

LAB CHRONICLE

OrderID:	P4495	OrderDate:	10/23/2024 10:29:00 AM
Client:	Chemtech Consulting Group	Project:	NJ Soil PT
Contact:	QA Officer	Location:	QA Office, VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4495-14	PT-DIES-SOIL	SOIL			10/21/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/24/24	
			Diesel Range Organics	8015D		10/24/24	10/25/24	
P4495-15	PT-GAS-SOIL	SOIL			10/21/24			10/23/24
			Gasoline Range Organics	8015D			10/24/24	
			Gasoline Range Organics	8015D			10/30/24	
P4495-16	PT-NJEPH-SOIL	Solid			10/21/24			10/23/24
			EPH	NJEPH		10/25/24	10/28/24	
			EPH	NJEPH		10/25/24	10/29/24	
			EPH	NJEPH		10/25/24	10/28/24	
P4495-16DL 2	PT-NJEPH-SOILDL2	Solid			10/21/24			10/23/24
			EPH	NJEPH		10/25/24	10/28/24	
P4495-17	PT-HERB-SOIL	SOIL			10/21/24			10/23/24
			Herbicide Group1	8151A		11/14/24	11/25/24	
P4495-17RE	PT-HERB-SOILRE	SOIL			10/21/24			10/23/24
			Herbicide Group1	8151A		11/14/24	11/25/24	
P4495-18	PT-PCB-SOIL	SOIL			10/21/24			10/23/24
			PCB	8082A		10/25/24	10/25/24	
P4495-18DL	PT-PCB-SOILDL	SOIL			10/21/24			10/23/24
			PCB	8082A		10/25/24	10/25/24	
P4495-19	PT-PCBO-SOIL	SOIL			10/21/24			10/23/24
			PCB	8082A		10/25/24	10/28/24	
P4495-19DL	PT-PCBO-SOILDL	SOIL			10/21/24			10/23/24

LAB CHRONICLE

			PCB	8082A		10/25/24	10/28/24	
P4495-20	PT-PEST-SOIL	SOIL			10/21/24			10/23/24
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-20DL	PT-PEST-SOILDL	SOIL			10/21/24			10/23/24
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-20DL 2	PT-PEST-SOILDL2	SOIL			10/21/24			10/23/24
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-21	PT-CHLR-SOIL	SOIL			10/21/24			10/23/24
			PESTICIDE Group2	8081B		10/25/24	10/31/24	
P4495-22	PT-TXP-SOIL	SOIL			10/21/24			10/23/24
			PESTICIDE Group3	8081B		10/25/24	10/31/24	
P4495-22DL	PT-TXP-SOILDL	SOIL			10/21/24			10/23/24
			PESTICIDE Group3	8081B		10/25/24	10/31/24	

Hit Summary Sheet
SW-846

SDG No.: P4495

Order ID: P4495

Client: Chemtech Consulting Group

Project ID: NJ Soil PT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	PT-PCB-SOIL							
P4495-18	PT-PCB-SOIL	SOIL	Aroclor-1016	7200	E	3.40	17.0	ug/kg
			Total Concentration:	7,200.000				
Client ID :	PT-PCB-SOIL DL							
P4495-18DL	PT-PCB-SOIL DL	SOIL	Aroclor-1016	7700	D	84.6	424	ug/kg
			Total Concentration:	7,700.000				
Client ID :	PT-PCBO-SOIL							
P4495-19	PT-PCBO-SOIL	SOIL	Aroclor-1221	18000	E	187	495	ug/kg
			Total Concentration:	18,000.000				
Client ID :	PT-PCBO-SOILDL							
P4495-19DL	PT-PCBO-SOILDL	SOIL	Aroclor-1221	18000	D	933	2500	ug/kg
			Total Concentration:	18,000.000				



SAMPLE DATA

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/21/24	
Project:	NJ Soil PT		Date Received:	10/23/24	
Client Sample ID:	PT-PCB-SOIL		SDG No.:	P4495	
Lab Sample ID:	P4495-18		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
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
PO107377.D	1	10/25/24 09:40	10/25/24 13:46	PB164397

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	7200	E	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	27.1		32 - 144	136%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.9		32 - 175	120%	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:	Chemtech Consulting Group		Date Collected:	10/21/24	
Project:	NJ Soil PT		Date Received:	10/23/24	
Client Sample ID:	PT-PCB-SOILDL		SDG No.:	P4495	
Lab Sample ID:	P4495-18DL		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
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
PO107381.D	25	10/25/24 09:40	10/25/24 15:16	PB164397

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	7700	D	84.6	424	ug/kg
11104-28-2	Aroclor-1221	160	UD	160	424	ug/kg
11141-16-5	Aroclor-1232	84.9	UD	84.9	424	ug/kg
53469-21-9	Aroclor-1242	84.6	UD	84.6	424	ug/kg
12672-29-6	Aroclor-1248	197	UD	197	424	ug/kg
11097-69-1	Aroclor-1254	68.1	UD	68.1	424	ug/kg
37324-23-5	Aroclor-1262	114	UD	114	424	ug/kg
11100-14-4	Aroclor-1268	85.6	UD	85.6	424	ug/kg
11096-82-5	Aroclor-1260	72.6	UD	72.6	424	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		32 - 144	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	27.5		32 - 175	138%	SPK: 20

Comments:

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Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/21/24	
Project:	NJ Soil PT		Date Received:	10/23/24	
Client Sample ID:	PT-PCBO-SOIL		SDG No.:	P4495	
Lab Sample ID:	P4495-19		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	1.03	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
PO107427.D	1	10/25/24 11:30	10/28/24 13:10	PB164405

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	98.7	U	98.7	495	ug/kg
11104-28-2	Aroclor-1221	18000	E	187	495	ug/kg
11141-16-5	Aroclor-1232	99.0	U	99.0	495	ug/kg
53469-21-9	Aroclor-1242	98.7	U	98.7	495	ug/kg
12672-29-6	Aroclor-1248	230	U	230	495	ug/kg
11097-69-1	Aroclor-1254	79.5	U	79.5	495	ug/kg
37324-23-5	Aroclor-1262	133	U	133	495	ug/kg
11100-14-4	Aroclor-1268	99.9	U	99.9	495	ug/kg
11096-82-5	Aroclor-1260	84.8	U	84.8	495	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	10.4		32 - 144	52%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		32 - 175	89%	SPK: 20

Comments:

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B = Analyte Found in Associated Method Blank

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* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/21/24	
Project:	NJ Soil PT		Date Received:	10/23/24	
Client Sample ID:	PT-PCBO-SOILDL		SDG No.:	P4495	
Lab Sample ID:	P4495-19DL		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	1.03	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
PO107434.D	5	10/25/24 11:30	10/28/24 15:52	PB164405

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	494	UD	494	2500	ug/kg
11104-28-2	Aroclor-1221	18000	D	933	2500	ug/kg
11141-16-5	Aroclor-1232	495	UD	495	2500	ug/kg
53469-21-9	Aroclor-1242	494	UD	494	2500	ug/kg
12672-29-6	Aroclor-1248	1100	UD	1100	2500	ug/kg
11097-69-1	Aroclor-1254	398	UD	398	2500	ug/kg
37324-23-5	Aroclor-1262	666	UD	666	2500	ug/kg
11100-14-4	Aroclor-1268	500	UD	500	2500	ug/kg
11096-82-5	Aroclor-1260	424	UD	424	2500	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	10.5		32 - 144	52%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		32 - 175	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



QC SUMMARY

Surrogate Summary

SDG No.: **P4495**

Client: **Chemtech Consulting Group**

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-PO107374.D	PIBLK-PO107374.D	Tetrachloro-m-xylene	1	20	21.6	108		60	140
		Decachlorobiphenyl	1	20	21.7	108		60	140
		Tetrachloro-m-xylene	2	20	21.5	108		60	140
		Decachlorobiphenyl	2	20	21.8	109		60	140
PB164397BL	PB164397BL	Tetrachloro-m-xylene	1	20	22.4	112		32	144
		Decachlorobiphenyl	1	20	23.0	115		32	175
		Tetrachloro-m-xylene	2	20	22.1	110		32	144
		Decachlorobiphenyl	2	20	22.8	114		32	175
PB164397BS	PB164397BS	Tetrachloro-m-xylene	1	20	21.8	109		32	144
		Decachlorobiphenyl	1	20	22.4	112		32	175
		Tetrachloro-m-xylene	2	20	20.4	102		32	144
		Decachlorobiphenyl	2	20	22.3	112		32	175
P4495-18	PT-PCB-SOIL	Tetrachloro-m-xylene	1	20	27.1	136		32	144
		Decachlorobiphenyl	1	20	20.3	102		32	175
		Tetrachloro-m-xylene	2	20	18.3	92		32	144
		Decachlorobiphenyl	2	20	23.9	120		32	175
P4495-18DL	PT-PCB-SOILDL	Tetrachloro-m-xylene	1	20	19.5	98		32	144
		Decachlorobiphenyl	1	20	24.3	121		32	175
		Tetrachloro-m-xylene	2	20	18.3	91		32	144
		Decachlorobiphenyl	2	20	27.5	138		32	175
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
P4531-01MS	OR-03-102424MS	Tetrachloro-m-xylene	1	20	16.7	84		32	144
		Decachlorobiphenyl	1	20	19.4	97		32	175
		Tetrachloro-m-xylene	2	20	19.3	96		32	144
		Decachlorobiphenyl	2	20	16.8	84		32	175
P4531-01MSD	OR-03-102424MSD	Tetrachloro-m-xylene	1	20	17.5	88		32	144
		Decachlorobiphenyl	1	20	19.5	97		32	175
		Tetrachloro-m-xylene	2	20	19.9	100		32	144
		Decachlorobiphenyl	2	20	16.1	81		32	175
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
I.BLK-PO107414.D	PIBLK-PO107414.D	Tetrachloro-m-xylene	1	20	18.9	95		60	140

Surrogate Summary

SDG No.: **P4495**

Client: **Chemtech Consulting Group**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO107414.D	PIBLK-PO107414.D	Decachlorobiphenyl	1	20	20.4	102		60	140
		Tetrachloro-m-xylene	2	20	19.6	98		60	140
I.BLK-PO107424.D	PIBLK-PO107424.D	Decachlorobiphenyl	2	20	20.6	103		60	140
		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
		Tetrachloro-m-xylene	1	20	18.9	95		32	144
PB164405BL	PB164405BL	Decachlorobiphenyl	1	20	20.8	104		32	175
		Tetrachloro-m-xylene	2	20	19.4	97		32	144
		Decachlorobiphenyl	2	20	20.3	102		32	175
		Tetrachloro-m-xylene	1	20	19.1	95		32	144
PB164405BS	PB164405BS	Decachlorobiphenyl	1	20	20.3	102		32	175
		Tetrachloro-m-xylene	2	20	18.4	92		32	144
		Decachlorobiphenyl	2	20	19.9	99		32	175
		Tetrachloro-m-xylene	1	20	15.4	77		32	175
P4495-19	PT-PCBO-SOIL	Tetrachloro-m-xylene	2	20	9.16	46		32	144
		Decachlorobiphenyl	2	20	17.8	89		32	175
		Tetrachloro-m-xylene	1	20	10.5	52		32	144
		Decachlorobiphenyl	1	20	19.5	98		32	175
P4495-19DL	PT-PCBO-SOILDL	Tetrachloro-m-xylene	2	20	10.5	52		32	144
		Decachlorobiphenyl	2	20	18.4	92		32	175
		Tetrachloro-m-xylene	1	20	19.9	100		60	140
		Decachlorobiphenyl	1	20	20.5	103		60	140
I.BLK-PO107440.D	PIBLK-PO107440.D	Tetrachloro-m-xylene	2	20	20.5	103		60	140
		Decachlorobiphenyl	2	20	20.4	102		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8082A

DataFile : PO107390.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	OR-03-102424MS											
P4531-01MS	AR1016	176.3	0	170	ug/kg	96				55	146	
	AR1260	176.3	0	155	ug/kg	88				45	144	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8082A

DataFile : PO107391.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	OR-03-102424MSD											
P4531-01MSD	AR1016	176.4	0	173	ug/kg	98		2		55	146	20
	AR1260	176.4	0	157	ug/kg	89		1		45	144	20



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8082A Datafile : PO107376.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164397BS	AR1016	166.5	160	ug/kg	96				71	120	
	AR1260	166.5	162	ug/kg	97				65	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: **8082A** **Datafile :** PO107426.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164405BS	AR1016	4854	4300	ug/kg	89				71	120		
	AR1260	4854	4400	ug/kg	91				65	130		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164397BL

Lab Name: CHEMTECH

Contract: CHEM02

Lab Code: CHEM Case No.: P4495

SAS No.: P4495 SDG NO.: P4495

Lab Sample ID: PB164397BL

Lab File ID: PO107375.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/25/2024

Date Analyzed (1): 10/25/2024

Date Analyzed (2): 10/25/2024

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
PB164397BS	PB164397BS	PO107376.D	10/25/2024	10/25/2024
PT-PCB-SOIL	P4495-18	PO107377.D	10/25/2024	10/25/2024
OR-03-102424MS	P4531-01MS	PO107390.D	10/25/2024	10/25/2024
OR-03-102424MSD	P4531-01MSD	PO107391.D	10/25/2024	10/25/2024

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164405BL

Lab Name: CHEMTECH

Contract: CHEM02

Lab Code: CHEM Case No.: P4495

SAS No.: P4495 SDG NO.: P4495

Lab Sample ID: PB164405BL

Lab File ID: PO107425.D

Matrix: (soil/water) Solid

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): 12:34

Time Analyzed (2): 12:34

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
PB164405BS	PB164405BS	PO107426.D	10/28/2024	10/28/2024
PT-PCBO-SOIL	P4495-19	PO107427.D	10/28/2024	10/28/2024

COMMENTS: _____



CALIBRATION SUMMARY

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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	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

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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



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

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Instrument ID: ECD_O **Calibration Date(s):** 10/28/2024 10/28/2024
Calibration Times: 09:34 10:46

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

LAB FILE ID:		CF 1000 =		<u>PO107415.D</u>	CF 750 =		<u>PO107416.D</u>	
CF 500 =		<u>PO107417.D</u>		CF 250 =		<u>PO107418.D</u>	CF 050 =	<u>PO107419.D</u>
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1221-1	(1)	102622481	106822239	113506836	119050720	115590160	111518487	6
Aroclor-1221-2	(2)	73843311	77090631	82153862	87705808	88792760	81917274	8
Aroclor-1221-3	(3)	216166335	225272985	237676422	256699116	260633100	239289592	8
Decachlorobiphenyl		2202322900	2277801413	2398089540	2507915520	2399564800	2357138835	5
Tetrachloro-m-xylene		8923238900	9024945213	9308312800	9477694080	8794415000	9105721199	3

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Instrument ID: ECD_O

Calibration Date(s): 10/28/2024 10/28/2024

Calibration Times: 09:34 10:46

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

LAB FILE ID:		CF 1000 = <u>PO107415.D</u>		CF 750 = <u>PO107416.D</u>				
CF 500 = <u>PO107417.D</u>		CF 250 = <u>PO107418.D</u>		CF 050 = <u>PO107419.D</u>				
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1221-1	(1)	35576488	36433637	37744832	38678816	32784700	36243695	6
Aroclor-1221-2	(2)	27465164	28384011	29493154	30456612	29720220	29103832	4
Aroclor-1221-3	(3)	84083216	86892267	89808164	93083904	87343060	88242122	4
Decachlorobiphenyl		2643458700	2653627093	2771181340	2794463760	2500904400	2672727059	4
Tetrachloro-m-xylene		3369255270	3386064760	3396242860	3329085000	2853742400	3266878058	7

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract:CHEM02

Lab Code:CHEMCase No.:P4495SAS No.:P4495SDG NO.:P4495

Instrument ID:Date(s) Analyzed:

GC Column:ID:(mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
		1				
		2				
		3				
		4				
		5				

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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

Continuing Calib Time: 09:25 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	0.00
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)	7.75	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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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

Continuing Calib Time: 09:25 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	0.01
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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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 : PO107370.D Time Analyzed: 09:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.523	5.423	5.623	527.200	500.000	5.4
Aroclor-1016-2	5.545	5.445	5.645	510.220	500.000	2.0
Aroclor-1016-3	5.608	5.507	5.707	494.160	500.000	-1.2
Aroclor-1016-4	5.705	5.604	5.804	514.300	500.000	2.9
Aroclor-1016-5	6.000	5.899	6.099	525.980	500.000	5.2
Aroclor-1260-1	7.126	7.026	7.226	489.010	500.000	-2.2
Aroclor-1260-2	7.383	7.282	7.482	517.380	500.000	3.5
Aroclor-1260-3	7.745	7.643	7.843	509.140	500.000	1.8
Aroclor-1260-4	7.969	7.868	8.068	518.330	500.000	3.7
Aroclor-1260-5	8.282	8.181	8.381	520.630	500.000	4.1
Decachlorobiphenyl	10.062	9.958	10.158	51.430	50.000	2.9
Tetrachloro-m-xylene	4.373	4.274	4.474	53.420	50.000	6.8

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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 : PO107370.D Time Analyzed: 09:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.725	4.626	4.826	554.800	500.000	11.0
Aroclor-1016-2	4.744	4.645	4.845	567.110	500.000	13.4
Aroclor-1016-3	4.920	4.821	5.021	535.260	500.000	7.1
Aroclor-1016-4	4.961	4.862	5.062	509.110	500.000	1.8
Aroclor-1016-5	5.175	5.076	5.276	542.290	500.000	8.5
Aroclor-1260-1	6.205	6.107	6.307	541.100	500.000	8.2
Aroclor-1260-2	6.393	6.294	6.494	576.430	500.000	15.3
Aroclor-1260-3	6.546	6.448	6.648	552.590	500.000	10.5
Aroclor-1260-4	7.016	6.918	7.118	536.970	500.000	7.4
Aroclor-1260-5	7.257	7.159	7.359	571.380	500.000	14.3
Decachlorobiphenyl	8.636	8.539	8.739	52.070	50.000	4.1
Tetrachloro-m-xylene	3.644	3.545	3.745	55.350	50.000	10.7

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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 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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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 : PO107382.D Time Analyzed: 15:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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 : PO107382.D Time Analyzed: 15:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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 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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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

Client Sample No.: CCAL03 Date Analyzed: 10/25/2024

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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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

Client Sample No.: CCAL03 Date Analyzed: 10/25/2024

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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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 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		10.05	10.06	9.96	10.16	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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

Client Sample No.: CCAL01 Date Analyzed: 10/28/2024

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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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

Client Sample No.: CCAL01 Date Analyzed: 10/28/2024

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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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

Continuing Calib Time: 11:40 Initial Calibration Time(s): 09:34 10:46

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Aroclor-1221-1 (1)	4.57	4.57	4.47	4.67	0.00
Aroclor-1221-2 (2)	4.66	4.66	4.56	4.76	0.00
Aroclor-1221-3 (3)	4.73	4.73	4.63	4.83	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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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

Continuing Calib Time: 11:40 Initial Calibration Time(s): 09:34 10:46

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Aroclor-1221-1 (1)	3.86	3.86	3.76	3.96	0.00
Aroclor-1221-2 (2)	3.94	3.94	3.84	4.04	0.00
Aroclor-1221-3 (3)	4.02	4.02	3.92	4.12	0.00
Tetrachloro-m-xylene	3.64	3.64	3.54	3.74	0.00
Decachlorobiphenyl	8.63	8.63	8.53	8.73	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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

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

Lab Sample No.: AR1221CCC500 Data File : PO107422.D Time Analyzed: 11:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1221-1	4.570	4.471	4.671	514.430	500.000	2.9
Aroclor-1221-2	4.655	4.556	4.756	510.810	500.000	2.2
Aroclor-1221-3	4.730	4.631	4.831	505.190	500.000	1.0
Decachlorobiphenyl	10.056	9.957	10.157	48.770	50.000	-2.5
Tetrachloro-m-xylene	4.371	4.271	4.471	51.410	50.000	2.8

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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

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

Lab Sample No.: AR1221CCC500 Data File : PO107422.D Time Analyzed: 11:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1221-1	3.855	3.755	3.955	527.140	500.000	5.4
Aroclor-1221-2	3.940	3.840	4.040	513.260	500.000	2.7
Aroclor-1221-3	4.016	3.916	4.116	511.520	500.000	2.3
Decachlorobiphenyl	8.634	8.534	8.734	50.130	50.000	0.3
Tetrachloro-m-xylene	3.643	3.543	3.743	52.970	50.000	5.9

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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

Client Sample No.: CCAL02 Date Analyzed: 10/28/2024

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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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

Client Sample No.: CCAL02 Date Analyzed: 10/28/2024

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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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

Continuing Calib Time: 16:28 Initial Calibration Time(s): 09:34 10:46

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Aroclor-1221-1 (1)	4.57	4.57	4.47	4.67	0.00
Aroclor-1221-2 (2)	4.66	4.66	4.56	4.76	0.00
Aroclor-1221-3 (3)	4.73	4.73	4.63	4.83	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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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

Continuing Calib Time: 16:28 Initial Calibration Time(s): 09:34 10:46

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Aroclor-1221-1 (1)	3.86	3.86	3.76	3.96	0.00
Aroclor-1221-2 (2)	3.94	3.94	3.84	4.04	0.00
Aroclor-1221-3 (3)	4.02	4.02	3.92	4.12	0.00
Tetrachloro-m-xylene	3.64	3.64	3.54	3.74	0.00
Decachlorobiphenyl	8.63	8.63	8.53	8.73	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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

Client Sample No.: CCAL07 Date Analyzed: 10/28/2024

Lab Sample No.: AR1221CCC500 Data File : PO107436.D Time Analyzed: 16:28

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1221-1	4.570	4.471	4.671	520.880	500.000	4.2
Aroclor-1221-2	4.655	4.556	4.756	510.950	500.000	2.2
Aroclor-1221-3	4.730	4.631	4.831	507.540	500.000	1.5
Decachlorobiphenyl	10.056	9.957	10.157	49.600	50.000	-0.8
Tetrachloro-m-xylene	4.371	4.271	4.471	52.200	50.000	4.4

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

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

Client Sample No.: CCAL07 Date Analyzed: 10/28/2024

Lab Sample No.: AR1221CCC500 Data File : PO107436.D Time Analyzed: 16:28

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1221-1	3.855	3.755	3.955	536.640	500.000	7.3
Aroclor-1221-2	3.941	3.840	4.040	516.940	500.000	3.4
Aroclor-1221-3	4.016	3.916	4.116	520.110	500.000	4.0
Decachlorobiphenyl	8.634	8.534	8.734	51.110	50.000	2.2
Tetrachloro-m-xylene	3.643	3.543	3.743	53.610	50.000	7.2

Analytical Sequence

Client: Chemtech Consulting Group

SDG No.: P4495

Project: NJ Soil PT

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	09:25	PO107370.D	10.06	4.37
IBLK	IBLK	10/25/2024	10:59	PO107374.D	10.06	4.37
PB164397BL	PB164397BL	10/25/2024	13:10	PO107375.D	10.06	4.37
PB164397BS	PB164397BS	10/25/2024	13:28	PO107376.D	10.06	4.37
PT-PCB-SOIL	P4495-18	10/25/2024	13:46	PO107377.D	10.06	4.37
PT-PCB-SOILDL	P4495-18DL	10/25/2024	15:16	PO107381.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
OR-03-102424MS	P4531-01MS	10/25/2024	18:13	PO107390.D	10.06	4.37
OR-03-102424MSD	P4531-01MSD	10/25/2024	18:31	PO107391.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
IBLK	IBLK	10/28/2024	09:16	PO107414.D	10.06	4.37

Analytical Sequence

AR1221ICC1000	AR1221ICC1000	10/28/2024	09:34	PO107415.D	10.06	4.37
AR1221ICC750	AR1221ICC750	10/28/2024	09:52	PO107416.D	10.06	4.37
AR1221ICC500	AR1221ICC500	10/28/2024	10:10	PO107417.D	10.06	4.37
AR1221ICC250	AR1221ICC250	10/28/2024	10:28	PO107418.D	10.06	4.37
AR1221ICC050	AR1221ICC050	10/28/2024	10:46	PO107419.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/28/2024	11:22	PO107421.D	10.05	4.37
AR1221CCC500	AR1221CCC500	10/28/2024	11:40	PO107422.D	10.06	4.37
LBLK	LBLK	10/28/2024	12:16	PO107424.D	10.05	4.37
PB164405BL	PB164405BL	10/28/2024	12:34	PO107425.D	10.05	4.37
PB164405BS	PB164405BS	10/28/2024	12:52	PO107426.D	10.06	4.37
PT-PCBO-SOIL	P4495-19	10/28/2024	13:10	PO107427.D	10.06	4.38
PT-PCBO-SOILDL	P4495-19DL	10/28/2024	15:52	PO107434.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/28/2024	16:10	PO107435.D	10.06	4.37
AR1221CCC500	AR1221CCC500	10/28/2024	16:28	PO107436.D	10.06	4.37
LBLK	LBLK	10/28/2024	17:40	PO107440.D	10.06	4.37

Analytical Sequence

Client: Chemtech Consulting Group

SDG No.: P4495

Project: NJ Soil PT

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	09:25	PO107370.D	8.64	3.64
IBLK	IBLK	10/25/2024	10:59	PO107374.D	8.64	3.64
PB164397BL	PB164397BL	10/25/2024	13:10	PO107375.D	8.64	3.64
PB164397BS	PB164397BS	10/25/2024	13:28	PO107376.D	8.64	3.64
PT-PCB-SOIL	P4495-18	10/25/2024	13:46	PO107377.D	8.64	3.64
PT-PCB-SOILDL	P4495-18DL	10/25/2024	15:16	PO107381.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
OR-03-102424MS	P4531-01MS	10/25/2024	18:13	PO107390.D	8.64	3.64
OR-03-102424MSD	P4531-01MSD	10/25/2024	18:31	PO107391.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
IBLK	IBLK	10/28/2024	09:16	PO107414.D	8.64	3.64

Analytical Sequence

AR1221ICC1000	AR1221ICC1000	10/28/2024	09:34	PO107415.D	8.64	3.64
AR1221ICC750	AR1221ICC750	10/28/2024	09:52	PO107416.D	8.63	3.64
AR1221ICC500	AR1221ICC500	10/28/2024	10:10	PO107417.D	8.63	3.64
AR1221ICC250	AR1221ICC250	10/28/2024	10:28	PO107418.D	8.64	3.64
AR1221ICC050	AR1221ICC050	10/28/2024	10:46	PO107419.D	8.64	3.64
AR1660CCC500	AR1660CCC500	10/28/2024	11:22	PO107421.D	8.63	3.64
AR1221CCC500	AR1221CCC500	10/28/2024	11:40	PO107422.D	8.63	3.64
LBLK	LBLK	10/28/2024	12:16	PO107424.D	8.63	3.64
PB164405BL	PB164405BL	10/28/2024	12:34	PO107425.D	8.63	3.64
PB164405BS	PB164405BS	10/28/2024	12:52	PO107426.D	8.64	3.64
PT-PCBO-SOIL	P4495-19	10/28/2024	13:10	PO107427.D	8.64	3.65
PT-PCBO-SOILDL	P4495-19DL	10/28/2024	15:52	PO107434.D	8.64	3.65
AR1660CCC500	AR1660CCC500	10/28/2024	16:10	PO107435.D	8.63	3.64
AR1221CCC500	AR1221CCC500	10/28/2024	16:28	PO107436.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:	Chemtech Consulting Group		Date Collected:		
Project:	NJ Soil PT		Date Received:		
Client Sample ID:	PB164397BL		SDG No.:	P4495	
Lab Sample ID:	PB164397BL		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107375.D	1	10/25/24 09:40	10/25/24 13:10	PB164397

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	22.4		32 - 144	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.0		32 - 175	115%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:		
Project:	NJ Soil PT		Date Received:		
Client Sample ID:	PB164405BL		SDG No.:	P4495	
Lab Sample ID:	PB164405BL		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	1.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107425.D	1	10/25/24 11:30	10/28/24 12:34	PB164405

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	99.7	U	99.7	500	ug/kg
11104-28-2	Aroclor-1221	189	U	189	500	ug/kg
11141-16-5	Aroclor-1232	100	U	100	500	ug/kg
53469-21-9	Aroclor-1242	99.7	U	99.7	500	ug/kg
12672-29-6	Aroclor-1248	232	U	232	500	ug/kg
11097-69-1	Aroclor-1254	80.3	U	80.3	500	ug/kg
37324-23-5	Aroclor-1262	134	U	134	500	ug/kg
11100-14-4	Aroclor-1268	101	U	101	500	ug/kg
11096-82-5	Aroclor-1260	85.6	U	85.6	500	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		32 - 144	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.8		32 - 175	104%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/15/24	
Project:	NJ Soil PT		Date Received:	10/15/24	
Client Sample ID:	PIBLK-PO107183.D		SDG No.:	P4495	
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		60 - 140	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.8		60 - 140	114%	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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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/25/24	
Project:	NJ Soil PT		Date Received:	10/25/24	
Client Sample ID:	PIBLK-PO107374.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PO107374.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
PO107374.D	1		10/25/24	PO102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.5		60 - 140	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.7		60 - 140	108%	SPK: 20

Comments:

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/25/24	
Project:	NJ Soil PT		Date Received:	10/25/24	
Client Sample ID:	PIBLK-PO107386.D		SDG No.:	P4495	
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	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	22.0		60 - 140	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		60 - 140	113%	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

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Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/25/24	
Project:	NJ Soil PT		Date Received:	10/25/24	
Client Sample ID:	PIBLK-PO107401.D		SDG No.:	P4495	
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	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	22.0		60 - 140	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		60 - 140	101%	SPK: 20

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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

* = Values outside of QC limits

D = Dilution

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Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/28/24	
Project:	NJ Soil PT		Date Received:	10/28/24	
Client Sample ID:	PIBLK-PO107414.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PO107414.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
PO107414.D	1		10/28/24	PO102824

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	18.9		60 - 140	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		60 - 140	102%	SPK: 20

Comments:

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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:	Chemtech Consulting Group		Date Collected:	10/28/24	
Project:	NJ Soil PT		Date Received:	10/28/24	
Client Sample ID:	PIBLK-PO107424.D		SDG No.:	P4495	
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	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	19.3		60 - 140	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.6		60 - 140	98%	SPK: 20

Comments:

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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:	Chemtech Consulting Group		Date Collected:	10/28/24	
Project:	NJ Soil PT		Date Received:	10/28/24	
Client Sample ID:	PIBLK-PO107440.D		SDG No.:	P4495	
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	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		60 - 140	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		60 - 140	102%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:		
Project:	NJ Soil PT		Date Received:		
Client Sample ID:	PB164397BS		SDG No.:	P4495	
Lab Sample ID:	PB164397BS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
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
PO107376.D	1	10/25/24 09:40	10/25/24 13:28	PB164397

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	160		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	162		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.8		32 - 144	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.4		32 - 175	112%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:		
Project:	NJ Soil PT		Date Received:		
Client Sample ID:	PB164405BS		SDG No.:	P4495	
Lab Sample ID:	PB164405BS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	1.03	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
PO107426.D	1	10/25/24 11:30	10/28/24 12:52	PB164405

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4300		98.7	495	ug/kg
11104-28-2	Aroclor-1221	187	U	187	495	ug/kg
11141-16-5	Aroclor-1232	99.0	U	99.0	495	ug/kg
53469-21-9	Aroclor-1242	98.7	U	98.7	495	ug/kg
12672-29-6	Aroclor-1248	230	U	230	495	ug/kg
11097-69-1	Aroclor-1254	79.5	U	79.5	495	ug/kg
37324-23-5	Aroclor-1262	133	U	133	495	ug/kg
11100-14-4	Aroclor-1268	99.9	U	99.9	495	ug/kg
11096-82-5	Aroclor-1260	4400		84.8	495	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.1		32 - 144	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		32 - 175	102%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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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:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	OR-03-102424MS	SDG No.:	P4495
Lab Sample ID:	P4531-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	94.3
Sample Wt/Vol:	30.07 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
PO107390.D	1	10/25/24 09:40	10/25/24 18:13	PB164397

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	170		3.60	18.0	ug/kg
11104-28-2	Aroclor-1221	6.80	U	6.80	18.0	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.0	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.0	ug/kg
12672-29-6	Aroclor-1248	8.30	U	8.30	18.0	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.0	ug/kg
37324-23-5	Aroclor-1262	4.80	U	4.80	18.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	18.0	ug/kg
11096-82-5	Aroclor-1260	155		3.10	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.3		32 - 144	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.4		32 - 175	97%	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:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	OR-03-102424MSD	SDG No.:	P4495
Lab Sample ID:	P4531-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	94.3
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
PO107391.D	1	10/25/24 09:40	10/25/24 18:31	PB164397

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	173		3.60	18.0	ug/kg
11104-28-2	Aroclor-1221	6.80	U	6.80	18.0	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.0	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.0	ug/kg
12672-29-6	Aroclor-1248	8.40	U	8.40	18.0	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.0	ug/kg
37324-23-5	Aroclor-1262	4.80	U	4.80	18.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	18.0	ug/kg
11096-82-5	Aroclor-1260	157		3.10	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.9		32 - 144	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		32 - 175	97%	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

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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