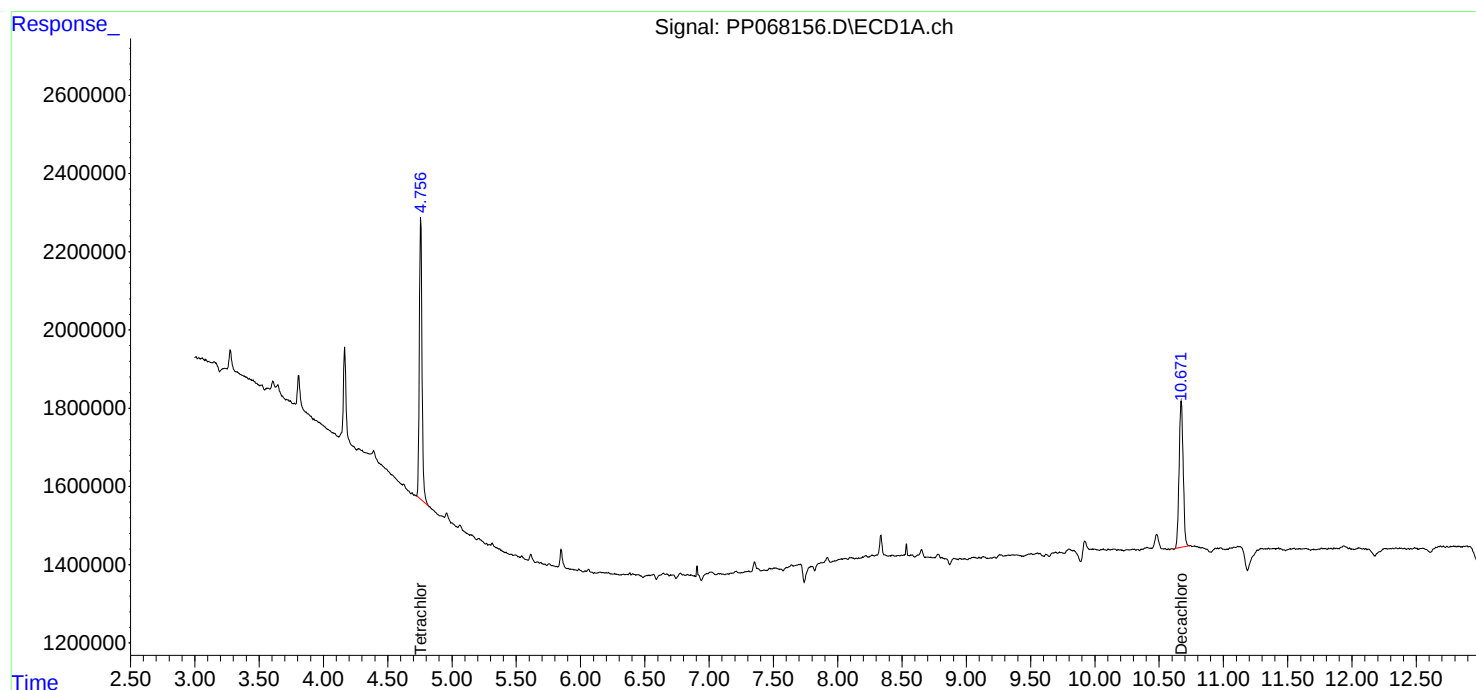
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

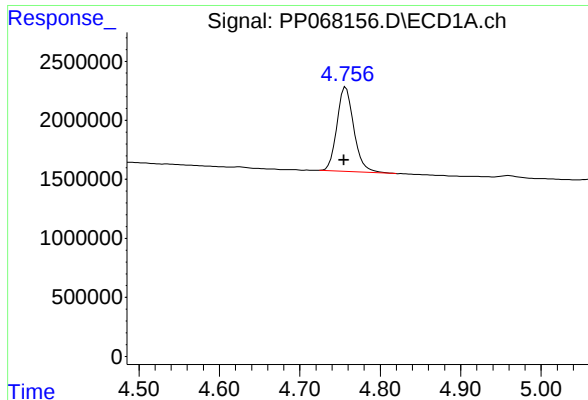
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
Data File : PP068156.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 12:11
Operator : YP\AJ
Sample : P4471-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
B-180-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 21:39:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

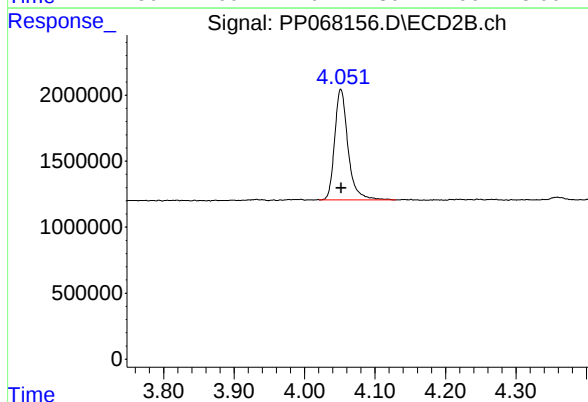




#1 Tetrachloro-m-xylene

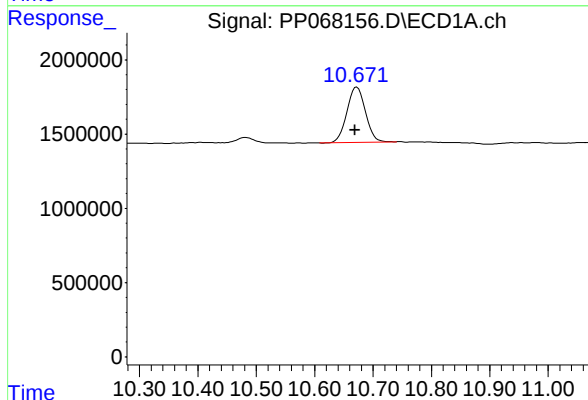
R.T.: 4.757 min
Delta R.T.: 0.002 min
Response: 10424736
Conc: 11.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
B-180-SB02



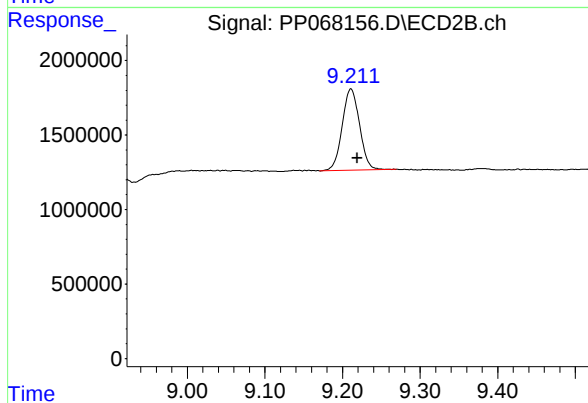
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 10991976
Conc: 10.88 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.672 min
Delta R.T.: 0.003 min
Response: 8204337
Conc: 7.13 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.211 min
Delta R.T.: -0.008 min
Response: 8416786
Conc: 7.51 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102224\
 Data File : PP068125.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Oct 2024 13:55
 Operator : YP\AJ
 Sample : PB164310BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB164310BL

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Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 01:44:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.756	4.050	18601160	19185201	20.095	18.988
2) SA Decachlor...	10.666	9.208	19751616	20871241	17.156	18.611

Target Compounds

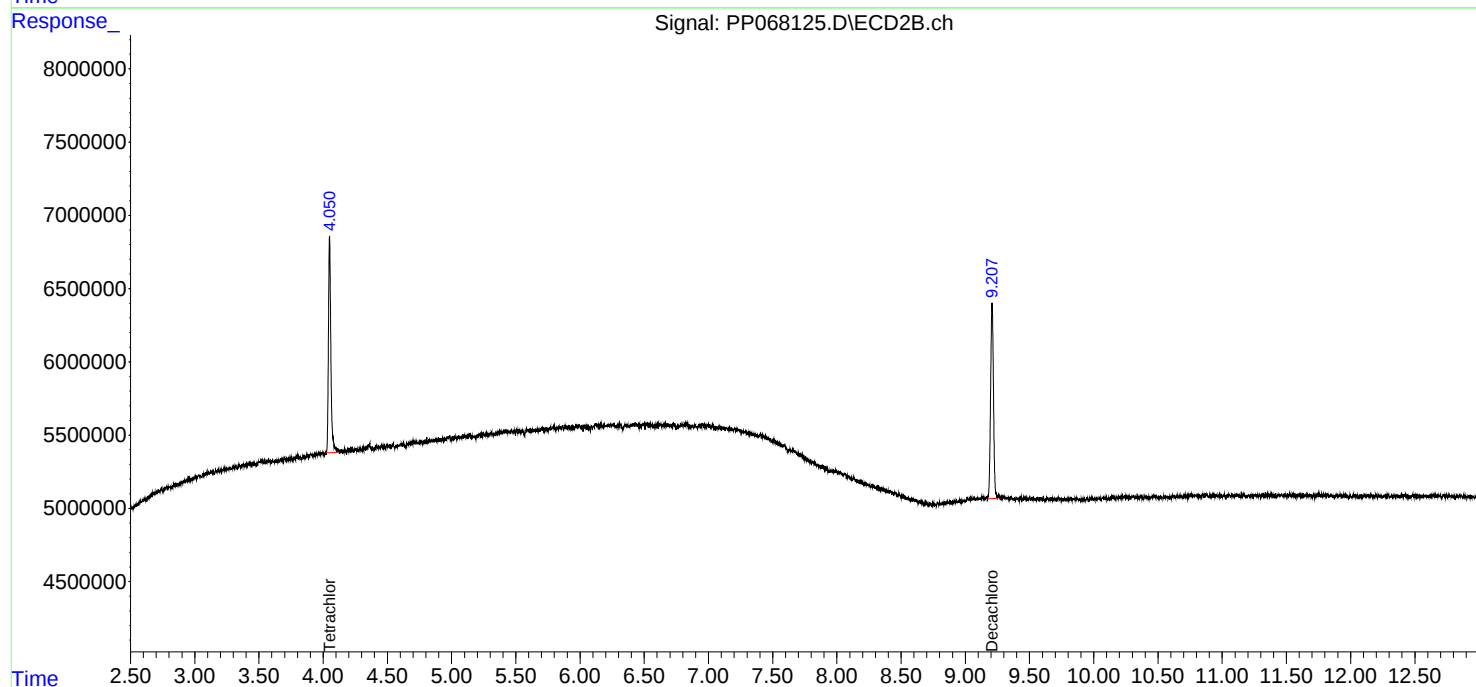
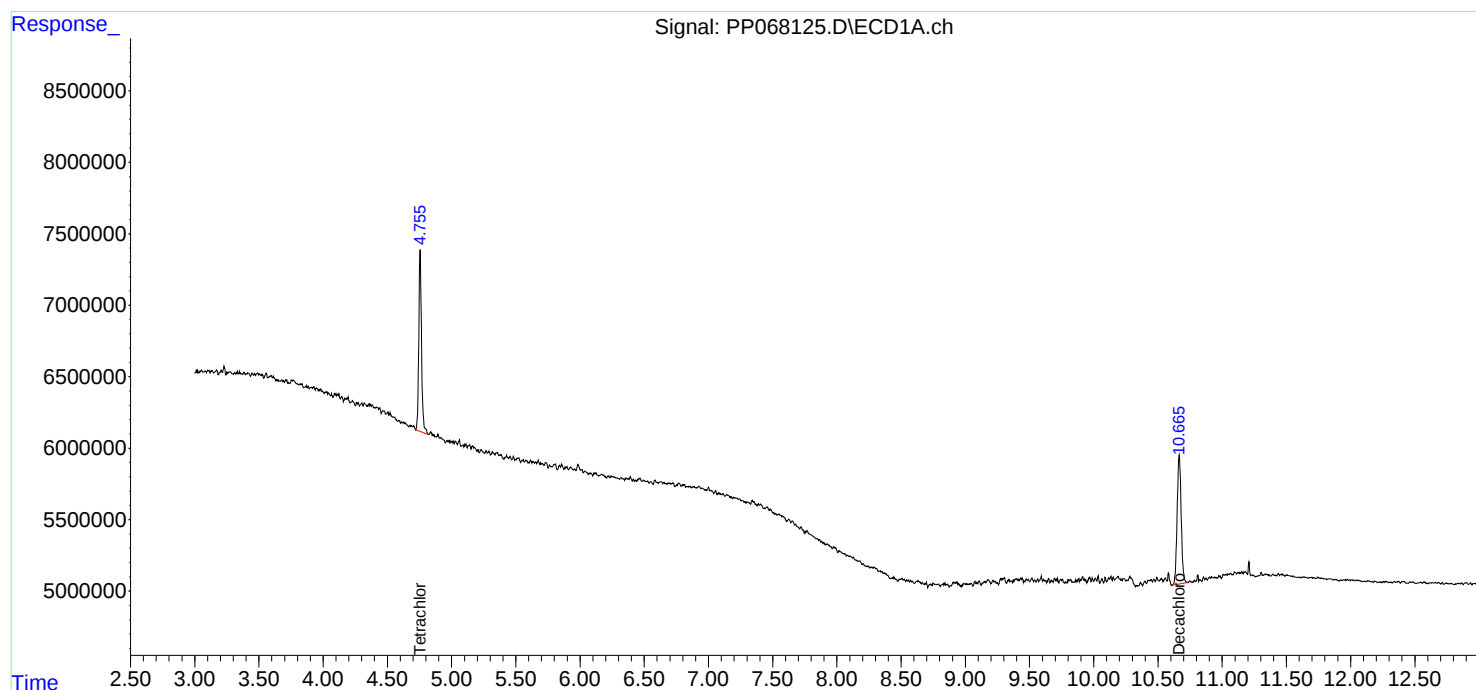
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

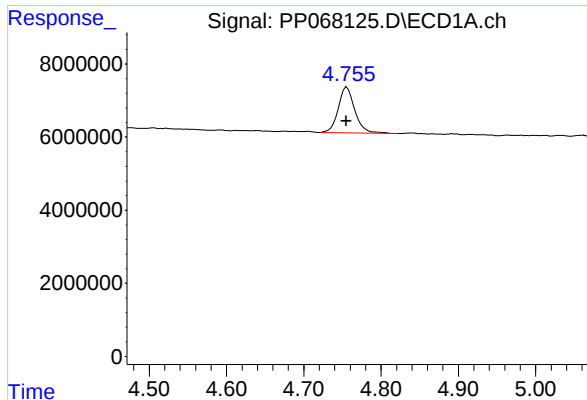
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102224\
Data File : PP068125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2024 13:55
Operator : YP\AJ
Sample : PB164310BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB164310BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 01:44:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

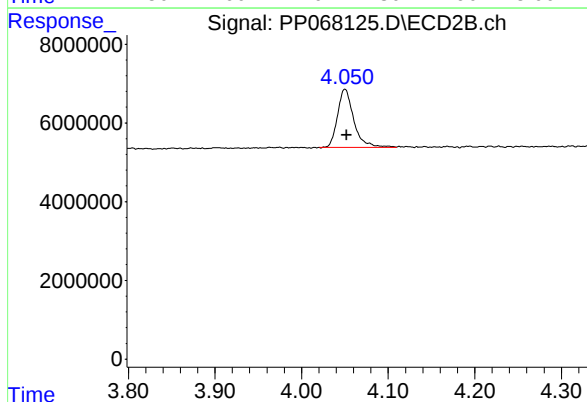




#1 Tetrachloro-m-xylene

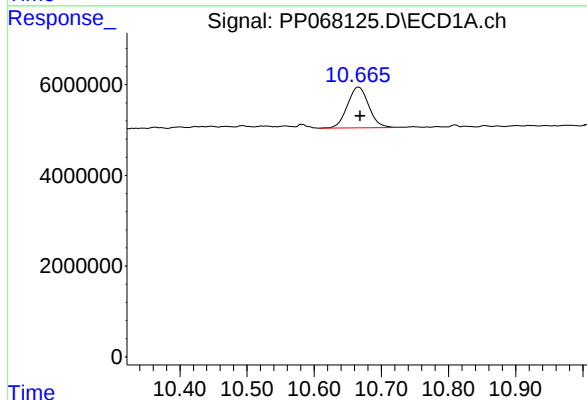
R.T.: 4.756 min
Delta R.T.: 0.001 min
Response: 18601160
Conc: 20.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB164310BL



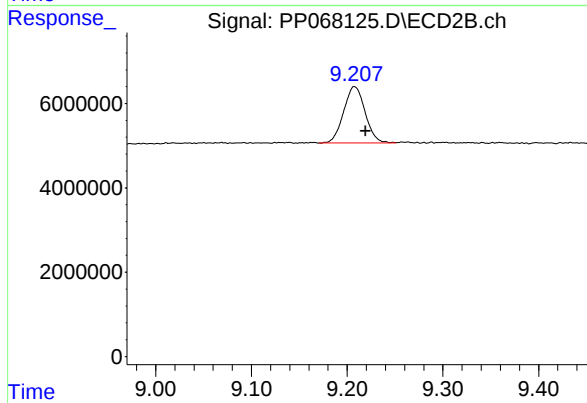
#1 Tetrachloro-m-xylene

R.T.: 4.050 min
Delta R.T.: -0.002 min
Response: 19185201
Conc: 18.99 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: -0.002 min
Response: 19751616
Conc: 17.16 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.208 min
Delta R.T.: -0.011 min
Response: 20871241
Conc: 18.61 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102224\
 Data File : PP068126.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Oct 2024 14:11
 Operator : YP\AJ
 Sample : PB164310BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

PB164310BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :Ankita Jodhani 10/23/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 01:44:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.754	4.050	18505484	18933071	19.992	18.738
2) SA Decachlor...	10.662	9.207	20150562	20744079	17.502	18.497
Target Compounds						
3) L1 AR-1016-1	5.918	5.157	13045873	14234285	394.532	406.842
4) L1 AR-1016-2	5.939	5.177	19885584	20572542	407.735	427.095
5) L1 AR-1016-3	6.003	5.357	12267213	11257808	389.288	417.923
6) L1 AR-1016-4	6.101	5.396	10178439	9122313	395.377	378.753
7) L1 AR-1016-5	6.396	5.615	9892125	11417450	365.469	375.452
31) L7 AR-1260-1	7.518	6.658	26391629	23144099	488.520	406.308
32) L7 AR-1260-2	7.771	6.845	25278795	27062890	399.533	405.714
33) L7 AR-1260-3	8.133	7.002	16328049	26709746	314.916	419.298 #
34) L7 AR-1260-4	8.369	7.477	19539635	20455126	324.609m	369.942
35) L7 AR-1260-5	8.708	7.715	37663808	47310155	349.671	386.841

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102224\
Data File : PP068126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2024 14:11
Operator : YP\AJ
Sample : PB164310BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

PB164310BS

Manual Integrations

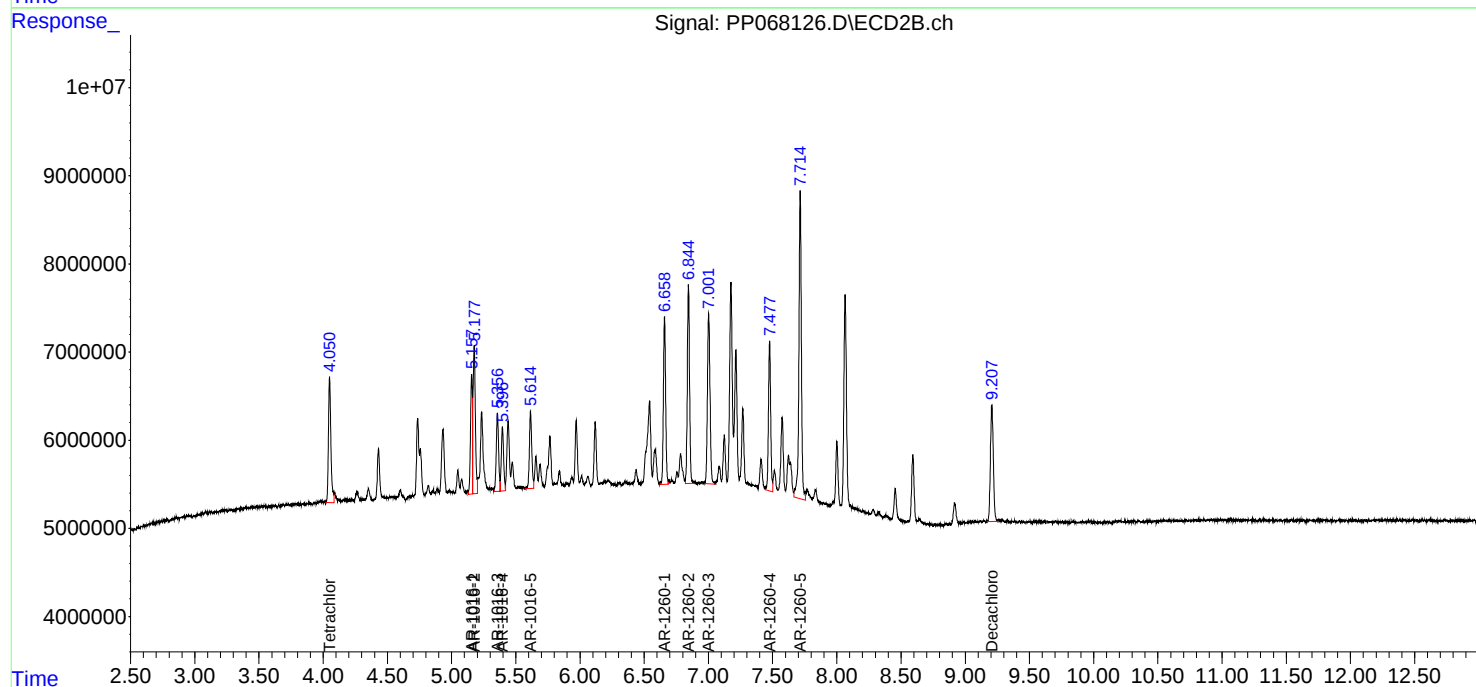
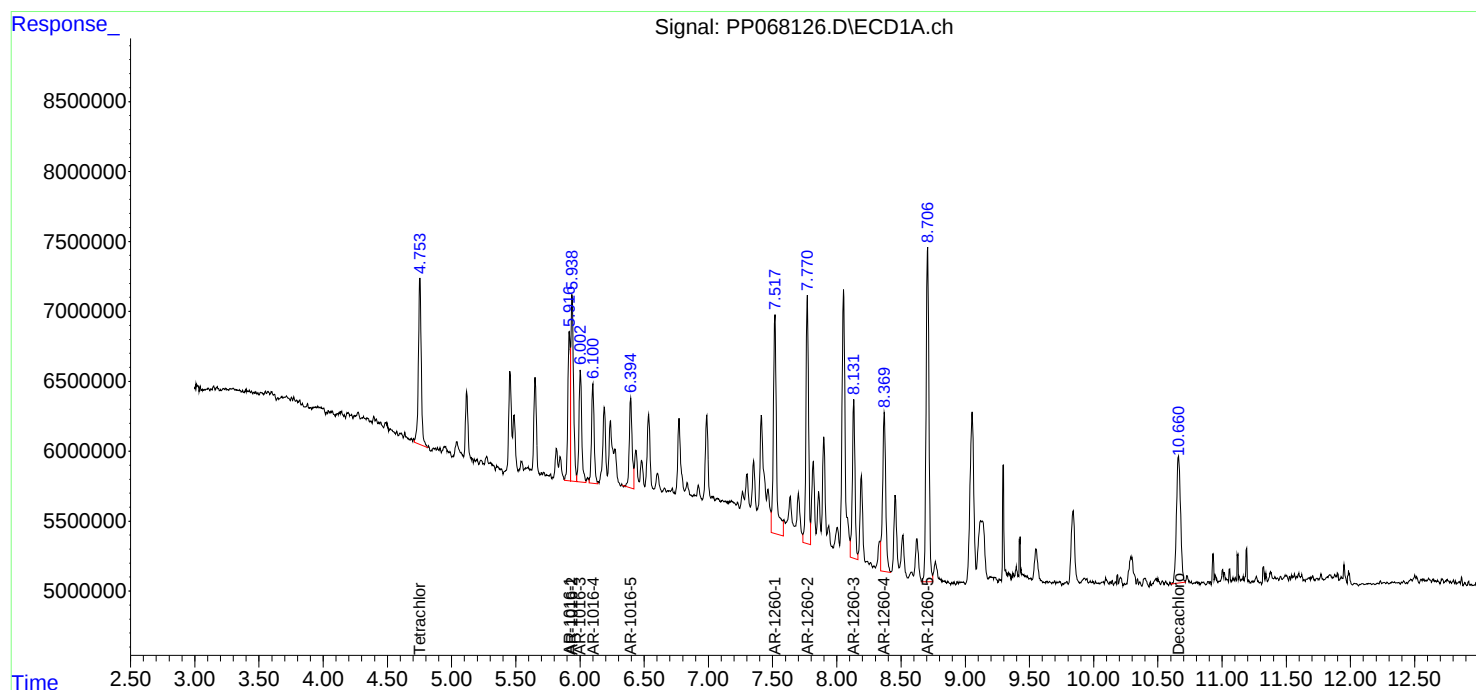
APPROVED

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :Ankita Jodhani 10/23/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 01:44:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102224\
 Data File : PP068141.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Oct 2024 18:55
 Operator : YP\AJ
 Sample : P4472-05MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 BP-F-6MS

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Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 01:53:41 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.755	4.050	19474857	18462588	21.039	18.273
2) SA Decachlor...	10.666	9.209	23120073	20897680	20.082	18.634
Target Compounds						
3) L1 AR-1016-1	5.920	5.157	15304466	15548556	462.836	444.406
4) L1 AR-1016-2	5.942	5.177	23406774	21224356	479.934	440.627
5) L1 AR-1016-3	6.006	5.358	14535440	11958651	461.268	443.941
6) L1 AR-1016-4	6.104	5.397	11641708	10369169	452.217	430.522
7) L1 AR-1016-5	6.398	5.616	11649536	12823188	430.398	421.679
31) L7 AR-1260-1	7.521	6.659	24872592	24284973	460.402	426.337
32) L7 AR-1260-2	7.774	6.845	27811462	28495834	439.562	427.196
33) L7 AR-1260-3	8.135	7.003	19179490	27101124	369.912	425.442
34) L7 AR-1260-4	8.373	7.478	23126992	20146238	384.205	364.356
35) L7 AR-1260-5	8.710	7.716	41465889	45645131	384.970	373.227

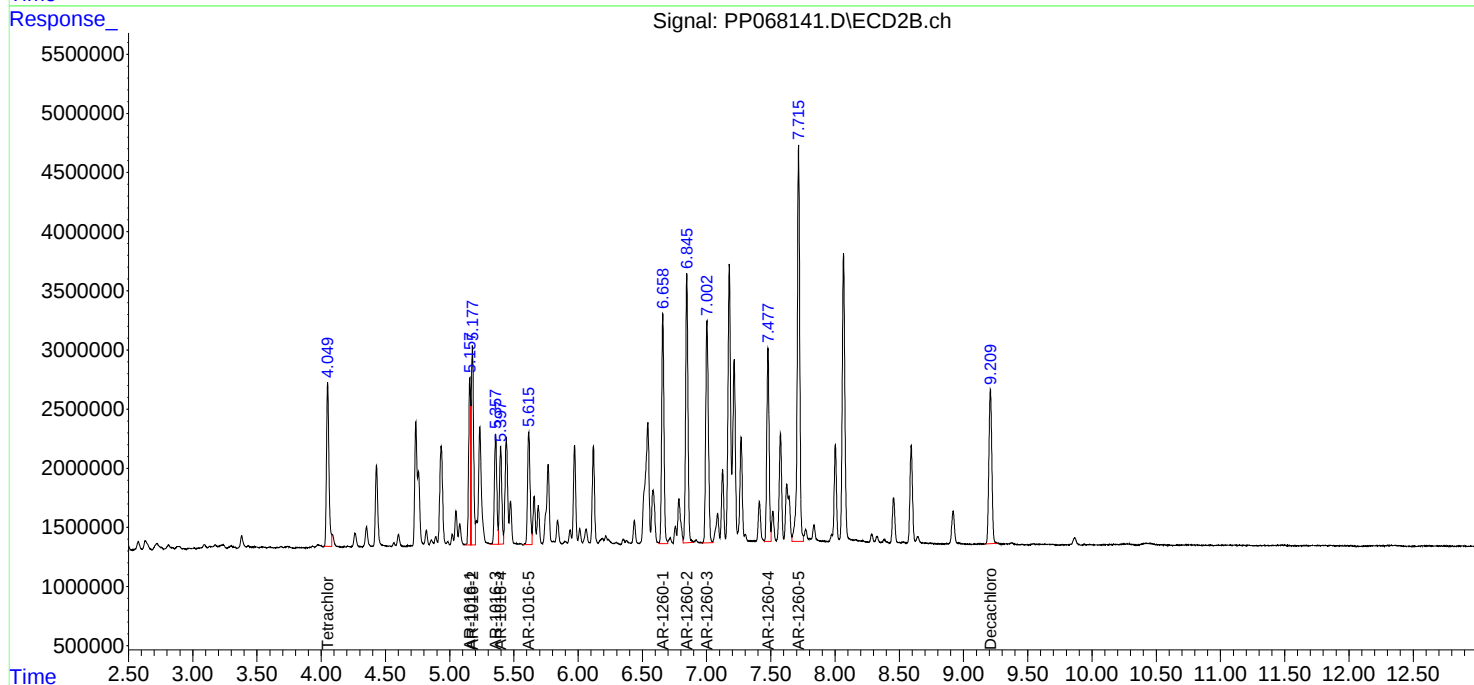
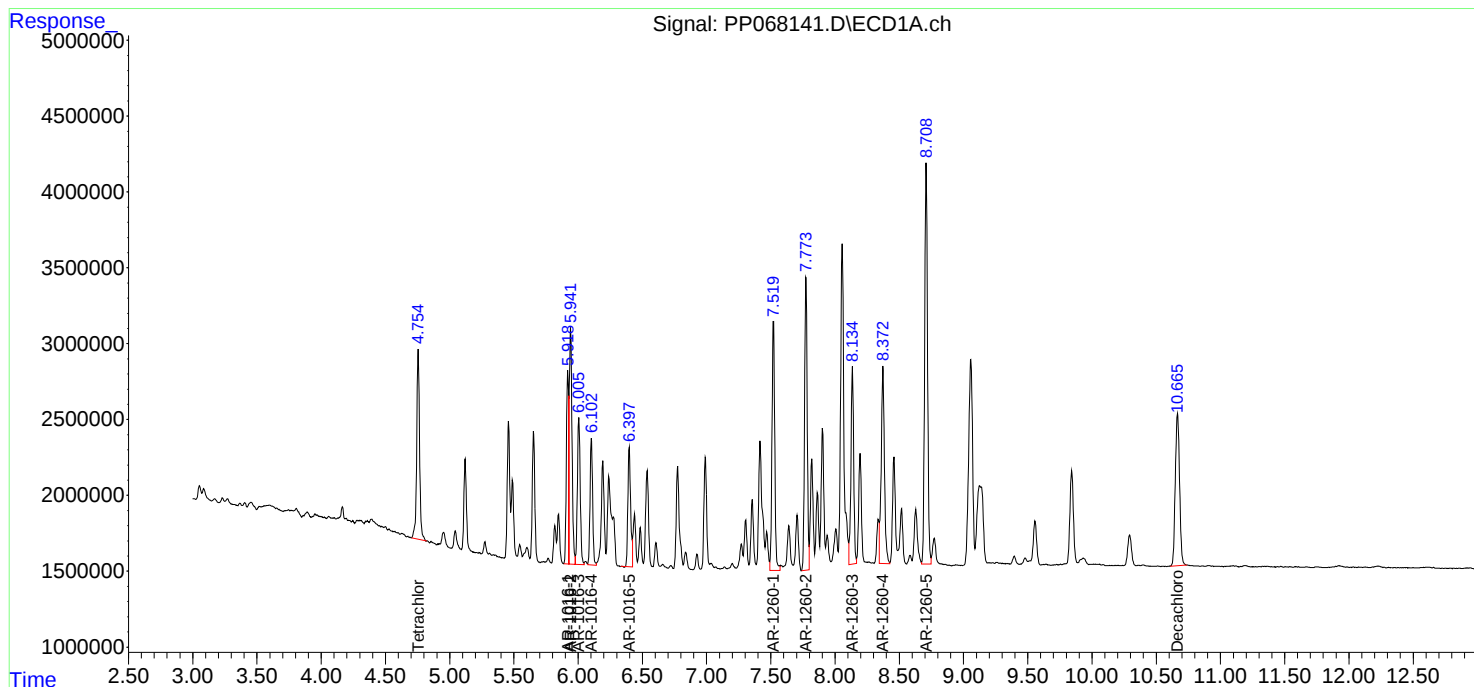
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102224\
Data File : PP068141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2024 18:55
Operator : YP\AJ
Sample : P4472-05MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
BP-F-6MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 01:53:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102224\
 Data File : PP068142.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Oct 2024 19:12
 Operator : YP\AJ
 Sample : P4472-05MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

BP-F-6MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :Ankita Jodhani 10/23/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 01:54:18 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Oct 09 05:48:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.756	4.049	19699235	18420217	21.282	18.231m
2) SA Decachlor...	10.667	9.208	23158595	21033514	20.115	18.756

Target Compounds						
3) L1 AR-1016-1	5.920	5.157	15360518	15170215	464.532	433.593
4) L1 AR-1016-2	5.942	5.177	23517308	20995796	482.200	435.882
5) L1 AR-1016-3	6.006	5.358	14718609	11807634	467.080	438.335
6) L1 AR-1016-4	6.104	5.397	11865472	10245991	460.909	425.408
7) L1 AR-1016-5	6.398	5.616	11891692	12529652	439.344	412.026
31) L7 AR-1260-1	7.522	6.659	24237719	23769241	448.650	417.283
32) L7 AR-1260-2	7.775	6.846	27514166	27759723	434.864	416.160
33) L7 AR-1260-3	8.136	7.003	19144491	26365667	369.237	413.896
34) L7 AR-1260-4	8.374	7.477	23039580	19730283	382.753	356.833
35) L7 AR-1260-5	8.711	7.716	41014543	44904167	380.779	367.168

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102224\
Data File : PP068142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2024 19:12
Operator : YP\AJ
Sample : P4472-05MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

BP-F-6MSD

Manual Integrations

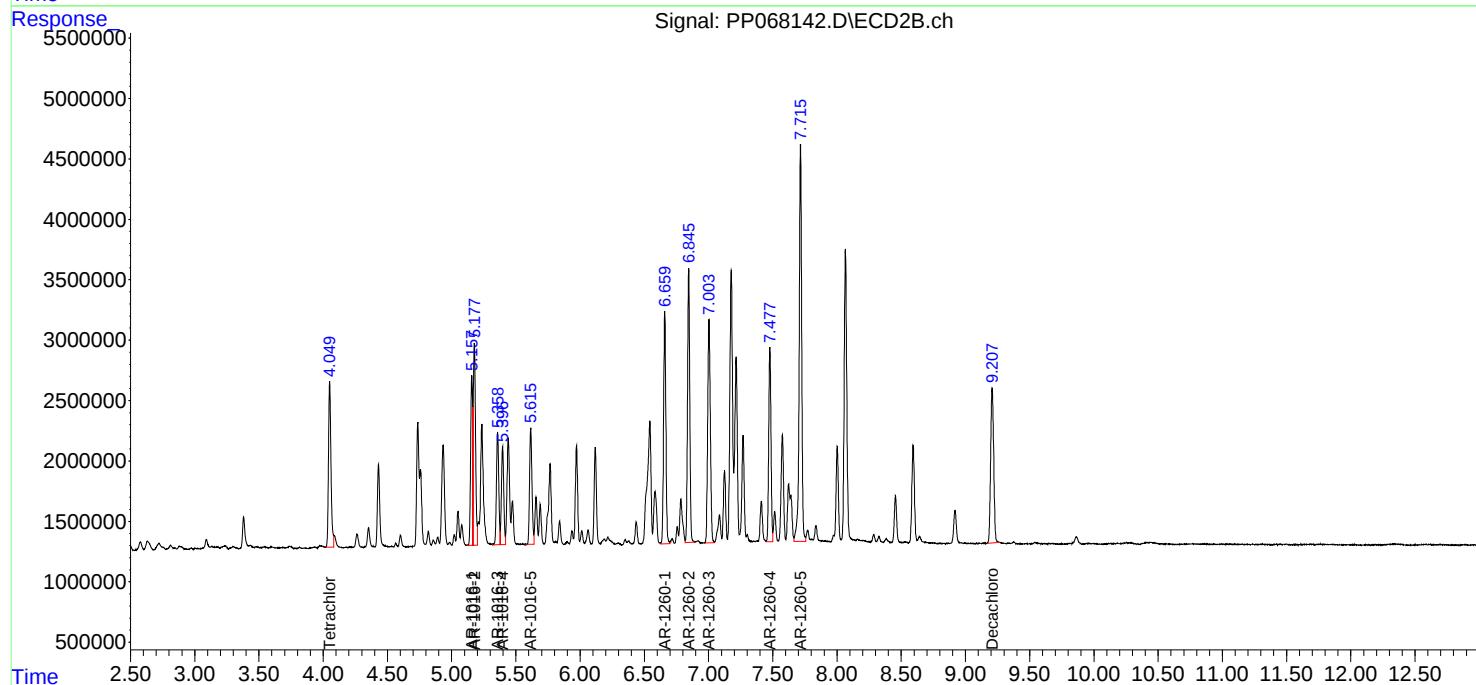
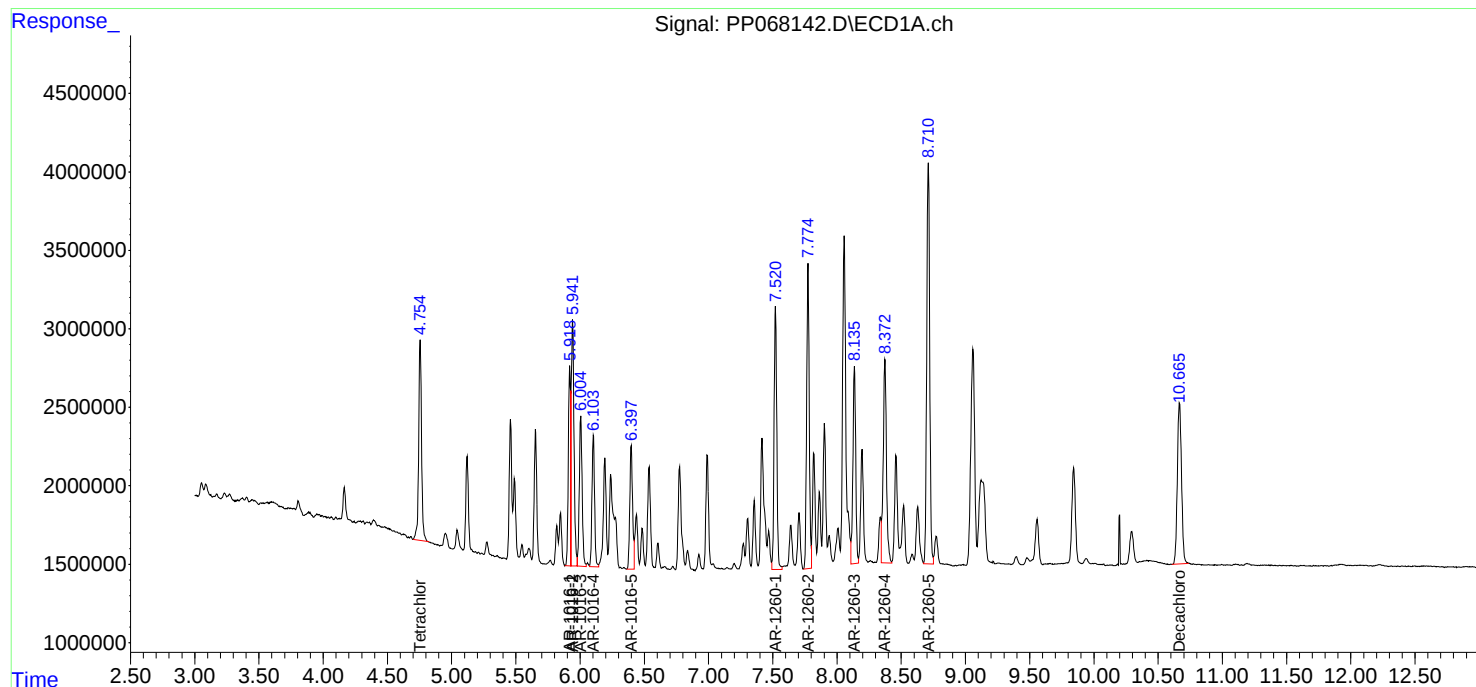
APPROVED

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :Ankita Jodhani 10/23/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 01:54:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Manual Integration Report

Sequence:	pp100824	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PP067590.D	AR-1016-5 #2	yogesh	10/9/2024 8:24:09 AM	Ankita	10/9/2024 9:46:08	Peak Integrated by Software
AR1660ICC050	PP067591.D	AR-1016-5 #2	yogesh	10/9/2024 8:24:11 AM	Ankita	10/9/2024 9:46:09	Peak Integrated by Software
AR1242ICC500	PP067596.D	Tetrachloro-m-xylene	yogesh	10/9/2024 8:24:13 AM	Ankita	10/9/2024 9:46:11	Peak Integrated by Software
AR1242ICC050	PP067598.D	Tetrachloro-m-xylene	yogesh	10/9/2024 8:24:16 AM	Ankita	10/9/2024 9:46:12	Peak Integrated by Software
AR1254ICC750	PP067605.D	AR-1254-5	yogesh	10/9/2024 8:24:18 AM	Ankita	10/9/2024 9:46:13	Peak Integrated by Software
AR1254ICC500	PP067606.D	AR-1254-5	yogesh	10/9/2024 8:24:20 AM	Ankita	10/9/2024 9:46:15	Peak Integrated by Software
AR1254ICC050	PP067608.D	AR-1254-1	yogesh	10/9/2024 8:24:22 AM	Ankita	10/9/2024 9:48:32	Peak Integrated by Software
AR1254ICC050	PP067608.D	AR-1254-4 #2	yogesh	10/9/2024 8:24:22 AM	Ankita	10/9/2024 9:48:32	Peak Integrated by Software
AR1262ICC500	PP067609.D	AR-1262-3	yogesh	10/9/2024 8:24:24 AM	Ankita	10/9/2024 9:48:33	Peak Integrated by Software
AR1268ICC1000	PP067610.D	AR-1268-1	yogesh	10/9/2024 8:24:27 AM	Ankita	10/9/2024 9:48:35	Peak Integrated by Software
AR1268ICC1000	PP067610.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:27 AM	Ankita	10/9/2024 9:48:35	Peak Integrated by Software
AR1268ICC750	PP067611.D	AR-1268-1	yogesh	10/9/2024 8:24:29 AM	Ankita	10/9/2024 9:48:36	Peak Integrated by Software
AR1268ICC750	PP067611.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:29 AM	Ankita	10/9/2024 9:48:36	Peak Integrated by Software

Manual Integration Report

Sequence:	pp100824	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1268ICC500	PP067612.D	AR-1268-1	yogesh	10/9/2024 8:24:31 AM	Ankita	10/9/2024 9:48:38	Peak Integrated by Software
AR1268ICC500	PP067612.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:31 AM	Ankita	10/9/2024 9:48:38	Peak Integrated by Software
AR1268ICC250	PP067613.D	AR-1268-1	yogesh	10/9/2024 8:24:33 AM	Ankita	10/9/2024 9:48:39	Peak Integrated by Software
AR1268ICC250	PP067613.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:33 AM	Ankita	10/9/2024 9:48:39	Peak Integrated by Software
AR1268ICC050	PP067614.D	AR-1268-1	yogesh	10/9/2024 8:24:35 AM	Ankita	10/9/2024 9:48:41	Peak Integrated by Software
AR1268ICC050	PP067614.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:35 AM	Ankita	10/9/2024 9:48:41	Peak Integrated by Software
AR1242ICV500	PP067616.D	AR-1242-1 #2	yogesh	10/9/2024 8:24:36 AM	Ankita	10/9/2024 9:48:43	Peak Integrated by Software
AR1242ICV500	PP067616.D	AR-1242-2 #2	yogesh	10/9/2024 8:24:36 AM	Ankita	10/9/2024 9:48:43	Peak Integrated by Software
AR1254ICV500	PP067618.D	AR-1254-4 #2	yogesh	10/9/2024 8:24:38 AM	Ankita	10/9/2024 9:48:44	Peak Integrated by Software
AR1254ICV500	PP067618.D	AR-1254-5	yogesh	10/9/2024 8:24:38 AM	Ankita	10/9/2024 9:48:44	Peak Integrated by Software
AR1268ICV500	PP067619.D	AR-1268-1	yogesh	10/9/2024 8:24:40 AM	Ankita	10/9/2024 9:48:46	Peak Integrated by Software
AR1268ICV500	PP067619.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:40 AM	Ankita	10/9/2024 9:48:46	Peak Integrated by Software



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

Manual Integration Report

Sequence:

pp100824

Instrument

ECD_p

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	pp102224	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP068120.D	AR-1260-4	yogesh	10/23/2024 7:49:52 AM	Ankita	10/23/2024 9:10:54	Peak Integrated by Software
AR1242CCC500	PP068121.D	AR-1242-5	yogesh	10/23/2024 7:49:54 AM	Ankita	10/23/2024 9:10:56	Peak Integrated by Software
AR1254CCC500	PP068123.D	AR-1254-1	yogesh	10/23/2024 7:49:56 AM	Ankita	10/23/2024 9:10:58	Peak Integrated by Software
AR1254CCC500	PP068123.D	AR-1254-5	yogesh	10/23/2024 7:49:56 AM	Ankita	10/23/2024 9:10:58	Peak Integrated by Software
PB164310BS	PP068126.D	AR-1260-4	yogesh	10/23/2024 7:49:58 AM	Ankita	10/23/2024 9:10:59	Peak Integrated by Software
P4471-01	PP068132.D	Decachlorobiphenyl	yogesh	10/23/2024 7:50:06 AM	Ankita	10/23/2024 9:11:06	Peak Integrated by Software
AR1254CCC500	PP068138.D	AR-1254-1	yogesh	10/23/2024 7:50:09 AM	Ankita	10/23/2024 9:11:10	Peak Integrated by Software
P4472-05MSD	PP068142.D	Tetrachloro-m-xylene #2	yogesh	10/23/2024 7:50:11 AM	Ankita	10/23/2024 9:11:11	Peak Integrated by Software
AR1254CCC500	PP068148.D	AR-1254-1	yogesh	10/23/2024 7:50:13 AM	Ankita	10/23/2024 9:11:12	Peak Integrated by Software
AR1254CCC500	PP068148.D	AR-1254-5	yogesh	10/23/2024 7:50:13 AM	Ankita	10/23/2024 9:11:12	Peak Integrated by Software

Manual Integration Report

Sequence:	pp102324	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP068154.D	AR-1254-1	yogesh	10/24/2024 8:28:50 AM	Ankita	10/24/2024 9:29:06	Peak Integrated by Software
AR1254CCC500	PP068154.D	AR-1254-4 #2	yogesh	10/24/2024 8:28:50 AM	Ankita	10/24/2024 9:29:06	Peak Integrated by Software
AR1254CCC500	PP068154.D	AR-1254-5	yogesh	10/24/2024 8:28:50 AM	Ankita	10/24/2024 9:29:06	Peak Integrated by Software
AR1254CCC500	PP068169.D	AR-1254-1	yogesh	10/24/2024 8:28:58 AM	Ankita	10/24/2024 9:29:13	Peak Integrated by Software
AR1254CCC500	PP068169.D	AR-1254-5	yogesh	10/24/2024 8:28:58 AM	Ankita	10/24/2024 9:29:13	Peak Integrated by Software
AR1254CCC500	PP068183.D	AR-1254-1	yogesh	10/24/2024 8:29:10 AM	Ankita	10/24/2024 9:29:24	Peak Integrated by Software
AR1254CCC500	PP068183.D	AR-1254-5	yogesh	10/24/2024 8:29:10 AM	Ankita	10/24/2024 9:29:24	Peak Integrated by Software

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP100824

Review By	yogesh	Review On	10/9/2024 8:24:57 AM
Supervise By	Ankita	Supervise On	10/9/2024 9:49:08 AM
SubDirectory	PP100824	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP067585.D	08 Oct 2024 15:58	YP\AJ	Ok
2	I.BLK	PP067586.D	08 Oct 2024 16:14	YP\AJ	Ok
3	AR1660ICC1000	PP067587.D	08 Oct 2024 16:30	YP\AJ	Ok
4	AR1660ICC750	PP067588.D	08 Oct 2024 16:46	YP\AJ	Ok
5	AR1660ICC500	PP067589.D	08 Oct 2024 17:02	YP\AJ	Ok
6	AR1660ICC250	PP067590.D	08 Oct 2024 17:19	YP\AJ	Ok,M
7	AR1660ICC050	PP067591.D	08 Oct 2024 17:35	YP\AJ	Ok,M
8	AR1221ICC500	PP067592.D	08 Oct 2024 17:51	YP\AJ	Ok
9	AR1232ICC500	PP067593.D	08 Oct 2024 18:07	YP\AJ	Ok
10	AR1242ICC1000	PP067594.D	08 Oct 2024 18:23	YP\AJ	Ok
11	AR1242ICC750	PP067595.D	08 Oct 2024 18:39	YP\AJ	Ok
12	AR1242ICC500	PP067596.D	08 Oct 2024 18:55	YP\AJ	Ok,M
13	AR1242ICC250	PP067597.D	08 Oct 2024 19:12	YP\AJ	Ok
14	AR1242ICC050	PP067598.D	08 Oct 2024 19:28	YP\AJ	Ok,M
15	AR1248ICC1000	PP067599.D	08 Oct 2024 19:44	YP\AJ	Ok
16	AR1248ICC750	PP067600.D	08 Oct 2024 20:00	YP\AJ	Ok
17	AR1248ICC500	PP067601.D	08 Oct 2024 20:16	YP\AJ	Ok
18	AR1248ICC250	PP067602.D	08 Oct 2024 20:32	YP\AJ	Ok
19	AR1248ICC050	PP067603.D	08 Oct 2024 20:49	YP\AJ	Ok
20	AR1254ICC1000	PP067604.D	08 Oct 2024 21:05	YP\AJ	Ok
21	AR1254ICC750	PP067605.D	08 Oct 2024 21:21	YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP100824

Review By	yogesh	Review On	10/9/2024 8:24:57 AM
Supervise By	Ankita	Supervise On	10/9/2024 9:49:08 AM
SubDirectory	PP100824	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1254ICC500	PP067606.D	08 Oct 2024 21:37	YP\AJ	Ok,M
23	AR1254ICC250	PP067607.D	08 Oct 2024 21:53	YP\AJ	Ok
24	AR1254ICC050	PP067608.D	08 Oct 2024 22:09	YP\AJ	Ok,M
25	AR1262ICC500	PP067609.D	08 Oct 2024 22:25	YP\AJ	Ok,M
26	AR1268ICC1000	PP067610.D	08 Oct 2024 22:42	YP\AJ	Ok,M
27	AR1268ICC750	PP067611.D	08 Oct 2024 22:58	YP\AJ	Ok,M
28	AR1268ICC500	PP067612.D	08 Oct 2024 23:14	YP\AJ	Ok,M
29	AR1268ICC250	PP067613.D	08 Oct 2024 23:30	YP\AJ	Ok,M
30	AR1268ICC050	PP067614.D	08 Oct 2024 23:46	YP\AJ	Ok,M
31	PP100824ICV500	PP067615.D	09 Oct 2024 00:02	YP\AJ	Ok
32	AR1242ICV500	PP067616.D	09 Oct 2024 00:18	YP\AJ	Ok,M
33	AR1248ICV500	PP067617.D	09 Oct 2024 00:34	YP\AJ	Ok
34	AR1254ICV500	PP067618.D	09 Oct 2024 00:51	YP\AJ	Ok,M
35	AR1268ICV500	PP067619.D	09 Oct 2024 01:07	YP\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102224

Review By	yogesh	Review On	10/23/2024 7:50:29 AM
Supervise By	Ankita	Supervise On	10/23/2024 9:11:30 AM
SubDirectory	PP102224	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP068119.D	22 Oct 2024 10:34	YP\AJ	Ok
2	AR1660CCC500	PP068120.D	22 Oct 2024 11:13	YP\AJ	Ok,M
3	AR1242CCC500	PP068121.D	22 Oct 2024 11:29	YP\AJ	Ok,M
4	AR1248CCC500	PP068122.D	22 Oct 2024 11:45	YP\AJ	Ok
5	AR1254CCC500	PP068123.D	22 Oct 2024 12:01	YP\AJ	Ok,M
6	I.BLK	PP068124.D	22 Oct 2024 12:18	YP\AJ	Ok
7	PB164310BL	PP068125.D	22 Oct 2024 13:55	YP\AJ	Ok
8	PB164310BS	PP068126.D	22 Oct 2024 14:11	YP\AJ	Ok,M
9	P4467-01	PP068127.D	22 Oct 2024 14:27	YP\AJ	Ok
10	P4468-01	PP068128.D	22 Oct 2024 14:43	YP\AJ	Ok
11	P4468-03	PP068129.D	22 Oct 2024 14:59	YP\AJ	Ok,M
12	P4468-05	PP068130.D	22 Oct 2024 15:15	YP\AJ	Ok,M
13	P4470-01	PP068131.D	22 Oct 2024 15:31	YP\AJ	Ok,M
14	P4471-01	PP068132.D	22 Oct 2024 15:47	YP\AJ	Ok,M
15	P4471-02	PP068133.D	22 Oct 2024 16:03	YP\AJ	ReRun
16	P4472-01	PP068134.D	22 Oct 2024 16:19	YP\AJ	Ok,M
17	AR1660CCC500	PP068135.D	22 Oct 2024 17:19	YP\AJ	Ok
18	AR1242CCC500	PP068136.D	22 Oct 2024 17:35	YP\AJ	Ok
19	AR1248CCC500	PP068137.D	22 Oct 2024 17:51	YP\AJ	Ok
20	AR1254CCC500	PP068138.D	22 Oct 2024 18:07	YP\AJ	Ok,M
21	I.BLK	PP068139.D	22 Oct 2024 18:23	YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP102224

Review By	yogesh	Review On	10/23/2024 7:50:29 AM
Supervise By	Ankita	Supervise On	10/23/2024 9:11:30 AM
SubDirectory	PP102224	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4472-05	PP068140.D	22 Oct 2024 18:39	YP\AJ	Ok
23	P4472-05MS	PP068141.D	22 Oct 2024 18:55	YP\AJ	Ok
24	P4472-05MSD	PP068142.D	22 Oct 2024 19:12	YP\AJ	Ok,M
25	P4473-01	PP068143.D	22 Oct 2024 19:28	YP\AJ	Ok
26	P4474-01	PP068144.D	22 Oct 2024 19:44	YP\AJ	Ok
27	AR1660CCC500	PP068145.D	22 Oct 2024 20:43	YP\AJ	Ok
28	AR1242CCC500	PP068146.D	22 Oct 2024 20:59	YP\AJ	Ok
29	AR1248CCC500	PP068147.D	22 Oct 2024 21:15	YP\AJ	Ok
30	AR1254CCC500	PP068148.D	22 Oct 2024 21:31	YP\AJ	Ok,M
31	I.BLK	PP068149.D	22 Oct 2024 21:47	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102324

Review By	yogesh	Review On	10/24/2024 8:29:24 AM
Supervise By	Ankita	Supervise On	10/24/2024 9:24:26 AM
SubDirectory	PP102324	HP Acquire Method	HP Processing Method pp100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP068150.D	23 Oct 2024 09:14	YP\AJ	Ok
2	AR1660CCC500	PP068151.D	23 Oct 2024 09:30	YP\AJ	Ok
3	AR1242CCC500	PP068152.D	23 Oct 2024 09:46	YP\AJ	Ok
4	AR1248CCC500	PP068153.D	23 Oct 2024 10:02	YP\AJ	Ok
5	AR1254CCC500	PP068154.D	23 Oct 2024 10:18	YP\AJ	Ok,M
6	I.BLK	PP068155.D	23 Oct 2024 10:34	YP\AJ	Ok
7	P4471-02	PP068156.D	23 Oct 2024 12:11	YP\AJ	Ok
8	PB164343BL	PP068157.D	23 Oct 2024 13:21	YP\AJ	Ok
9	PB164343BS	PP068158.D	23 Oct 2024 13:37	YP\AJ	Ok,M
10	P4485-01	PP068159.D	23 Oct 2024 13:54	YP\AJ	Ok
11	P4486-01	PP068160.D	23 Oct 2024 14:10	YP\AJ	Ok
12	P4486-01MS	PP068161.D	23 Oct 2024 14:26	YP\AJ	Ok,M
13	P4486-01MSD	PP068162.D	23 Oct 2024 14:42	YP\AJ	Ok,M
14	P4487-01	PP068163.D	23 Oct 2024 14:58	YP\AJ	Ok
15	P4487-05	PP068164.D	23 Oct 2024 15:14	YP\AJ	Ok
16	P4488-02	PP068165.D	23 Oct 2024 15:30	YP\AJ	Ok,M
17	AR1660CCC500	PP068166.D	23 Oct 2024 15:57	YP\AJ	Ok
18	AR1242CCC500	PP068167.D	23 Oct 2024 16:13	YP\AJ	Ok
19	AR1248CCC500	PP068168.D	23 Oct 2024 16:29	YP\AJ	Ok
20	AR1254CCC500	PP068169.D	23 Oct 2024 16:45	YP\AJ	Ok,M
21	I.BLK	PP068170.D	23 Oct 2024 17:01	YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102324

Review By	yogesh	Review On	10/24/2024 8:29:24 AM
Supervise By	Ankita	Supervise On	10/24/2024 9:24:26 AM
SubDirectory	PP102324	HP Acquire Method	HP Processing Method pp100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4488-01	PP068171.D	23 Oct 2024 17:17	YP\AJ	Ok,M
23	P4488-09	PP068172.D	23 Oct 2024 17:33	YP\AJ	Ok
24	P4488-10	PP068173.D	23 Oct 2024 17:50	YP\AJ	Ok
25	P4489-01	PP068174.D	23 Oct 2024 18:06	YP\AJ	Ok,M
26	PB164342BL	PP068175.D	23 Oct 2024 18:22	YP\AJ	Ok
27	PB164342BS	PP068176.D	23 Oct 2024 18:38	YP\AJ	Ok,M
28	PB164342BSD	PP068177.D	23 Oct 2024 18:54	YP\AJ	Ok,M
29	P4485-03	PP068178.D	23 Oct 2024 19:10	YP\AJ	ReRun
30	P4460-06	PP068179.D	23 Oct 2024 19:26	YP\AJ	Ok
31	AR1660CCC500	PP068180.D	23 Oct 2024 20:04	YP\AJ	Ok
32	AR1242CCC500	PP068181.D	23 Oct 2024 20:20	YP\AJ	Ok
33	AR1248CCC500	PP068182.D	23 Oct 2024 20:36	YP\AJ	Ok
34	AR1254CCC500	PP068183.D	23 Oct 2024 20:52	YP\AJ	Ok,M
35	I.BLK	PP068184.D	23 Oct 2024 21:08	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP100824

Review By	yogesh	Review On	10/9/2024 8:24:57 AM
Supervise By	Ankita	Supervise On	10/9/2024 9:49:08 AM
SubDirectory	PP100824	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP067585.D	08 Oct 2024 15:58		YPIAJ	Ok
2	I.BLK	I.BLK	PP067586.D	08 Oct 2024 16:14		YPIAJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP067587.D	08 Oct 2024 16:30		YPIAJ	Ok
4	AR1660ICC750	AR1660ICC750	PP067588.D	08 Oct 2024 16:46		YPIAJ	Ok
5	AR1660ICC500	AR1660ICC500	PP067589.D	08 Oct 2024 17:02		YPIAJ	Ok
6	AR1660ICC250	AR1660ICC250	PP067590.D	08 Oct 2024 17:19		YPIAJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PP067591.D	08 Oct 2024 17:35		YPIAJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP067592.D	08 Oct 2024 17:51		YPIAJ	Ok
9	AR1232ICC500	AR1232ICC500	PP067593.D	08 Oct 2024 18:07		YPIAJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP067594.D	08 Oct 2024 18:23		YPIAJ	Ok
11	AR1242ICC750	AR1242ICC750	PP067595.D	08 Oct 2024 18:39		YPIAJ	Ok
12	AR1242ICC500	AR1242ICC500	PP067596.D	08 Oct 2024 18:55		YPIAJ	Ok,M
13	AR1242ICC250	AR1242ICC250	PP067597.D	08 Oct 2024 19:12		YPIAJ	Ok
14	AR1242ICC050	AR1242ICC050	PP067598.D	08 Oct 2024 19:28		YPIAJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP067599.D	08 Oct 2024 19:44		YPIAJ	Ok
16	AR1248ICC750	AR1248ICC750	PP067600.D	08 Oct 2024 20:00		YPIAJ	Ok
17	AR1248ICC500	AR1248ICC500	PP067601.D	08 Oct 2024 20:16		YPIAJ	Ok
18	AR1248ICC250	AR1248ICC250	PP067602.D	08 Oct 2024 20:32		YPIAJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP100824

Review By	yogesh	Review On	10/9/2024 8:24:57 AM
Supervise By	Ankita	Supervise On	10/9/2024 9:49:08 AM
SubDirectory	PP100824	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248ICC050	AR1248ICC050	PP067603.D	08 Oct 2024 20:49		YPIAJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PP067604.D	08 Oct 2024 21:05		YPIAJ	Ok
21	AR1254ICC750	AR1254ICC750	PP067605.D	08 Oct 2024 21:21		YPIAJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP067606.D	08 Oct 2024 21:37		YPIAJ	Ok,M
23	AR1254ICC250	AR1254ICC250	PP067607.D	08 Oct 2024 21:53		YPIAJ	Ok
24	AR1254ICC050	AR1254ICC050	PP067608.D	08 Oct 2024 22:09		YPIAJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP067609.D	08 Oct 2024 22:25		YPIAJ	Ok,M
26	AR1268ICC1000	AR1268ICC1000	PP067610.D	08 Oct 2024 22:42		YPIAJ	Ok,M
27	AR1268ICC750	AR1268ICC750	PP067611.D	08 Oct 2024 22:58		YPIAJ	Ok,M
28	AR1268ICC500	AR1268ICC500	PP067612.D	08 Oct 2024 23:14		YPIAJ	Ok,M
29	AR1268ICC250	AR1268ICC250	PP067613.D	08 Oct 2024 23:30		YPIAJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PP067614.D	08 Oct 2024 23:46		YPIAJ	Ok,M
31	PP100824ICV500	ICVPP100824	PP067615.D	09 Oct 2024 00:02		YPIAJ	Ok
32	AR1242ICV500	ICVPP100824	PP067616.D	09 Oct 2024 00:18		YPIAJ	Ok,M
33	AR1248ICV500	ICVPP100824	PP067617.D	09 Oct 2024 00:34		YPIAJ	Ok
34	AR1254ICV500	ICVPP100824	PP067618.D	09 Oct 2024 00:51		YPIAJ	Ok,M
35	AR1268ICV500	ICVPP100824	PP067619.D	09 Oct 2024 01:07		YPIAJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP102224

Review By	yogesh	Review On	10/23/2024 7:50:29 AM
Supervise By	Ankita	Supervise On	10/23/2024 9:11:30 AM
SubDirectory	PP102224	HP Acquire Method	HP Processing Method PP100824

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP068119.D	22 Oct 2024 10:34		YPIAJ	Ok
2	AR1660CCC500	AR1660CCC500	PP068120.D	22 Oct 2024 11:13		YPIAJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP068121.D	22 Oct 2024 11:29		YPIAJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP068122.D	22 Oct 2024 11:45	Comp#2 low in 1st column	YPIAJ	Ok
5	AR1254CCC500	AR1254CCC500	PP068123.D	22 Oct 2024 12:01		YPIAJ	Ok,M
6	I.BLK	I.BLK	PP068124.D	22 Oct 2024 12:18		YPIAJ	Ok
7	PB164310BL	PB164310BL	PP068125.D	22 Oct 2024 13:55		YPIAJ	Ok
8	PB164310BS	PB164310BS	PP068126.D	22 Oct 2024 14:11		YPIAJ	Ok,M
9	P4467-01	TP-1	PP068127.D	22 Oct 2024 14:27		YPIAJ	Ok
10	P4468-01	ETGI-331	PP068128.D	22 Oct 2024 14:43		YPIAJ	Ok
11	P4468-03	ETGI-329	PP068129.D	22 Oct 2024 14:59	AR1254 Hit	YPIAJ	Ok,M
12	P4468-05	ETGI-345	PP068130.D	22 Oct 2024 15:15	AR1254 Hit	YPIAJ	Ok,M
13	P4470-01	CL-01-102124	PP068131.D	22 Oct 2024 15:31		YPIAJ	Ok,M
14	P4471-01	B-180-SB01	PP068132.D	22 Oct 2024 15:47		YPIAJ	Ok,M
15	P4471-02	B-180-SB02	PP068133.D	22 Oct 2024 16:03	DCB low in both column	YPIAJ	ReRun
16	P4472-01	BP-F-28	PP068134.D	22 Oct 2024 16:19		YPIAJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP068135.D	22 Oct 2024 17:19		YPIAJ	Ok
18	AR1242CCC500	AR1242CCC500	PP068136.D	22 Oct 2024 17:35		YPIAJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP102224

Review By	yogesh	Review On	10/23/2024 7:50:29 AM
Supervise By	Ankita	Supervise On	10/23/2024 9:11:30 AM
SubDirectory	PP102224	HP Acquire Method	HP Processing Method PP100824
STD. NAME	STD REF.#		
Tune/Reschk	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248CCC500	AR1248CCC500	PP068137.D	22 Oct 2024 17:51		YPIAJ	Ok
20	AR1254CCC500	AR1254CCC500	PP068138.D	22 Oct 2024 18:07		YPIAJ	Ok,M
21	I.BLK	I.BLK	PP068139.D	22 Oct 2024 18:23		YPIAJ	Ok
22	P4472-05	BP-F-6	PP068140.D	22 Oct 2024 18:39		YPIAJ	Ok
23	P4472-05MS	BP-F-6MS	PP068141.D	22 Oct 2024 18:55		YPIAJ	Ok
24	P4472-05MSD	BP-F-6MSD	PP068142.D	22 Oct 2024 19:12		YPIAJ	Ok,M
25	P4473-01	TS-1	PP068143.D	22 Oct 2024 19:28		YPIAJ	Ok
26	P4474-01	TS-2	PP068144.D	22 Oct 2024 19:44		YPIAJ	Ok
27	AR1660CCC500	AR1660CCC500	PP068145.D	22 Oct 2024 20:43		YPIAJ	Ok
28	AR1242CCC500	AR1242CCC500	PP068146.D	22 Oct 2024 20:59		YPIAJ	Ok
29	AR1248CCC500	AR1248CCC500	PP068147.D	22 Oct 2024 21:15		YPIAJ	Ok
30	AR1254CCC500	AR1254CCC500	PP068148.D	22 Oct 2024 21:31		YPIAJ	Ok,M
31	I.BLK	I.BLK	PP068149.D	22 Oct 2024 21:47		YPIAJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP102324

Review By	yogesh	Review On	10/24/2024 8:29:24 AM
Supervise By	Ankita	Supervise On	10/24/2024 9:24:26 AM
SubDirectory	PP102324	HP Acquire Method	HP Processing Method pp100824

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP068150.D	23 Oct 2024 09:14		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP068151.D	23 Oct 2024 09:30		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP068152.D	23 Oct 2024 09:46		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP068153.D	23 Oct 2024 10:02		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP068154.D	23 Oct 2024 10:18		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP068155.D	23 Oct 2024 10:34		YP\AJ	Ok
7	P4471-02	B-180-SB02	PP068156.D	23 Oct 2024 12:11		YP\AJ	Ok
8	PB164343BL	PB164343BL	PP068157.D	23 Oct 2024 13:21		YP\AJ	Ok
9	PB164343BS	PB164343BS	PP068158.D	23 Oct 2024 13:37		YP\AJ	Ok,M
10	P4485-01	D20241001-01-04	PP068159.D	23 Oct 2024 13:54		YP\AJ	Ok
11	P4486-01	EO-03-102224	PP068160.D	23 Oct 2024 14:10		YP\AJ	Ok
12	P4486-01MS	EO-03-102224MS	PP068161.D	23 Oct 2024 14:26		YP\AJ	Ok,M
13	P4486-01MSD	EO-03-102224MSD	PP068162.D	23 Oct 2024 14:42		YP\AJ	Ok,M
14	P4487-01	BP-B5	PP068163.D	23 Oct 2024 14:58		YP\AJ	Ok
15	P4487-05	BP-F27	PP068164.D	23 Oct 2024 15:14		YP\AJ	Ok
16	P4488-02	1017-B	PP068165.D	23 Oct 2024 15:30		YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP068166.D	23 Oct 2024 15:57		YP\AJ	Ok
18	AR1242CCC500	AR1242CCC500	PP068167.D	23 Oct 2024 16:13		YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP102324

Review By	yogesh	Review On	10/24/2024 8:29:24 AM
Supervise By	Ankita	Supervise On	10/24/2024 9:24:26 AM
SubDirectory	PP102324	HP Acquire Method	HP Processing Method pp100824
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248CCC500	AR1248CCC500	PP068168.D	23 Oct 2024 16:29		YPIAJ	Ok
20	AR1254CCC500	AR1254CCC500	PP068169.D	23 Oct 2024 16:45		YPIAJ	Ok,M
21	I.BLK	I.BLK	PP068170.D	23 Oct 2024 17:01		YPIAJ	Ok
22	P4488-01	OIL-1	PP068171.D	23 Oct 2024 17:17	DCB high in 1st column.	YPIAJ	Ok,M
23	P4488-09	HCC-1	PP068172.D	23 Oct 2024 17:33		YPIAJ	Ok
24	P4488-10	HCC-2	PP068173.D	23 Oct 2024 17:50		YPIAJ	Ok
25	P4489-01	RT-2675	PP068174.D	23 Oct 2024 18:06	AR1254 Hit	YPIAJ	Ok,M
26	PB164342BL	PB164342BL	PP068175.D	23 Oct 2024 18:22		YPIAJ	Ok
27	PB164342BS	PB164342BS	PP068176.D	23 Oct 2024 18:38		YPIAJ	Ok,M
28	PB164342BSD	PB164342BSD	PP068177.D	23 Oct 2024 18:54		YPIAJ	Ok,M
29	P4485-03	D20241001-02-03	PP068178.D	23 Oct 2024 19:10	DCB low in both column	YPIAJ	ReRun
30	P4460-06	WB-303-SW	PP068179.D	23 Oct 2024 19:26		YPIAJ	Ok
31	AR1660CCC500	AR1660CCC500	PP068180.D	23 Oct 2024 20:04		YPIAJ	Ok
32	AR1242CCC500	AR1242CCC500	PP068181.D	23 Oct 2024 20:20		YPIAJ	Ok
33	AR1248CCC500	AR1248CCC500	PP068182.D	23 Oct 2024 20:36		YPIAJ	Ok
34	AR1254CCC500	AR1254CCC500	PP068183.D	23 Oct 2024 20:52		YPIAJ	Ok,M
35	I.BLK	I.BLK	PP068184.D	23 Oct 2024 21:08		YPIAJ	Ok

M : Manual Integration

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: EH **Extraction By:** RJ

Balance check: RJ **Filter By:** RJ

Balance ID: EX-SC-2 **pH Meter ID:** N/A

pH Strlp Lot#: N/A **Hood ID:** 3,7

Extraction Start Date : 10/22/2024

Extraction Start Time : 10:10

Extraction End Date : 10/22/2024

Extraction End Time : 13:10

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP23640
Surrogate	1.0ML	200 PPB	PP23858
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2539
Baked Na2SO4	N/A	EP2551
Sand	N/A	E2865
Hexane	N/A	E3819
H2SO4 1:1	N/A	EP2548
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 Vial lot# 03-40 BTS721.

KD Bath ID: N/A **Envap ID:** NEVAP-02

KD Bath Temperature: N/A **Envap Temperature:** 40 °C

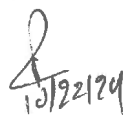
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/22/24	RP (Ext. Lab)	JP Post/PEB Lab
13:15	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 10/22/2024

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164310BL	ABLK310	PCB	30.01	N/A	ritesh	Evelyn	10			U7-1
PB164310BS	ALCS310	PCB	30.02	N/A	ritesh	Evelyn	10			2
P4467-01	TP-1	PCB	30.06	N/A	ritesh	Evelyn	10	E		3
P4468-01	ETGI-331	PCB	30.09	N/A	ritesh	Evelyn	10		Concrete	4
P4468-03	ETGI-329	PCB	30.05	N/A	ritesh	Evelyn	10	E		5
P4468-05	ETGI-345	PCB	30.03	N/A	ritesh	Evelyn	10	E		6
P4470-01	CL-01-102124	PCB	30.05	N/A	ritesh	Evelyn	10	E		U1-1
P4471-01	B-180-SB01	PCB	30.02	N/A	ritesh	Evelyn	10	E		2
P4471-02	B-180-SB02	PCB	30.04	N/A	ritesh	Evelyn	10	E		3
P4472-01	BP-F-28	PCB	30.08	N/A	ritesh	Evelyn	10	E		4
P4472-05	BP-F-6	PCB	30.07	N/A	ritesh	Evelyn	10	E		5
P4472-05MS	BP-F-6MS	PCB	30.03	N/A	ritesh	Evelyn	10	E		6
P4472-05MS D	BP-F-6MSD	PCB	30.04	N/A	ritesh	Evelyn	10	E		U5-1
P4473-01	TS-1	PCB	30.09	N/A	ritesh	Evelyn	10	C		2
P4474-01	TS-2	PCB	30.05	N/A	ritesh	Evelyn	10	B		3

* Extracts relinquished on the same date as received.



10/10/2024
164310

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4467 WorkList ID : 184649 Department : Extraction Date : 10-22-2024 08:21:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4467-01	TP-1	Solid	PCB	Cool 4 deg C	PSEG03	K41	10/21/2024	8082A
P4468-01	ETGI-331	Solid	PCB	Cool 4 deg C	PSEG03	K51	10/21/2024	8082A
P4468-03	ETGI-329	Solid	PCB	Cool 4 deg C	PSEG03	K51	10/21/2024	8082A
P4468-05	ETGI-345	Solid	PCB	Cool 4 deg C	PSEG03	K51	10/21/2024	8082A
P4470-01	CL-01-102124	Solid	PCB	Cool 4 deg C	PSEG05	K51	10/21/2024	8082A
P4471-01	B-180-SB01	Solid	PCB	Cool 4 deg C	PORT06	J61	10/19/2024	8082A
P4471-02	B-180-SB02	Solid	PCB	Cool 4 deg C	PORT06	J61	10/20/2024	8082A
P4472-01	BP-F-28	Solid	PCB	Cool 4 deg C	PSEG03	K51	10/21/2024	8082A
P4472-05	BP-F-6	Solid	PCB	Cool 4 deg C	PSEG03	K51	10/21/2024	8082A
P4473-01	TS-1	Solid	PCB	Cool 4 deg C	YANN01	K61	10/18/2024	8082A
P4474-01	TS-2	Solid	PCB	Cool 4 deg C	YANN01	K61	10/18/2024	8082A

Date/Time 10/22/24 10:08
Raw Sample Received by: RJ (801 1065)
Raw Sample Relinquished by: (Signature) SN

Date/Time 10/22/24 10:35
Raw Sample Received by: (Signature) SN
Raw Sample Relinquished by: RJ (801 1065)



LAB CHRONICLE

OrderID:	P4471	OrderDate:	10/21/2024 1:01:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	Location:	J61,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4471-01	B-180-SB01	SOIL			10/19/24			10/21/24
			PCB	8082A		10/22/24	10/22/24	
			EPH	NJEPH		10/22/24	10/23/24	
P4471-02	B-180-SB02	SOIL			10/20/24			10/21/24
			PCB	8082A		10/22/24	10/23/24	
			EPH	NJEPH		10/22/24	10/23/24	