

LAB CHRONICLE

OrderID:	P4549	OrderDate:	10/24/2024 4:00:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	CTO WE13
Contact:	Ernie Wu	Location:	K11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4549-02	TT-067-IDWGW-2024 1024	WATER			10/24/24			10/24/24
			PCB	8082A		10/25/24	10/25/24	
P4549-02RE	TT-067-IDWGW-2024 1024RE	WATER			10/24/24			10/24/24
			PCB	8082A		10/25/24	10/28/24	
P4549-03	TT-068-IDWGW-2024 1024	WATER			10/24/24			10/24/24
			PCB	8082A		10/25/24	10/26/24	
P4549-03RE	TT-068-IDWGW-2024 1024RE	WATER			10/24/24			10/24/24
			PCB	8082A		10/25/24	10/28/24	
P4549-04	TT-069-IDWGW-2024 1024	WATER			10/24/24			10/24/24
			PCB	8082A		10/25/24	10/25/24	
P4549-04RE	TT-069-IDWGW-2024 1024RE	WATER			10/24/24			10/24/24
			PCB	8082A		10/25/24	10/28/24	



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

SDG No.:P4549

Order ID:P4549

Client:Tetra Tech NUS, Inc.

Project ID:CTO WE13

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



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/24/24	
Project:	CTO WE13		Date Received:	10/24/24	
Client Sample ID:	TT-067-IDWGW-20241024		SDG No.:	P4549	
Lab Sample ID:	P4549-02		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	980	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
PO107407.D	1	10/25/24 09:10	10/25/24 23:49	PB164403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.41	U	0.15	0.41	0.51	ug/L
11104-28-2	Aroclor-1221	0.41	U	0.23	0.41	0.51	ug/L
11141-16-5	Aroclor-1232	0.41	U	0.38	0.41	0.51	ug/L
53469-21-9	Aroclor-1242	0.41	U	0.16	0.41	0.51	ug/L
12672-29-6	Aroclor-1248	0.41	U	0.12	0.41	0.51	ug/L
11097-69-1	Aroclor-1254	0.41	U	0.11	0.41	0.51	ug/L
37324-23-5	Aroclor-1262	0.41	U	0.14	0.41	0.51	ug/L
11100-14-4	Aroclor-1268	0.41	U	0.12	0.41	0.51	ug/L
11096-82-5	Aroclor-1260	0.41	U	0.15	0.41	0.51	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.4		35 - 137		97%	SPK: 20
2051-24-3	Decachlorobiphenyl	6.81	*	40 - 135		34%	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:	10/24/24	
Project:	CTO WE13		Date Received:	10/24/24	
Client Sample ID:	TT-067-IDWGW-20241024RE		SDG No.:	P4549	
Lab Sample ID:	P4549-02RE		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	980	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
PO107430.D	1	10/25/24 09:10	10/28/24 14:04	PB164403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.41	U	0.15	0.41	0.51	ug/L
11104-28-2	Aroclor-1221	0.41	U	0.23	0.41	0.51	ug/L
11141-16-5	Aroclor-1232	0.41	U	0.38	0.41	0.51	ug/L
53469-21-9	Aroclor-1242	0.41	U	0.16	0.41	0.51	ug/L
12672-29-6	Aroclor-1248	0.41	U	0.12	0.41	0.51	ug/L
11097-69-1	Aroclor-1254	0.41	U	0.11	0.41	0.51	ug/L
37324-23-5	Aroclor-1262	0.41	U	0.14	0.41	0.51	ug/L
11100-14-4	Aroclor-1268	0.41	U	0.12	0.41	0.51	ug/L
11096-82-5	Aroclor-1260	0.41	U	0.15	0.41	0.51	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.7		35 - 137		98%	SPK: 20
2051-24-3	Decachlorobiphenyl	7.75	*	40 - 135		39%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/24/24	
Project:	CTO WE13		Date Received:	10/24/24	
Client Sample ID:	TT-068-IDWGW-20241024		SDG No.:	P4549	
Lab Sample ID:	P4549-03		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	970	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
PO107408.D	1	10/25/24 09:10	10/26/24 00:07	PB164403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.41	U	0.15	0.41	0.52	ug/L
11104-28-2	Aroclor-1221	0.41	U	0.24	0.41	0.52	ug/L
11141-16-5	Aroclor-1232	0.41	U	0.38	0.41	0.52	ug/L
53469-21-9	Aroclor-1242	0.41	U	0.16	0.41	0.52	ug/L
12672-29-6	Aroclor-1248	0.41	U	0.12	0.41	0.52	ug/L
11097-69-1	Aroclor-1254	0.41	U	0.11	0.41	0.52	ug/L
37324-23-5	Aroclor-1262	0.41	U	0.14	0.41	0.52	ug/L
11100-14-4	Aroclor-1268	0.41	U	0.12	0.41	0.52	ug/L
11096-82-5	Aroclor-1260	0.41	U	0.15	0.41	0.52	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.4		35 - 137		92%	SPK: 20
2051-24-3	Decachlorobiphenyl	5.86	*	40 - 135		29%	SPK: 20

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Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/24/24	
Project:	CTO WE13		Date Received:	10/24/24	
Client Sample ID:	TT-068-IDWGW-20241024RE		SDG No.:	P4549	
Lab Sample ID:	P4549-03RE		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	970	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
PO107431.D	1	10/25/24 09:10	10/28/24 14:22	PB164403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.41	U	0.15	0.41	0.52	ug/L
11104-28-2	Aroclor-1221	0.41	U	0.24	0.41	0.52	ug/L
11141-16-5	Aroclor-1232	0.41	U	0.38	0.41	0.52	ug/L
53469-21-9	Aroclor-1242	0.41	U	0.16	0.41	0.52	ug/L
12672-29-6	Aroclor-1248	0.41	U	0.12	0.41	0.52	ug/L
11097-69-1	Aroclor-1254	0.41	U	0.11	0.41	0.52	ug/L
37324-23-5	Aroclor-1262	0.41	U	0.14	0.41	0.52	ug/L
11100-14-4	Aroclor-1268	0.41	U	0.12	0.41	0.52	ug/L
11096-82-5	Aroclor-1260	0.41	U	0.15	0.41	0.52	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.9		35 - 137		90%	SPK: 20
2051-24-3	Decachlorobiphenyl	6.58	*	40 - 135		33%	SPK: 20

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Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/24/24	
Project:	CTO WE13		Date Received:	10/24/24	
Client Sample ID:	TT-069-IDWGW-20241024		SDG No.:	P4549	
Lab Sample ID:	P4549-04		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	990	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
PO107393.D	1	10/25/24 09:10	10/25/24 19:08	PB164403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.51	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.51	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.51	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.51	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.51	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.51	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.51	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.51	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.51	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.2		35 - 137		96%	SPK: 20
2051-24-3	Decachlorobiphenyl	6.05	*	40 - 135		30%	SPK: 20

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Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/24/24	
Project:	CTO WE13		Date Received:	10/24/24	
Client Sample ID:	TT-069-IDWGW-20241024RE		SDG No.:	P4549	
Lab Sample ID:	P4549-04RE		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	990	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
PO107432.D	1	10/25/24 09:10	10/28/24 14:40	PB164403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.51	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.51	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.51	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.51	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.51	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.51	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.51	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.51	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.51	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.8		35 - 137		94%	SPK: 20
2051-24-3	Decachlorobiphenyl	6.75	*	40 - 135		34%	SPK: 20

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QC SUMMARY

Surrogate Summary

SDG No.: **P4549**

Client: **Tetra Tech NUS, Inc.**

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		60	140
		Decachlorobiphenyl	1	20	23.4	117		60	140
		Tetrachloro-m-xylene	2	20	22.1	110		60	140
		Decachlorobiphenyl	2	20	22.8	114		60	140
I.BLK-PO107386.D	PIBLK-PO107386.D	Tetrachloro-m-xylene	1	20	22.3	112		60	140
		Decachlorobiphenyl	1	20	22.6	113		60	140
		Tetrachloro-m-xylene	2	20	22.0	110		60	140
		Decachlorobiphenyl	2	20	22.8	114		60	140
P4549-04	TT-069-IDWGW-20241024	Tetrachloro-m-xylene	1	20	17.2	86		35	137
		Decachlorobiphenyl	1	20	6.05	30	*	40	135
		Tetrachloro-m-xylene	2	20	19.2	96		35	137
		Decachlorobiphenyl	2	20	5.68	28	*	40	135
PB164403BS	PB164403BS	Tetrachloro-m-xylene	1	20	20.7	104		35	137
		Decachlorobiphenyl	1	20	21.0	105		40	135
		Tetrachloro-m-xylene	2	20	20.4	102		35	137
		Decachlorobiphenyl	2	20	18.8	94		40	135
PB164403BSD	PB164403BSD	Tetrachloro-m-xylene	1	20	21.5	108		35	137
		Decachlorobiphenyl	1	20	21.1	105		40	135
		Tetrachloro-m-xylene	2	20	20.5	103		35	137
		Decachlorobiphenyl	2	20	19.4	97		40	135
I.BLK-PO107401.D	PIBLK-PO107401.D	Tetrachloro-m-xylene	1	20	22.1	111		60	140
		Decachlorobiphenyl	1	20	21.2	106		60	140
		Tetrachloro-m-xylene	2	20	22.0	110		60	140
		Decachlorobiphenyl	2	20	20.2	101		60	140
P4549-02	TT-067-IDWGW-20241024	Tetrachloro-m-xylene	1	20	18.7	93		35	137
		Decachlorobiphenyl	1	20	6.81	34	*	40	135
		Tetrachloro-m-xylene	2	20	19.4	97		35	137
		Decachlorobiphenyl	2	20	6.39	32	*	40	135
P4549-03	TT-068-IDWGW-20241024	Tetrachloro-m-xylene	1	20	17.9	89		35	137
		Decachlorobiphenyl	1	20	5.86	29	*	40	135
		Tetrachloro-m-xylene	2	20	18.4	92		35	137
		Decachlorobiphenyl	2	20	5.62	28	*	40	135
I.BLK-PO107413.D	PIBLK-PO107413.D	Tetrachloro-m-xylene	1	20	21.6	108		60	140
		Decachlorobiphenyl	1	20	21.4	107		60	140
		Tetrachloro-m-xylene	2	20	22.0	110		60	140
		Decachlorobiphenyl	2	20	20.4	102		60	140
I.BLK-PO107424.D	PIBLK-PO107424.D	Tetrachloro-m-xylene	1	20	19.3	96		60	140
		Decachlorobiphenyl	1	20	20.2	101		60	140
		Tetrachloro-m-xylene	2	20	19.6	98		60	140
		Decachlorobiphenyl	2	20	19.6	98		60	140
PB164403BL	PB164403BL	Tetrachloro-m-xylene	1	20	19.6	98		35	137

Surrogate Summary

SDG No.: **P4549**

Client: **Tetra Tech NUS, Inc.**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
PB164403BL	PB164403BL	Decachlorobiphenyl	1	20	22.5	113		40	135
		Tetrachloro-m-xylene	2	20	20.6	103		35	137
P4549-02RE	TT-067-IDWGW-20241024RE	Decachlorobiphenyl	2	20	22.6	113		40	135
		Tetrachloro-m-xylene	1	20	18.7	94		35	137
		Decachlorobiphenyl	1	20	7.75	39	*	40	135
		Tetrachloro-m-xylene	2	20	19.7	98		35	137
		Decachlorobiphenyl	2	20	7.36	37	*	40	135
P4549-03RE	TT-068-IDWGW-20241024RE	Tetrachloro-m-xylene	1	20	17.5	87		35	137
		Decachlorobiphenyl	1	20	6.58	33	*	40	135
		Tetrachloro-m-xylene	2	20	17.9	90		35	137
		Decachlorobiphenyl	2	20	6.42	32	*	40	135
P4549-04RE	TT-069-IDWGW-20241024RE	Tetrachloro-m-xylene	1	20	18.0	90		35	137
		Decachlorobiphenyl	1	20	6.75	34	*	40	135
		Tetrachloro-m-xylene	2	20	18.8	94		35	137
		Decachlorobiphenyl	2	20	6.42	32	*	40	135
I.BLK-PO107440.D	PIBLK-PO107440.D	Tetrachloro-m-xylene	1	20	19.9	100		60	140
		Decachlorobiphenyl	1	20	20.5	103		60	140
		Tetrachloro-m-xylene	2	20	20.5	103		60	140
		Decachlorobiphenyl	2	20	20.4	102		60	140



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4549

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A Datafile : PO107395.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164403BS	AR1016	5	4.70	ug/L	94				46	129	
	AR1260	5	4.40	ug/L	88				45	134	



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

SW-846

SDG No.: P4549

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A Datafile : PO107396.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB164403BSD	AR1016	5	4.80	ug/L	96	2			46	129	20
	AR1260	5	4.40	ug/L	88	0			45	134	20

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164403BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: P4549

SAS No.: P4549 SDG NO.: P4549

Lab Sample ID: PB164403BL

Lab File ID: PO107429.D

Matrix: (soil/water) WATER

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/25/2024

Date Analyzed (1): 10/28/2024

Date Analyzed (2): 10/28/2024

Time Analyzed (1): 13:46

Time Analyzed (2): 13:46

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
TT-069-IDWGW-20241024	P4549-04	PO107393.D	10/25/2024	10/25/2024
PB164403BS	PB164403BS	PO107395.D	10/25/2024	10/25/2024
PB164403BSD	PB164403BSD	PO107396.D	10/25/2024	10/25/2024
TT-067-IDWGW-20241024	P4549-02	PO107407.D	10/25/2024	10/25/2024
TT-068-IDWGW-20241024	P4549-03	PO107408.D	10/26/2024	10/26/2024

COMMENTS: _____



CALIBRATION SUMMARY

A
B
C
D
E
F
G

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

A
B
C
D
E
F
G

A
B
C
D
E
F
G

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

[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

A
B
C
D
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G

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

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

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: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

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: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

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: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

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: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/25/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 15:49 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)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	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)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.74	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.06	10.06	9.96	10.16	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/25/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 15:49 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)	4.73	4.73	4.63	4.83	0.00
Aroclor-1016-2	(2)	4.75	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)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
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		3.65	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

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

Client Sample No.: CCAL01 Date Analyzed: 10/25/2024

Lab Sample No.: AR1660CCC500 Data File : PO107382.D Time Analyzed: 15:49

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.522	5.423	5.623	541.940	500.000	8.4
Aroclor-1016-2	5.544	5.445	5.645	534.490	500.000	6.9
Aroclor-1016-3	5.606	5.507	5.707	524.670	500.000	4.9
Aroclor-1016-4	5.704	5.604	5.804	550.740	500.000	10.1
Aroclor-1016-5	5.998	5.899	6.099	549.630	500.000	9.9
Aroclor-1260-1	7.125	7.026	7.226	524.670	500.000	4.9
Aroclor-1260-2	7.382	7.282	7.482	536.310	500.000	7.3
Aroclor-1260-3	7.743	7.643	7.843	515.030	500.000	3.0
Aroclor-1260-4	7.968	7.868	8.068	522.860	500.000	4.6
Aroclor-1260-5	8.281	8.181	8.381	527.620	500.000	5.5
Decachlorobiphenyl	10.061	9.958	10.158	52.130	50.000	4.3
Tetrachloro-m-xylene	4.373	4.274	4.474	55.320	50.000	10.6

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

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

Client Sample No.: CCAL01 Date Analyzed: 10/25/2024

Lab Sample No.: AR1660CCC500 Data File : PO107382.D Time Analyzed: 15:49

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.726	4.626	4.826	553.460	500.000	10.7
Aroclor-1016-2	4.745	4.645	4.845	567.100	500.000	13.4
Aroclor-1016-3	4.921	4.821	5.021	533.360	500.000	6.7
Aroclor-1016-4	4.962	4.862	5.062	510.120	500.000	2.0
Aroclor-1016-5	5.175	5.076	5.276	544.660	500.000	8.9
Aroclor-1260-1	6.206	6.107	6.307	548.980	500.000	9.8
Aroclor-1260-2	6.393	6.294	6.494	584.550	500.000	16.9
Aroclor-1260-3	6.547	6.448	6.648	558.400	500.000	11.7
Aroclor-1260-4	7.017	6.918	7.118	558.220	500.000	11.6
Aroclor-1260-5	7.257	7.159	7.359	591.990	500.000	18.4
Decachlorobiphenyl	8.638	8.539	8.739	53.990	50.000	8.0
Tetrachloro-m-xylene	3.645	3.545	3.745	55.010	50.000	10.0

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/25/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 20:48 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)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	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)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.74	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.06	10.06	9.96	10.16	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/25/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 20:48 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)	4.73	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)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
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: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

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

Client Sample No.: CCAL02 Date Analyzed: 10/25/2024

Lab Sample No.: AR1660CCC500 Data File : PO107397.D Time Analyzed: 20:48

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.521	5.423	5.623	494.170	500.000	-1.2
Aroclor-1016-2	5.543	5.445	5.645	479.380	500.000	-4.1
Aroclor-1016-3	5.606	5.507	5.707	461.860	500.000	-7.6
Aroclor-1016-4	5.703	5.604	5.804	477.250	500.000	-4.6
Aroclor-1016-5	5.998	5.899	6.099	475.790	500.000	-4.8
Aroclor-1260-1	7.125	7.026	7.226	485.380	500.000	-2.9
Aroclor-1260-2	7.382	7.282	7.482	484.810	500.000	-3.0
Aroclor-1260-3	7.744	7.643	7.843	458.270	500.000	-8.3
Aroclor-1260-4	7.968	7.868	8.068	467.110	500.000	-6.6
Aroclor-1260-5	8.281	8.181	8.381	484.470	500.000	-3.1
Decachlorobiphenyl	10.061	9.958	10.158	50.240	50.000	0.5
Tetrachloro-m-xylene	4.372	4.274	4.474	52.530	50.000	5.1

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

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

Client Sample No.: CCAL02 Date Analyzed: 10/25/2024

Lab Sample No.: AR1660CCC500 Data File : PO107397.D Time Analyzed: 20:48

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.725	4.626	4.826	537.990	500.000	7.6
Aroclor-1016-2	4.744	4.645	4.845	546.030	500.000	9.2
Aroclor-1016-3	4.920	4.821	5.021	516.060	500.000	3.2
Aroclor-1016-4	4.961	4.862	5.062	492.570	500.000	-1.5
Aroclor-1016-5	5.175	5.076	5.276	524.530	500.000	4.9
Aroclor-1260-1	6.206	6.107	6.307	496.750	500.000	-0.7
Aroclor-1260-2	6.393	6.294	6.494	527.570	500.000	5.5
Aroclor-1260-3	6.546	6.448	6.648	500.040	500.000	0.0
Aroclor-1260-4	7.017	6.918	7.118	488.580	500.000	-2.3
Aroclor-1260-5	7.258	7.159	7.359	504.820	500.000	1.0
Decachlorobiphenyl	8.637	8.539	8.739	47.900	50.000	-4.2
Tetrachloro-m-xylene	3.644	3.545	3.745	52.630	50.000	5.3

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/26/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 00:54 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)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	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)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.74	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.06	10.06	9.96	10.16	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/26/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 00:54 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)	4.73	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)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
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: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

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

Client Sample No.: CCAL03 Date Analyzed: 10/26/2024

Lab Sample No.: AR1660CCC500 Data File : PO107409.D Time Analyzed: 00:54

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.521	5.423	5.623	496.520	500.000	-0.7
Aroclor-1016-2	5.544	5.445	5.645	485.870	500.000	-2.8
Aroclor-1016-3	5.606	5.507	5.707	472.730	500.000	-5.5
Aroclor-1016-4	5.702	5.604	5.804	493.570	500.000	-1.3
Aroclor-1016-5	5.997	5.899	6.099	497.580	500.000	-0.5
Aroclor-1260-1	7.125	7.026	7.226	465.740	500.000	-6.9
Aroclor-1260-2	7.381	7.282	7.482	492.130	500.000	-1.6
Aroclor-1260-3	7.743	7.643	7.843	486.130	500.000	-2.8
Aroclor-1260-4	7.967	7.868	8.068	492.230	500.000	-1.6
Aroclor-1260-5	8.280	8.181	8.381	496.360	500.000	-0.7
Decachlorobiphenyl	10.060	9.958	10.158	46.720	50.000	-6.6
Tetrachloro-m-xylene	4.372	4.274	4.474	50.430	50.000	0.9

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

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

Client Sample No.: CCAL03 Date Analyzed: 10/26/2024

Lab Sample No.: AR1660CCC500 Data File : PO107409.D Time Analyzed: 00:54

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.725	4.626	4.826	527.800	500.000	5.6
Aroclor-1016-2	4.744	4.645	4.845	528.560	500.000	5.7
Aroclor-1016-3	4.920	4.821	5.021	503.880	500.000	0.8
Aroclor-1016-4	4.962	4.862	5.062	478.610	500.000	-4.3
Aroclor-1016-5	5.175	5.076	5.276	507.540	500.000	1.5
Aroclor-1260-1	6.206	6.107	6.307	518.160	500.000	3.6
Aroclor-1260-2	6.393	6.294	6.494	532.900	500.000	6.6
Aroclor-1260-3	6.547	6.448	6.648	524.730	500.000	4.9
Aroclor-1260-4	7.017	6.918	7.118	533.380	500.000	6.7
Aroclor-1260-5	7.259	7.159	7.359	554.010	500.000	10.8
Decachlorobiphenyl	8.638	8.539	8.739	46.430	50.000	-7.1
Tetrachloro-m-xylene	3.644	3.545	3.745	51.580	50.000	3.2

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/28/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 11:22 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)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.60	5.61	5.51	5.71	0.01
Aroclor-1016-4	(4)	5.70	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)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.74	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.05	10.06	9.96	10.16	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/28/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 11:22 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	0.01
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		8.63	8.64	8.54	8.74	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

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

Client Sample No.: CCAL04 Date Analyzed: 10/28/2024

Lab Sample No.: AR1660CCC500 Data File : PO107421.D Time Analyzed: 11:22

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.519	5.423	5.623	467.400	500.000	-6.5
Aroclor-1016-2	5.542	5.445	5.645	458.050	500.000	-8.4
Aroclor-1016-3	5.604	5.507	5.707	455.130	500.000	-9.0
Aroclor-1016-4	5.701	5.604	5.804	473.820	500.000	-5.2
Aroclor-1016-5	5.996	5.899	6.099	478.100	500.000	-4.4
Aroclor-1260-1	7.124	7.026	7.226	463.460	500.000	-7.3
Aroclor-1260-2	7.379	7.282	7.482	471.410	500.000	-5.7
Aroclor-1260-3	7.741	7.643	7.843	454.480	500.000	-9.1
Aroclor-1260-4	7.965	7.868	8.068	438.720	500.000	-12.3
Aroclor-1260-5	8.278	8.181	8.381	474.790	500.000	-5.0
Decachlorobiphenyl	10.054	9.958	10.158	46.260	50.000	-7.5
Tetrachloro-m-xylene	4.371	4.274	4.474	47.030	50.000	-5.9

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

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

Client Sample No.: CCAL04 Date Analyzed: 10/28/2024

Lab Sample No.: AR1660CCC500 Data File : PO107421.D Time Analyzed: 11:22

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.724	4.626	4.826	512.280	500.000	2.5
Aroclor-1016-2	4.743	4.645	4.845	516.410	500.000	3.3
Aroclor-1016-3	4.919	4.821	5.021	495.570	500.000	-0.9
Aroclor-1016-4	4.960	4.862	5.062	477.890	500.000	-4.4
Aroclor-1016-5	5.173	5.076	5.276	501.090	500.000	0.2
Aroclor-1260-1	6.204	6.107	6.307	494.270	500.000	-1.1
Aroclor-1260-2	6.391	6.294	6.494	526.580	500.000	5.3
Aroclor-1260-3	6.544	6.448	6.648	502.020	500.000	0.4
Aroclor-1260-4	7.015	6.918	7.118	495.390	500.000	-0.9
Aroclor-1260-5	7.255	7.159	7.359	527.980	500.000	5.6
Decachlorobiphenyl	8.634	8.539	8.739	47.340	50.000	-5.3
Tetrachloro-m-xylene	3.643	3.545	3.745	49.980	50.000	0.0

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/28/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 16:10 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)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.60	5.61	5.51	5.71	0.01
Aroclor-1016-4	(4)	5.70	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)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.74	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.06	10.06	9.96	10.16	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Continuing Calib Date: 10/28/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 16:10 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)	7.01	7.02	6.92	7.12	0.01
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		8.63	8.64	8.54	8.74	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

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

Client Sample No.: CCAL05 Date Analyzed: 10/28/2024

Lab Sample No.: AR1660CCC500 Data File : PO107435.D Time Analyzed: 16:10

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.519	5.423	5.623	480.930	500.000	-3.8
Aroclor-1016-2	5.542	5.445	5.645	469.040	500.000	-6.2
Aroclor-1016-3	5.604	5.507	5.707	469.220	500.000	-6.2
Aroclor-1016-4	5.701	5.604	5.804	488.600	500.000	-2.3
Aroclor-1016-5	5.996	5.899	6.099	484.120	500.000	-3.2
Aroclor-1260-1	7.123	7.026	7.226	459.280	500.000	-8.1
Aroclor-1260-2	7.379	7.282	7.482	476.130	500.000	-4.8
Aroclor-1260-3	7.741	7.643	7.843	470.430	500.000	-5.9
Aroclor-1260-4	7.965	7.868	8.068	465.450	500.000	-6.9
Aroclor-1260-5	8.277	8.181	8.381	480.940	500.000	-3.8
Decachlorobiphenyl	10.055	9.958	10.158	47.620	50.000	-4.8
Tetrachloro-m-xylene	4.371	4.274	4.474	47.610	50.000	-4.8

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

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

Client Sample No.: CCAL05 Date Analyzed: 10/28/2024

Lab Sample No.: AR1660CCC500 Data File : PO107435.D Time Analyzed: 16:10

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.724	4.626	4.826	523.860	500.000	4.8
Aroclor-1016-2	4.743	4.645	4.845	530.430	500.000	6.1
Aroclor-1016-3	4.919	4.821	5.021	508.190	500.000	1.6
Aroclor-1016-4	4.960	4.862	5.062	491.260	500.000	-1.7
Aroclor-1016-5	5.173	5.076	5.276	531.290	500.000	6.3
Aroclor-1260-1	6.204	6.107	6.307	493.890	500.000	-1.2
Aroclor-1260-2	6.390	6.294	6.494	525.730	500.000	5.1
Aroclor-1260-3	6.544	6.448	6.648	507.540	500.000	1.5
Aroclor-1260-4	7.014	6.918	7.118	492.640	500.000	-1.5
Aroclor-1260-5	7.255	7.159	7.359	527.570	500.000	5.5
Decachlorobiphenyl	8.634	8.539	8.739	48.670	50.000	-2.7
Tetrachloro-m-xylene	3.643	3.545	3.745	51.710	50.000	3.4

Analytical Sequence

Client: Tetra Tech NUS, Inc.

SDG No.: P4549

Project: CTO WE13

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	10/25/2024	15:49	PO107382.D	10.06	4.37
IBLK	IBLK	10/25/2024	17:01	PO107386.D	10.06	4.37
TT-069-IDWGW-20241024	P4549-04	10/25/2024	19:08	PO107393.D	10.06	4.37
PB164403BS	PB164403BS	10/25/2024	19:44	PO107395.D	10.06	4.37
PB164403BSD	PB164403BSD	10/25/2024	20:02	PO107396.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/25/2024	20:48	PO107397.D	10.06	4.37
IBLK	IBLK	10/25/2024	22:01	PO107401.D	10.06	4.37
TT-067-IDWGW-20241024	P4549-02	10/25/2024	23:49	PO107407.D	10.06	4.37
TT-068-IDWGW-20241024	P4549-03	10/26/2024	00:07	PO107408.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/26/2024	00:54	PO107409.D	10.06	4.37
IBLK	IBLK	10/26/2024	02:06	PO107413.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/28/2024	11:22	PO107421.D	10.05	4.37
IBLK	IBLK	10/28/2024	12:16	PO107424.D	10.05	4.37

Analytical Sequence

PB164403BL	PB164403BL	10/28/2024	13:46	PO107429.D	10.07	4.39
TT-067-IDWGW-20241024RE	P4549-02RE	10/28/2024	14:04	PO107430.D	10.06	4.37
TT-068-IDWGW-20241024RE	P4549-03RE	10/28/2024	14:22	PO107431.D	10.06	4.37
TT-069-IDWGW-20241024RE	P4549-04RE	10/28/2024	14:40	PO107432.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/28/2024	16:10	PO107435.D	10.06	4.37
LBLK	LBLK	10/28/2024	17:40	PO107440.D	10.06	4.37

Analytical Sequence

Client: Tetra Tech NUS, Inc.

SDG No.: P4549

Project: CTO WE13

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	10/25/2024	15:49	PO107382.D	8.64	3.65
IBLK	IBLK	10/25/2024	17:01	PO107386.D	8.64	3.64
TT-069-IDWGW-20241024	P4549-04	10/25/2024	19:08	PO107393.D	8.64	3.65
PB164403BS	PB164403BS	10/25/2024	19:44	PO107395.D	8.64	3.65
PB164403BSD	PB164403BSD	10/25/2024	20:02	PO107396.D	8.64	3.65
AR1660CCC500	AR1660CCC500	10/25/2024	20:48	PO107397.D	8.64	3.64
IBLK	IBLK	10/25/2024	22:01	PO107401.D	8.64	3.64
TT-067-IDWGW-20241024	P4549-02	10/25/2024	23:49	PO107407.D	8.64	3.65
TT-068-IDWGW-20241024	P4549-03	10/26/2024	00:07	PO107408.D	8.64	3.65
AR1660CCC500	AR1660CCC500	10/26/2024	00:54	PO107409.D	8.64	3.64
IBLK	IBLK	10/26/2024	02:06	PO107413.D	8.64	3.64
AR1660CCC500	AR1660CCC500	10/28/2024	11:22	PO107421.D	8.63	3.64
IBLK	IBLK	10/28/2024	12:16	PO107424.D	8.63	3.64

Analytical Sequence

PB164403BL	PB164403BL	10/28/2024	13:46	PO107429.D	8.64	3.64
TT-067-IDWGW-20241024RE	P4549-02RE	10/28/2024	14:04	PO107430.D	8.64	3.64
TT-068-IDWGW-20241024RE	P4549-03RE	10/28/2024	14:22	PO107431.D	8.64	3.64
TT-069-IDWGW-20241024RE	P4549-04RE	10/28/2024	14:40	PO107432.D	8.64	3.64
AR1660CCC500	AR1660CCC500	10/28/2024	16:10	PO107435.D	8.63	3.64
LBLK	LBLK	10/28/2024	17:40	PO107440.D	8.63	3.64



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	CTO WE13		Date Received:		
Client Sample ID:	PB164403BL		SDG No.:	P4549	
Lab Sample ID:	PB164403BL		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
PO107429.D	1	10/25/24 09:10	10/28/24 13:46	PB164403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.6		35 - 137		103%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		40 - 135		113%	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:	CTO WE13		Date Received:	10/15/24	
Client Sample ID:	PIBLK-PO107183.D		SDG No.:	P4549	
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	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.1		60 - 140		110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.8		60 - 140		114%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/25/24	
Project:	CTO WE13		Date Received:	10/25/24	
Client Sample ID:	PIBLK-PO107386.D		SDG No.:	P4549	
Lab Sample ID:	I.BLK-PO107386.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
PO107386.D	1		10/25/24	PO102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.0		60 - 140		110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		60 - 140		113%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/25/24	
Project:	CTO WE13		Date Received:	10/25/24	
Client Sample ID:	PIBLK-PO107401.D		SDG No.:	P4549	
Lab Sample ID:	I.BLK-PO107401.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
PO107401.D	1		10/25/24	PO102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.0		60 - 140		110%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		60 - 140		101%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/26/24	
Project:	CTO WE13		Date Received:	10/26/24	
Client Sample ID:	PIBLK-PO107413.D		SDG No.:	P4549	
Lab Sample ID:	I.BLK-PO107413.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
PO107413.D	1		10/26/24	PO102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.6		60 - 140		108%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		60 - 140		102%	SPK: 20

Comments:

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D = Dilution

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/28/24	
Project:	CTO WE13		Date Received:	10/28/24	
Client Sample ID:	PIBLK-PO107424.D		SDG No.:	P4549	
Lab Sample ID:	I.BLK-PO107424.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
PO107424.D	1		10/28/24	PO102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.3		60 - 140		96%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.6		60 - 140		98%	SPK: 20

Comments:

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B = Analyte Found in Associated Method Blank

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D = Dilution

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/28/24	
Project:	CTO WE13		Date Received:	10/28/24	
Client Sample ID:	PIBLK-PO107440.D		SDG No.:	P4549	
Lab Sample ID:	I.BLK-PO107440.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
PO107440.D	1		10/28/24	po102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.9		60 - 140		100%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		60 - 140		102%	SPK: 20

Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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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

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D = Dilution

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	CTO WE13		Date Received:		
Client Sample ID:	PB164403BS		SDG No.:	P4549	
Lab Sample ID:	PB164403BS		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
PO107395.D	1	10/25/24 09:10	10/25/24 19:44	PB164403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	4.70		0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	4.40		0.15	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.7		35 - 137		104%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.0		40 - 135		105%	SPK: 20

Comments:

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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

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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:	CTO WE13		Date Received:		
Client Sample ID:	PB164403BSD		SDG No.:	P4549	
Lab Sample ID:	PB164403BSD		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
PO107396.D	1	10/25/24 09:10	10/25/24 20:02	PB164403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	4.80		0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	4.40		0.15	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.5		35 - 137		108%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.1		40 - 135		105%	SPK: 20

Comments:

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