



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.:	P4718				Order ID:	P4718			
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:	11/04/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	11/05/24	
Client Sample ID:	WB-307-SB01		SDG No.:	P4718	
Lab Sample ID:	P4718-01		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	78	Decanted:
Sample Wt/Vol:	30.06	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
PO107740.D	1	11/06/24 09:10	11/06/24 15:35	PB164700

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.30	U	4.30	21.8	ug/kg
11104-28-2	Aroclor-1221	8.20	U	8.20	21.8	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	21.8	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	21.8	ug/kg
12672-29-6	Aroclor-1248	10.1	U	10.1	21.8	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	21.8	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	21.8	ug/kg
11100-14-4	Aroclor-1268	4.40	U	4.40	21.8	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	21.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.5		30 (32) - 150 (144)	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.1		30 (32) - 150 (175)	66%	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:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SB02	SDG No.:	P4718
Lab Sample ID:	P4718-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	77.6
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
PO107761.D	1	11/06/24 09:10	11/06/24 23:02	PB164700

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.40	U	4.40	21.9	ug/kg
11104-28-2	Aroclor-1221	8.30	U	8.30	21.9	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	21.9	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	21.9	ug/kg
12672-29-6	Aroclor-1248	10.2	U	10.2	21.9	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	21.9	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	21.9	ug/kg
11100-14-4	Aroclor-1268	4.40	U	4.40	21.9	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	21.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.2		30 (32) - 150 (144)	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.0		30 (32) - 150 (175)	105%	SPK: 20

Comments:

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SW	SDG No.:	P4718
Lab Sample ID:	P4718-04	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	450	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	5000
			uL
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107755.D	1	11/06/24 08:25	11/06/24 20:41	PB164704

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.17	U	0.17	0.56	ug/L
11104-28-2	Aroclor-1221	0.26	U	0.26	0.56	ug/L
11141-16-5	Aroclor-1232	0.41	U	0.41	0.56	ug/L
53469-21-9	Aroclor-1242	0.18	U	0.18	0.56	ug/L
12672-29-6	Aroclor-1248	0.13	U	0.13	0.56	ug/L
11097-69-1	Aroclor-1254	0.12	U	0.12	0.56	ug/L
37324-23-5	Aroclor-1262	0.16	U	0.16	0.56	ug/L
11100-14-4	Aroclor-1268	0.13	U	0.13	0.56	ug/L
11096-82-5	Aroclor-1260	0.17	U	0.17	0.56	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.9		30 (10) - 150 (157)	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.8		30 (10) - 150 (173)	94%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: **P4718**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO107183.D	PIBLK-PO107183.D	Tetrachloro-m-xylene	1	20	22.5	112		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.4	117		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.1	110		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.8	114		70 (60)	130 (140)
I.BLK-PO107730.D	PIBLK-PO107730.D	Tetrachloro-m-xylene	1	20	19.9	100		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.1	105		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.2	101		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.2	111		70 (60)	130 (140)
PB164700BL	PB164700BL	Tetrachloro-m-xylene	1	20	21.5	108		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	22.9	114		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.5	108		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	24.1	121		30 (32)	150 (175)
PB164700BS	PB164700BS	Tetrachloro-m-xylene	1	20	21.6	108		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	22.5	112		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.3	101		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	23.5	117		30 (32)	150 (175)
P4706-01MS	TR-04-110424MS	Tetrachloro-m-xylene	1	20	16.1	81		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	17.9	89		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	16.6	83		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	14.7	74		30 (32)	150 (175)
P4706-01MSD	TR-04-110424MSD	Tetrachloro-m-xylene	1	20	15.4	77		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	17.2	86		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	16.4	82		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	13.8	69		30 (32)	150 (175)
P4718-01	WB-307-SB01	Tetrachloro-m-xylene	1	20	14.9	75		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	13.1	66		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.5	93		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	11.0	55		30 (32)	150 (175)
I.BLK-PO107745.D	PIBLK-PO107745.D	Tetrachloro-m-xylene	1	20	19.2	96		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	18.8	94		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.0	100		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	18.1	91		70 (60)	130 (140)
PB164704BL	PB164704BL	Tetrachloro-m-xylene	1	20	19.0	95		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	19.0	95		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	19.8	99		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	18.4	92		30 (10)	150 (173)
PB164704BS	PB164704BS	Tetrachloro-m-xylene	1	20	18.7	93		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	18.8	94		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	18.7	93		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	18.5	92		30 (10)	150 (173)
PB164704BSD	PB164704BSD	Tetrachloro-m-xylene	1	20	19.6	98		30 (10)	150 (157)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: **P4718**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
PB164704BSD	PB164704BSD	Decachlorobiphenyl	1	20	19.5	98		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	19.3	97		30 (10)	150 (157)
P4718-04	WB-307-SW	Decachlorobiphenyl	2	20	19.3	97		30 (10)	150 (173)
		Tetrachloro-m-xylene	1	20	18.2	91		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	17.6	88		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	18.9	94		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	18.8	94		30 (10)	150 (173)
		Tetrachloro-m-xylene	1	20	20.1	101		70 (60)	130 (140)
I.BLK-PO107760.D	PIBLK-PO107760.D	Decachlorobiphenyl	1	20	20.2	101		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.6	103		70 (60)	130 (140)
P4718-02	WB-307-SB02	Decachlorobiphenyl	2	20	22.6	113		70 (60)	130 (140)
		Tetrachloro-m-xylene	1	20	20.7	104		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.0	95		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.2	106		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.0	105		30 (32)	150 (175)
		Tetrachloro-m-xylene	1	20	20.6	103		70 (60)	130 (140)
I.BLK-PO107767.D	PIBLK-PO107767.D	Decachlorobiphenyl	1	20	21.1	106		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.7	104		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.6	113		70 (60)	130 (140)
		Tetrachloro-m-xylene	1	20	20.7	104		70 (60)	130 (140)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

DataFile : PO107736.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	TR-04-110424MS											
P4706-01MS	AR1016	178.1	0	143	ug/kg	80				40 (55)	140 (146)	
	AR1260	178.1	0	142	ug/kg	80				40 (45)	140 (144)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

DataFile : PO107737.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	TR-04-110424MSD											
P4706-01MSD	AR1016	178	0	139	ug/kg	78		3		40 (55)	140 (146)	30 (20)
	AR1260	178	0	135	ug/kg	76		5		40 (45)	140 (144)	30 (20)



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: 8082A Datafile : PO107732.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164700BS	AR1016	166.5	163	ug/kg	98				40 (71)	140 (120)		
	AR1260	166.5	168	ug/kg	101				40 (65)	140 (130)		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: **8082A** **Datafile :** PO107747.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164704BS	AR1016	5	4.20	ug/L	84				40 (61)	140 (112)		
	AR1260	5	4.30	ug/L	86				40 (66)	140 (113)		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: **8082A** **Datafile :** PO107748.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB164704BSD	AR1016	5	4.50	ug/L	90	7			40 (61)	140 (112)	20 (20)
	AR1260	5	4.50	ug/L	90	5			40 (66)	140 (113)	20 (20)

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164700BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: P4718

SAS No.: P4718 SDG NO.: P4718

Lab Sample ID: PB164700BL

Lab File ID: PO107731.D

Matrix: (soil/water) Solid

Extraction: (Type)

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/06/2024

Date Analyzed (1): 11/06/2024

Date Analyzed (2): 11/06/2024

Time Analyzed (1): 13:10

Time Analyzed (2): 13:10

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

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
PB164700BS	PB164700BS	PO107732.D	11/06/2024	11/06/2024
TR-04-110424MS	P4706-01MS	PO107736.D	11/06/2024	11/06/2024
TR-04-110424MSD	P4706-01MSD	PO107737.D	11/06/2024	11/06/2024
WB-307-SB01	P4718-01	PO107740.D	11/06/2024	11/06/2024
WB-307-SB02	P4718-02	PO107761.D	11/06/2024	11/06/2024

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164704BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: P4718

SAS No.: P4718 SDG NO.: P4718

Lab Sample ID: PB164704BL

Lab File ID: PO107746.D

Matrix: (soil/water) WATER

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/06/2024

Date Analyzed (1): 11/06/2024

Date Analyzed (2): 11/06/2024

Time Analyzed (1): 18:15

Time Analyzed (2): 18:15

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

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
PB164704BS	PB164704BS	PO107747.D	11/06/2024	11/06/2024
PB164704BSD	PB164704BSD	PO107748.D	11/06/2024	11/06/2024
WB-307-SW	P4718-04	PO107755.D	11/06/2024	11/06/2024

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164700BL	SDG No.:	P4718
Lab Sample ID:	PB164700BL	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
PO107731.D	1	11/06/24 09:10	11/06/24 13:10	PB164700

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	21.5		30 (32) - 150 (144)	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.1		30 (32) - 150 (175)	121%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:		
Client Sample ID:	PB164704BL		SDG No.:	P4718	
Lab Sample ID:	PB164704BL		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 :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107746.D	1	11/06/24 08:25	11/06/24 18:15	PB164704

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
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
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		30 (10) - 150 (157)	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.0		30 (10) - 150 (173)	95%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/15/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	10/15/24	
Client Sample ID:	PIBLK-PO107183.D		SDG No.:	P4718	
Lab Sample ID:	I.BLK-PO107183.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
PO107183.D	1		10/15/24	po101524

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	22.1		70 (60) - 130 (140)	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.8		70 (60) - 130 (140)	114%	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:	11/06/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	11/06/24	
Client Sample ID:	PIBLK-PO107730.D		SDG No.:	P4718	
Lab Sample ID:	I.BLK-PO107730.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
PO107730.D	1		11/06/24	PO110624

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	19.9		70 (60) - 130 (140)	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.1		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:	11/06/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/06/24
Client Sample ID:	PIBLK-PO107745.D	SDG No.:	P4718
Lab Sample ID:	I.BLK-PO107745.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
PO107745.D	1		11/06/24	PO110624

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	18.1		70 (60) - 130 (140)	91%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	11/06/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	11/06/24	
Client Sample ID:	PIBLK-PO107760.D		SDG No.:	P4718	
Lab Sample ID:	I.BLK-PO107760.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
PO107760.D	1		11/06/24	PO110624

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	20.1		70 (60) - 130 (140)	101%	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

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/07/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/07/24
Client Sample ID:	PIBLK-PO107767.D	SDG No.:	P4718
Lab Sample ID:	I.BLK-PO107767.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
PO107767.D	1		11/07/24	PO110624

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	20.6		70 (60) - 130 (140)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.1		70 (60) - 130 (140)	106%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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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:	PB164700BS	SDG No.:	P4718
Lab Sample ID:	PB164700BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100
Sample Wt/Vol:	30.03 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
PO107732.D	1	11/06/24 09:10	11/06/24 13:26	PB164700

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	163		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	168		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.6		30 (32) - 150 (144)	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.5		30 (32) - 150 (175)	117%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:		
Client Sample ID:	PB164704BS		SDG No.:	P4718	
Lab Sample ID:	PB164704BS		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 :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107747.D	1	11/06/24 08:25	11/06/24 18:31	PB164704

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.20		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
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
11096-82-5	Aroclor-1260	4.30		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.7		30 (10) - 150 (157)	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.8		30 (10) - 150 (173)	94%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:		
Client Sample ID:	PB164704BSD		SDG No.:	P4718	
Lab Sample ID:	PB164704BSD		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 :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107748.D	1	11/06/24 08:25	11/06/24 18:47	PB164704

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.50		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
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
11096-82-5	Aroclor-1260	4.50		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		30 (10) - 150 (157)	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		30 (10) - 150 (173)	98%	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:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/04/24
Client Sample ID:	TR-04-110424MS	SDG No.:	P4718
Lab Sample ID:	P4706-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	93.5
Sample Wt/Vol:	30.03 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
PO107736.D	1	11/06/24 09:10	11/06/24 14:30	PB164700

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	143		3.60	18.2	ug/kg
11104-28-2	Aroclor-1221	6.80	U	6.80	18.2	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.2	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.2	ug/kg
12672-29-6	Aroclor-1248	8.40	U	8.40	18.2	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.2	ug/kg
37324-23-5	Aroclor-1262	4.90	U	4.90	18.2	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.2	ug/kg
11096-82-5	Aroclor-1260	142		3.10	18.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.6		30 (32) - 150 (144)	83%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.9		30 (32) - 150 (175)	89%	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:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/04/24
Client Sample ID:	TR-04-110424MSD	SDG No.:	P4718
Lab Sample ID:	P4706-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	93.5
Sample Wt/Vol:	30.05 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
PO107737.D	1	11/06/24 09:10	11/06/24 14:46	PB164700

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	139		3.60	18.2	ug/kg
11104-28-2	Aroclor-1221	6.80	U	6.80	18.2	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.2	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.2	ug/kg
12672-29-6	Aroclor-1248	8.40	U	8.40	18.2	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.2	ug/kg
37324-23-5	Aroclor-1262	4.90	U	4.90	18.2	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.2	ug/kg
11096-82-5	Aroclor-1260	135		3.10	18.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.4		30 (32) - 150 (144)	82%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.2		30 (32) - 150 (175)	86%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



CALIBRATION SUMMARY

A
B
C
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G
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K
L

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene	4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47

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Calibration Times: 18:27 02:36

LAB FILE ID:	RT 1000 =	<u>PO107184.D</u>	RT 750 =	<u>PO107185.D</u>
	RT 500 =	PO107186.D	RT 250 =	PO107187.D
			RT 050 =	PO107188.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene	3.65	3.64	3.65	3.64	3.65	3.65	3.55	3.75

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4718 **SAS No.:** P4718 **SDG NO.:** P4718

Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024
Calibration Times: 18:27 02:36

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

LAB FILE ID:		CF 1000 = <u>PO107184.D</u>		CF 750 = <u>PO107185.D</u>			
CF 500 = <u>PO107186.D</u>		CF 250 = <u>PO107187.D</u>		CF 050 = <u>PO107188.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	252081604	261702867	271939076	291118488	272229420	269814291 5
Aroclor-1016-2	(2)	373760062	383028583	397887352	419075308	410673320	396884925 5
Aroclor-1016-3	(3)	234678633	244145249	256575754	276405664	244042480	251169556 6
Aroclor-1016-4	(4)	185622493	193848624	202963902	215081552	165543020	192611918 10
Aroclor-1016-5	(5)	176326470	182141932	191487930	203514892	159796500	182653545 9
Aroclor-1260-1	(1)	238480871	246497651	259155974	277220676	271587560	258588546 6
Aroclor-1260-2	(2)	243402558	251747185	264083512	284216460	272650860	263220115 6
Aroclor-1260-3	(3)	167353086	171560129	181491762	195138068	183182660	179745141 6
Aroclor-1260-4	(4)	162125557	166999933	175289716	187582032	185522120	175503872 6
Aroclor-1260-5	(5)	268686175	273623828	283035894	299271412	297351500	284393762 5
Decachlorobiphenyl		2362750210	2427138920	2496479000	2603827440	2376686800	2453376474 4
Tetrachloro-m-xylene		8902656430	9087809293	9285762860	9548006280	8745262400	9113899453 3
Aroclor-1242-1	(1)	207947063	205572916	222208808	238956456	243522880	223641625 8
Aroclor-1242-2	(2)	302439626	299949616	323550412	342804408	348858880	323520588 7
Aroclor-1242-3	(3)	191912697	193178427	209638152	224306728	225847640	208976729 8
Aroclor-1242-4	(4)	150447174	145338196	162797508	173135964	168308740	160005516 7
Aroclor-1242-5	(5)	141009343	143408436	153689098	164623016	179679780	156481935 10
Decachlorobiphenyl		2339420350	2427742867	2492700840	2551827400	2426410200	2447620331 3
Tetrachloro-m-xylene		8860043620	8651743680	9146784160	9504075440	9174828800	9067495140 4
Aroclor-1248-1	(1)	155913014	164800668	175191332	184609772	188867720	173876501 8
Aroclor-1248-2	(2)	222845576	238202488	253637968	270074056	280366620	253025342 9
Aroclor-1248-3	(3)	231904923	246233752	259706092	274388212	266197800	255686156 7
Aroclor-1248-4	(4)	237210289	246633865	260533272	272872732	271860120	257822056 6
Aroclor-1248-5	(5)	236273499	246591072	260733536	276314120	280304600	260043365 7
Decachlorobiphenyl		2339780580	2371533013	2504089680	2566158680	2396701200	2435652631 4
Tetrachloro-m-xylene		8719403610	9119992693	9358904180	9492784200	8995773400	9137371617 3
Aroclor-1254-1	(1)	246822697	256579683	264992242	286189960	289157060	268748328 7
Aroclor-1254-2	(2)	348120894	361641555	373031238	401237980	402995760	377405485 6
Aroclor-1254-3	(3)	336293322	345653409	355909306	378498460	372630440	357796987 5
Aroclor-1254-4	(4)	213138598	220171503	227187688	242530220	244046960	229414994 6
Aroclor-1254-5	(5)	194609638	201069208	205869028	220139672	216546640	207646837 5
Decachlorobiphenyl		2357746210	2401897693	2508594000	2601578200	2359367400	2445836701 4
Tetrachloro-m-xylene		8883763230	9164627320	9184369060	9508828480	8791509400	9106619498 3
Aroclor-1268-1	(1)	351862425	352413819	364622844	381760528	369380480	364008019 3

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	313096403	314491445	324862806	339637696	320299560	322477582	3
Aroclor-1268-3	(3)	272236453	272760276	282620036	293538700	275661940	279363481	3
Aroclor-1268-4	(4)	112236308	111261111	114714594	116428084	101458340	111219687	5
Aroclor-1268-5	(5)	836674479	833098204	847063314	864357444	781067560	832452200	4
Decachlorobiphenyl		4074190590	4136234160	4241958160	4399826360	4004084600	4171258774	4
Tetrachloro-m-xylene		9139601460	8935957933	9311606620	9495189880	8951901000	9166851379	3

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Instrument ID: ECD_O

Calibration Date(s): 10/15/2024 10/16/2024

Calibration Times: 18:27 02:36

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

LAB FILE ID:		CF 1000 = <u>PO107184.D</u>		CF 750 = <u>PO107185.D</u>			
CF 500 = <u>PO107186.D</u>		CF 250 = <u>PO107187.D</u>		CF 050 = <u>PO107188.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	98519363	99934743	102532802	106601384	108740020	103265662
Aroclor-1016-2	(2)	140533795	142751421	144315942	146877552	130360060	140967754
Aroclor-1016-3	(3)	75819146	77111448	78799028	81783348	80215260	78745646
Aroclor-1016-4	(4)	61532960	63413097	65607722	69564368	70423600	66108349
Aroclor-1016-5	(5)	78878086	80970861	83522668	86940988	80356660	82133853
Aroclor-1260-1	(1)	150450531	152030172	155131756	161942364	156218200	155154605
Aroclor-1260-2	(2)	173752920	181526657	184104290	189736236	151457920	176115605
Aroclor-1260-3	(3)	168454604	170292340	172108108	175991544	151894120	167748143
Aroclor-1260-4	(4)	143637024	144895129	147115166	150514212	137242140	144680734
Aroclor-1260-5	(5)	340738400	339782780	336796716	340391952	289493480	329440666
Decachlorobiphenyl		2730622670	2745732653	2784792900	2852828640	2594005000	2741596373
Tetrachloro-m-xylene		3312014480	3338472613	3349065240	3230716080	2862214000	3218496483
Aroclor-1242-1	(1)	80390662	80447493	83937762	87266896	86674240	83743411
Aroclor-1242-2	(2)	114487494	111266404	117741916	120667112	114031640	115638913
Aroclor-1242-3	(3)	61817452	60461905	64396992	66865868	63624080	63433259
Aroclor-1242-4	(4)	60582529	60636219	64384594	68045260	66598220	64049364
Aroclor-1242-5	(5)	73763103	75675432	77215916	80736528	80226620	77523520
Decachlorobiphenyl		2686985320	2764418280	2764436780	2798541920	2665265400	2735929540
Tetrachloro-m-xylene		3315724680	3241948653	3341198040	3335574400	2920075400	3230904235
Aroclor-1248-1	(1)	60218805	63038185	64879120	66667236	62402400	63441149
Aroclor-1248-2	(2)	85173308	89108361	93061950	96541480	93540340	91485088
Aroclor-1248-3	(3)	89257070	93226611	97377878	100891904	96212540	95393201
Aroclor-1248-4	(4)	105934439	110533117	114760412	117772688	111691080	112138347
Aroclor-1248-5	(5)	102828085	105359652	109801380	114217964	119140640	110269544
Decachlorobiphenyl		2669365810	2682497173	2791873700	2836714480	2679938000	2732077833
Tetrachloro-m-xylene		3278417600	3389239440	3425836480	3362184040	2965722400	3284279992
Aroclor-1254-1	(1)	159855276	163854537	165548332	171717704	162964860	164788142
Aroclor-1254-2	(2)	138468840	142269335	144546922	151325972	148203140	144962842
Aroclor-1254-3	(3)	227061110	231385951	232213406	238575248	218867080	229620559
Aroclor-1254-4	(4)	128242906	130249965	131325350	135207044	122091880	129423429
Aroclor-1254-5	(5)	191904554	195153152	195378104	201188864	171636600	191052255
Decachlorobiphenyl		2726927150	2738190720	2773447120	2836815760	2598739800	2734824110
Tetrachloro-m-xylene		3347799560	3397335627	3354246660	3362236280	2930639600	3278451545
Aroclor-1268-1	(1)	419191400	409991492	413863584	410849472	368955300	404570250

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	389672996	380096764	383518208	378699872	334345600	373266688	6
Aroclor-1268-3	(3)	345284332	337828173	339535756	338755760	307004380	333681680	5
Aroclor-1268-4	(4)	129107993	127445005	127285362	129260796	113749480	125369727	5
Aroclor-1268-5	(5)	1049237500	1019311260	1017080130	996315476	856840280	987756929	8
Decachlorobiphenyl		4873889790	4739451973	4823511780	4890043960	4430545400	4751488581	4
Tetrachloro-m-xylene		3440286630	3329771373	3416104800	3331345720	2963806400	3296262985	6

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Instrument ID: ECD_O Date(s) Analyzed: 10/15/2024 10/16/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.57	4.47	4.67	110010000
		2	4.66	4.56	4.76	78836600
		3	4.73	4.63	4.83	234100000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.73	4.63	4.83	195844000
		2	5.26	5.16	5.36	103025000
		3	5.54	5.44	5.64	179001000
		4	5.70	5.60	5.80	90165400
		5	5.80	5.70	5.90	65903200
Aroclor-1262	500	1	7.74	7.64	7.84	245548000
		2	8.28	8.18	8.38	309420000
		3	8.59	8.49	8.69	209196000
		4	8.68	8.58	8.78	163066000
		5	9.32	9.22	9.42	102764000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Instrument ID: ECD_O Date(s) Analyzed: 10/15/2024 10/16/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.86	3.76	3.96	34895600
		2	3.94	3.84	4.04	26624800
		3	4.02	3.92	4.12	81218600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.02	3.92	4.12	67327000
		2	4.75	4.65	4.85	63205200
		3	4.92	4.82	5.02	34475000
		4	5.00	4.90	5.10	31466000
		5	5.18	5.08	5.28	33083400
Aroclor-1262	500	1	6.76	6.66	6.86	212876000
		2	7.26	7.16	7.36	363332000
		3	7.54	7.44	7.64	137384000
		4	7.61	7.51	7.71	264574000
		5	8.10	8.00	8.20	112833000

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Continuing Calib Date: 11/06/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 09:29 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.53	5.52	5.42	5.62	-0.01
Aroclor-1016-2	(2)	5.55	5.55	5.45	5.65	0.00
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.71	5.70	5.60	5.80	-0.01
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.39	7.38	7.28	7.48	-0.01
Aroclor-1260-3	(3)	7.75	7.74	7.64	7.84	-0.01
Aroclor-1260-4	(4)	7.98	7.97	7.87	8.07	-0.01
Aroclor-1260-5	(5)	8.29	8.28	8.18	8.38	-0.01
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.08	10.06	9.96	10.16	-0.02

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Continuing Calib Date: 11/06/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 09:29 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL01 Date Analyzed: 11/06/2024

Lab Sample No.: AR1660CCC500 Data File : PO107726.D Time Analyzed: 09:29

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.525	5.423	5.623	511.290	500.000	2.3
Aroclor-1016-2	5.547	5.445	5.645	497.460	500.000	-0.5
Aroclor-1016-3	5.610	5.507	5.707	489.050	500.000	-2.2
Aroclor-1016-4	5.707	5.604	5.804	512.950	500.000	2.6
Aroclor-1016-5	6.002	5.899	6.099	511.100	500.000	2.2
Aroclor-1260-1	7.132	7.026	7.226	513.000	500.000	2.6
Aroclor-1260-2	7.389	7.282	7.482	542.700	500.000	8.5
Aroclor-1260-3	7.752	7.643	7.843	537.760	500.000	7.6
Aroclor-1260-4	7.977	7.868	8.068	552.670	500.000	10.5
Aroclor-1260-5	8.291	8.181	8.381	599.200	500.000	19.8
Decachlorobiphenyl	10.079	9.958	10.158	48.100	50.000	-3.8
Tetrachloro-m-xylene	4.373	4.274	4.474	51.680	50.000	3.4

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL01 Date Analyzed: 11/06/2024

Lab Sample No.: AR1660CCC500 Data File : PO107726.D Time Analyzed: 09:29

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.724	4.626	4.826	535.170	500.000	7.0
Aroclor-1016-2	4.743	4.645	4.845	548.800	500.000	9.8
Aroclor-1016-3	4.918	4.821	5.021	527.740	500.000	5.5
Aroclor-1016-4	4.960	4.862	5.062	488.290	500.000	-2.3
Aroclor-1016-5	5.174	5.076	5.276	523.130	500.000	4.6
Aroclor-1260-1	6.204	6.107	6.307	506.050	500.000	1.2
Aroclor-1260-2	6.392	6.294	6.494	533.470	500.000	6.7
Aroclor-1260-3	6.545	6.448	6.648	522.150	500.000	4.4
Aroclor-1260-4	7.017	6.918	7.118	519.510	500.000	3.9
Aroclor-1260-5	7.258	7.159	7.359	552.050	500.000	10.4
Decachlorobiphenyl	8.640	8.539	8.739	54.490	50.000	9.0
Tetrachloro-m-xylene	3.643	3.545	3.745	54.140	50.000	8.3

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Continuing Calib Date: 11/06/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 16:54 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.55	5.55	5.45	5.65	0.00
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.71	5.70	5.60	5.80	-0.01
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.39	7.38	7.28	7.48	-0.01
Aroclor-1260-3	(3)	7.75	7.74	7.64	7.84	-0.01
Aroclor-1260-4	(4)	7.98	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.29	8.28	8.18	8.38	-0.01
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.07	10.06	9.96	10.16	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Continuing Calib Date: 11/06/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 16:54 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL02 Date Analyzed: 11/06/2024

Lab Sample No.: AR1660CCC500 Data File : PO107741.D Time Analyzed: 16:54

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.524	5.423	5.623	463.130	500.000	-7.4
Aroclor-1016-2	5.546	5.445	5.645	444.160	500.000	-11.2
Aroclor-1016-3	5.608	5.507	5.707	441.970	500.000	-11.6
Aroclor-1016-4	5.706	5.604	5.804	462.710	500.000	-7.5
Aroclor-1016-5	6.001	5.899	6.099	463.090	500.000	-7.4
Aroclor-1260-1	7.130	7.026	7.226	456.620	500.000	-8.7
Aroclor-1260-2	7.387	7.282	7.482	464.280	500.000	-7.1
Aroclor-1260-3	7.750	7.643	7.843	448.010	500.000	-10.4
Aroclor-1260-4	7.975	7.868	8.068	465.650	500.000	-6.9
Aroclor-1260-5	8.289	8.181	8.381	482.090	500.000	-3.6
Decachlorobiphenyl	10.074	9.958	10.158	43.960	50.000	-12.1
Tetrachloro-m-xylene	4.372	4.274	4.474	52.670	50.000	5.3

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL02 Date Analyzed: 11/06/2024

Lab Sample No.: AR1660CCC500 Data File : PO107741.D Time Analyzed: 16:54

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.723	4.626	4.826	534.360	500.000	6.9
Aroclor-1016-2	4.742	4.645	4.845	554.800	500.000	11.0
Aroclor-1016-3	4.918	4.821	5.021	533.240	500.000	6.6
Aroclor-1016-4	4.959	4.862	5.062	489.970	500.000	-2.0
Aroclor-1016-5	5.173	5.076	5.276	523.370	500.000	4.7
Aroclor-1260-1	6.204	6.107	6.307	496.980	500.000	-0.6
Aroclor-1260-2	6.391	6.294	6.494	518.510	500.000	3.7
Aroclor-1260-3	6.544	6.448	6.648	492.660	500.000	-1.5
Aroclor-1260-4	7.016	6.918	7.118	462.170	500.000	-7.6
Aroclor-1260-5	7.256	7.159	7.359	474.270	500.000	-5.1
Decachlorobiphenyl	8.637	8.539	8.739	41.590	50.000	-16.8
Tetrachloro-m-xylene	3.643	3.545	3.745	53.650	50.000	7.3

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Continuing Calib Date: 11/06/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 21:42 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.55	5.55	5.45	5.65	0.00
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.71	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.39	7.38	7.28	7.48	-0.01
Aroclor-1260-3	(3)	7.75	7.74	7.64	7.84	-0.01
Aroclor-1260-4	(4)	7.98	7.97	7.87	8.07	-0.01
Aroclor-1260-5	(5)	8.29	8.28	8.18	8.38	-0.01
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.08	10.06	9.96	10.16	-0.02

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Continuing Calib Date: 11/06/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 21:42 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL03 Date Analyzed: 11/06/2024

Lab Sample No.: AR1660CCC500 Data File : PO107756.D Time Analyzed: 21:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.523	5.423	5.623	521.970	500.000	4.4
Aroclor-1016-2	5.546	5.445	5.645	513.220	500.000	2.6
Aroclor-1016-3	5.608	5.507	5.707	503.460	500.000	0.7
Aroclor-1016-4	5.705	5.604	5.804	530.050	500.000	6.0
Aroclor-1016-5	6.001	5.899	6.099	533.120	500.000	6.6
Aroclor-1260-1	7.132	7.026	7.226	487.030	500.000	-2.6
Aroclor-1260-2	7.388	7.282	7.482	514.800	500.000	3.0
Aroclor-1260-3	7.751	7.643	7.843	532.710	500.000	6.5
Aroclor-1260-4	7.976	7.868	8.068	568.210	500.000	13.6
Aroclor-1260-5	8.290	8.181	8.381	561.040	500.000	12.2
Decachlorobiphenyl	10.077	9.958	10.158	47.560	50.000	-4.9
Tetrachloro-m-xylene	4.372	4.274	4.474	52.470	50.000	4.9

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL03 Date Analyzed: 11/06/2024

Lab Sample No.: AR1660CCC500 Data File : PO107756.D Time Analyzed: 21:42

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.724	4.626	4.826	531.640	500.000	6.3
Aroclor-1016-2	4.743	4.645	4.845	551.000	500.000	10.2
Aroclor-1016-3	4.919	4.821	5.021	530.220	500.000	6.0
Aroclor-1016-4	4.960	4.862	5.062	490.360	500.000	-1.9
Aroclor-1016-5	5.174	5.076	5.276	523.760	500.000	4.8
Aroclor-1260-1	6.205	6.107	6.307	511.170	500.000	2.2
Aroclor-1260-2	6.392	6.294	6.494	542.160	500.000	8.4
Aroclor-1260-3	6.546	6.448	6.648	529.960	500.000	6.0
Aroclor-1260-4	7.017	6.918	7.118	530.010	500.000	6.0
Aroclor-1260-5	7.258	7.159	7.359	565.090	500.000	13.0
Decachlorobiphenyl	8.639	8.539	8.739	54.600	50.000	9.2
Tetrachloro-m-xylene	3.643	3.545	3.745	53.910	50.000	7.8

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 00:20 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.55	5.55	5.45	5.65	0.00
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.71	5.70	5.60	5.80	-0.01
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.39	7.38	7.28	7.48	-0.01
Aroclor-1260-3	(3)	7.75	7.74	7.64	7.84	-0.01
Aroclor-1260-4	(4)	7.98	7.97	7.87	8.07	-0.01
Aroclor-1260-5	(5)	8.29	8.28	8.18	8.38	-0.01
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.08	10.06	9.96	10.16	-0.02

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 00:20 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL04 Date Analyzed: 11/07/2024

Lab Sample No.: AR1660CCC500 Data File : PO107763.D Time Analyzed: 00:20

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.523	5.423	5.623	547.580	500.000	9.5
Aroclor-1016-2	5.546	5.445	5.645	529.750	500.000	6.0
Aroclor-1016-3	5.608	5.507	5.707	527.770	500.000	5.6
Aroclor-1016-4	5.706	5.604	5.804	552.330	500.000	10.5
Aroclor-1016-5	6.001	5.899	6.099	549.630	500.000	9.9
Aroclor-1260-1	7.131	7.026	7.226	525.580	500.000	5.1
Aroclor-1260-2	7.388	7.282	7.482	540.410	500.000	8.1
Aroclor-1260-3	7.750	7.643	7.843	537.840	500.000	7.6
Aroclor-1260-4	7.976	7.868	8.068	568.050	500.000	13.6
Aroclor-1260-5	8.290	8.181	8.381	579.820	500.000	16.0
Decachlorobiphenyl	10.077	9.958	10.158	48.730	50.000	-2.5
Tetrachloro-m-xylene	4.372	4.274	4.474	53.790	50.000	7.6

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL04 Date Analyzed: 11/07/2024

Lab Sample No.: AR1660CCC500 Data File : PO107763.D Time Analyzed: 00:20

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.723	4.626	4.826	549.090	500.000	9.8
Aroclor-1016-2	4.742	4.645	4.845	562.330	500.000	12.5
Aroclor-1016-3	4.918	4.821	5.021	540.540	500.000	8.1
Aroclor-1016-4	4.960	4.862	5.062	495.890	500.000	-0.8
Aroclor-1016-5	5.173	5.076	5.276	536.380	500.000	7.3
Aroclor-1260-1	6.204	6.107	6.307	525.020	500.000	5.0
Aroclor-1260-2	6.392	6.294	6.494	553.370	500.000	10.7
Aroclor-1260-3	6.545	6.448	6.648	536.080	500.000	7.2
Aroclor-1260-4	7.016	6.918	7.118	536.010	500.000	7.2
Aroclor-1260-5	7.257	7.159	7.359	565.900	500.000	13.2
Decachlorobiphenyl	8.639	8.539	8.739	55.530	50.000	11.1
Tetrachloro-m-xylene	3.642	3.545	3.745	55.140	50.000	10.3

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: P4718
Project: Amtrak Sawtooth Bridges 2024	Instrument ID: ECD_O
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/15/2024 10/15/2024

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	10/15/2024	18:08	PO107183.D	10.06	4.37
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	10.06	4.37
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	10.06	4.37
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	10.06	4.37
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	10.06	4.37
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	10.06	4.37
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	10.06	4.37
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	10.06	4.37
AR1242ICC1000	AR1242ICC1000	10/15/2024	20:34	PO107191.D	10.06	4.37
AR1242ICC750	AR1242ICC750	10/15/2024	20:52	PO107192.D	10.06	4.37
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	10.06	4.37
AR1242ICC250	AR1242ICC250	10/15/2024	21:28	PO107194.D	10.06	4.37
AR1242ICC050	AR1242ICC050	10/15/2024	21:46	PO107195.D	10.06	4.37
AR1248ICC1000	AR1248ICC1000	10/15/2024	22:04	PO107196.D	10.06	4.37
AR1248ICC750	AR1248ICC750	10/15/2024	22:22	PO107197.D	10.06	4.37
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	10.06	4.37
AR1248ICC250	AR1248ICC250	10/15/2024	22:59	PO107199.D	10.06	4.37
AR1248ICC050	AR1248ICC050	10/15/2024	23:17	PO107200.D	10.06	4.37
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	10.06	4.37
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	10.06	4.37
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	10.06	4.37
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	10.06	4.37
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	10.06	4.37
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	10.06	4.37
AR1268ICC1000	AR1268ICC1000	10/16/2024	01:23	PO107207.D	10.06	4.37
AR1268ICC750	AR1268ICC750	10/16/2024	01:41	PO107208.D	10.06	4.37
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	10.06	4.37
AR1268ICC250	AR1268ICC250	10/16/2024	02:18	PO107210.D	10.06	4.37
AR1268ICC050	AR1268ICC050	10/16/2024	02:36	PO107211.D	10.06	4.37
AR1660CCC500	AR1660CCC500	11/06/2024	09:29	PO107726.D	10.08	4.37
IBLK	IBLK	11/06/2024	10:33	PO107730.D	10.07	4.37
PB164700BL	PB164700BL	11/06/2024	13:10	PO107731.D	10.08	4.37
PB164700BS	PB164700BS	11/06/2024	13:26	PO107732.D	10.08	4.37
TR-04-110424MS	P4706-01MS	11/06/2024	14:30	PO107736.D	10.08	4.37
TR-04-110424MSD	P4706-01MSD	11/06/2024	14:46	PO107737.D	10.08	4.37
WB-307-SB01	P4718-01	11/06/2024	15:35	PO107740.D	10.08	4.37
AR1660CCC500	AR1660CCC500	11/06/2024	16:54	PO107741.D	10.07	4.37
IBLK	IBLK	11/06/2024	17:59	PO107745.D	10.07	4.37
PB164704BL	PB164704BL	11/06/2024	18:15	PO107746.D	10.07	4.37
PB164704BS	PB164704BS	11/06/2024	18:31	PO107747.D	10.07	4.37
PB164704BSD	PB164704BSD	11/06/2024	18:47	PO107748.D	10.08	4.37
WB-307-SW	P4718-04	11/06/2024	20:41	PO107755.D	10.08	4.37

Analytical Sequence

AR1660CCC500	AR1660CCC500	11/06/2024	21:42	PO107756.D	10.08	4.37
I.BLK	I.BLK	11/06/2024	22:46	PO107760.D	10.08	4.37
WB-307-SB02	P4718-02	11/06/2024	23:02	PO107761.D	10.08	4.37
AR1660CCC500	AR1660CCC500	11/07/2024	00:20	PO107763.D	10.08	4.37
I.BLK	I.BLK	11/07/2024	01:25	PO107767.D	10.08	4.37

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: P4718
Project: Amtrak Sawtooth Bridges 2024	Instrument ID: ECD_O
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/15/2024 10/15/2024

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	10/15/2024	18:08	PO107183.D	8.64	3.64
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	8.64	3.64
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	8.64	3.64
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	8.64	3.65
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	8.64	3.64
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	8.64	3.64
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	8.64	3.64
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	8.64	3.64
AR1242ICC1000	AR1242ICC1000	10/15/2024	20:34	PO107191.D	8.64	3.64
AR1242ICC750	AR1242ICC750	10/15/2024	20:52	PO107192.D	8.64	3.64
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	8.64	3.64
AR1242ICC250	AR1242ICC250	10/15/2024	21:28	PO107194.D	8.64	3.65
AR1242ICC050	AR1242ICC050	10/15/2024	21:46	PO107195.D	8.64	3.64
AR1248ICC1000	AR1248ICC1000	10/15/2024	22:04	PO107196.D	8.64	3.64
AR1248ICC750	AR1248ICC750	10/15/2024	22:22	PO107197.D	8.64	3.64
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	8.64	3.64
AR1248ICC250	AR1248ICC250	10/15/2024	22:59	PO107199.D	8.64	3.64
AR1248ICC050	AR1248ICC050	10/15/2024	23:17	PO107200.D	8.64	3.64
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	8.64	3.65
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	8.64	3.64
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	8.64	3.64
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	8.64	3.64
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	8.64	3.65
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	8.64	3.64
AR1268ICC1000	AR1268ICC1000	10/16/2024	01:23	PO107207.D	8.64	3.65
AR1268ICC750	AR1268ICC750	10/16/2024	01:41	PO107208.D	8.64	3.64
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	8.64	3.65
AR1268ICC250	AR1268ICC250	10/16/2024	02:18	PO107210.D	8.64	3.64
AR1268ICC050	AR1268ICC050	10/16/2024	02:36	PO107211.D	8.64	3.65
AR1660CCC500	AR1660CCC500	11/06/2024	09:29	PO107726.D	8.64	3.64
IBLK	IBLK	11/06/2024	10:33	PO107730.D	8.64	3.64
PB164700BL	PB164700BL	11/06/2024	13:10	PO107731.D	8.64	3.64
PB164700BS	PB164700BS	11/06/2024	13:26	PO107732.D	8.64	3.64
TR-04-110424MS	P4706-01MS	11/06/2024	14:30	PO107736.D	8.64	3.64
TR-04-110424MSD	P4706-01MSD	11/06/2024	14:46	PO107737.D	8.64	3.64
WB-307-SB01	P4718-01	11/06/2024	15:35	PO107740.D	8.64	3.64
AR1660CCC500	AR1660CCC500	11/06/2024	16:54	PO107741.D	8.64	3.64
IBLK	IBLK	11/06/2024	17:59	PO107745.D	8.64	3.64
PB164704BL	PB164704BL	11/06/2024	18:15	PO107746.D	8.64	3.64
PB164704BS	PB164704BS	11/06/2024	18:31	PO107747.D	8.64	3.64
PB164704BSD	PB164704BSD	11/06/2024	18:47	PO107748.D	8.64	3.64
WB-307-SW	P4718-04	11/06/2024	20:41	PO107755.D	8.64	3.64

Analytical Sequence

AR1660CCC500	AR1660CCC500	11/06/2024	21:42	PO107756.D	8.64	3.64
I.BLK	I.BLK	11/06/2024	22:46	PO107760.D	8.64	3.64
WB-307-SB02	P4718-02	11/06/2024	23:02	PO107761.D	8.64	3.64
AR1660CCC500	AR1660CCC500	11/07/2024	00:20	PO107763.D	8.64	3.64
I.BLK	I.BLK	11/07/2024	01:25	PO107767.D	8.64	3.64

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164700BS

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Lab Sample ID: PB164700BS Date(s) Analyzed: 11/06/2024 11/06/2024

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO107732.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.524	5.474	5.574	166	163	3.12
COLUMN 1	2	5.546	5.496	5.596	160		
	3	5.609	5.559	5.659	159		
	4	5.706	5.656	5.756	167		
	5	6.001	5.951	6.051	163		
	1	4.724	4.674	4.774	162		
COLUMN 2	2	4.743	4.693	4.793	168	158	
	3	4.919	4.869	4.969	161		
	4	4.96	4.91	5.01	146		
	5	5.174	5.124	5.224	155		
Aroclor-1260	1	7.131	7.081	7.181	171	168	5.5
COLUMN 1	2	7.388	7.338	7.438	178		
	3	7.75	7.7	7.8	157		
	4	7.975	7.925	8.025	174		
	5	8.29	8.24	8.34	160		
	1	6.205	6.155	6.255	162	159	
COLUMN 2	2	6.393	6.343	6.443	170		
	3	6.545	6.495	6.595	166		
	4	7.016	6.966	7.066	144		
	5	7.258	7.208	7.308	154		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TR-04-110424MS

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Lab Sample ID: P4706-01MS Date(s) Analyzed: 11/06/2024 11/06/2024

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO107736.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.523	5.473	5.573	145	139	2.84
COLUMN 1	2	5.546	5.496	5.596	133		
	3	5.608	5.558	5.658	136		
	4	5.705	5.655	5.755	148		
	5	5.999	5.949	6.049	131		
	1	4.723	4.673	4.773	150		
COLUMN 2	2	4.742	4.692	4.792	152	143	
	3	4.918	4.868	4.968	144		
	4	4.96	4.91	5.01	132		
	5	5.172	5.122	5.222	134		
Aroclor-1260	1	7.13	7.08	7.18	139	142	15.15
COLUMN 1	2	7.387	7.337	7.437	155		
	3	7.749	7.699	7.799	123		
	4	7.973	7.923	8.023	150		
	5	8.288	8.238	8.338	144		
	1	6.204	6.154	6.254	128	122	
COLUMN 2	2	6.391	6.341	6.441	136		
	3	6.544	6.494	6.594	128		
	4	7.016	6.966	7.066	106		
	5	7.257	7.207	7.307	113		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TR-04-110424MSD

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Lab Sample ID: P4706-01MSD Date(s) Analyzed: 11/06/2024 11/06/2024

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO107737.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.523	5.473	5.573	136	131	5.93
COLUMN 1	2	5.545	5.495	5.595	126		
	3	5.608	5.558	5.658	128		
	4	5.705	5.655	5.755	139		
	5	6	5.95	6.05	127		
	1	4.724	4.674	4.774	146		
COLUMN 2	2	4.743	4.693	4.793	149	139	
	3	4.919	4.869	4.969	141		
	4	4.96	4.91	5.01	129		
	5	5.173	5.123	5.223	131		
Aroclor-1260	1	7.13	7.08	7.18	131	135	14.29
COLUMN 1	2	7.387	7.337	7.437	146		
	3	7.749	7.699	7.799	120		
	4	7.974	7.924	8.024	140		
	5	8.289	8.239	8.339	139		
	1	6.204	6.154	6.254	123	117	
COLUMN 2	2	6.391	6.341	6.441	130		
	3	6.545	6.495	6.595	123		
	4	7.016	6.966	7.066	101		
	5	7.257	7.207	7.307	108		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164704BS

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Lab Sample ID: PB164704BS Date(s) Analyzed: 11/06/2024 11/06/2024

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO107747.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD	
			FROM	TO				
Aroclor-1016	1	5.523	5.473	5.573	4.34	4.20	0	
COLUMN 1	2	5.545	5.495	5.595	4.25			
	3	5.608	5.558	5.658	4.18			
	4	5.705	5.655	5.755	4.34			
	5	6	5.95	6.05	4.00			
	1	4.723	4.673	4.773	4.43			
COLUMN 2	2	4.742	4.692	4.792	4.53	4.20		
	3	4.918	4.868	4.968	4.26			
	4	4.959	4.909	5.009	3.86			
	5	5.173	5.123	5.223	4.08			
Aroclor-1260	1	7.129	7.079	7.179	4.04	4.20	2.35	
COLUMN 1	2	7.386	7.336	7.436	4.48			
	3	7.748	7.698	7.798	3.76			
	4	7.974	7.924	8.024	4.65			
	5	8.289	8.239	8.339	3.93			
	1	6.204	6.154	6.254	4.39			
COLUMN 2	2	6.391	6.341	6.441	4.63	4.30		
	3	6.545	6.495	6.595	4.51			
	4	7.015	6.965	7.065	3.90			
	5	7.256	7.206	7.306	4.15			

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164704BSD

Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Lab Sample ID: PB164704BSD Date(s) Analyzed: 11/06/2024 11/06/2024

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO107748.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.522	5.472	5.572	4.50	4.40	2.25
COLUMN 1	2	5.545	5.495	5.595	4.39		
	3	5.607	5.557	5.657	4.39		
	4	5.705	5.655	5.755	4.53		
	5	6	5.95	6.05	4.32		
	1	4.723	4.673	4.773	4.61		
COLUMN 2	2	4.742	4.692	4.792	4.70	4.50	
	3	4.918	4.868	4.968	4.52		
	4	4.96	4.91	5.01	4.10		
	5	5.173	5.123	5.223	4.33		
Aroclor-1260	1	7.129	7.079	7.179	4.10	4.20	6.9
COLUMN 1	2	7.386	7.336	7.436	4.66		
	3	7.749	7.699	7.799	3.99		
	4	7.974	7.924	8.024	4.34		
	5	8.289	8.239	8.339	4.11		
	1	6.204	6.154	6.254	4.53		
COLUMN 2	2	6.391	6.341	6.441	4.80	4.50	
	3	6.544	6.494	6.594	4.68		
	4	7.015	6.965	7.065	4.06		
	5	7.257	7.207	7.307	4.32		



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110624\
 Data File : PO107740.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 15:35
 Operator : YP/AJ
 Sample : P4718-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 WB-307-SB01

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 07 00:38:27 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 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...	4.372	3.643	136.2E6	59626457	14.945	18.526
2) SA Decachlor...	10.076	8.639	32165255	30200030	13.111	11.015

Target Compounds

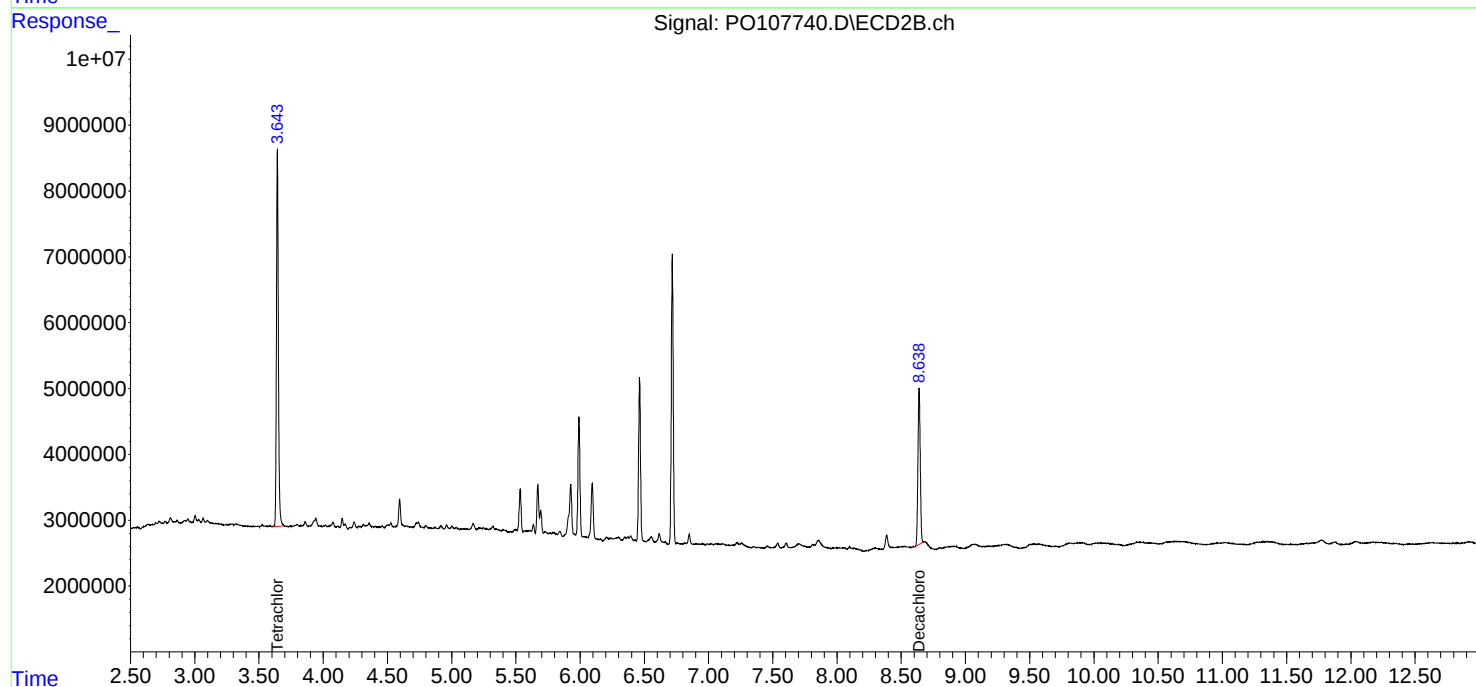
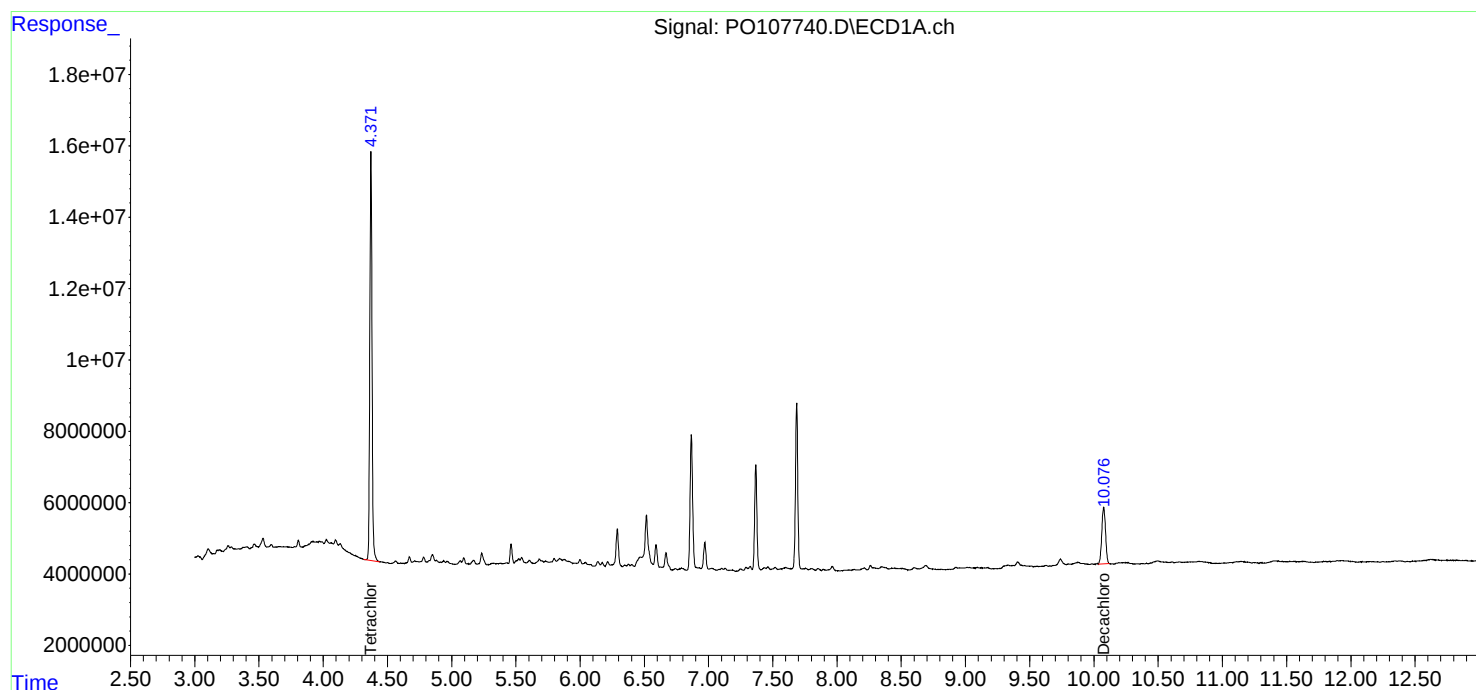
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

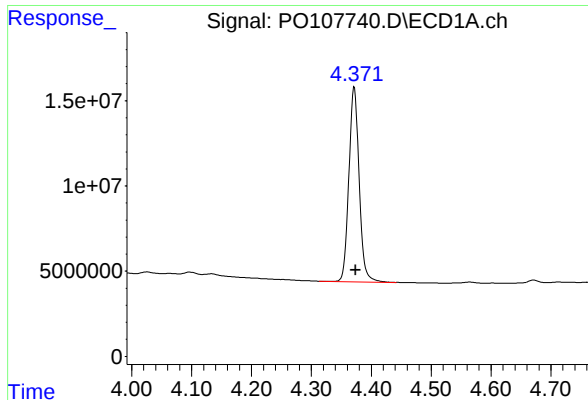
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110624\
Data File : PO107740.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 15:35
Operator : YP/AJ
Sample : P4718-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
WB-307-SB01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 00:38:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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

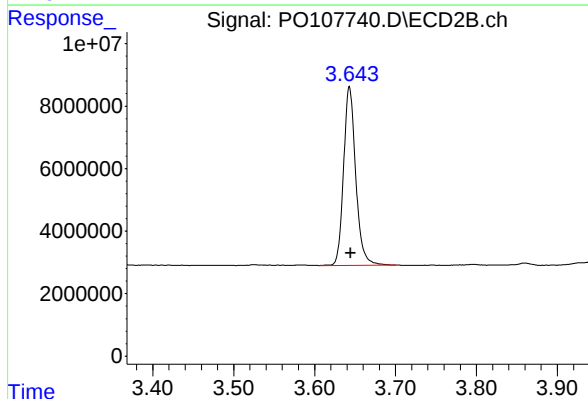




#1 Tetrachloro-m-xylene

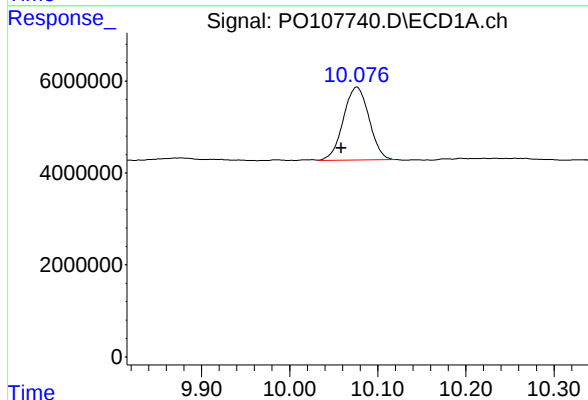
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 136204161
Conc: 14.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
WB-307-SB01



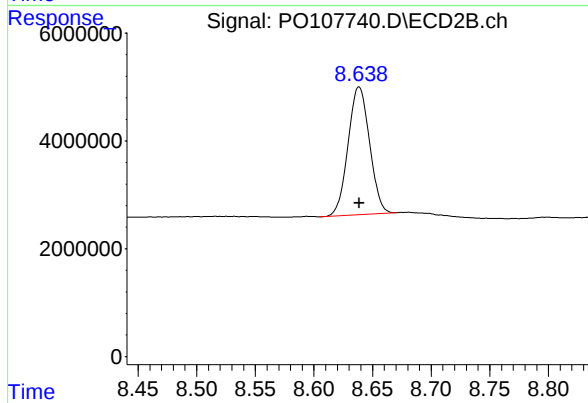
#1 Tetrachloro-m-xylene

R.T.: 3.643 min
Delta R.T.: -0.002 min
Response: 59626457
Conc: 18.53 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.076 min
Delta R.T.: 0.018 min
Response: 32165255
Conc: 13.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 30200030
Conc: 11.02 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110624\
 Data File : PO107761.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 23:02
 Operator : YP/AJ
 Sample : P4718-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 WB-307-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: Nov 07 00:51:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 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...	4.372	3.642	188.9E6	68344143	20.728	21.235
2) SA Decachlor...	10.075	8.639	46538403	57577942	18.969	21.002

Target Compounds

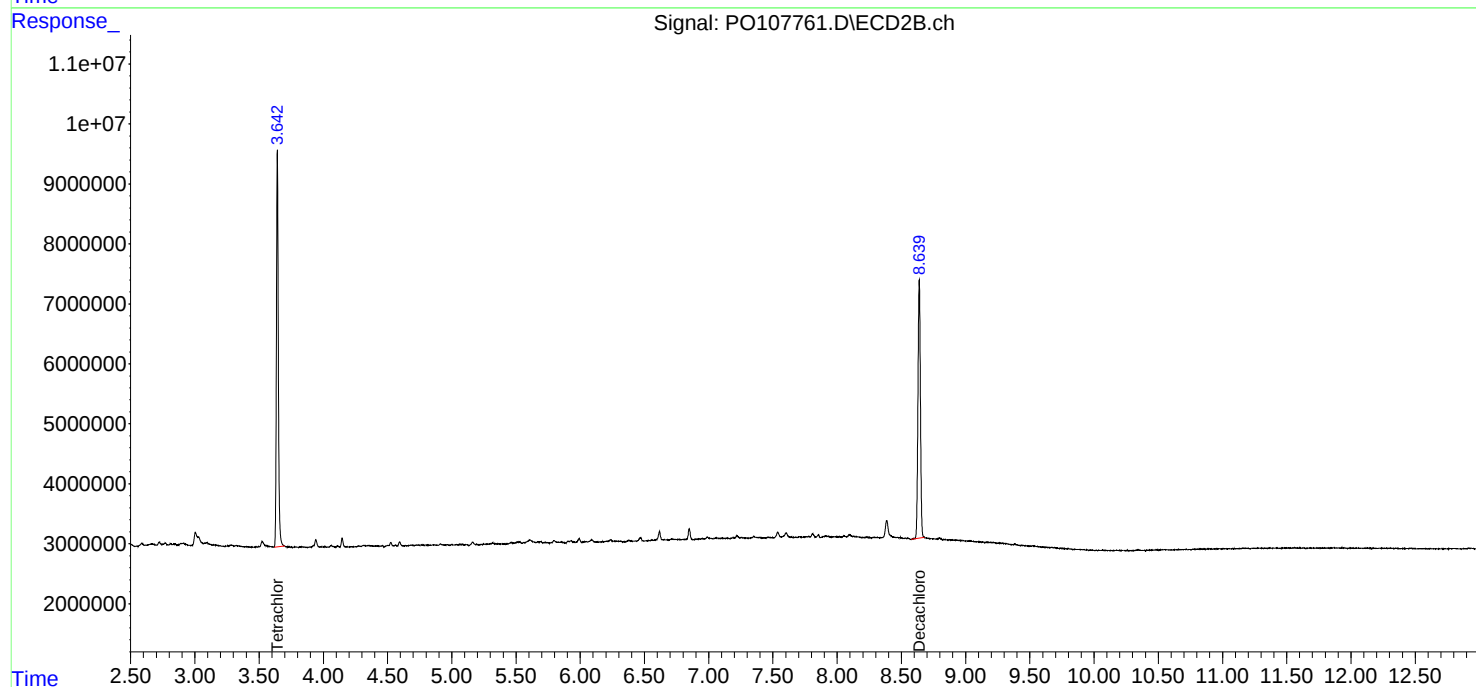
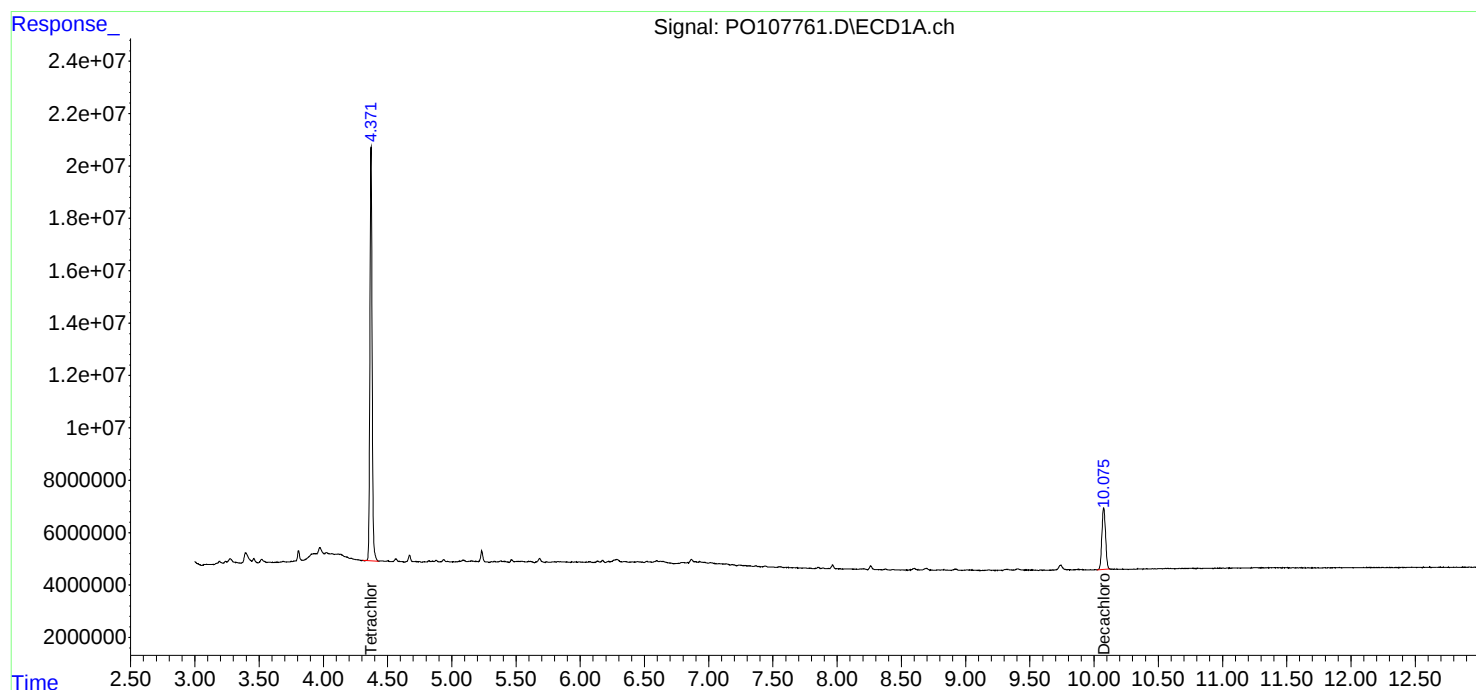
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

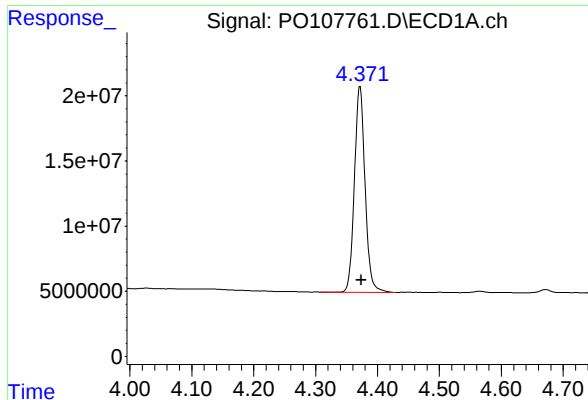
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110624\
Data File : PO107761.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 23:02
Operator : YP/AJ
Sample : P4718-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
WB-307-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 00:51:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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

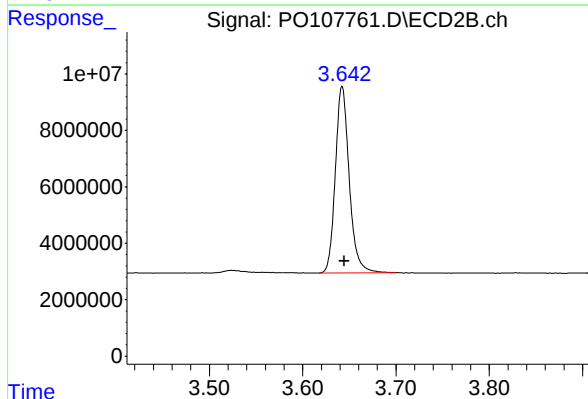




#1 Tetrachloro-m-xylene

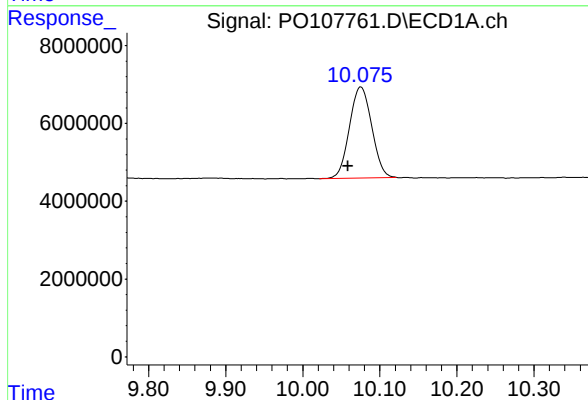
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 188913124
Conc: 20.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
WB-307-SB02



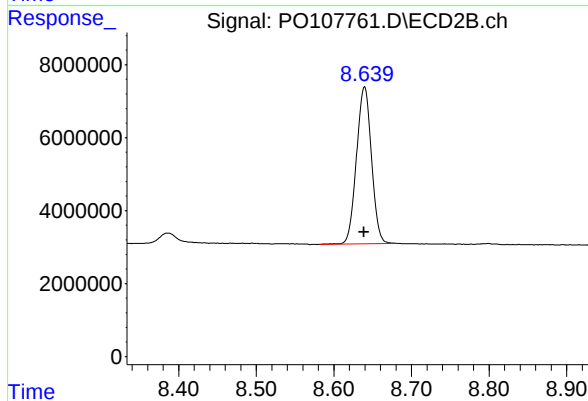
#1 Tetrachloro-m-xylene

R.T.: 3.642 min
Delta R.T.: -0.002 min
Response: 68344143
Conc: 21.23 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.075 min
Delta R.T.: 0.017 min
Response: 46538403
Conc: 18.97 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 57577942
Conc: 21.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110624\
 Data File : PO107755.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 20:41
 Operator : YP/AJ
 Sample : P4718-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 WB-307-SW

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: Nov 07 00:47:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 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...	4.372	3.643	165.7E6	60741855	18.177	18.873
2) SA Decachlor...	10.075	8.639	43125108	51403974	17.578	18.750

Target Compounds

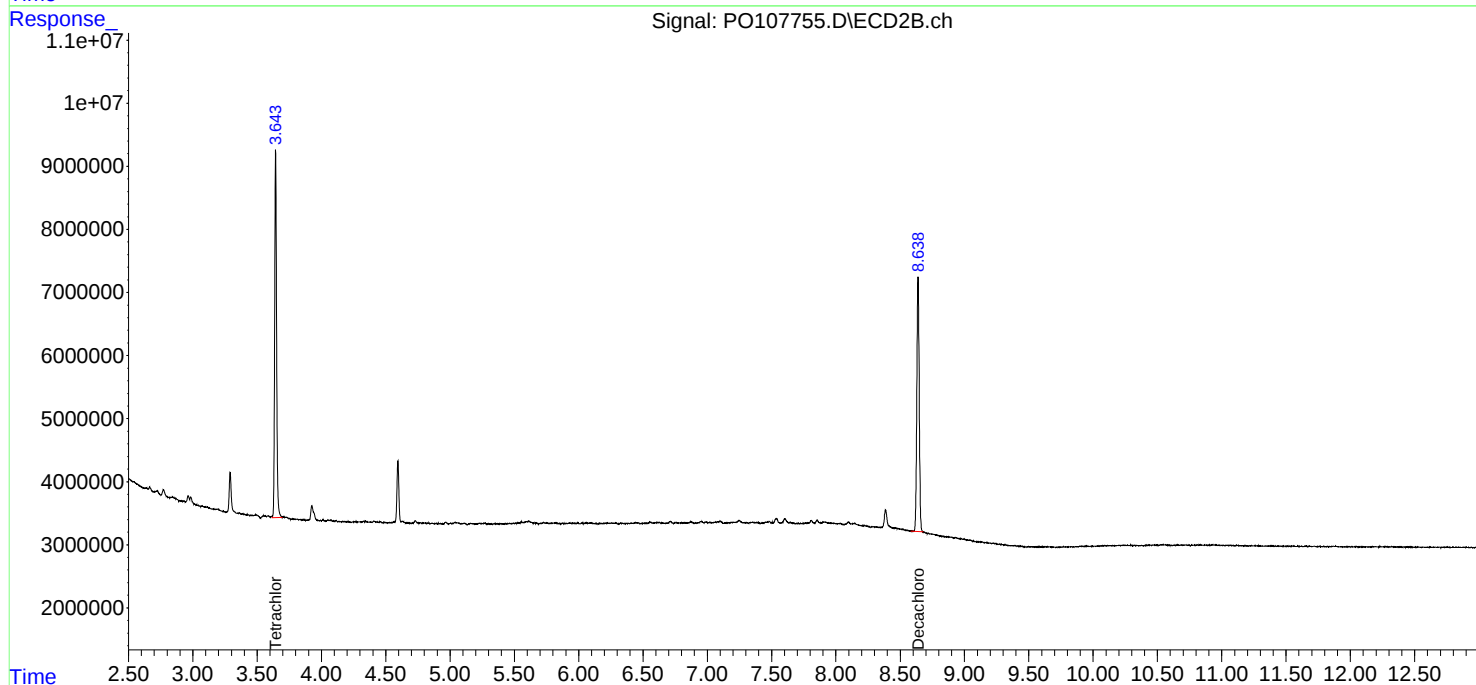
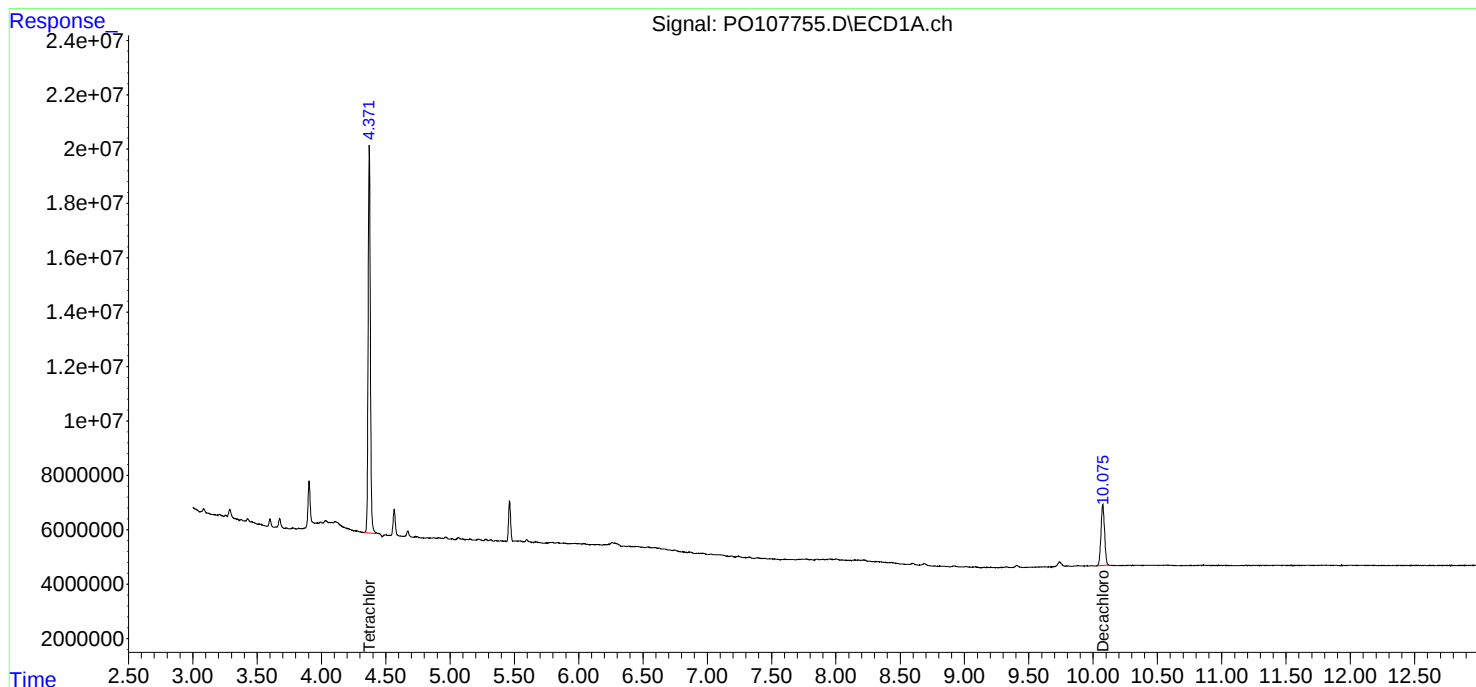
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

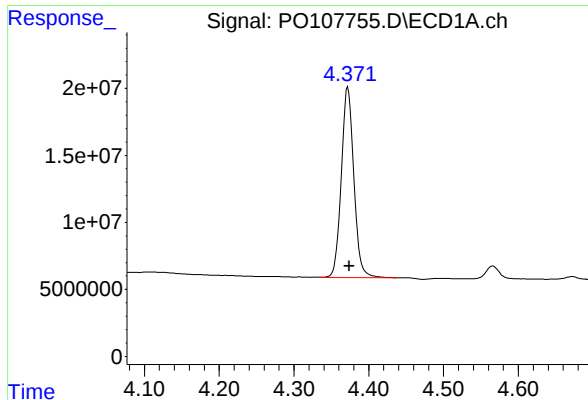
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110624\
Data File : PO107755.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 20:41
Operator : YP/AJ
Sample : P4718-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
WB-307-SW

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 00:47:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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

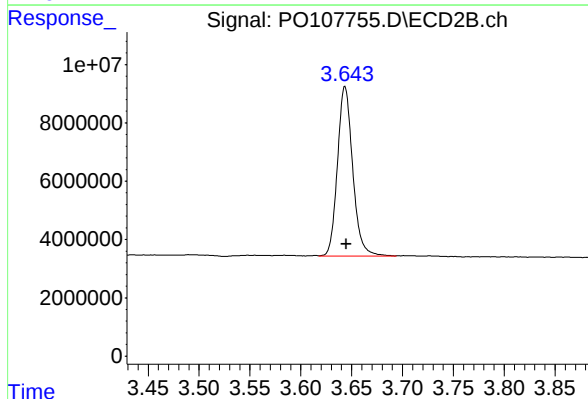




#1 Tetrachloro-m-xylene

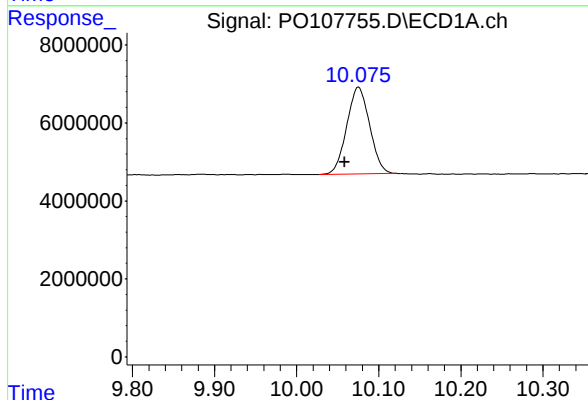
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 165666421
Conc: 18.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
WB-307-SW



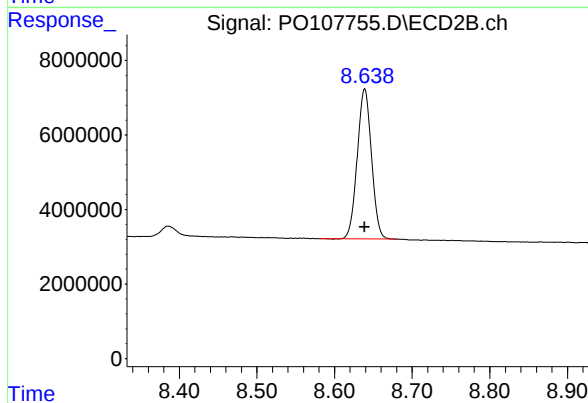
#1 Tetrachloro-m-xylene

R.T.: 3.643 min
Delta R.T.: -0.001 min
Response: 60741855
Conc: 18.87 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.075 min
Delta R.T.: 0.017 min
Response: 43125108
Conc: 17.58 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 51403974
Conc: 18.75 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110624\
 Data File : PO107731.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 13:10
 Operator : YP/AJ
 Sample : PB164700BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB164700BL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
 Supervised By :Ankita Jodhani 11/07/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 06 14:27:35 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 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...	4.374	3.644	196.1E6	69316988	21.520	21.537
2) SA Decachlor...	10.081	8.641	56085345	66156116	22.860m	24.131

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110624\
Data File : PO107731.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 13:10
Operator : YP/AJ
Sample : PB164700BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

PB164700BL

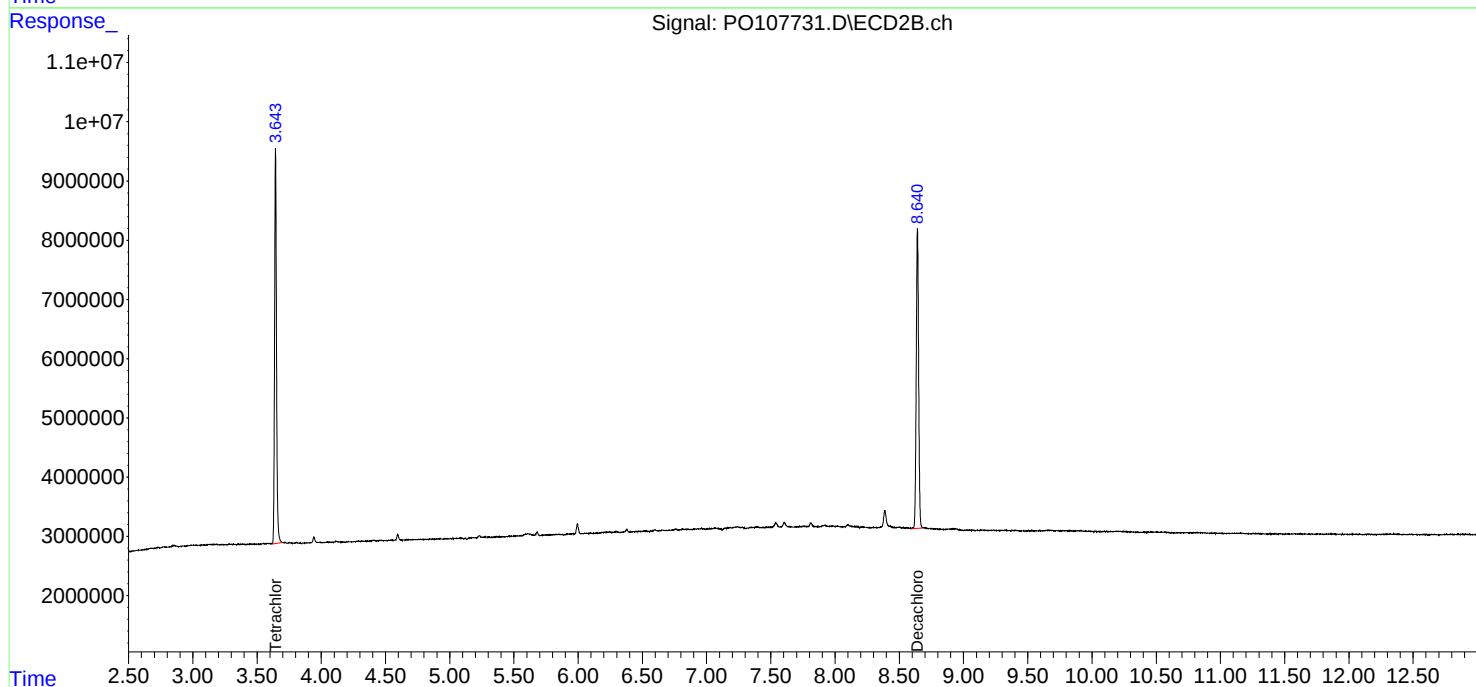
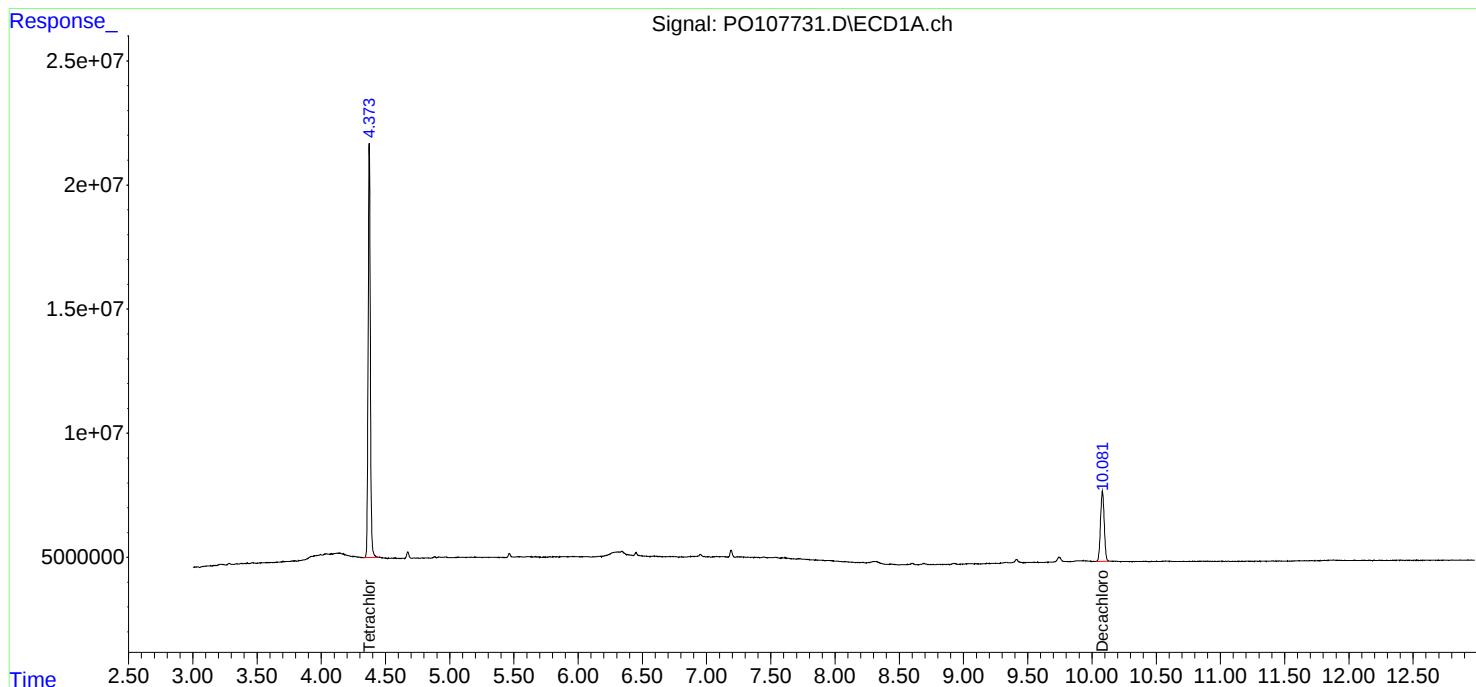
Manual Integrations**APPROVED**

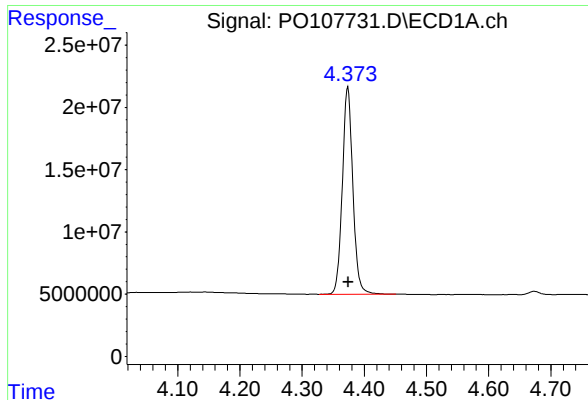
Reviewed By :Yogesh Patel 11/06/2024

Supervised By :Ankita Jodhani 11/07/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:27:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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





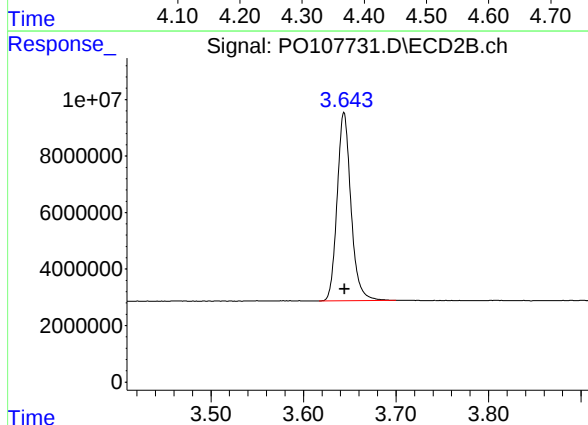
#1 Tetrachloro-m-xylene

R.T.: 4.374 min
Delta R.T.: 0.000 min
Response: 196130859
Conc: 21.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164700BL

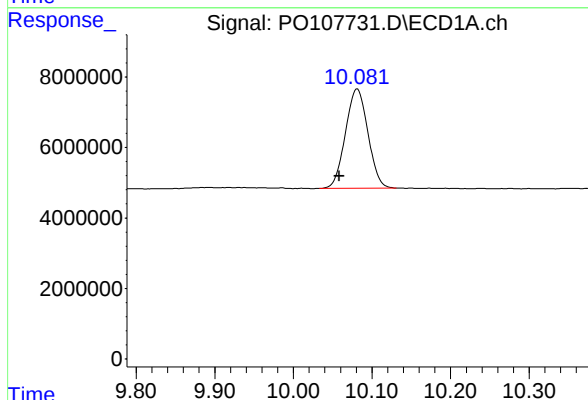
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :Ankita Jodhani 11/07/2024



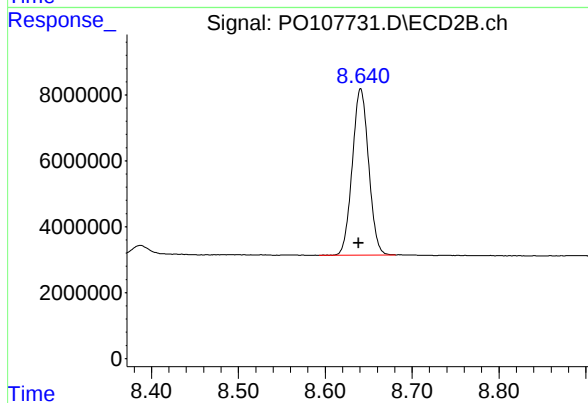
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 69316988
Conc: 21.54 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.081 min
Delta R.T.: 0.022 min
Response: 56085345
Conc: 22.86 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.641 min
Delta R.T.: 0.002 min
Response: 66156116
Conc: 24.13 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110624\
 Data File : PO107746.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 18:15
 Operator : YP/AJ
 Sample : PB164704BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB164704BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 07 00:41:53 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 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...	4.371	3.642	173.1E6	63762629	18.998	19.811
2) SA Decachlor...	10.074	8.638	46582557	50525503	18.987	18.429

Target Compounds

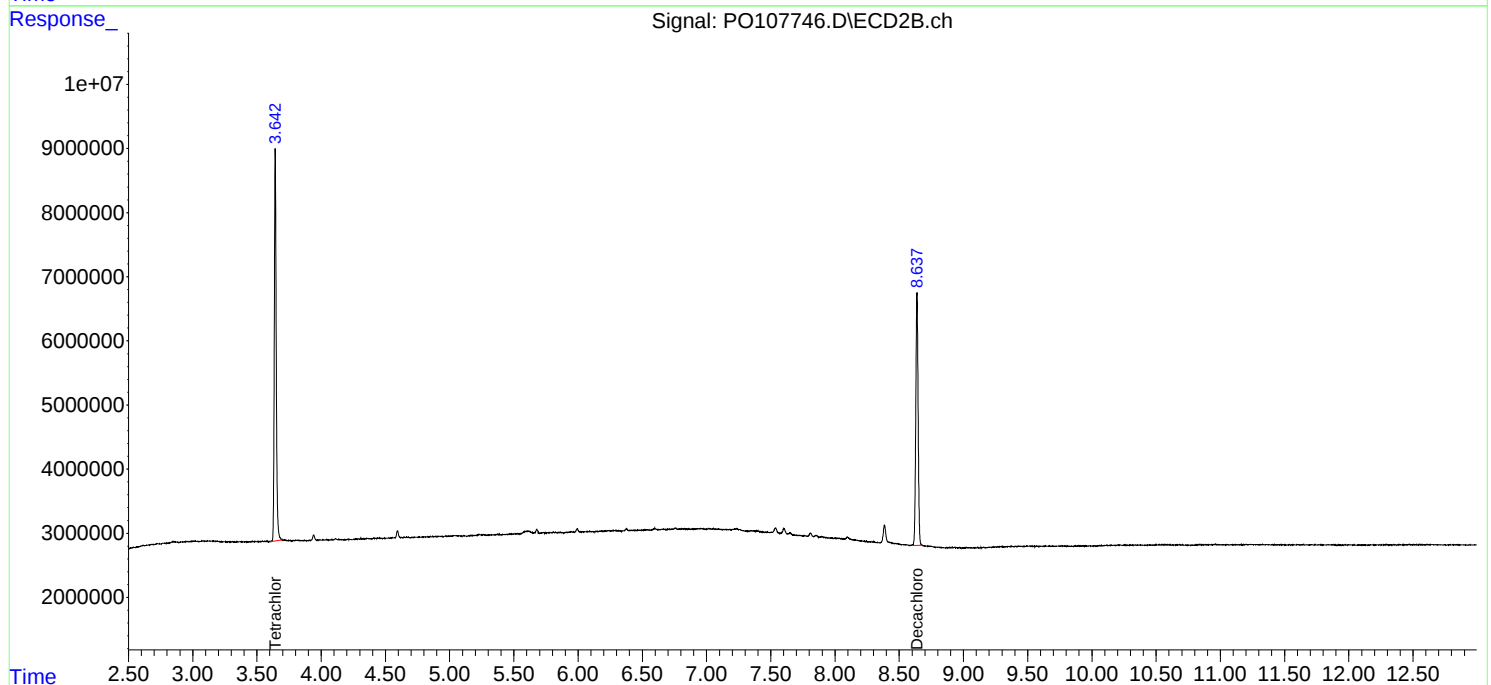
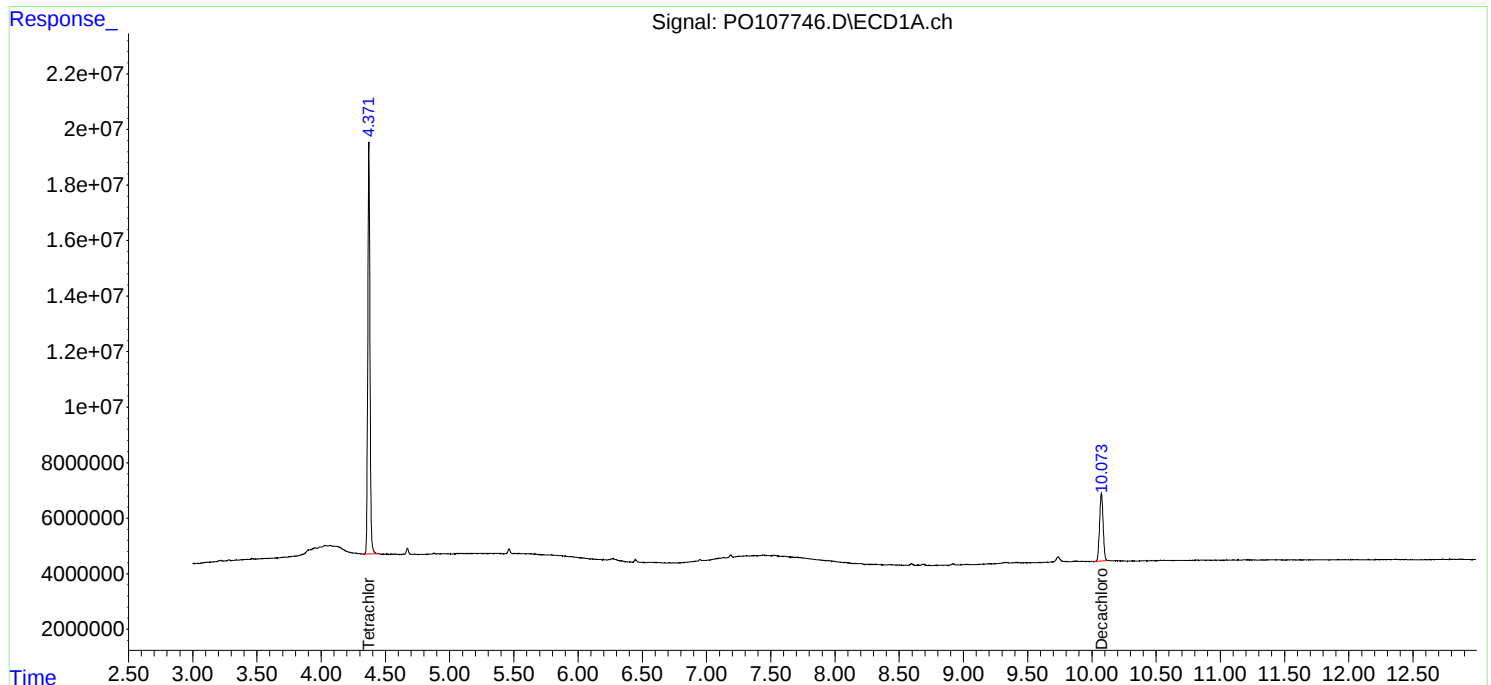
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

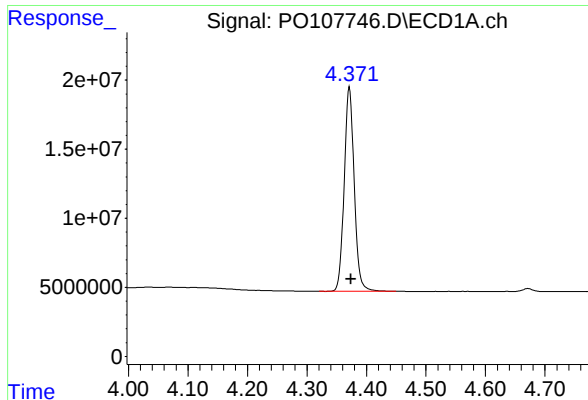
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110624\
Data File : PO107746.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 18:15
Operator : YP/AJ
Sample : PB164704BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB164704BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 00:41:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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

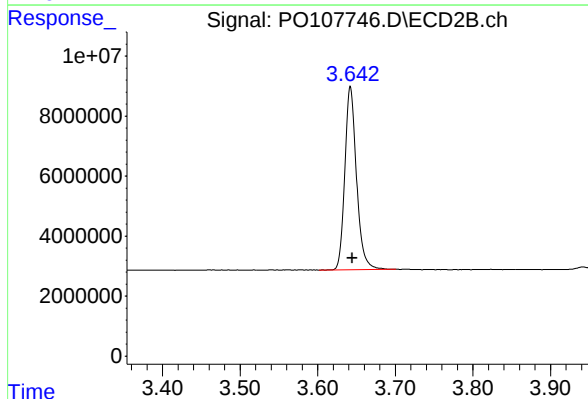




#1 Tetrachloro-m-xylene

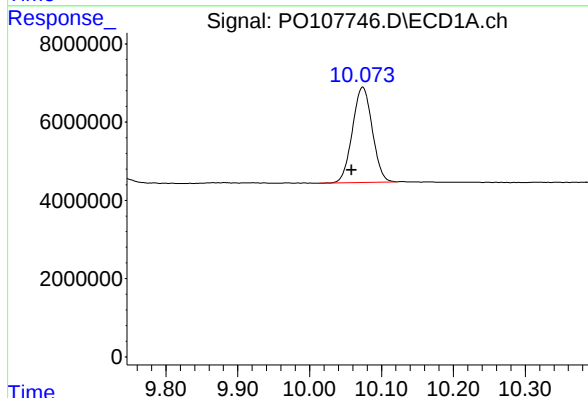
R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 173141855
Conc: 19.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164704BL



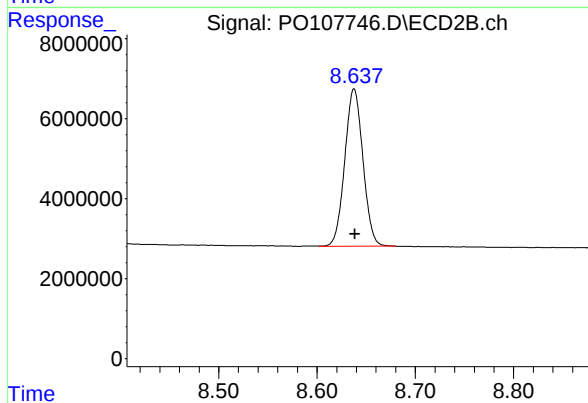
#1 Tetrachloro-m-xylene

R.T.: 3.642 min
Delta R.T.: -0.002 min
Response: 63762629
Conc: 19.81 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.074 min
Delta R.T.: 0.016 min
Response: 46582557
Conc: 18.99 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 50525503
Conc: 18.43 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110624\
 Data File : PO107732.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 13:26
 Operator : YP/AJ
 Sample : PB164700BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB164700BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 06 14:28:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 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...	4.373	3.644	196.5E6	65305545	21.561	20.291
2) SA Decachlor...	10.078	8.640	55115919	64406717	22.465	23.492
Target Compounds						
3) L1 AR-1016-1	5.524	4.724	134.2E6	50310036	497.297	487.190
4) L1 AR-1016-2	5.546	4.743	190.2E6	71097228	479.230	504.351
5) L1 AR-1016-3	5.609	4.919	120.1E6	38063818	478.231	483.377
6) L1 AR-1016-4	5.706	4.960	96535995	29004573	501.194	438.743
7) L1 AR-1016-5	6.001	5.174	89678218	38109669	490.974	463.995
31) L7 AR-1260-1	7.131	6.205	132.8E6	75350909	513.712	485.650
32) L7 AR-1260-2	7.388	6.393	140.6E6	90134523	534.137	511.792
33) L7 AR-1260-3	7.750	6.545	84929464	83746756	472.499	499.241
34) L7 AR-1260-4	7.975	7.016	91447040	62486944	521.054	431.895
35) L7 AR-1260-5	8.290	7.258	136.7E6	152.4E6	480.655	462.561

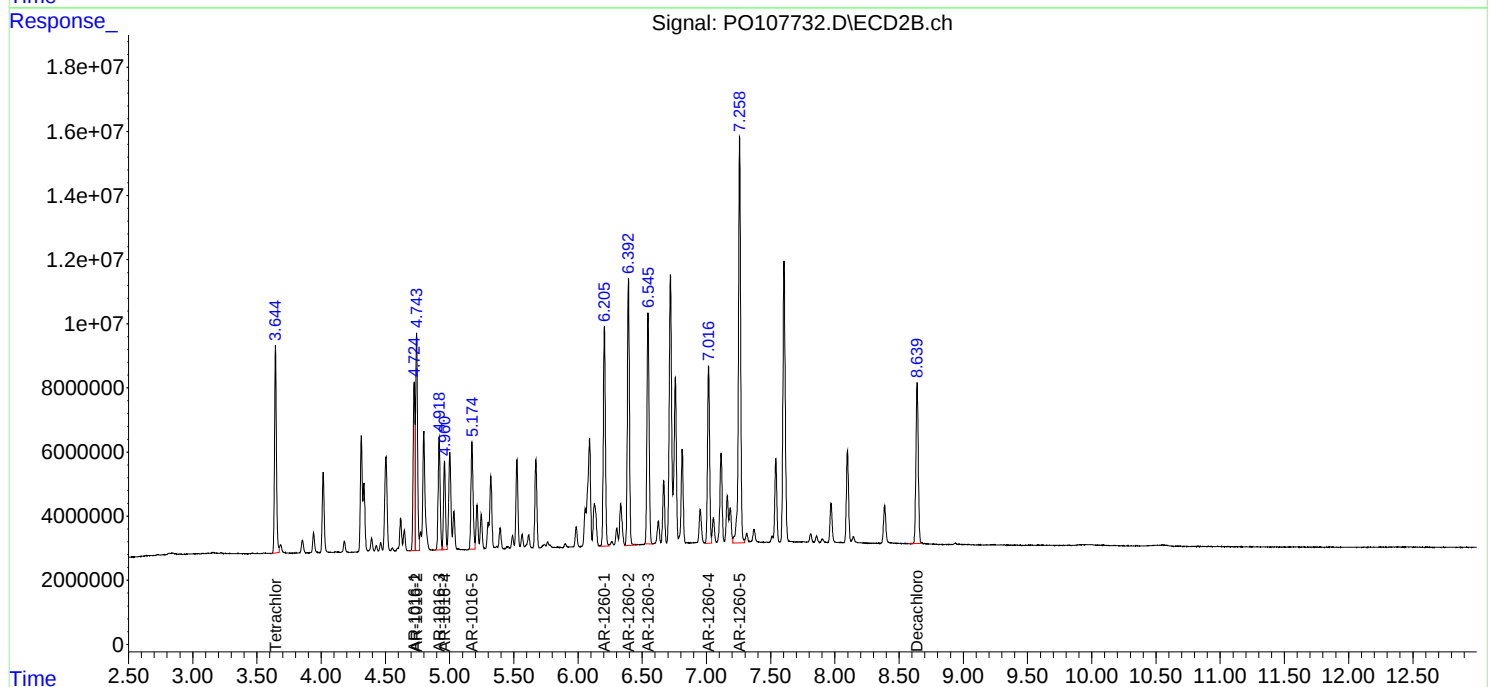
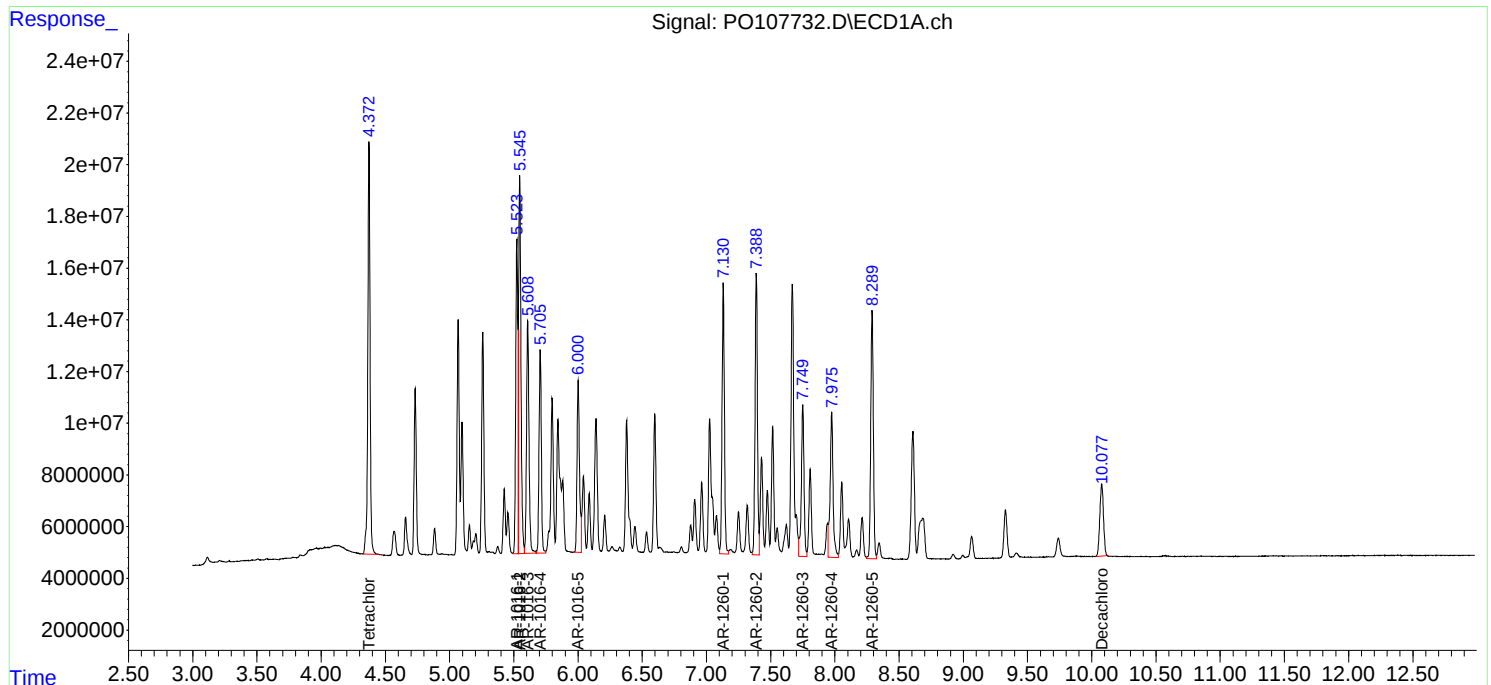
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110624\
Data File : PO107732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 13:26
Operator : YP/AJ
Sample : PB164700BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB164700BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:28:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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_O\Data\PO110624\
 Data File : PO107747.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 18:31
 Operator : YP/AJ
 Sample : PB164704BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

PB164704BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :Ankita Jodhani 11/07/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 07 00:42:29 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 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...	4.371	3.643	170.1E6	60074781	18.660	18.665
2) SA Decachlor...	10.074	8.638	46118064	50619964	18.798	18.464
Target Compounds						
3) L1 AR-1016-1	5.523	4.723	117.1E6	45751939	433.858	443.051
4) L1 AR-1016-2	5.545	4.742	168.5E6	63898497	424.550	453.284
5) L1 AR-1016-3	5.608	4.918	105.1E6	33507344	418.312	425.514
6) L1 AR-1016-4	5.705	4.959	83633165	25486426	434.206	385.525
7) L1 AR-1016-5	6.000	5.173	73111448	33503207	400.274	407.910
31) L7 AR-1260-1	7.129	6.204	104.4E6	68121902	403.836m	439.058
32) L7 AR-1260-2	7.386	6.391	117.9E6	81564327	447.861m	463.129
33) L7 AR-1260-3	7.748	6.545	67578108	75682256	375.966m	451.166
34) L7 AR-1260-4	7.974	7.015	81592652	56379969	464.905m	389.685
35) L7 AR-1260-5	8.289	7.256	111.9E6	136.7E6	393.419	415.085

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110624\
Data File : PO107747.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 18:31
Operator : YP/AJ
Sample : PB164704BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

PB164704BS

Manual Integrations

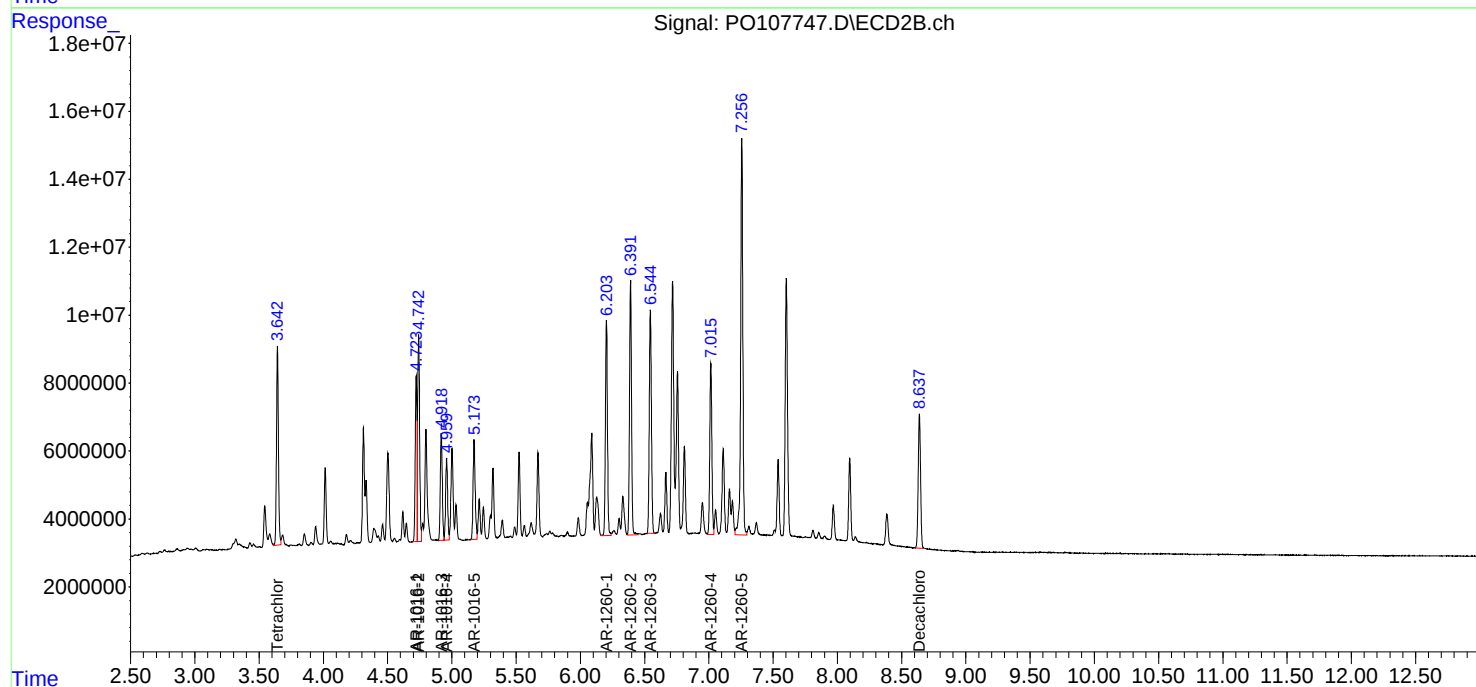
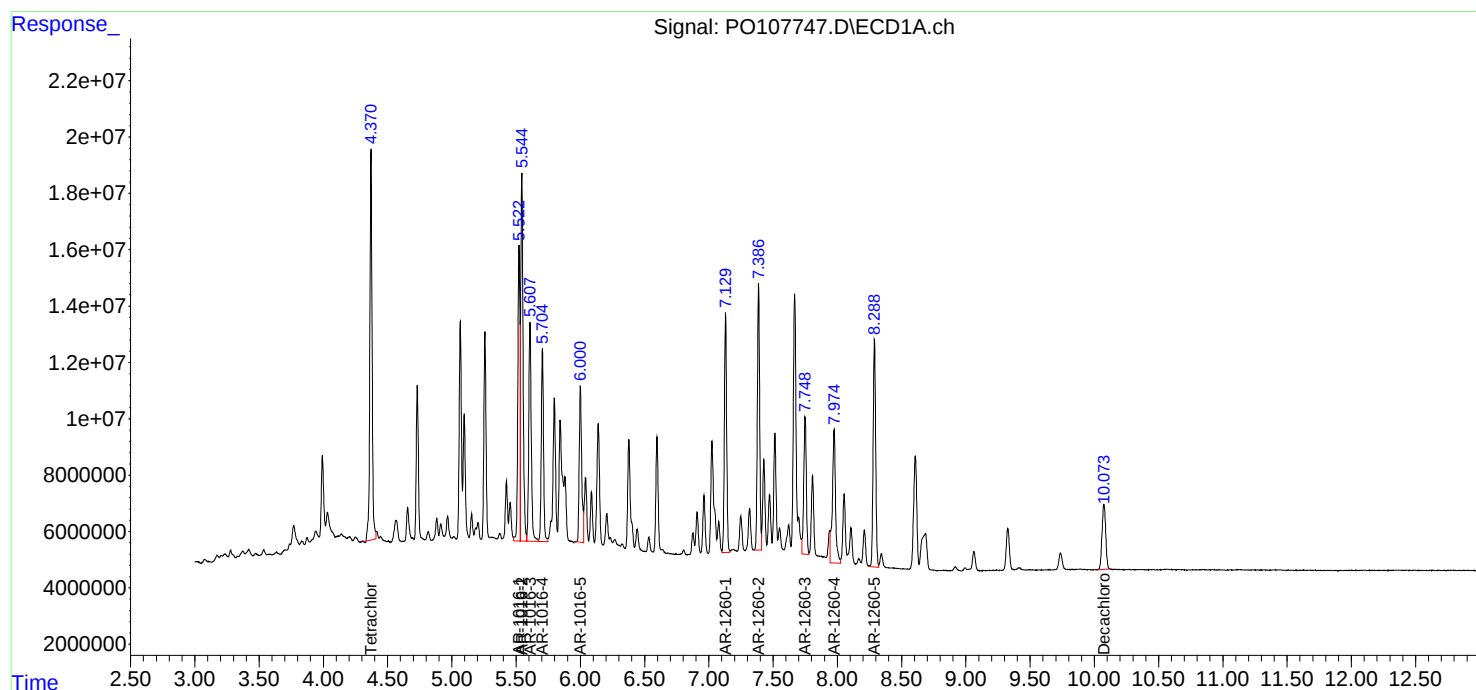
APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :Ankita Jodhani 11/07/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 00:42:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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_O\Data\PO110624\
 Data File : PO107748.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 18:47
 Operator : YP/AJ
 Sample : PB164704BSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

PB164704BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :Ankita Jodhani 11/07/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 07 00:43:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 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...	4.371	3.643	179.1E6	62155249	19.655	19.312
2) SA Decachlor...	10.076	8.638	47831458	52987232	19.496	19.327
Target Compounds						
3) L1 AR-1016-1	5.522	4.723	121.4E6	47636084	449.929	461.296
4) L1 AR-1016-2	5.545	4.742	174.1E6	66300185	438.696	470.322
5) L1 AR-1016-3	5.607	4.918	110.4E6	35609026	439.374	452.203
6) L1 AR-1016-4	5.705	4.960	87239370	27111910	452.928	410.113
7) L1 AR-1016-5	6.000	5.173	78851351	35566527	431.699	433.031
31) L7 AR-1260-1	7.129	6.204	106.0E6	70303008	409.806m	453.116
32) L7 AR-1260-2	7.386	6.391	122.6E6	84508840	465.917m	479.849
33) L7 AR-1260-3	7.749	6.544	71743188	78482348	399.138m	467.858
34) L7 AR-1260-4	7.974	7.015	76227838	58763052	434.337m	406.157
35) L7 AR-1260-5	8.289	7.257	116.9E6	142.4E6	411.157	432.180

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110624\
Data File : PO107748.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 18:47
Operator : YP/AJ
Sample : PB164704BSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

PB164704BSD

Manual Integrations

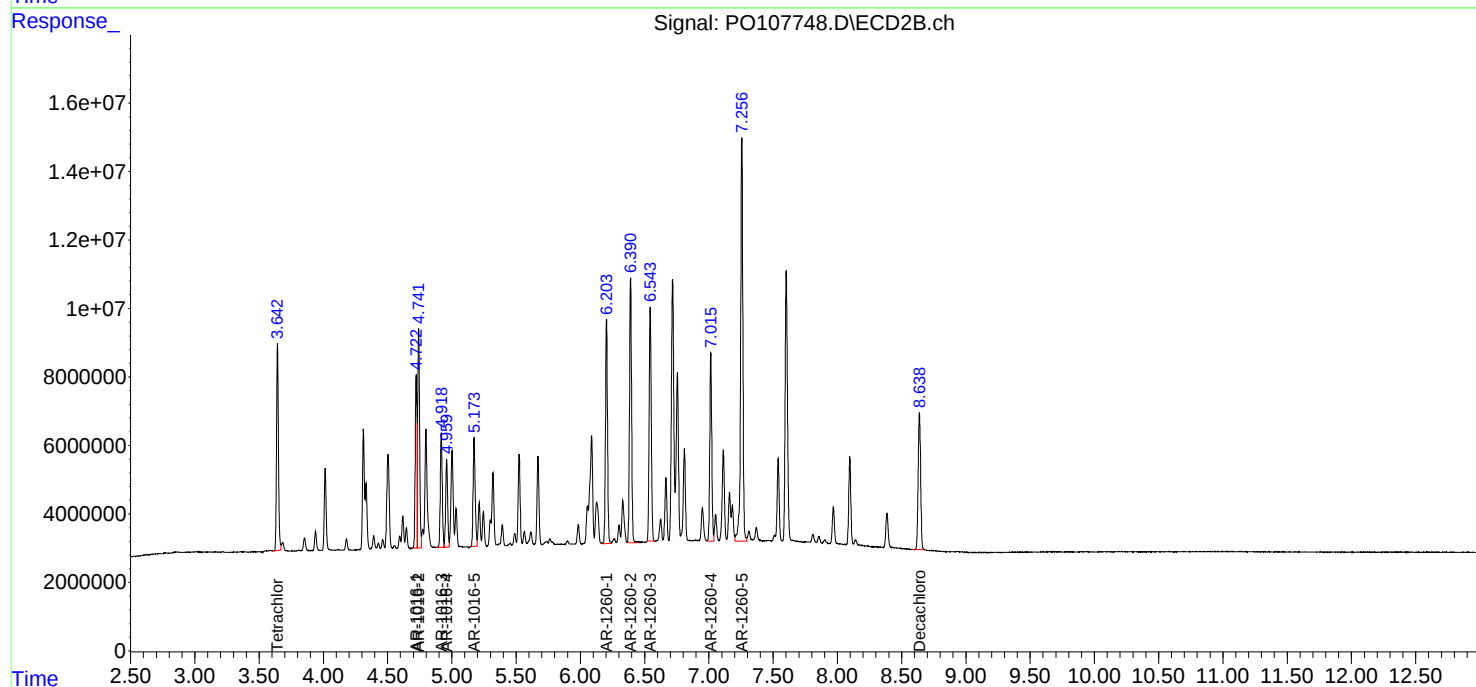
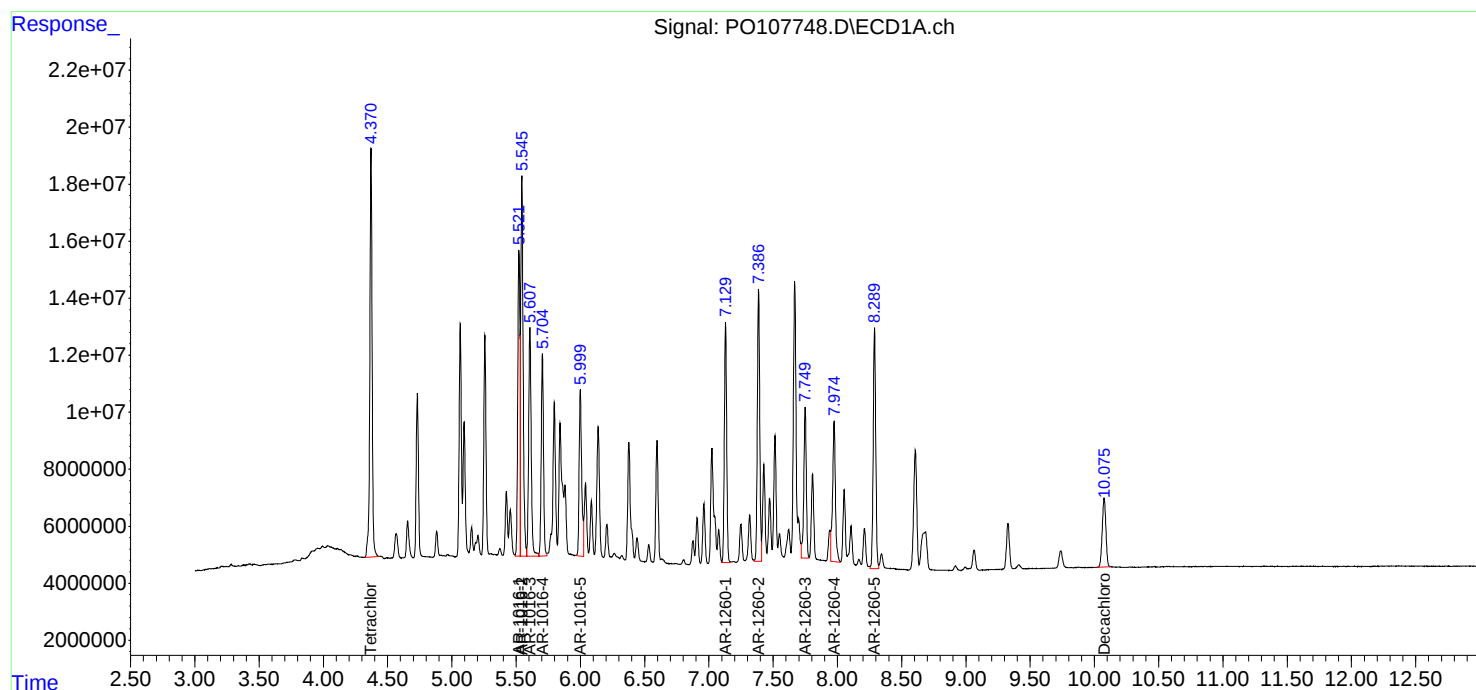
APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :Ankita Jodhani 11/07/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 00:43:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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_O\Data\PO110624\
 Data File : PO107736.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 14:30
 Operator : YP/AJ
 Sample : P4706-01MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

TR-04-110424MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :Ankita Jodhani 11/07/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 07 00:34:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 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...	4.371	3.643	147.1E6	53355016	16.142m	16.578
2) SA Decachlor...	10.076	8.639	43865714	40338913	17.880	14.714

Target Compounds						
3) L1 AR-1016-1	5.523	4.723	110.0E6	43462795	407.788	420.883
4) L1 AR-1016-2	5.546	4.742	147.9E6	60169490	372.701	426.832
5) L1 AR-1016-3	5.608	4.918	95926694	31857064	381.920	404.557
6) L1 AR-1016-4	5.705	4.960	80053309	24592553	415.620	372.004
7) L1 AR-1016-5	5.999	5.172	67336051	30918011	368.654m	376.434
31) L7 AR-1260-1	7.130	6.204	100.6E6	55815921	389.170	359.744
32) L7 AR-1260-2	7.387	6.391	114.3E6	67433200	434.201	382.892
33) L7 AR-1260-3	7.749	6.544	61922678	60504417	344.503	360.686
34) L7 AR-1260-4	7.973	7.016	73926864	42919423	421.226m	296.649 #
35) L7 AR-1260-5	8.288	7.257	114.9E6	104.6E6	404.057	317.603

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110624\
Data File : PO107736.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 14:30
Operator : YP/AJ
Sample : P4706-01MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

TR-04-110424MS

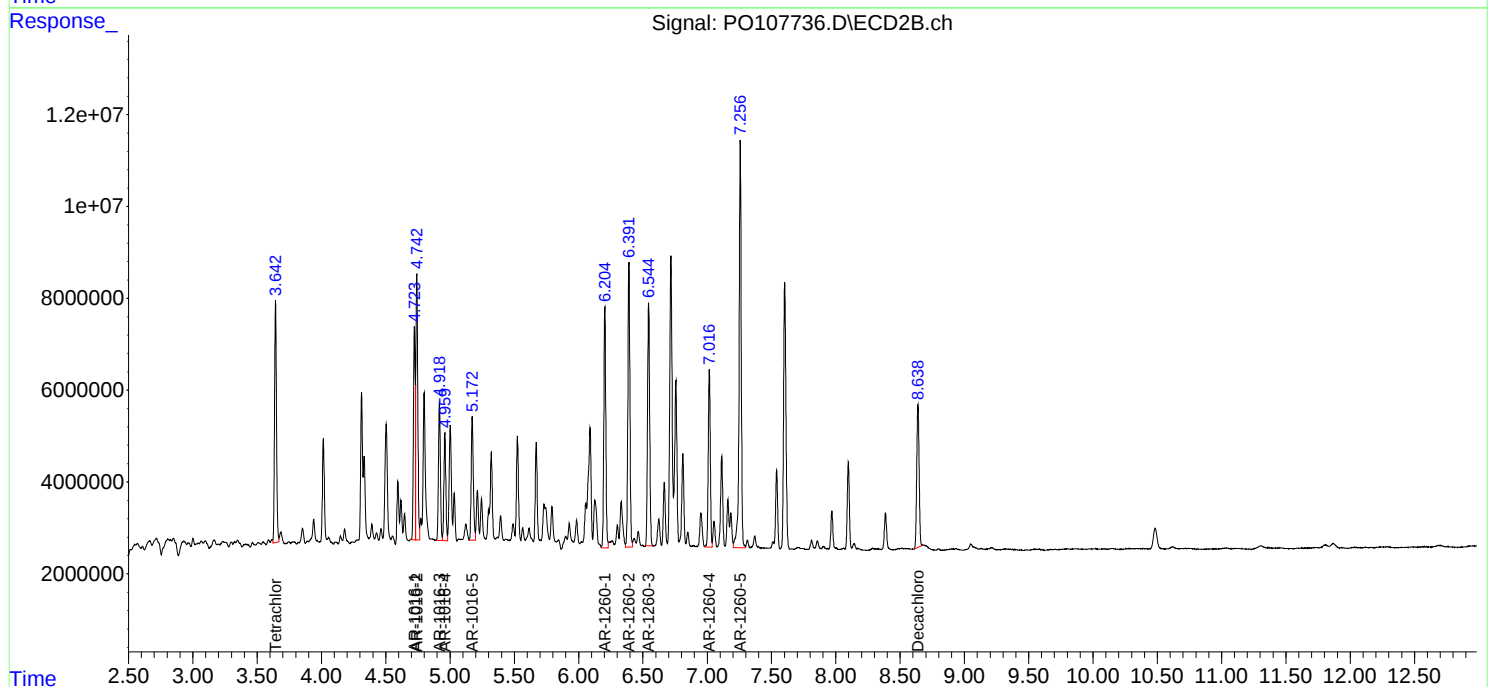
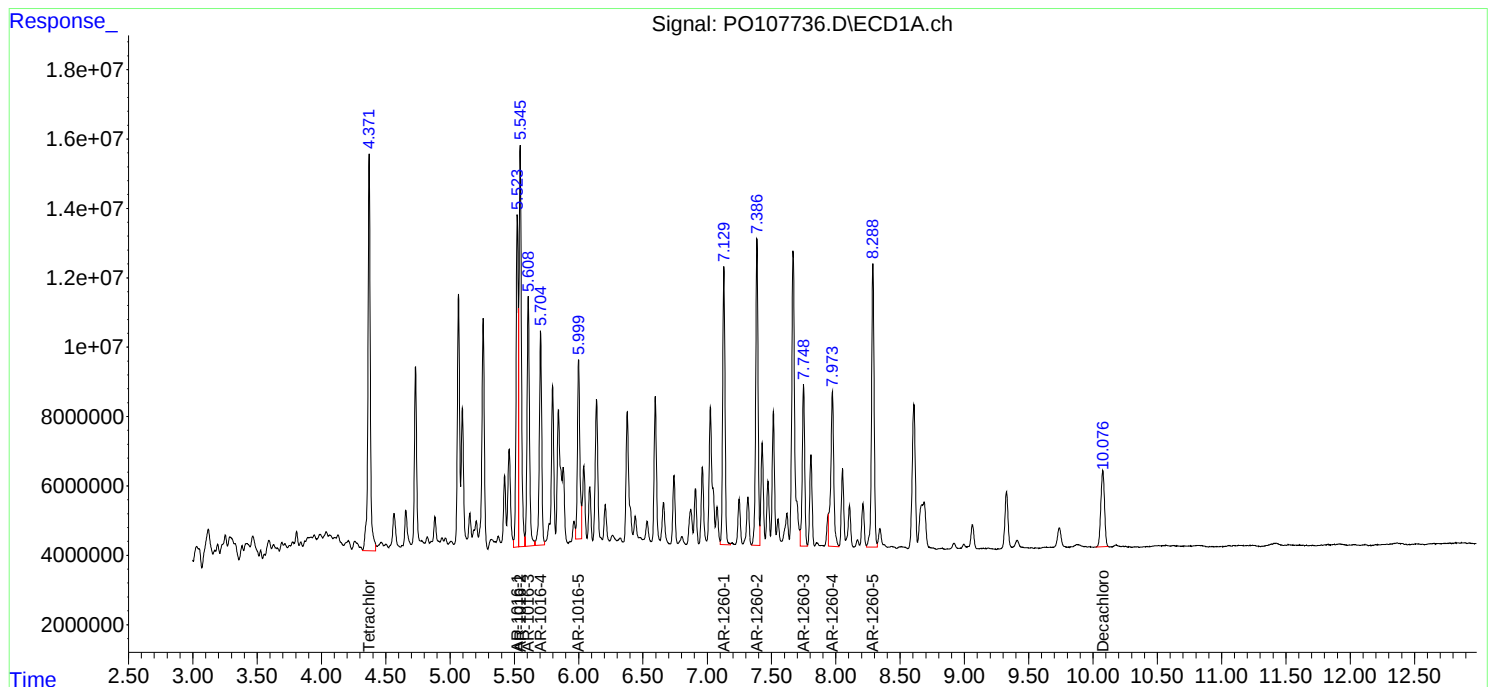
Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 00:34:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110624\
 Data File : PO107737.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 14:46
 Operator : YP/AJ
 Sample : P4706-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

TR-04-110424MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :Ankita Jodhani 11/07/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 07 00:35:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 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...	4.371	3.643	140.5E6	52758307	15.411m	16.392
2) SA Decachlor...	10.076	8.639	42103541	37929995	17.161	13.835
Target Compounds						
3) L1 AR-1016-1	5.523	4.724	103.1E6	42420485	382.230	410.790
4) L1 AR-1016-2	5.545	4.743	140.4E6	58840351	353.867	417.403
5) L1 AR-1016-3	5.608	4.919	90547433	31220967	360.503	396.479
6) L1 AR-1016-4	5.705	4.960	75146983	24000225	390.147	363.044
7) L1 AR-1016-5	6.000	5.173	64995622	30315402	355.841m	369.098
31) L7 AR-1260-1	7.130	6.204	95080857	53484580	367.692	344.718
32) L7 AR-1260-2	7.387	6.391	107.9E6	64487662	409.936	366.167
33) L7 AR-1260-3	7.749	6.545	60416250	58073864	336.122	346.197
34) L7 AR-1260-4	7.974	7.016	69106702	41118906	393.762	284.204 #
35) L7 AR-1260-5	8.289	7.257	111.3E6	99587138	391.284	302.292

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110624\
Data File : PO107737.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 14:46
Operator : YP/AJ
Sample : P4706-01MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

TR-04-110424MSD

Manual Integrations

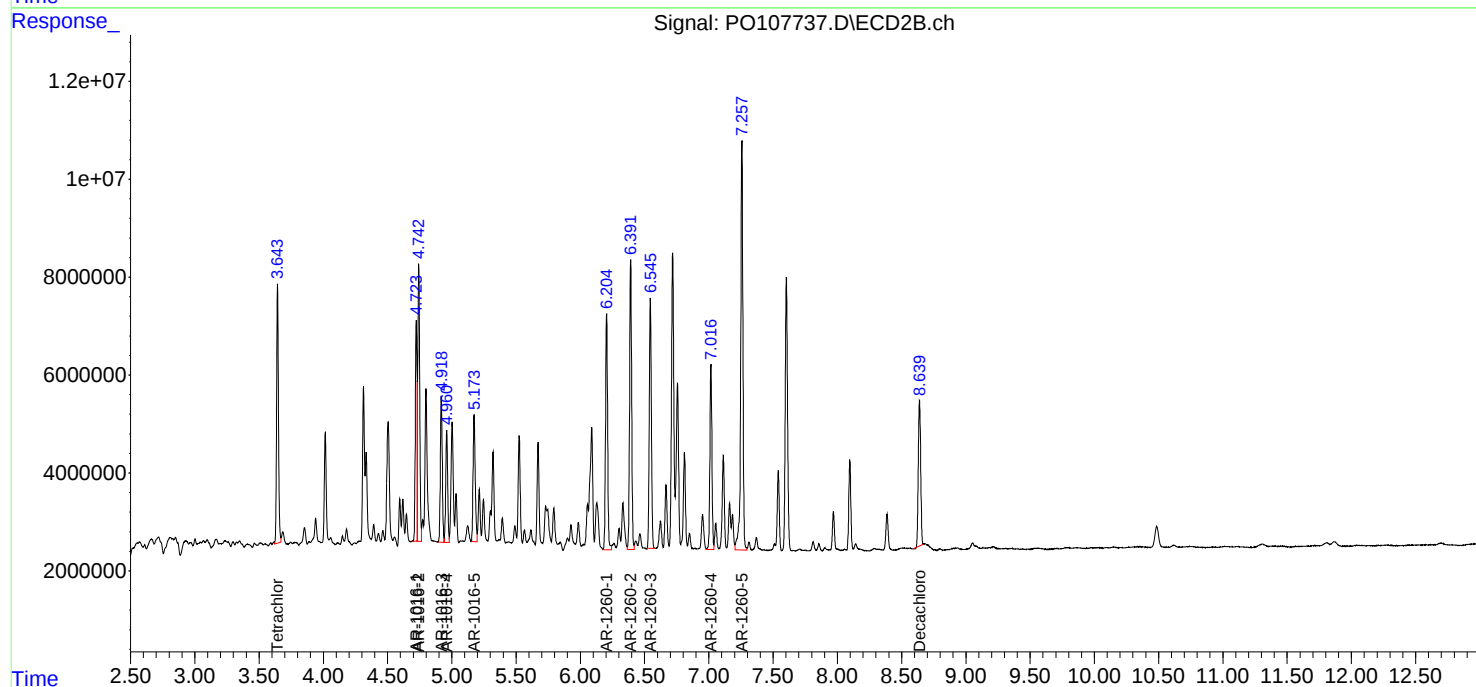
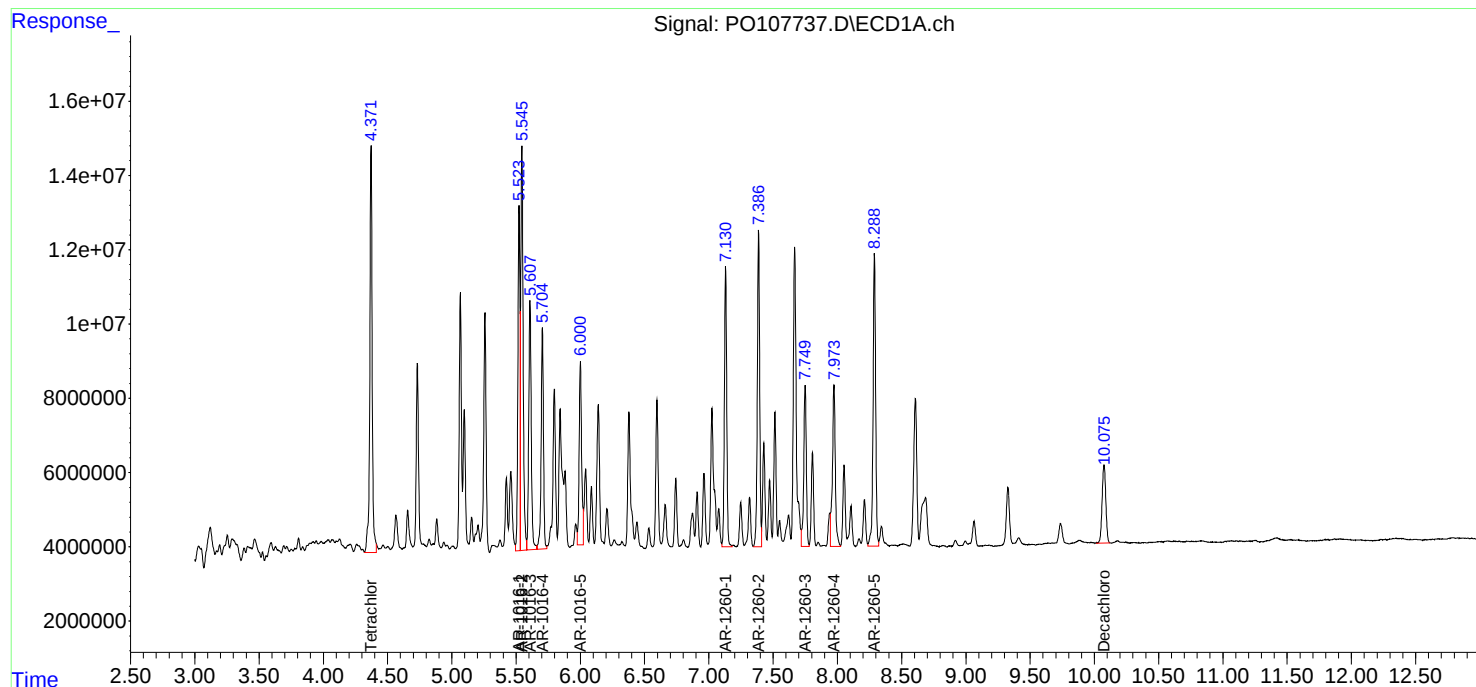
APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :Ankita Jodhani 11/07/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 00:35:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 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



Manual Integration Report

Sequence:	po101524	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO107188.D	AR-1260-1 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-2 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-3	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-3 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-4 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-5	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-5 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	Decachlorobiphenyl #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1268ICC050	PO107211.D	AR-1268-1	yogesh	10/16/2024 8:49:03 AM	Ankita	10/16/2024 9:57:36	Peak Integrated by Software

Manual Integration Report

Sequence:	PO110624	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PO107729.D	AR-1254-2 #2	yogesh	11/6/2024 4:45:16 PM	Ankita	11/7/2024 10:11:05	Peak Integrated by Software
PB164700BL	PO107731.D	Decachlorobiphenyl	yogesh	11/6/2024 4:45:16 PM	Ankita	11/7/2024 10:11:06	Peak Integrated by Software
P4706-01MS	PO107736.D	AR-1016-5	yogesh	11/7/2024 8:50:03 AM	Ankita	11/7/2024 10:11:10	Peak Integrated by Software
P4706-01MS	PO107736.D	AR-1260-4	yogesh	11/7/2024 8:50:03 AM	Ankita	11/7/2024 10:11:10	Peak Integrated by Software
P4706-01MS	PO107736.D	Tetrachloro-m-xylene	yogesh	11/7/2024 8:50:03 AM	Ankita	11/7/2024 10:11:10	Peak Integrated by Software
P4706-01MSD	PO107737.D	AR-1016-5	yogesh	11/7/2024 8:50:05 AM	Ankita	11/7/2024 10:11:12	Peak Integrated by Software
P4706-01MSD	PO107737.D	Tetrachloro-m-xylene	yogesh	11/7/2024 8:50:05 AM	Ankita	11/7/2024 10:11:12	Peak Integrated by Software
AR1254CCC500	PO107744.D	AR-1254-2 #2	yogesh	11/7/2024 8:50:08 AM	Ankita	11/7/2024 10:11:15	Peak Integrated by Software
PB164704BS	PO107747.D	AR-1260-1	yogesh	11/7/2024 8:50:09 AM	Ankita	11/7/2024 10:11:17	Peak Integrated by Software
PB164704BS	PO107747.D	AR-1260-2	yogesh	11/7/2024 8:50:09 AM	Ankita	11/7/2024 10:11:17	Peak Integrated by Software
PB164704BS	PO107747.D	AR-1260-3	yogesh	11/7/2024 8:50:09 AM	Ankita	11/7/2024 10:11:17	Peak Integrated by Software
PB164704BS	PO107747.D	AR-1260-4	yogesh	11/7/2024 8:50:09 AM	Ankita	11/7/2024 10:11:17	Peak Integrated by Software
PB164704BSD	PO107748.D	AR-1260-1	yogesh	11/7/2024 8:50:11 AM	Ankita	11/7/2024 10:11:19	Peak Integrated by Software

Manual Integration Report

Sequence:	PO110624	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB164704BSD	PO107748.D	AR-1260-2	yogesh	11/7/2024 8:50:11 AM	Ankita	11/7/2024 10:11:19	Peak Integrated by Software
PB164704BSD	PO107748.D	AR-1260-3	yogesh	11/7/2024 8:50:11 AM	Ankita	11/7/2024 10:11:19	Peak Integrated by Software
PB164704BSD	PO107748.D	AR-1260-4	yogesh	11/7/2024 8:50:11 AM	Ankita	11/7/2024 10:11:19	Peak Integrated by Software
AR1248CCC500	PO107758.D	AR-1248-5 #2	yogesh	11/7/2024 8:50:18 AM	Ankita	11/7/2024 10:11:29	Peak Integrated by Software
AR1254CCC500	PO107759.D	AR-1254-2 #2	yogesh	11/7/2024 8:50:19 AM	Ankita	11/7/2024 10:11:30	Peak Integrated by Software
AR1248CCC500	PO107765.D	Decachlorobiphenyl	yogesh	11/7/2024 8:50:23 AM	Ankita	11/7/2024 10:12:28	Peak Integrated by Software
AR1254CCC500	PO107766.D	AR-1254-2 #2	yogesh	11/7/2024 8:50:24 AM	Ankita	11/7/2024 10:12:29	Peak Integrated by Software

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524
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	PO107180.D	15 Oct 2024 13:05	YP/AJ	Ok
2	AR1660CCC500	PO107181.D	15 Oct 2024 13:23	YP/AJ	Not Ok
3	HEXANE	PO107182.D	15 Oct 2024 17:50	YP/AJ	Ok
4	I.BLK	PO107183.D	15 Oct 2024 18:08	YP/AJ	Ok
5	AR1660ICC1000	PO107184.D	15 Oct 2024 18:27	YP/AJ	Ok
6	AR1660ICC750	PO107185.D	15 Oct 2024 18:45	YP/AJ	Ok
7	AR1660ICC500	PO107186.D	15 Oct 2024 19:03	YP/AJ	Ok
8	AR1660ICC250	PO107187.D	15 Oct 2024 19:21	YP/AJ	Ok
9	AR1660ICC050	PO107188.D	15 Oct 2024 19:39	YP/AJ	Ok,M
10	AR1221ICC500	PO107189.D	15 Oct 2024 19:57	YP/AJ	Ok
11	AR1232ICC500	PO107190.D	15 Oct 2024 20:15	YP/AJ	Ok
12	AR1242ICC1000	PO107191.D	15 Oct 2024 20:34	YP/AJ	Ok
13	AR1242ICC750	PO107192.D	15 Oct 2024 20:52	YP/AJ	Ok
14	AR1242ICC500	PO107193.D	15 Oct 2024 21:10	YP/AJ	Ok
15	AR1242ICC250	PO107194.D	15 Oct 2024 21:28	YP/AJ	Ok
16	AR1242ICC050	PO107195.D	15 Oct 2024 21:46	YP/AJ	Ok
17	AR1248ICC1000	PO107196.D	15 Oct 2024 22:04	YP/AJ	Ok
18	AR1248ICC750	PO107197.D	15 Oct 2024 22:22	YP/AJ	Ok
19	AR1248ICC500	PO107198.D	15 Oct 2024 22:41	YP/AJ	Ok
20	AR1248ICC250	PO107199.D	15 Oct 2024 22:59	YP/AJ	Ok
21	AR1248ICC050	PO107200.D	15 Oct 2024 23:17	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524
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	AR1254ICC1000	PO107201.D	15 Oct 2024 23:35	YP/AJ	Ok
23	AR1254ICC750	PO107202.D	15 Oct 2024 23:53	YP/AJ	Ok
24	AR1254ICC500	PO107203.D	16 Oct 2024 00:11	YP/AJ	Ok
25	AR1254ICC250	PO107204.D	16 Oct 2024 00:29	YP/AJ	Ok
26	AR1254ICC050	PO107205.D	16 Oct 2024 00:47	YP/AJ	Ok
27	AR1262ICC500	PO107206.D	16 Oct 2024 01:05	YP/AJ	Ok
28	AR1268ICC1000	PO107207.D	16 Oct 2024 01:23	YP/AJ	Ok
29	AR1268ICC750	PO107208.D	16 Oct 2024 01:41	YP/AJ	Ok
30	AR1268ICC500	PO107209.D	16 Oct 2024 01:59	YP/AJ	Ok
31	AR1268ICC250	PO107210.D	16 Oct 2024 02:18	YP/AJ	Ok
32	AR1268ICC050	PO107211.D	16 Oct 2024 02:36	YP/AJ	Ok,M
33	PO101524ICV500	PO107212.D	16 Oct 2024 02:54	YP/AJ	Ok
34	AR1242ICV500	PO107213.D	16 Oct 2024 03:12	YP/AJ	Ok
35	AR1248ICV500	PO107214.D	16 Oct 2024 03:30	YP/AJ	Ok
36	AR1254ICV500	PO107215.D	16 Oct 2024 03:48	YP/AJ	Ok
37	AR1268ICV500	PO107216.D	16 Oct 2024 04:06	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO110624

Review By	yogesh	Review On	11/7/2024 8:50:43 AM
Supervise By	Ankita	Supervise On	11/7/2024 10:12:36 AM
SubDirectory	PO110624	HP Acquire Method	HP Processing Method PO101524
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	PO107725.D	06 Nov 2024 09:13	YP/AJ	Ok
2	AR1660CCC500	PO107726.D	06 Nov 2024 09:29	YP/AJ	Ok
3	AR1242CCC500	PO107727.D	06 Nov 2024 09:45	YP/AJ	Ok
4	AR1248CCC500	PO107728.D	06 Nov 2024 10:01	YP/AJ	Ok
5	AR1254CCC500	PO107729.D	06 Nov 2024 10:17	YP/AJ	Ok,M
6	I.BLK	PO107730.D	06 Nov 2024 10:33	YP/AJ	Ok
7	PB164700BL	PO107731.D	06 Nov 2024 13:10	YP/AJ	Ok,M
8	PB164700BS	PO107732.D	06 Nov 2024 13:26	YP/AJ	Ok
9	P4709-01	PO107733.D	06 Nov 2024 13:42	YP/AJ	Ok
10	P4709-03	PO107734.D	06 Nov 2024 13:58	YP/AJ	Ok
11	P4706-01	PO107735.D	06 Nov 2024 14:14	YP/AJ	Ok,M
12	P4706-01MS	PO107736.D	06 Nov 2024 14:30	YP/AJ	Ok,M
13	P4706-01MSD	PO107737.D	06 Nov 2024 14:46	YP/AJ	Ok,M
14	P4707-01	PO107738.D	06 Nov 2024 15:03	YP/AJ	Ok
15	P4708-01	PO107739.D	06 Nov 2024 15:19	YP/AJ	Ok,M
16	P4718-01	PO107740.D	06 Nov 2024 15:35	YP/AJ	Ok
17	AR1660CCC500	PO107741.D	06 Nov 2024 16:54	YP/AJ	Ok
18	AR1242CCC500	PO107742.D	06 Nov 2024 17:10	YP/AJ	Ok
19	AR1248CCC500	PO107743.D	06 Nov 2024 17:26	YP/AJ	Ok
20	AR1254CCC500	PO107744.D	06 Nov 2024 17:43	YP/AJ	Ok,M
21	I.BLK	PO107745.D	06 Nov 2024 17:59	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO110624

Review By	yogesh	Review On	11/7/2024 8:50:43 AM
Supervise By	Ankita	Supervise On	11/7/2024 10:12:36 AM
SubDirectory	PO110624	HP Acquire Method	HP Processing Method PO101524
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	PB164704BL	PO107746.D	06 Nov 2024 18:15	YP/AJ	Ok
23	PB164704BS	PO107747.D	06 Nov 2024 18:31	YP/AJ	Ok,M
24	PB164704BSD	PO107748.D	06 Nov 2024 18:47	YP/AJ	Ok,M
25	P4661-03	PO107749.D	06 Nov 2024 19:03	YP/AJ	Ok,M
26	P4684-03	PO107750.D	06 Nov 2024 19:20	YP/AJ	Ok
27	P4702-01	PO107751.D	06 Nov 2024 19:36	YP/AJ	Ok
28	P4704-01	PO107752.D	06 Nov 2024 19:52	YP/AJ	Dilution
29	P4704-02	PO107753.D	06 Nov 2024 20:08	YP/AJ	Ok,M
30	P4704-03	PO107754.D	06 Nov 2024 20:24	YP/AJ	Ok
31	P4718-04	PO107755.D	06 Nov 2024 20:41	YP/AJ	Ok
32	AR1660CCC500	PO107756.D	06 Nov 2024 21:42	YP/AJ	Ok
33	AR1242CCC500	PO107757.D	06 Nov 2024 21:58	YP/AJ	Ok
34	AR1248CCC500	PO107758.D	06 Nov 2024 22:14	YP/AJ	Ok,M
35	AR1254CCC500	PO107759.D	06 Nov 2024 22:30	YP/AJ	Ok,M
36	I.BLK	PO107760.D	06 Nov 2024 22:46	YP/AJ	Ok
37	P4718-02	PO107761.D	06 Nov 2024 23:02	YP/AJ	Ok
38	P4719-01	PO107762.D	06 Nov 2024 23:19	YP/AJ	Ok,M
39	AR1660CCC500	PO107763.D	07 Nov 2024 00:20	YP/AJ	Ok
40	AR1242CCC500	PO107764.D	07 Nov 2024 00:36	YP/AJ	Ok
41	AR1248CCC500	PO107765.D	07 Nov 2024 00:53	YP/AJ	Ok,M
42	AR1254CCC500	PO107766.D	07 Nov 2024 01:09	YP/AJ	Ok,M
43	I.BLK	PO107767.D	07 Nov 2024 01:25	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524

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	PO107180.D	15 Oct 2024 13:05		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO107181.D	15 Oct 2024 13:23	need ICAL	YP/AJ	Not Ok
3	HEXANE	HEXANE	PO107182.D	15 Oct 2024 17:50		YP/AJ	Ok
4	I.BLK	I.BLK	PO107183.D	15 Oct 2024 18:08		YP/AJ	Ok
5	AR1660ICC1000	AR1660ICC1000	PO107184.D	15 Oct 2024 18:27		YP/AJ	Ok
6	AR1660ICC750	AR1660ICC750	PO107185.D	15 Oct 2024 18:45		YP/AJ	Ok
7	AR1660ICC500	AR1660ICC500	PO107186.D	15 Oct 2024 19:03		YP/AJ	Ok
8	AR1660ICC250	AR1660ICC250	PO107187.D	15 Oct 2024 19:21		YP/AJ	Ok
9	AR1660ICC050	AR1660ICC050	PO107188.D	15 Oct 2024 19:39		YP/AJ	Ok,M
10	AR1221ICC500	AR1221ICC500	PO107189.D	15 Oct 2024 19:57		YP/AJ	Ok
11	AR1232ICC500	AR1232ICC500	PO107190.D	15 Oct 2024 20:15		YP/AJ	Ok
12	AR1242ICC1000	AR1242ICC1000	PO107191.D	15 Oct 2024 20:34		YP/AJ	Ok
13	AR1242ICC750	AR1242ICC750	PO107192.D	15 Oct 2024 20:52		YP/AJ	Ok
14	AR1242ICC500	AR1242ICC500	PO107193.D	15 Oct 2024 21:10		YP/AJ	Ok
15	AR1242ICC250	AR1242ICC250	PO107194.D	15 Oct 2024 21:28		YP/AJ	Ok
16	AR1242ICC050	AR1242ICC050	PO107195.D	15 Oct 2024 21:46		YP/AJ	Ok
17	AR1248ICC1000	AR1248ICC1000	PO107196.D	15 Oct 2024 22:04		YP/AJ	Ok
18	AR1248ICC750	AR1248ICC750	PO107197.D	15 Oct 2024 22:22		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524
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,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248ICC500	AR1248ICC500	PO107198.D	15 Oct 2024 22:41		YP/AJ	Ok
20	AR1248ICC250	AR1248ICC250	PO107199.D	15 Oct 2024 22:59		YP/AJ	Ok
21	AR1248ICC050	AR1248ICC050	PO107200.D	15 Oct 2024 23:17		YP/AJ	Ok
22	AR1254ICC1000	AR1254ICC1000	PO107201.D	15 Oct 2024 23:35		YP/AJ	Ok
23	AR1254ICC750	AR1254ICC750	PO107202.D	15 Oct 2024 23:53		YP/AJ	Ok
24	AR1254ICC500	AR1254ICC500	PO107203.D	16 Oct 2024 00:11		YP/AJ	Ok
25	AR1254ICC250	AR1254ICC250	PO107204.D	16 Oct 2024 00:29		YP/AJ	Ok
26	AR1254ICC050	AR1254ICC050	PO107205.D	16 Oct 2024 00:47		YP/AJ	Ok
27	AR1262ICC500	AR1262ICC500	PO107206.D	16 Oct 2024 01:05		YP/AJ	Ok
28	AR1268ICC1000	AR1268ICC1000	PO107207.D	16 Oct 2024 01:23		YP/AJ	Ok
29	AR1268ICC750	AR1268ICC750	PO107208.D	16 Oct 2024 01:41		YP/AJ	Ok
30	AR1268ICC500	AR1268ICC500	PO107209.D	16 Oct 2024 01:59		YP/AJ	Ok
31	AR1268ICC250	AR1268ICC250	PO107210.D	16 Oct 2024 02:18		YP/AJ	Ok
32	AR1268ICC050	AR1268ICC050	PO107211.D	16 Oct 2024 02:36		YP/AJ	Ok,M
33	PO101524ICV500	ICVPO101524	PO107212.D	16 Oct 2024 02:54		YP/AJ	Ok
34	AR1242ICV500	ICVPO101524AR1242	PO107213.D	16 Oct 2024 03:12		YP/AJ	Ok
35	AR1248ICV500	ICVPO101524AR1248	PO107214.D	16 Oct 2024 03:30		YP/AJ	Ok
36	AR1254ICV500	ICVPO101524AR1254	PO107215.D	16 Oct 2024 03:48		YP/AJ	Ok
37	AR1268ICV500	ICVPO101524AR1268	PO107216.D	16 Oct 2024 04:06		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524
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,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

M : Manual Integration

A
B
C
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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO110624

Review By	yogesh	Review On	11/7/2024 8:50:43 AM
Supervise By	Ankita	Supervise On	11/7/2024 10:12:36 AM
SubDirectory	PO110624	HP Acquire Method	HP Processing Method PO101524

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#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO107725.D	06 Nov 2024 09:13		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO107726.D	06 Nov 2024 09:29		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO107727.D	06 Nov 2024 09:45		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO107728.D	06 Nov 2024 10:01		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO107729.D	06 Nov 2024 10:17		YP/AJ	Ok,M
6	I.BLK	I.BLK	PO107730.D	06 Nov 2024 10:33		YP/AJ	Ok
7	PB164700BL	PB164700BL	PO107731.D	06 Nov 2024 13:10		YP/AJ	Ok,M
8	PB164700BS	PB164700BS	PO107732.D	06 Nov 2024 13:26		YP/AJ	Ok
9	P4709-01	HR-02-110424	PO107733.D	06 Nov 2024 13:42		YP/AJ	Ok
10	P4709-03	HR-03-110424	PO107734.D	06 Nov 2024 13:58		YP/AJ	Ok
11	P4706-01	TR-04-110424	PO107735.D	06 Nov 2024 14:14		YP/AJ	Ok,M
12	P4706-01MS	TR-04-110424MS	PO107736.D	06 Nov 2024 14:30		YP/AJ	Ok,M
13	P4706-01MSD	TR-04-110424MSD	PO107737.D	06 Nov 2024 14:46		YP/AJ	Ok,M
14	P4707-01	HD-02-110424	PO107738.D	06 Nov 2024 15:03		YP/AJ	Ok
15	P4708-01	OR-02-110424	PO107739.D	06 Nov 2024 15:19		YP/AJ	Ok,M
16	P4718-01	WB-307-SB01	PO107740.D	06 Nov 2024 15:35		YP/AJ	Ok
17	AR1660CCC500	AR1660CCC500	PO107741.D	06 Nov 2024 16:54		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO110624

Review By	yogesh	Review On	11/7/2024 8:50:43 AM				
Supervise By	Ankita	Supervise On	11/7/2024 10:12:36 AM				
SubDirectory	PO110624	HP Acquire Method	HP Processing Method			PO101524	
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					
Initial Calibration Stds							
CCC							
Internal Standard/PEM							
ICV/I.BLK							
Surrogate Standard							
MS/MSD Standard							
LCS Standard							
18	AR1242CCC500	AR1242CCC500	PO107742.D	06 Nov 2024 17:10	AR1242 3 peak low in 1st column	YP/AJ	Ok
19	AR1248CCC500	AR1248CCC500	PO107743.D	06 Nov 2024 17:26		YP/AJ	Ok
20	AR1254CCC500	AR1254CCC500	PO107744.D	06 Nov 2024 17:43		YP/AJ	Ok,M
21	I.BLK	I.BLK	PO107745.D	06 Nov 2024 17:59		YP/AJ	Ok
22	PB164704BL	PB164704BL	PO107746.D	06 Nov 2024 18:15		YP/AJ	Ok
23	PB164704BS	PB164704BS	PO107747.D	06 Nov 2024 18:31		YP/AJ	Ok,M
24	PB164704BSD	PB164704BSD	PO107748.D	06 Nov 2024 18:47		YP/AJ	Ok,M
25	P4661-03	102324-A	PO107749.D	06 Nov 2024 19:03		YP/AJ	Ok,M
26	P4684-03	MECHANIC-ST-OIL-W	PO107750.D	06 Nov 2024 19:20		YP/AJ	Ok
27	P4702-01	TOTE-1	PO107751.D	06 Nov 2024 19:36		YP/AJ	Ok
28	P4704-01	NWB-2111	PO107752.D	06 Nov 2024 19:52	AR1242 Hit, Need 10x Dilution	YP/AJ	Dilution
29	P4704-02	NWB-2056	PO107753.D	06 Nov 2024 20:08		YP/AJ	Ok,M
30	P4704-03	NWB-2108	PO107754.D	06 Nov 2024 20:24		YP/AJ	Ok
31	P4718-04	WB-307-SW	PO107755.D	06 Nov 2024 20:41		YP/AJ	Ok
32	AR1660CCC500	AR1660CCC500	PO107756.D	06 Nov 2024 21:42		YP/AJ	Ok
33	AR1242CCC500	AR1242CCC500	PO107757.D	06 Nov 2024 21:58		YP/AJ	Ok
34	AR1248CCC500	AR1248CCC500	PO107758.D	06 Nov 2024 22:14		YP/AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PO107759.D	06 Nov 2024 22:30		YP/AJ	Ok,M
36	I.BLK	I.BLK	PO107760.D	06 Nov 2024 22:46		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO110624

Review By	yogesh	Review On	11/7/2024 8:50:43 AM
Supervise By	Ankita	Supervise On	11/7/2024 10:12:36 AM
SubDirectory	PO110624	HP Acquire Method	HP Processing Method PO101524
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		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			
	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		

37	P4718-02	WB-307-SB02	PO107761.D	06 Nov 2024 23:02		YP/AJ	Ok
38	P4719-01	BAYAVE-STOCKPILE	PO107762.D	06 Nov 2024 23:19	AR1254 Hit	YP/AJ	Ok,M
39	AR1660CCC500	AR1660CCC500	PO107763.D	07 Nov 2024 00:20		YP/AJ	Ok
40	AR1242CCC500	AR1242CCC500	PO107764.D	07 Nov 2024 00:36		YP/AJ	Ok
41	AR1248CCC500	AR1248CCC500	PO107765.D	07 Nov 2024 00:53		YP/AJ	Ok,M
42	AR1254CCC500	AR1254CCC500	PO107766.D	07 Nov 2024 01:09		YP/AJ	Ok,M
43	I.BLK	I.BLK	PO107767.D	07 Nov 2024 01:25		YP/AJ	Ok

M : Manual Integration

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix: Solid

Weigh By: RJ

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 11/06/2024

Extraction Start Time: 09:10

Extraction End Date: 11/06/2024

Extraction End Time: 12:10

Concentration By: RS

Supervisor By: rajesh

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

Standardized 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	EP2556
Hexane	N/A	E3825
Sand	N/A	E2865
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/6/24	RP (EPT 105)	AJ/EST PCB Lab
12:15	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/06/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164700BL	ABLK700	PCB	30.01	N/A	ritesh	RUPESH	10			U5-1
PB164700BS	ALCS700	PCB	30.03	N/A	ritesh	RUPESH	10			2
P4706-01	TR-04-110424	PCB	30.09	N/A	ritesh	RUPESH	10	D		3
P4706-01MS	TR-04-110424MS	PCB	30.03	N/A	ritesh	RUPESH	10	D		4
P4706-01MS D	TR-04-110424MSD	PCB	30.05	N/A	ritesh	RUPESH	10	D		5
P4707-01	HD-02-110424	PCB	30.02	N/A	ritesh	RUPESH	10	D		6
P4708-01	OR-02-110424	PCB	30.01	N/A	ritesh	RUPESH	10	D		U6-1
P4709-01	HR-02-110424	PCB	30.10	N/A	ritesh	RUPESH	10	D		2
P4709-03	HR-03-110424	PCB	30.08	N/A	ritesh	RUPESH	10	D		3
P4718-01	WB-307-SB01	PCB	30.06	N/A	ritesh	RUPESH	10	E		4
P4718-02	WB-307-SB02	PCB	30.03	N/A	ritesh	RUPESH	10	E		5
P4719-01	BAYAVE-STOCKPILE	PCB	30.05	N/A	ritesh	RUPESH	10	E		6

* Extracts relinquished on the same date as received.

2
11/06/24

164703
09/11/24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4706 WorkList ID : 185154 Department : Extraction Date : 11-06-2024 08:17:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4706-01	TR-04-110424	Solid	PCB	Cool 4 deg C	PSEG05	L23	11/04/2024	8082A
P4707-01	HD-02-110424	Solid	PCB	Cool 4 deg C	PSEG05	L23	11/04/2024	8082A
P4708-01	OR-02-110424	Solid	PCB	Cool 4 deg C	PSEG05	L23	11/04/2024	8082A
P4709-01	HR-02-110424	Solid	PCB	Cool 4 deg C	PSEG05	L23	11/04/2024	8082A
P4709-03	HR-03-110424	Solid	PCB	Cool 4 deg C	PSEG05	L23	11/04/2024	8082A
P4718-01	WB-307-SB01	Solid	PCB	Cool 4 deg C	PORT06	L21	11/04/2024	8082A
P4718-02	WB-307-SB02	Solid	PCB	Cool 4 deg C	PORT06	L21	11/04/2024	8082A
P4719-01	BAYAVE-STOCKPILE	Solid	PCB	Cool 4 deg C	PSEG03	K21	11/05/2024	8082A

Date/Time 11/6/24 9:05
Raw Sample Received by: RT (Sig Lab)
Raw Sample Relinquished by: CP (Sig Lab)

Date/Time 11/6/24 9:30
Raw Sample Received by: CP (Sig Lab)
Raw Sample Relinquished by: RT (Sig Lab)



SOP ID:	M3510C,3580A-Extraction PCB-14		
Clean Up SOP #:	Acid Cleanup	Extraction Start Date :	11/06/2024
Matrix :	Water	Extraction Start Time :	08:25
Weigh By:	N/A	Extraction By:	RJ
Balance check:	N/A	Filter By:	RJ
Balance ID:	N/A	pH Meter ID:	N/A
pH Strip Lot#:	E3574	Hood ID:	4,6,7
Extraction Method:	☒ Separatory Funnel	☐ Continuous Liquid/Liquid	☐ Sonication
		☐ Waste Dilution	☐ Soxhlet
		Extraction End Date :	11/06/2024
		Extraction End Time :	13:25
		Concentration By:	RS
		Supervisor By :	rajesh

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

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3823
Baked Na2SO4	N/A	EP2556
Hexane	N/A	E3823
H2SO4 1:1	N/A	EP2524
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721. P4718-04 Limited volume recd.

KD Bath ID:	WATER BATH-1,2	Envap ID:	NEVAP-02
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/6/24	RP (Est 206)	AJ EST PCA Leeb
13:30	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction PCB-14

Concentration Date: 11/06/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164704BL	ABLK704	PCB	1000	6	RUPESH	rajesh	10			SEP-01
PB164704BS	ALCS704	PCB	1000	6	RUPESH	rajesh	10			2
PB164704BSD	ALCSD704	PCB	1000	6	RUPESH	rajesh	10			3
P4661-03	102324-A	PCB	970	6	RUPESH	rajesh	10	C		4
P4684-03	MECHANIC-ST-OIL-WATER	PCB	990	6	RUPESH	rajesh	10	D		5
P4702-01	TOTE-1	PCB	980	6	RUPESH	rajesh	10	E		6
P4704-01	NWB-2111	PCB	1000	6	RUPESH	rajesh	10	D		7
P4704-02	NWB-2056	PCB	1000	6	RUPESH	rajesh	10	D		8
P4704-03	NWB-2108	PCB	1000	6	RUPESH	rajesh	10	D		9
P4718-04	WB-307-SW	PCB	450	6	RUPESH	rajesh	5	F		10

* Extracts relinquished on the same date as received.



10/27/24
8:23

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4661P WorkList ID : 185157 Department : Extraction Date : 11-06-2024 08:21:08

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4661-03	102324-A	Water	PCB	Cool 4 deg C	PSEG03	K51	10/31/2024	8082A
P4684-03	MECHANIC-ST-OIL-WATER	Water	PCB	Cool 4 deg C	PSEG03	L13	11/01/2024	8082A
P4702-01	TOTE-1	Water	PCB	Cool 4 deg C	PSEG03	L23	11/04/2024	8082A
P4704-01	NWB-2111	Water	PCB	Cool 4 deg C	PSEG03	L23	11/04/2024	8082A
P4704-02	NWB-2056	Water	PCB	Cool 4 deg C	PSEG03	L23	11/04/2024	8082A
P4704-03	NWB-2108	Water	PCB	Cool 4 deg C	PSEG03	L23	11/04/2024	8082A
P4718-04	WB-307-SW	Water	PCB	Cool 4 deg C	PORT06	L21	11/04/2024	8082A

Date/Time 11/6/24 8:23
Raw Sample Received by: RJ (Est Lab)
Raw Sample Relinquished by: JD (CSM)

Date/Time 11/6/24 9:00
Raw Sample Received by: JD (CSM)
Raw Sample Relinquished by: RJ (Est Lab)

LAB CHRONICLE

OrderID:	P4718	OrderDate:	11/5/2024 1:31:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	Location:	L21,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4718-01	WB-307-SB01	SOIL	PCB	8082A	11/04/24	11/06/24	11/06/24	11/05/24
P4718-02	WB-307-SB02	SOIL	PCB	8082A	11/04/24	11/06/24	11/06/24	11/05/24
P4718-04	WB-307-SW	WATER	PCB	8082A	11/04/24	11/06/24	11/06/24	11/05/24