

LAB CHRONICLE

OrderID:	Q2543	OrderDate:	7/9/2025 12:26:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	O42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2543-01	TP-41	SOIL	Gasoline Range Organics	8015D	07/08/25		07/10/25	07/09/25
			PCB	8082A		07/10/25	07/10/25	
Q2543-02	TP-49	SOIL	Gasoline Range Organics	8015D	07/09/25		07/10/25	07/09/25
			PCB	8082A		07/10/25	07/10/25	
Q2543-03	TP-23	SOIL	Gasoline Range Organics	8015D	07/09/25		07/10/25	07/09/25
			PCB	8082A		07/10/25	07/10/25	
Q2543-04	TP-23-99	SOIL	Gasoline Range Organics	8015D	07/09/25		07/10/25	07/09/25
			PCB	8082A		07/10/25	07/10/25	



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Hit Summary Sheet
SW-846

SDG No.:	Q2543	Order ID:	Q2543
Client:	CDM Smith	Project ID:	South River WM Replacement

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



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	TP-41	SDG No.:	Q2543
Lab Sample ID:	Q2543-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	82
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112190.D	1	07/10/25 08:35	07/10/25 14:40	PB168783

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.80	U	4.80	20.7	ug/kg
11104-28-2	Aroclor-1221	4.90	U	4.90	20.7	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	20.7	ug/kg
53469-21-9	Aroclor-1242	4.90	U	4.90	20.7	ug/kg
12672-29-6	Aroclor-1248	7.20	U	7.20	20.7	ug/kg
11097-69-1	Aroclor-1254	3.90	U	3.90	20.7	ug/kg
37324-23-5	Aroclor-1262	6.10	U	6.10	20.7	ug/kg
11100-14-4	Aroclor-1268	4.40	U	4.40	20.7	ug/kg
11096-82-5	Aroclor-1260	3.90	U	3.90	20.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.9		32 - 144	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.8		32 - 175	54%	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:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	TP-49	SDG No.:	Q2543
Lab Sample ID:	Q2543-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	73.9
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112191.D	1	07/10/25 08:35	07/10/25 14:58	PB168783

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	5.30	U	5.30	23.0	ug/kg
11104-28-2	Aroclor-1221	5.40	U	5.40	23.0	ug/kg
11141-16-5	Aroclor-1232	5.00	U	5.00	23.0	ug/kg
53469-21-9	Aroclor-1242	5.40	U	5.40	23.0	ug/kg
12672-29-6	Aroclor-1248	8.00	U	8.00	23.0	ug/kg
11097-69-1	Aroclor-1254	4.30	U	4.30	23.0	ug/kg
37324-23-5	Aroclor-1262	6.80	U	6.80	23.0	ug/kg
11100-14-4	Aroclor-1268	4.90	U	4.90	23.0	ug/kg
11096-82-5	Aroclor-1260	4.40	U	4.40	23.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.3		32 - 144	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.3		32 - 175	76%	SPK: 20

Comments:

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Q = indicates LCS control criteria did not meet requirements

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	TP-23	SDG No.:	Q2543
Lab Sample ID:	Q2543-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112192.D	1	07/10/25 08:35	07/10/25 15:15	PB168783

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	20.0	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	20.0	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	20.0	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	20.0	ug/kg
12672-29-6	Aroclor-1248	7.00	U	7.00	20.0	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.0	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	20.0	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	20.0	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	20.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.5		32 - 144	118%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.2		32 - 175	81%	SPK: 20

Comments:

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Q = indicates LCS control criteria did not meet requirements

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	TP-23-99	SDG No.:	Q2543
Lab Sample ID:	Q2543-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.4
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112193.D	1	07/10/25 08:35	07/10/25 15:32	PB168783

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.9	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.9	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.9	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.9	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.9	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	19.9	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	19.9	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.9	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	19.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.3		32 - 144	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.8		32 - 175	74%	SPK: 20

Comments:

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LOQ = Limit of Quantitation

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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



QC SUMMARY

Surrogate Summary

SDG No.: **Q2543**

Client: **CDM Smith**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PO112087.D	PIBLK-PO112087.D	Tetrachloro-m-xyl	1	20	19.4	97		60	140
		Decachlorobiphen	1	20	18.8	94		60	140
		Tetrachloro-m-xyl	2	20	20.0	100		60	140
		Decachlorobiphen	2	20	19.3	97		60	140
I.BLK-PO112185.D	PIBLK-PO112185.D	Tetrachloro-m-xyl	1	20	17.6	88		60	140
		Decachlorobiphen	1	20	19.8	99		60	140
		Tetrachloro-m-xyl	2	20	17.0	85		60	140
		Decachlorobiphen	2	20	19.3	97		60	140
Q2543-01	TP-41	Tetrachloro-m-xyl	1	20	19.9	99		32	144
		Decachlorobiphen	1	20	9.80	49		32	175
		Tetrachloro-m-xyl	2	20	18.8	94		32	144
		Decachlorobiphen	2	20	10.8	54		32	175
Q2543-02	TP-49	Tetrachloro-m-xyl	1	20	19.3	96		32	144
		Decachlorobiphen	1	20	15.3	76		32	175
		Tetrachloro-m-xyl	2	20	18.1	91		32	144
		Decachlorobiphen	2	20	15.0	75		32	175
Q2543-03	TP-23	Tetrachloro-m-xyl	1	20	23.5	118		32	144
		Decachlorobiphen	1	20	13.5	67		32	175
		Tetrachloro-m-xyl	2	20	22.3	112		32	144
		Decachlorobiphen	2	20	16.2	81		32	175
Q2543-04	TP-23-99	Tetrachloro-m-xyl	1	20	22.3	112		32	144
		Decachlorobiphen	1	20	12.9	65		32	175
		Tetrachloro-m-xyl	2	20	21.5	107		32	144
		Decachlorobiphen	2	20	14.8	74		32	175
I.BLK-PO112200.D	PIBLK-PO112200.D	Tetrachloro-m-xyl	1	20	17.9	90		60	140
		Decachlorobiphen	1	20	15.6	78		60	140
		Tetrachloro-m-xyl	2	20	17.3	87		60	140
		Decachlorobiphen	2	20	18.1	91		60	140
I.BLK-PP073553.D	PIBLK-PP073553.D	Tetrachloro-m-xyl	1	20	16.2	81		60	140
		Decachlorobiphen	1	20	17.3	87		60	140
		Tetrachloro-m-xyl	2	20	16.2	81		60	140
		Decachlorobiphen	2	20	17.1	85		60	140
I.BLK-PP073695.D	PIBLK-PP073695.D	Tetrachloro-m-xyl	1	20	18.3	91		60	140
		Decachlorobiphen	1	20	18.4	92		60	140
		Tetrachloro-m-xyl	2	20	18.9	95		60	140
		Decachlorobiphen	2	20	20.9	105		60	140
PB168783BL	PB168783BL	Tetrachloro-m-xyl	1	20	18.7	93		32	144
		Decachlorobiphen	1	20	18.6	93		32	175
		Tetrachloro-m-xyl	2	20	19.5	98		32	144
		Decachlorobiphen	2	20	20.9	104		32	175
PB168783BS	PB168783BS	Tetrachloro-m-xyl	1	20	19.5	97		32	144

Surrogate Summary

SDG No.: Q2543

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
PB168783BS	PB168783BS	Decachlorobiphen	1	20	19.1	96		32	175
		Tetrachloro-m-xyl	2	20	18.6	93		32	144
		Decachlorobiphen	2	20	22.4	112		32	175
Q2537-01MS	TR-04-07092025MS	Tetrachloro-m-xyl	1	20	15.3	76		32	144
		Decachlorobiphen	1	20	15.6	78		32	175
		Tetrachloro-m-xyl	2	20	14.4	72		32	144
		Decachlorobiphen	2	20	16.3	81		32	175
		Tetrachloro-m-xyl	1	20	15.3	77		32	144
Q2537-01MSD	TR-04-07092025MSD	Decachlorobiphen	1	20	14.9	75		32	175
		Tetrachloro-m-xyl	2	20	14.2	71		32	144
		Decachlorobiphen	2	20	15.4	77		32	175
		Tetrachloro-m-xyl	1	20	18.5	93		60	140
		Decachlorobiphen	1	20	17.6	88		60	140
I.BLK-PP073709.D	PIBLK-PP073709.D	Tetrachloro-m-xyl	2	20	18.5	93		60	140
		Decachlorobiphen	2	20	20.4	102		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2543</u>	Analytical Method:	<u>8082A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PP073703.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits		
			Result	Result			Qual	RPD	Qual	Low	High	RPD	
Lab Sample ID:	Q2537-01MS (Column 1)	Client Sample ID:	TR-04-7.9-2025MS										
	AR1016	184.1	0	130	ug/kg	71				55		146	
	AR1260	184.1	8.6	117	ug/kg	59				54		119	
Lab Sample ID:	Q2537-01MS (Column 2)	Client Sample ID:	TR-04-7.9-2025MS										
	AR1016	184.1	0	127	ug/kg	69				55		146	
	AR1260	184.1	7.3	118	ug/kg	64				54		119	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2543</u>	Analytical Method:	<u>8082A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PP073704.D</u>

		Sample				Rec		RPD		Limits			
	Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD	
Lab Sample ID:	Q2537-01MSD	Client Sample ID:		TR-04-7.9-2025MSD									
	(Column 1)												
	AR1016			183.9	0	137	ug/kg	74		4		55	146
	AR1260	183.9	8.6	125	ug/kg	63		7		54	119	15	
Lab Sample ID:	Q2537-01MSD	Client Sample ID:		TR-04-7.9-2025MSD									
	(Column 2)												
	AR1016			183.9	0	131	ug/kg	71		3		55	146
	AR1260	183.9	7.3	124	ug/kg	67		5		54	119	15	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2543</u>	Analytical Method:	<u>8082A</u>
Client:	<u>CDM Smith</u>	Datafile :	<u>PP073701.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB168783BS (Column 1)	AR1016	166.6	152	ug/kg	91				71	120		
	AR1260	166.6	142	ug/kg	85				65	130		
PB168783BS (Column 2)	AR1016	166.6	157	ug/kg	94				71	120		
	AR1260	166.6	157	ug/kg	94				65	130		

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB168783BL

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Lab Sample ID: PB168783BL

Lab File ID: PP073700.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 07/10/2025

Date Analyzed (1): 07/10/2025

Date Analyzed (2): 07/10/2025

Time Analyzed (1): 13:39

Time Analyzed (2): 13:39

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
TP-41	Q2543-01	PO112190.D	07/10/2025	07/10/2025
TP-49	Q2543-02	PO112191.D	07/10/2025	07/10/2025
TP-23	Q2543-03	PO112192.D	07/10/2025	07/10/2025
TP-23-99	Q2543-04	PO112193.D	07/10/2025	07/10/2025
PB168783BS	PB168783BS	PP073701.D	07/10/2025	07/10/2025
TR-04-7.9-2025MS	Q2537-01MS	PP073703.D	07/10/2025	07/10/2025
TR-04-7.9-2025MSD	Q2537-01MSD	PP073704.D	07/10/2025	07/10/2025

COMMENTS: _____



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>CAMP02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2543</u>
Instrument ID:	<u>ECD_O</u>	Calibration Date(s):	<u>07/08/2025</u> <u>07/08/2025</u>
		Calibration Times:	<u>14:06</u> <u>22:16</u>

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

LAB FILE ID:	RT 1000 = <u>PO112088.D</u>	RT 750 = <u>PO112089.D</u>
RT 500 = <u>PO112090.D</u>	RT 250 = <u>PO112091.D</u>	RT 050 = <u>PO112092.D</u>

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1016-2	(2)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1016-3	(3)	4.83	4.84	4.84	4.84	4.84	4.84	4.74	4.94
Aroclor-1016-4	(4)	4.95	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1016-5	(5)	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
Aroclor-1260-1	(1)	6.25	6.25	6.25	6.25	6.25	6.25	6.15	6.35
Aroclor-1260-2	(2)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Aroclor-1260-3	(3)	6.81	6.81	6.81	6.81	6.81	6.81	6.71	6.91
Aroclor-1260-4	(4)	7.07	7.07	7.07	7.07	7.07	7.07	6.97	7.17
Aroclor-1260-5	(5)	7.31	7.31	7.31	7.31	7.31	7.31	7.21	7.41
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1242-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1242-2	(2)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1242-3	(3)	4.84	4.84	4.84	4.84	4.84	4.84	4.74	4.94
Aroclor-1242-4	(4)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1242-5	(5)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1248-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1248-2	(2)	5.00	5.00	5.00	5.00	5.00	5.00	4.90	5.10
Aroclor-1248-3	(3)	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
Aroclor-1248-4	(4)	5.57	5.56	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1248-5	(5)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1254-1	(1)	5.57	5.56	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1254-2	(2)	5.72	5.71	5.72	5.71	5.71	5.72	5.62	5.82
Aroclor-1254-3	(3)	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Aroclor-1254-4	(4)	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Aroclor-1254-5	(5)	6.77	6.77	6.77	6.77	6.77	6.77	6.67	6.87
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1268-1	(1)	7.59	7.59	7.59	7.59	7.59	7.59	7.49	7.69
Aroclor-1268-2	(2)	7.66	7.66	7.66	7.66	7.66	7.66	7.56	7.76
Aroclor-1268-3	(3)	7.86	7.86	7.86	7.86	7.86	7.86	7.76	7.96
Aroclor-1268-4	(4)	8.15	8.15	8.15	8.15	8.15	8.15	8.05	8.25
Aroclor-1268-5	(5)	8.45	8.44	8.45	8.45	8.45	8.45	8.35	8.55

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene	3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77

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Calibration Times: 14:06 22:16

LAB FILE ID: RT 1000 = PO112088.D RT 750 = PO112089.D
RT 500 = PO112090.D RT 250 = PO112091.D RT 050 = PO112092.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.65	8.65	8.65	8.65	8.65	8.65	8.55	8.75
Tetrachloro-m-xylene	3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: CAMP02
SDG NO.: Q2543

Calibration Date(s): 07/08/2025 07/08/2025
Calibration Times: 14:06 22:16

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

LAB FILE ID: CF 1000 = <u>PO112088.D</u> CF 750 = <u>PO112089.D</u> CF 500 = <u>PO112090.D</u> CF 250 = <u>PO112091.D</u> CF 050 = <u>PO112092.D</u>							
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	360742355	353411084	358608078	351811628	276040300	340122689
Aroclor-1016-2	(2)	524757576	513734579	527286258	524874328	395805960	497291740
Aroclor-1016-3	(3)	332829086	325012079	334990372	341827996	283910480	323714003
Aroclor-1016-4	(4)	267114546	263557440	269039266	265481824	218804880	256799591
Aroclor-1016-5	(5)	281257689	272140703	280446704	285989380	248475020	273661899
Aroclor-1260-1	(1)	515263930	514045125	524528068	524922328	427435480	501238986
Aroclor-1260-2	(2)	755458656	751801572	763083688	740918324	679411120	738134672
Aroclor-1260-3	(3)	672764264	679771911	697132702	647584436	580156380	655481939
Aroclor-1260-4	(4)	428461498	442815881	457502760	461118372	386340060	435247714
Aroclor-1260-5	(5)	1355306152	1333629501	1317199750	1298892100	1007658700	1262537241
Decachlorobiphenyl		7091695750	7147123880	7182630500	7285420480	5478354000	6837044922
Tetrachloro-m-xylene		10813397260	10474815627	10513291260	10183518000	7488479400	9894700309
Aroclor-1242-1	(1)	285009923	305769684	302587940	302628584	252187260	289636678
Aroclor-1242-2	(2)	424985528	451558340	449561854	447967952	355524300	425919595
Aroclor-1242-3	(3)	267327438	285181779	287377204	288451804	240089600	273685565
Aroclor-1242-4	(4)	217524144	232173980	231748124	232379948	212764400	225318119
Aroclor-1242-5	(5)	218416651	232437525	224522496	231546684	151431360	211670943
Decachlorobiphenyl		6979969120	7147406973	7161879360	7131310800	5658336400	6815780531
Tetrachloro-m-xylene		10047633560	10752033107	10538404740	10524037960	8582543200	10088930513
Aroclor-1248-1	(1)	231871262	227298380	227625104	251373404	196330000	226899630
Aroclor-1248-2	(2)	312226784	305819339	307255800	349605332	266719220	308325295
Aroclor-1248-3	(3)	394903515	391569029	392918442	459601740	397606080	407319761
Aroclor-1248-4	(4)	577144829	572571723	575557162	615211088	545252760	577147512
Aroclor-1248-5	(5)	391149352	391468967	390698366	435680552	342525360	390304519
Decachlorobiphenyl		7164669710	7172590053	7258610400	7568481440	5849763800	7002823081
Tetrachloro-m-xylene		10966260810	10668995880	10533016680	11674212280	8664104600	10501318050
Aroclor-1254-1	(1)	596387386	615301855	615556214	631197528	617123200	615113237
Aroclor-1254-2	(2)	526620849	541456496	538329150	552782544	519240660	535685940
Aroclor-1254-3	(3)	832372124	848375105	844598876	861920200	810621920	839577645
Aroclor-1254-4	(4)	488348458	550588549	528046518	514011204	324098800	481018706
Aroclor-1254-5	(5)	772769124	785953607	791521408	805117428	714377600	773947833
Decachlorobiphenyl		7313218520	7363897040	7524909560	7619539480	6511414600	7266595840
Tetrachloro-m-xylene		10817495530	10970019693	10749863260	10915129200	9106609200	10511823377
Aroclor-1268-1	(1)	1933697823	1961714709	1933333182	1889919492	1468606580	1837454357

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1621310763	1652283559	1624883286	1597201648	1292350600	1557605971	10
Aroclor-1268-3	(3)	1337748865	1359325231	1351894922	1337301304	1112111800	1299676424	8
Aroclor-1268-4	(4)	501678112	499381901	514040784	510400332	376538760	480407978	12
Aroclor-1268-5	(5)	3474681887	3495352783	3443761070	3349732680	2555042300	3263714144	12
Decachlorobiphenyl		13779789610	14010961973	13831208240	13686235720	10617540000	13185147109	11
Tetrachloro-m-xylene		10828416470	10960168653	10714217600	10397619080	7773509600	10134786281	13

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: CAMP02
SDG NO.: Q2543

Calibration Date(s): 07/08/2025 07/08/2025
Calibration Times: 14:06 22:16

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

LAB FILE ID:		CF 1000 =	PO112088.D	CF 750 =	PO112089.D			
CF 500 =		PO112090.D	CF 250 =	PO112091.D	CF 050 =	PO112092.D		
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	224689947	221197589	229855740	235435032	202993580	222834378	6
Aroclor-1016-2	(2)	333676696	332964816	340716574	344871116	293258760	329097592	6
Aroclor-1016-3	(3)	173220389	172286476	177510406	175323720	150993180	169866834	6
Aroclor-1016-4	(4)	133548654	134722825	140696304	141544972	135624760	137227503	3
Aroclor-1016-5	(5)	172958737	175867975	183374190	179483264	150567480	172450329	7
Aroclor-1260-1	(1)	273966572	275587577	284396370	318959696	249900320	280562107	9
Aroclor-1260-2	(2)	339471861	339883185	345098816	366340024	309189580	339996693	6
Aroclor-1260-3	(3)	285079531	283131084	293155536	294803628	221760800	275586116	11
Aroclor-1260-4	(4)	190320237	194370733	203166394	219087436	196280140	200644988	6
Aroclor-1260-5	(5)	439428363	448516680	455912584	483251276	411533840	447728549	6
Decachlorobiphenyl		1708564380	1754251880	1790007560	1862375960	1502102800	1723460516	8
Tetrachloro-m-xylene		6849689250	6688775747	6823852720	6660365320	4832613200	6371059247	14
Aroclor-1242-1	(1)	180558203	194276476	196154442	205920884	192381760	193858353	5
Aroclor-1242-2	(2)	267145812	285888559	288791934	297310352	277625120	283352355	4
Aroclor-1242-3	(3)	139388587	149896708	150012144	154353128	134735720	145677257	6
Aroclor-1242-4	(4)	132647733	142511831	143624204	149839712	140580100	141840716	4
Aroclor-1242-5	(5)	169256952	182077477	187071418	199409696	170855060	181734121	7
Decachlorobiphenyl		1694985930	1765973813	1799728340	1866433600	1579982000	1741420737	6
Tetrachloro-m-xylene		6408694870	6872035667	6730718280	6766792760	5539281400	6463504595	8
Aroclor-1248-1	(1)	148373409	146783767	149637550	173598112	153448100	154368188	7
Aroclor-1248-2	(2)	200165378	198242231	203122858	230241332	197066700	205767700	7
Aroclor-1248-3	(3)	210851108	208337667	212783398	242780584	199239520	214798455	8
Aroclor-1248-4	(4)	249491134	246252407	253519016	297759984	246611360	258726780	9
Aroclor-1248-5	(5)	244390847	243395885	250986596	299503676	214470400	250549481	12
Decachlorobiphenyl		1741004980	1773180160	1834926600	1999524800	1593214800	1788370268	8
Tetrachloro-m-xylene		6922029440	6722968493	6653358760	7457216520	5595884000	6670291443	10
Aroclor-1254-1	(1)	358701312	372366800	376618238	404921504	393233780	381168327	5
Aroclor-1254-2	(2)	309319461	318506233	325963420	350344944	354921460	331811104	6
Aroclor-1254-3	(3)	457035033	473473401	470706516	496812748	512186320	482042804	5
Aroclor-1254-4	(4)	242702235	264458053	264466114	273730492	258116740	260694727	4
Aroclor-1254-5	(5)	340856875	348898753	356048528	374047448	361929480	356356217	4
Decachlorobiphenyl		1762037980	1801047667	1852268780	1914979680	1705564000	1807179621	4
Tetrachloro-m-xylene		6812677640	6946187027	6790686340	6873927640	5937916200	6672278969	6
Aroclor-1268-1	(1)	486556055	496283868	499490630	514433332	460511800	491455137	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	414074889	422901423	425132138	438633692	385189960	417186420	5
Aroclor-1268-3	(3)	309607188	317937561	322370012	335163612	296865480	316388771	5
Aroclor-1268-4	(4)	111375490	114260995	115590378	117536984	98796160	111512001	7
Aroclor-1268-5	(5)	736492551	750146037	748798464	755249104	641904560	726518143	7
Decachlorobiphenyl		3139191470	3230861547	3253774420	3306379000	2721463200	3130333927	8
Tetrachloro-m-xylene		6732535870	6829120120	6762174400	6573365120	5117275800	6402894262	11

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2543

Instrument ID: ECD_O Date(s) Analyzed: 07/08/2025 07/08/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.88	3.78	3.98	116614000
		2	3.97	3.87	4.07	78840600
		3	4.05	3.95	4.15	269582000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.05	3.95	4.15	214668000
		2	4.54	4.44	4.64	113637000
		3	4.78	4.68	4.88	229008000
		4	4.96	4.86	5.06	114297000
		5	5.00	4.90	5.10	73400200
Aroclor-1262	500	1	6.81	6.71	6.91	1021690000
		2	7.31	7.21	7.41	1639370000
		3	7.59	7.49	7.69	641976000
		4	7.66	7.56	7.76	1071430000
		5	8.15	8.05	8.25	448140000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2543

Instrument ID: ECD_O Date(s) Analyzed: 07/08/2025 07/08/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.88	3.78	3.98	82295000
		2	3.96	3.86	4.06	59353600
		3	4.04	3.94	4.14	188777000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.04	3.94	4.14	150099000
		2	4.76	4.66	4.86	153086000
		3	4.94	4.84	5.04	75506000
		4	5.02	4.92	5.12	65988200
		5	5.19	5.09	5.29	74260000
Aroclor-1262	500	1	6.77	6.67	6.87	407320000
		2	7.27	7.17	7.37	512548000
		3	7.55	7.45	7.65	179524000
		4	7.62	7.52	7.72	290920000
		5	8.11	8.01	8.21	105784000

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Contract: **CAMP02**

SDG NO.: Q2543

Calibration Date(s): **07/07/2025** **07/08/2025**

Calibration Times: 21:03 04:24

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

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.18	10.18	10.18	10.17	10.18	10.18	10.08	10.28
Tetrachloro-m-xylene	4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59

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Contract: **CAMP02**

SDG NO.: Q2543

Calibration Date(s): **07/07/2025** **07/08/2025**

Calibration Times: 21:03 04:24

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene	3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: CAMP02
SDG NO.: Q2543

Calibration Date(s): 07/07/2025 07/08/2025
Calibration Times: 21:03 04:24

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

LAB FILE ID:								
CF 1000 = PP073554.D		CF 750 = PP073555.D						
CF 500 = PP073556.D		CF 250 = PP073557.D		CF 050 = PP073558.D				
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	42452248	45617859	47138872	50511676	51847220	47513575	8
Aroclor-1016-2	(2)	66518124	70141979	72048808	76716636	70648900	71214889	5
Aroclor-1016-3	(3)	39961628	42046196	44162638	46389840	45755080	43663076	6
Aroclor-1016-4	(4)	33606097	35475740	36592056	38460728	35593260	35945576	5
Aroclor-1016-5	(5)	30910810	31971305	32786356	34274032	26709560	31330413	9
Aroclor-1260-1	(1)	55735594	57789364	59663732	63324028	58293500	58961244	5
Aroclor-1260-2	(2)	82256765	86873544	90393892	97973444	121701660	95839861	15
Aroclor-1260-3	(3)	71122512	73727981	74691298	76804056	69007300	73070629	4
Aroclor-1260-4	(4)	63951646	66011447	66730410	69035472	60770420	65299879	5
Aroclor-1260-5	(5)	147606205	151816095	154896322	160840336	139104740	150852740	5
Decachlorobiphenyl		1075002490	1114272707	1146110620	1163852360	956024000	1091052435	8
Tetrachloro-m-xylene		1314627420	1370591720	1413189460	1469047800	1280173600	1369526000	6
Aroclor-1242-1	(1)	37824570	38531545	40764028	42347748	31473220	38188222	10
Aroclor-1242-2	(2)	59433539	58987884	63134254	65007836	52846680	59882039	7
Aroclor-1242-3	(3)	35307728	35832168	38067086	39311740	34585840	36620912	5
Aroclor-1242-4	(4)	29431539	30211543	31738592	32275500	37022940	32136023	9
Aroclor-1242-5	(5)	31742412	31628361	33353228	35089048	31871320	32736874	4
Decachlorobiphenyl		1095703140	1117596867	1144519060	1154694600	992628000	1101028333	6
Tetrachloro-m-xylene		1336424670	1349665200	1427212360	1438929280	1262569400	1362960182	5
Aroclor-1248-1	(1)	29290065	30340729	31459936	34321104	28940820	30870531	7
Aroclor-1248-2	(2)	37625323	39736876	40535254	44074952	37644360	39923353	6
Aroclor-1248-3	(3)	43927993	45846956	46075290	48569104	37628800	44409629	9
Aroclor-1248-4	(4)	53376796	55925132	57147446	59774616	49178580	55080514	7
Aroclor-1248-5	(5)	51803368	53704276	55758942	57942584	49744040	53790642	6
Decachlorobiphenyl		1098016930	1133084880	1145143920	1172914800	889666400	1087765386	10
Tetrachloro-m-xylene		1321954420	1371326347	1415433040	1456874560	1240770200	1361271713	6
Aroclor-1254-1	(1)	50900598	53159759	55209204	57116384	51561700	53589529	5
Aroclor-1254-2	(2)	77237012	80519573	82538946	86348708	89800160	83288880	6
Aroclor-1254-3	(3)	83677544	86010903	88492372	92072040	91405580	88331688	4
Aroclor-1254-4	(4)	74438148	76222969	79592040	81854844	81227180	78667036	4
Aroclor-1254-5	(5)	71888659	74572743	74620102	76347748	70969780	73679806	3
Decachlorobiphenyl		1107439250	1132832533	1145288580	1145076280	1133429800	1132813289	1
Tetrachloro-m-xylene		1351624000	1395660893	1401155480	1465561640	1387618000	1400324003	3
Aroclor-1268-1	(1)	220572869	225132533	228083942	237689468	204639620	223223686	5

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	188785361	192061012	194228718	202923360	174527620	190505214	5
Aroclor-1268-3	(3)	161320167	164379476	166708106	175220108	160250740	165575719	3
Aroclor-1268-4	(4)	68937885	69804631	69558114	75087068	64331720	69543884	5
Aroclor-1268-5	(5)	477643268	472782711	485154758	497337016	371889540	460961459	10
Decachlorobiphenyl		1977874930	2021254947	2057047680	2189262080	1794844800	2008056887	7
Tetrachloro-m-xylene		1351774000	1390310400	1415817780	1495349000	1314096000	1393469436	5

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: CAMP02
SDG NO.: Q2543

Calibration Date(s): 07/07/2025 07/08/2025
Calibration Times: 21:03 04:24

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

LAB FILE ID:								
CF 1000 =		PP073554.D		CF 750 =		PP073555.D		
CF 500 =		PP073556.D		CF 250 =		PP073557.D		
CF 050 =		PP073558.D		CF 050 =		PP073558.D		
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	63548895	66956692	68520980	73175628	68671440	68174727	5
Aroclor-1016-2	(2)	95987811	99810097	102589296	109872788	101161940	101884386	5
Aroclor-1016-3	(3)	50406684	53112144	54849034	57930668	54233060	54106318	5
Aroclor-1016-4	(4)	39688708	42104989	43896956	47040184	46673360	43880839	7
Aroclor-1016-5	(5)	50298801	53487816	55660288	59272232	54193420	54582511	6
Aroclor-1260-1	(1)	89335231	94510516	99471332	104207304	100277120	97560301	6
Aroclor-1260-2	(2)	113000947	118559808	124003550	129850992	128772620	122837583	5
Aroclor-1260-3	(3)	102918015	108414332	112293296	117668340	106025080	109463813	5
Aroclor-1260-4	(4)	82942909	90440599	92349274	96325208	84984160	89408430	6
Aroclor-1260-5	(5)	218347404	234684793	232225124	233707816	204717920	224736611	5
Decachlorobiphenyl		1288482360	1338938240	1324505420	1466524480	1197294400	1323148980	7
Tetrachloro-m-xylene		1774031450	1893159427	1873404460	1944042160	1726825000	1842292499	5
Aroclor-1242-1	(1)	53636877	56644489	60339480	62120840	56082120	57764761	6
Aroclor-1242-2	(2)	81745742	82323689	88927402	91756504	87517600	86454187	5
Aroclor-1242-3	(3)	43191003	44194741	47579930	48843488	45924140	45946660	5
Aroclor-1242-4	(4)	40719317	41867060	45117014	46860680	46752460	44263306	6
Aroclor-1242-5	(5)	53173633	53609452	57067394	58584716	53777140	55242467	4
Decachlorobiphenyl		1306642480	1369985587	1353011840	1407476720	1194819200	1326387165	6
Tetrachloro-m-xylene		1787240920	1786937067	1893455580	1997751320	1666197200	1826316417	7
Aroclor-1248-1	(1)	41993150	43590469	45185544	49843992	43861300	44894891	6
Aroclor-1248-2	(2)	55737799	58586344	61889020	66706936	64762540	61536528	7
Aroclor-1248-3	(3)	58429721	61323012	64407590	69469512	66692820	64064531	6
Aroclor-1248-4	(4)	68661033	72026459	75308372	81734520	79156680	75377413	7
Aroclor-1248-5	(5)	69725277	73210425	76423314	81696724	71898780	74590904	6
Decachlorobiphenyl		1298382400	1392805453	1360355620	1440840840	1158845800	1330246023	8
Tetrachloro-m-xylene		1855486030	1865559853	1910416600	1967065360	1674658000	1854637169	6
Aroclor-1254-1	(1)	105364555	111697468	112323806	121711620	129052960	116030082	8
Aroclor-1254-2	(2)	90612135	96205700	96079760	105129084	115091100	100623556	9
Aroclor-1254-3	(3)	142515413	152219476	152099148	162118636	163279600	154446455	5
Aroclor-1254-4	(4)	86996505	93901768	94351020	100389560	97157080	94559187	5
Aroclor-1254-5	(5)	123596587	131044949	130737444	141046724	140798600	133444861	5
Decachlorobiphenyl		1348192280	1398430560	1372338640	1507697520	1377457800	1400823360	4
Tetrachloro-m-xylene		1809940380	1949806187	1892015400	1932532480	1944382600	1905735409	3
Aroclor-1268-1	(1)	290584667	307587391	307795276	323603296	307313580	307376842	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	254148086	267727805	267575410	282961968	256026000	265687854	4
Aroclor-1268-3	(3)	211648098	225837245	227309934	242217372	220889640	225580458	5
Aroclor-1268-4	(4)	89640321	95098047	95218176	99881904	85000720	92967834	6
Aroclor-1268-5	(5)	595257746	637650785	622434144	650778188	576631820	616550537	5
Decachlorobiphenyl		2396229270	2556860227	2535017940	2683507840	2355689000	2505460855	5
Tetrachloro-m-xylene		1866286350	1953909840	1937791560	2021719520	1790813600	1914104174	5

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2543

Instrument ID: ECD_P Date(s) Analyzed: 07/07/2025 07/08/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.69	4.59	4.79	17866400
		2	4.78	4.68	4.88	13504500
		3	4.85	4.75	4.95	41604800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.85	4.75	4.95	32650800
		2	5.37	5.27	5.47	16254700
		3	5.66	5.56	5.76	32993400
		4	5.82	5.72	5.92	16445200
		5	5.91	5.81	6.01	10570400
Aroclor-1262	500	1	8.07	7.97	8.17	87027200
		2	8.38	8.28	8.48	198028000
		3	8.70	8.60	8.80	125725000
		4	8.78	8.68	8.88	93262800
		5	9.43	9.33	9.53	63389400

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2543

Instrument ID: ECD_P Date(s) Analyzed: 07/07/2025 07/08/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.99	3.89	4.09	27045000
		2	4.08	3.98	4.18	20360400
		3	4.15	4.05	4.25	61448600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.15	4.05	4.25	46614400
		2	4.88	4.78	4.98	47659800
		3	5.05	4.95	5.15	25029000
		4	5.14	5.04	5.24	21656200
		5	5.31	5.21	5.41	22563400
Aroclor-1262	500	1	6.89	6.79	6.99	147692000
		2	7.15	7.05	7.25	127829000
		3	7.67	7.57	7.77	114019000
		4	7.74	7.64	7.84	184049000
		5	8.23	8.13	8.33	84435600

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Continuing Calib Date: 07/10/2025

Initial Calibration Date(s): 07/08/2025 07/08/2025

Continuing Calib Time: 09:55

Initial Calibration Time(s): 14:06 22:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.83	4.84	4.74	4.94	0.01
Aroclor-1016-4	(4)	4.95	4.96	4.86	5.06	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.25	6.25	6.15	6.35	0.00
Aroclor-1260-2	(2)	6.44	6.44	6.34	6.54	0.00
Aroclor-1260-3	(3)	6.80	6.81	6.71	6.91	0.01
Aroclor-1260-4	(4)	7.06	7.07	6.97	7.17	0.01
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.00
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.00
Decachlorobiphenyl		8.70	8.70	8.60	8.80	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Continuing Calib Date: 07/10/2025

Initial Calibration Date(s): 07/08/2025

07/08/2025

Continuing Calib Time: 09:55

Initial Calibration Time(s): 14:06

22:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.74	4.76	4.66	4.86	0.02
Aroclor-1016-2	(2)	4.76	4.78	4.68	4.88	0.02
Aroclor-1016-3	(3)	4.93	4.95	4.85	5.05	0.02
Aroclor-1016-4	(4)	4.98	5.00	4.90	5.10	0.02
Aroclor-1016-5	(5)	5.19	5.21	5.11	5.31	0.02
Aroclor-1260-1	(1)	6.22	6.24	6.14	6.34	0.02
Aroclor-1260-2	(2)	6.41	6.43	6.33	6.53	0.02
Aroclor-1260-3	(3)	6.56	6.58	6.48	6.68	0.02
Aroclor-1260-4	(4)	7.03	7.05	6.95	7.15	0.02
Aroclor-1260-5	(5)	7.27	7.29	7.19	7.39	0.02
Tetrachloro-m-xylene		3.67	3.68	3.58	3.78	0.02
Decachlorobiphenyl		8.65	8.67	8.57	8.77	0.02

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2543
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/10/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO112181.D **Time Analyzed:** 09:55

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.758	4.661	4.861	499.430	500.000	-0.1
Aroclor-1016-2	4.776	4.680	4.880	513.210	500.000	2.6
Aroclor-1016-3	4.833	4.736	4.936	498.860	500.000	-0.2
Aroclor-1016-4	4.953	4.856	5.056	510.770	500.000	2.2
Aroclor-1016-5	5.210	5.113	5.313	515.740	500.000	3.1
Aroclor-1260-1	6.248	6.151	6.351	497.790	500.000	-0.4
Aroclor-1260-2	6.437	6.341	6.541	503.840	500.000	0.8
Aroclor-1260-3	6.803	6.707	6.907	498.140	500.000	-0.4
Aroclor-1260-4	7.063	6.967	7.167	519.110	500.000	3.8
Aroclor-1260-5	7.306	7.209	7.409	534.810	500.000	7.0
Decachlorobiphenyl	8.699	8.603	8.803	53.080	50.000	6.2
Tetrachloro-m-xylene	3.670	3.573	3.773	52.160	50.000	4.3

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2543
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/10/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO112181.D **Time Analyzed:** 09:55

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.740	4.661	4.861	459.390	500.000	-8.1
Aroclor-1016-2	4.759	4.679	4.879	466.230	500.000	-6.8
Aroclor-1016-3	4.934	4.854	5.054	476.460	500.000	-4.7
Aroclor-1016-4	4.977	4.897	5.097	472.030	500.000	-5.6
Aroclor-1016-5	5.189	5.109	5.309	497.890	500.000	-0.4
Aroclor-1260-1	6.218	6.138	6.338	489.330	500.000	-2.1
Aroclor-1260-2	6.406	6.326	6.526	492.960	500.000	-1.4
Aroclor-1260-3	6.558	6.478	6.678	505.180	500.000	1.0
Aroclor-1260-4	7.028	6.948	7.148	472.680	500.000	-5.5
Aroclor-1260-5	7.269	7.190	7.390	474.810	500.000	-5.0
Decachlorobiphenyl	8.647	8.568	8.768	50.630	50.000	1.3
Tetrachloro-m-xylene	3.665	3.584	3.784	49.470	50.000	-1.1

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Continuing Calib Date: 07/10/2025

Initial Calibration Date(s): 07/08/2025 07/08/2025

Continuing Calib Time: 17:18

Initial Calibration Time(s): 14:06 22:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.83	4.84	4.74	4.94	0.01
Aroclor-1016-4	(4)	4.95	4.96	4.86	5.06	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.25	6.25	6.15	6.35	0.00
Aroclor-1260-2	(2)	6.44	6.44	6.34	6.54	0.00
Aroclor-1260-3	(3)	6.81	6.81	6.71	6.91	0.01
Aroclor-1260-4	(4)	7.06	7.07	6.97	7.17	0.01
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.00
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.00
Decachlorobiphenyl		8.70	8.70	8.60	8.80	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Continuing Calib Date: 07/10/2025

Initial Calibration Date(s): 07/08/2025 07/08/2025

Continuing Calib Time: 17:18

Initial Calibration Time(s): 14:06 22:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.74	4.76	4.66	4.86	0.02
Aroclor-1016-2	(2)	4.76	4.78	4.68	4.88	0.02
Aroclor-1016-3	(3)	4.93	4.95	4.85	5.05	0.02
Aroclor-1016-4	(4)	4.98	5.00	4.90	5.10	0.02
Aroclor-1016-5	(5)	5.19	5.21	5.11	5.31	0.02
Aroclor-1260-1	(1)	6.22	6.24	6.14	6.34	0.02
Aroclor-1260-2	(2)	6.41	6.43	6.33	6.53	0.02
Aroclor-1260-3	(3)	6.56	6.58	6.48	6.68	0.02
Aroclor-1260-4	(4)	7.03	7.05	6.95	7.15	0.02
Aroclor-1260-5	(5)	7.27	7.29	7.19	7.39	0.02
Tetrachloro-m-xylene		3.66	3.68	3.58	3.78	0.02
Decachlorobiphenyl		8.65	8.67	8.57	8.77	0.02

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2543
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/10/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO112196.D **Time Analyzed:** 17:18

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.759	4.661	4.861	560.040	500.000	12.0
Aroclor-1016-2	4.777	4.680	4.880	560.420	500.000	12.1
Aroclor-1016-3	4.834	4.736	4.936	543.320	500.000	8.7
Aroclor-1016-4	4.954	4.856	5.056	558.410	500.000	11.7
Aroclor-1016-5	5.212	5.113	5.313	536.860	500.000	7.4
Aroclor-1260-1	6.249	6.151	6.351	475.630	500.000	-4.9
Aroclor-1260-2	6.439	6.341	6.541	413.920	500.000	-17.2
Aroclor-1260-3	6.805	6.707	6.907	406.480	500.000	-18.7
Aroclor-1260-4	7.064	6.967	7.167	472.020	500.000	-5.6
Aroclor-1260-5	7.308	7.209	7.409	430.670	500.000	-13.9
Decachlorobiphenyl	8.701	8.603	8.803	38.770	50.000	-22.5
Tetrachloro-m-xylene	3.672	3.573	3.773	59.100	50.000	18.2

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2543
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/10/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO112196.D **Time Analyzed:** 17:18

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.740	4.661	4.861	537.020	500.000	7.4
Aroclor-1016-2	4.759	4.679	4.879	515.100	500.000	3.0
Aroclor-1016-3	4.934	4.854	5.054	531.360	500.000	6.3
Aroclor-1016-4	4.977	4.897	5.097	515.570	500.000	3.1
Aroclor-1016-5	5.188	5.109	5.309	554.910	500.000	11.0
Aroclor-1260-1	6.218	6.138	6.338	462.920	500.000	-7.4
Aroclor-1260-2	6.406	6.326	6.526	459.680	500.000	-8.1
Aroclor-1260-3	6.558	6.478	6.678	452.360	500.000	-9.5
Aroclor-1260-4	7.027	6.948	7.148	420.160	500.000	-16.0
Aroclor-1260-5	7.269	7.190	7.390	432.610	500.000	-13.5
Decachlorobiphenyl	8.648	8.568	8.768	44.850	50.000	-10.3
Tetrachloro-m-xylene	3.664	3.584	3.784	56.840	50.000	13.7

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Continuing Calib Date: 07/10/2025

Initial Calibration Date(s): 07/07/2025 07/08/2025

Continuing Calib Time: 09:22

Initial Calibration Time(s): 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.64	5.64	5.54	5.74	0.00
Aroclor-1016-2	(2)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-3	(3)	5.72	5.72	5.62	5.82	0.00
Aroclor-1016-4	(4)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-5	(5)	6.11	6.11	6.01	6.21	0.00
Aroclor-1260-1	(1)	7.23	7.23	7.13	7.33	0.00
Aroclor-1260-2	(2)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-3	(3)	7.84	7.84	7.74	7.94	0.00
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.49	4.49	4.39	4.59	0.00
Decachlorobiphenyl		10.17	10.18	10.08	10.28	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Continuing Calib Date: 07/10/2025

Initial Calibration Date(s): 07/07/2025

07/08/2025

Continuing Calib Time: 09:22

Initial Calibration Time(s): 21:03

04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.86	4.86	4.76	4.96	0.00
Aroclor-1016-2	(2)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-5	(5)	5.31	5.31	5.21	5.41	0.01
Aroclor-1260-1	(1)	6.34	6.34	6.24	6.44	0.00
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.68	6.68	6.58	6.78	0.00
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.39	7.39	7.29	7.49	0.00
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.78	8.78	8.68	8.88	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2543
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/10/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP073691.D **Time Analyzed:** 09:22

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.638	5.539	5.739	472.060	500.000	-5.6
Aroclor-1016-2	5.659	5.560	5.760	493.380	500.000	-1.3
Aroclor-1016-3	5.721	5.622	5.822	489.480	500.000	-2.1
Aroclor-1016-4	5.819	5.720	5.920	499.970	500.000	0.0
Aroclor-1016-5	6.111	6.012	6.212	522.700	500.000	4.5
Aroclor-1260-1	7.228	7.129	7.329	491.200	500.000	-1.8
Aroclor-1260-2	7.481	7.383	7.583	421.210	500.000	-15.8
Aroclor-1260-3	7.839	7.740	7.940	468.730	500.000	-6.3
Aroclor-1260-4	8.063	7.964	8.164	484.890	500.000	-3.0
Aroclor-1260-5	8.380	8.283	8.483	477.770	500.000	-4.4
Decachlorobiphenyl	10.174	10.076	10.276	50.150	50.000	0.3
Tetrachloro-m-xylene	4.488	4.388	4.588	50.060	50.000	0.1

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2543
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/10/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP073691.D **Time Analyzed:** 09:22

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.856	4.758	4.958	502.710	500.000	0.5
Aroclor-1016-2	4.873	4.775	4.975	500.290	500.000	0.1
Aroclor-1016-3	5.050	4.951	5.151	509.040	500.000	1.8
Aroclor-1016-4	5.091	4.993	5.193	505.520	500.000	1.1
Aroclor-1016-5	5.305	5.207	5.407	528.100	500.000	5.6
Aroclor-1260-1	6.335	6.237	6.437	522.390	500.000	4.5
Aroclor-1260-2	6.524	6.425	6.625	534.750	500.000	7.0
Aroclor-1260-3	6.675	6.577	6.777	521.300	500.000	4.3
Aroclor-1260-4	7.144	7.046	7.246	532.670	500.000	6.5
Aroclor-1260-5	7.386	7.289	7.489	525.960	500.000	5.2
Decachlorobiphenyl	8.777	8.680	8.880	57.890	50.000	15.8
Tetrachloro-m-xylene	3.778	3.678	3.878	50.320	50.000	0.6

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Continuing Calib Date: 07/10/2025

Initial Calibration Date(s): 07/07/2025

07/08/2025

Continuing Calib Time: 15:50

Initial Calibration Time(s): 21:03

04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.64	5.64	5.54	5.74	0.00
Aroclor-1016-2	(2)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-3	(3)	5.72	5.72	5.62	5.82	0.00
Aroclor-1016-4	(4)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-5	(5)	6.11	6.11	6.01	6.21	0.00
Aroclor-1260-1	(1)	7.23	7.23	7.13	7.33	0.00
Aroclor-1260-2	(2)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-3	(3)	7.84	7.84	7.74	7.94	0.00
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.49	4.49	4.39	4.59	0.00
Decachlorobiphenyl		10.17	10.18	10.08	10.28	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Continuing Calib Date: 07/10/2025

Initial Calibration Date(s): 07/07/2025 07/08/2025

Continuing Calib Time: 15:50

Initial Calibration Time(s): 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.86	4.86	4.76	4.96	0.00
Aroclor-1016-2	(2)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-5	(5)	5.31	5.31	5.21	5.41	0.00
Aroclor-1260-1	(1)	6.34	6.34	6.24	6.44	0.00
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.68	6.68	6.58	6.78	0.00
Aroclor-1260-4	(4)	7.15	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.39	7.39	7.29	7.49	0.00
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.78	8.78	8.68	8.88	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2543
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/10/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP073705.D **Time Analyzed:** 15:50

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.638	5.539	5.739	457.300	500.000	-8.5
Aroclor-1016-2	5.660	5.560	5.760	473.030	500.000	-5.4
Aroclor-1016-3	5.722	5.622	5.822	477.830	500.000	-4.4
Aroclor-1016-4	5.819	5.720	5.920	490.940	500.000	-1.8
Aroclor-1016-5	6.111	6.012	6.212	498.030	500.000	-0.4
Aroclor-1260-1	7.228	7.129	7.329	457.580	500.000	-8.5
Aroclor-1260-2	7.482	7.383	7.583	396.380	500.000	-20.7
Aroclor-1260-3	7.840	7.740	7.940	442.240	500.000	-11.6
Aroclor-1260-4	8.063	7.964	8.164	447.850	500.000	-10.4
Aroclor-1260-5	8.381	8.283	8.483	458.600	500.000	-8.3
Decachlorobiphenyl	10.174	10.076	10.276	47.000	50.000	-6.0
Tetrachloro-m-xylene	4.488	4.388	4.588	50.640	50.000	1.3

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2543
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/10/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP073705.D **Time Analyzed:** 15:50

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.856	4.758	4.958	511.240	500.000	2.2
Aroclor-1016-2	4.874	4.775	4.975	511.870	500.000	2.4
Aroclor-1016-3	5.051	4.951	5.151	514.240	500.000	2.8
Aroclor-1016-4	5.092	4.993	5.193	508.640	500.000	1.7
Aroclor-1016-5	5.306	5.207	5.407	555.300	500.000	11.1
Aroclor-1260-1	6.335	6.237	6.437	473.360	500.000	-5.3
Aroclor-1260-2	6.524	6.425	6.625	481.990	500.000	-3.6
Aroclor-1260-3	6.676	6.577	6.777	455.070	500.000	-9.0
Aroclor-1260-4	7.145	7.046	7.246	462.000	500.000	-7.6
Aroclor-1260-5	7.387	7.289	7.489	457.020	500.000	-8.6
Decachlorobiphenyl	8.778	8.680	8.880	50.480	50.000	1.0
Tetrachloro-m-xylene	3.778	3.678	3.878	51.390	50.000	2.8

Analytical Sequence

Client: CDM Smith	SDG No.: Q2543
Project: South River WM Replacement	Instrument ID: ECD_O
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 07/08/2025 07/08/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	07/08/2025	13:49	PO112087.D	8.70	3.67
AR1660ICC1000	AR1660ICC1000	07/08/2025	14:06	PO112088.D	8.70	3.67
AR1660ICC750	AR1660ICC750	07/08/2025	14:25	PO112089.D	8.70	3.67
AR1660ICC500	AR1660ICC500	07/08/2025	14:43	PO112090.D	8.70	3.67
AR1660ICC250	AR1660ICC250	07/08/2025	15:02	PO112091.D	8.70	3.67
AR1660ICC050	AR1660ICC050	07/08/2025	15:21	PO112092.D	8.70	3.67
AR1221ICC500	AR1221ICC500	07/08/2025	15:38	PO112093.D	8.70	3.67
AR1232ICC500	AR1232ICC500	07/08/2025	15:57	PO112094.D	8.70	3.67
AR1242ICC1000	AR1242ICC1000	07/08/2025	16:15	PO112095.D	8.70	3.67
AR1242ICC750	AR1242ICC750	07/08/2025	16:34	PO112096.D	8.70	3.67
AR1242ICC500	AR1242ICC500	07/08/2025	16:52	PO112097.D	8.70	3.67
AR1242ICC250	AR1242ICC250	07/08/2025	17:11	PO112098.D	8.70	3.67
AR1242ICC050	AR1242ICC050	07/08/2025	17:29	PO112099.D	8.70	3.67
AR1248ICC1000	AR1248ICC1000	07/08/2025	17:48	PO112100.D	8.70	3.67
AR1248ICC750	AR1248ICC750	07/08/2025	18:05	PO112101.D	8.70	3.67
AR1248ICC500	AR1248ICC500	07/08/2025	18:24	PO112102.D	8.70	3.67
AR1248ICC250	AR1248ICC250	07/08/2025	18:41	PO112103.D	8.70	3.67
AR1248ICC050	AR1248ICC050	07/08/2025	18:59	PO112104.D	8.70	3.67
AR1254ICC1000	AR1254ICC1000	07/08/2025	19:18	PO112105.D	8.70	3.67
AR1254ICC750	AR1254ICC750	07/08/2025	19:35	PO112106.D	8.70	3.67
AR1254ICC500	AR1254ICC500	07/08/2025	19:54	PO112107.D	8.70	3.67
AR1254ICC250	AR1254ICC250	07/08/2025	20:11	PO112108.D	8.70	3.67
AR1254ICC050	AR1254ICC050	07/08/2025	20:28	PO112109.D	8.70	3.67
AR1262ICC500	AR1262ICC500	07/08/2025	20:47	PO112110.D	8.70	3.67
AR1268ICC1000	AR1268ICC1000	07/08/2025	21:04	PO112111.D	8.70	3.67
AR1268ICC750	AR1268ICC750	07/08/2025	21:22	PO112112.D	8.70	3.67
AR1268ICC500	AR1268ICC500	07/08/2025	21:39	PO112113.D	8.70	3.67
AR1268ICC250	AR1268ICC250	07/08/2025	21:57	PO112114.D	8.70	3.67
AR1268ICC050	AR1268ICC050	07/08/2025	22:16	PO112115.D	8.70	3.67
AR1660CCC500	AR1660CCC500	07/10/2025	09:55	PO112181.D	8.70	3.67
IBLK	IBLK	07/10/2025	11:08	PO112185.D	8.70	3.67
TP-41	Q2543-01	07/10/2025	14:40	PO112190.D	8.70	3.67
TP-49	Q2543-02	07/10/2025	14:58	PO112191.D	8.70	3.67
TP-23	Q2543-03	07/10/2025	15:15	PO112192.D	8.70	3.67
TP-23-99	Q2543-04	07/10/2025	15:32	PO112193.D	8.70	3.67
AR1660CCC500	AR1660CCC500	07/10/2025	17:18	PO112196.D	8.70	3.67
IBLK	IBLK	07/10/2025	19:05	PO112200.D	8.70	3.67
IBLK	IBLK	07/07/2025	20:30	PP073553.D	10.18	4.49
AR1660ICC1000	AR1660ICC1000	07/07/2025	21:03	PP073554.D	10.18	4.49
AR1660ICC750	AR1660ICC750	07/07/2025	21:19	PP073555.D	10.18	4.49
AR1660ICC500	AR1660ICC500	07/07/2025	21:35	PP073556.D	10.18	4.49
AR1660ICC250	AR1660ICC250	07/07/2025	21:52	PP073557.D	10.18	4.49

Analytical Sequence

AR1660ICC050	AR1660ICC050	07/07/2025	22:08	PP073558.D	10.17	4.49
AR1221ICC500	AR1221ICC500	07/07/2025	22:24	PP073559.D	10.18	4.49
AR1232ICC500	AR1232ICC500	07/07/2025	22:41	PP073560.D	10.18	4.49
AR1242ICC1000	AR1242ICC1000	07/07/2025	22:57	PP073561.D	10.18	4.49
AR1242ICC750	AR1242ICC750	07/07/2025	23:14	PP073562.D	10.18	4.49
AR1242ICC500	AR1242ICC500	07/07/2025	23:30	PP073563.D	10.17	4.49
AR1242ICC250	AR1242ICC250	07/07/2025	23:46	PP073564.D	10.18	4.49
AR1242ICC050	AR1242ICC050	07/08/2025	00:03	PP073565.D	10.17	4.49
AR1248ICC1000	AR1248ICC1000	07/08/2025	00:19	PP073566.D	10.18	4.49
AR1248ICC750	AR1248ICC750	07/08/2025	00:35	PP073567.D	10.18	4.49
AR1248ICC500	AR1248ICC500	07/08/2025	00:52	PP073568.D	10.17	4.49
AR1248ICC250	AR1248ICC250	07/08/2025	01:08	PP073569.D	10.18	4.49
AR1248ICC050	AR1248ICC050	07/08/2025	01:25	PP073570.D	10.17	4.49
AR1254ICC1000	AR1254ICC1000	07/08/2025	01:41	PP073571.D	10.18	4.49
AR1254ICC750	AR1254ICC750	07/08/2025	01:57	PP073572.D	10.18	4.49
AR1254ICC500	AR1254ICC500	07/08/2025	02:14	PP073573.D	10.17	4.49
AR1254ICC250	AR1254ICC250	07/08/2025	02:30	PP073574.D	10.18	4.49
AR1254ICC050	AR1254ICC050	07/08/2025	02:46	PP073575.D	10.18	4.49
AR1262ICC500	AR1262ICC500	07/08/2025	03:03	PP073576.D	10.18	4.49
AR1268ICC1000	AR1268ICC1000	07/08/2025	03:19	PP073577.D	10.18	4.49
AR1268ICC750	AR1268ICC750	07/08/2025	03:35	PP073578.D	10.18	4.49
AR1268ICC500	AR1268ICC500	07/08/2025	03:52	PP073579.D	10.18	4.49
AR1268ICC250	AR1268ICC250	07/08/2025	04:08	PP073580.D	10.17	4.49
AR1268ICC050	AR1268ICC050	07/08/2025	04:24	PP073581.D	10.18	4.49
AR1660CCC500	AR1660CCC500	07/10/2025	09:22	PP073691.D	10.17	4.49
IBLK	IBLK	07/10/2025	10:29	PP073695.D	10.17	4.49
PB168783BL	PB168783BL	07/10/2025	13:39	PP073700.D	10.17	4.49
PB168783BS	PB168783BS	07/10/2025	13:55	PP073701.D	10.17	4.48
TR-04-07092025MS	Q2537-01MS	07/10/2025	14:28	PP073703.D	10.17	4.48
TR-04-07092025MSD	Q2537-01MSD	07/10/2025	14:45	PP073704.D	10.17	4.49
AR1660CCC500	AR1660CCC500	07/10/2025	15:50	PP073705.D	10.17	4.49
IBLK	IBLK	07/10/2025	16:56	PP073709.D	10.17	4.49

Analytical Sequence

Client: CDM Smith	SDG No.: Q2543	
Project: South River WM Replacement	Instrument ID: ECD_O	
GC Column: ZB-MR2	ID: 0.32 (mm)	Inst. Calib. Date(s): 07/08/2025 07/08/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	07/08/2025	13:49	PO112087.D	8.65	3.67
AR1660ICC1000	AR1660ICC1000	07/08/2025	14:06	PO112088.D	8.65	3.67
AR1660ICC750	AR1660ICC750	07/08/2025	14:25	PO112089.D	8.65	3.67
AR1660ICC500	AR1660ICC500	07/08/2025	14:43	PO112090.D	8.67	3.68
AR1660ICC250	AR1660ICC250	07/08/2025	15:02	PO112091.D	8.65	3.67
AR1660ICC050	AR1660ICC050	07/08/2025	15:21	PO112092.D	8.65	3.67
AR1221ICC500	AR1221ICC500	07/08/2025	15:38	PO112093.D	8.65	3.67
AR1232ICC500	AR1232ICC500	07/08/2025	15:57	PO112094.D	8.65	3.67
AR1242ICC1000	AR1242ICC1000	07/08/2025	16:15	PO112095.D	8.65	3.67
AR1242ICC750	AR1242ICC750	07/08/2025	16:34	PO112096.D	8.65	3.67
AR1242ICC500	AR1242ICC500	07/08/2025	16:52	PO112097.D	8.65	3.67
AR1242ICC250	AR1242ICC250	07/08/2025	17:11	PO112098.D	8.65	3.67
AR1242ICC050	AR1242ICC050	07/08/2025	17:29	PO112099.D	8.65	3.67
AR1248ICC1000	AR1248ICC1000	07/08/2025	17:48	PO112100.D	8.65	3.67
AR1248ICC750	AR1248ICC750	07/08/2025	18:05	PO112101.D	8.65	3.67
AR1248ICC500	AR1248ICC500	07/08/2025	18:24	PO112102.D	8.65	3.67
AR1248ICC250	AR1248ICC250	07/08/2025	18:41	PO112103.D	8.65	3.67
AR1248ICC050	AR1248ICC050	07/08/2025	18:59	PO112104.D	8.65	3.67
AR1254ICC1000	AR1254ICC1000	07/08/2025	19:18	PO112105.D	8.65	3.67
AR1254ICC750	AR1254ICC750	07/08/2025	19:35	PO112106.D	8.65	3.67
AR1254ICC500	AR1254ICC500	07/08/2025	19:54	PO112107.D	8.65	3.67
AR1254ICC250	AR1254ICC250	07/08/2025	20:11	PO112108.D	8.65	3.67
AR1254ICC050	AR1254ICC050	07/08/2025	20:28	PO112109.D	8.65	3.67
AR1262ICC500	AR1262ICC500	07/08/2025	20:47	PO112110.D	8.65	3.67
AR1268ICC1000	AR1268ICC1000	07/08/2025	21:04	PO112111.D	8.65	3.67
AR1268ICC750	AR1268ICC750	07/08/2025	21:22	PO112112.D	8.65	3.67
AR1268ICC500	AR1268ICC500	07/08/2025	21:39	PO112113.D	8.65	3.67
AR1268ICC250	AR1268ICC250	07/08/2025	21:57	PO112114.D	8.65	3.67
AR1268ICC050	AR1268ICC050	07/08/2025	22:16	PO112115.D	8.65	3.67
AR1660CCC500	AR1660CCC500	07/10/2025	09:55	PO112181.D	8.65	3.67
IBLK	IBLK	07/10/2025	11:08	PO112185.D	8.65	3.67
TP-41	Q2543-01	07/10/2025	14:40	PO112190.D	8.65	3.66
TP-49	Q2543-02	07/10/2025	14:58	PO112191.D	8.65	3.67
TP-23	Q2543-03	07/10/2025	15:15	PO112192.D	8.65	3.67
TP-23-99	Q2543-04	07/10/2025	15:32	PO112193.D	8.65	3.67
AR1660CCC500	AR1660CCC500	07/10/2025	17:18	PO112196.D	8.65	3.66
IBLK	IBLK	07/10/2025	19:05	PO112200.D	8.65	3.67
IBLK	IBLK	07/07/2025	20:30	PP073553.D	8.78	3.78
AR1660ICC1000	AR1660ICC1000	07/07/2025	21:03	PP073554.D	8.78	3.78
AR1660ICC750	AR1660ICC750	07/07/2025	21:19	PP073555.D	8.78	3.78
AR1660ICC500	AR1660ICC500	07/07/2025	21:35	PP073556.D	8.78	3.78
AR1660ICC250	AR1660ICC250	07/07/2025	21:52	PP073557.D	8.78	3.78

Analytical Sequence

AR1660ICC050	AR1660ICC050	07/07/2025	22:08	PP073558.D	8.78	3.78
AR1221ICC500	AR1221ICC500	07/07/2025	22:24	PP073559.D	8.78	3.78
AR1232ICC500	AR1232ICC500	07/07/2025	22:41	PP073560.D	8.78	3.78
AR1242ICC1000	AR1242ICC1000	07/07/2025	22:57	PP073561.D	8.78	3.78
AR1242ICC750	AR1242ICC750	07/07/2025	23:14	PP073562.D	8.78	3.78
AR1242ICC500	AR1242ICC500	07/07/2025	23:30	PP073563.D	8.78	3.78
AR1242ICC250	AR1242ICC250	07/07/2025	23:46	PP073564.D	8.78	3.78
AR1242ICC050	AR1242ICC050	07/08/2025	00:03	PP073565.D	8.78	3.78
AR1248ICC1000	AR1248ICC1000	07/08/2025	00:19	PP073566.D	8.78	3.78
AR1248ICC750	AR1248ICC750	07/08/2025	00:35	PP073567.D	8.78	3.78
AR1248ICC500	AR1248ICC500	07/08/2025	00:52	PP073568.D	8.78	3.78
AR1248ICC250	AR1248ICC250	07/08/2025	01:08	PP073569.D	8.78	3.78
AR1248ICC050	AR1248ICC050	07/08/2025	01:25	PP073570.D	8.78	3.78
AR1254ICC1000	AR1254ICC1000	07/08/2025	01:41	PP073571.D	8.78	3.78
AR1254ICC750	AR1254ICC750	07/08/2025	01:57	PP073572.D	8.78	3.78
AR1254ICC500	AR1254ICC500	07/08/2025	02:14	PP073573.D	8.78	3.78
AR1254ICC250	AR1254ICC250	07/08/2025	02:30	PP073574.D	8.78	3.78
AR1254ICC050	AR1254ICC050	07/08/2025	02:46	PP073575.D	8.78	3.78
AR1262ICC500	AR1262ICC500	07/08/2025	03:03	PP073576.D	8.78	3.78
AR1268ICC1000	AR1268ICC1000	07/08/2025	03:19	PP073577.D	8.78	3.78
AR1268ICC750	AR1268ICC750	07/08/2025	03:35	PP073578.D	8.78	3.78
AR1268ICC500	AR1268ICC500	07/08/2025	03:52	PP073579.D	8.78	3.78
AR1268ICC250	AR1268ICC250	07/08/2025	04:08	PP073580.D	8.78	3.78
AR1268ICC050	AR1268ICC050	07/08/2025	04:24	PP073581.D	8.78	3.78
AR1660CCC500	AR1660CCC500	07/10/2025	09:22	PP073691.D	8.78	3.78
IBLK	IBLK	07/10/2025	10:29	PP073695.D	8.78	3.78
PB168783BL	PB168783BL	07/10/2025	13:39	PP073700.D	8.78	3.78
PB168783BS	PB168783BS	07/10/2025	13:55	PP073701.D	8.78	3.78
TR-04-07092025MS	Q2537-01MS	07/10/2025	14:28	PP073703.D	8.78	3.78
TR-04-07092025MSD	Q2537-01MSD	07/10/2025	14:45	PP073704.D	8.78	3.78
AR1660CCC500	AR1660CCC500	07/10/2025	15:50	PP073705.D	8.78	3.78
IBLK	IBLK	07/10/2025	16:56	PP073709.D	8.78	3.78



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168783BL	SDG No.:	Q2543
Lab Sample ID:	PB168783BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073700.D	1	07/10/25 08:35	07/10/25 13:39	PB168783

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		32 - 144	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.9		32 - 175	104%	SPK: 20

Comments:

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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:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	PIBLK-PO112087.D	SDG No.:	Q2543
Lab Sample ID:	I.BLK-PO112087.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112087.D	1		07/08/25	po070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		60 - 140	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.8		60 - 140	94%	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.

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/10/25
Project:	South River WM Replacement	Date Received:	07/10/25
Client Sample ID:	PIBLK-PO112185.D	SDG No.:	Q2543
Lab Sample ID:	I.BLK-PO112185.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112185.D	1		07/10/25	PO071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.0		60 - 140	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.3		60 - 140	97%	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

* = 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:	CDM Smith	Date Collected:	07/10/25
Project:	South River WM Replacement	Date Received:	07/10/25
Client Sample ID:	PIBLK-PO112200.D	SDG No.:	Q2543
Lab Sample ID:	I.BLK-PO112200.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112200.D	1		07/10/25	po071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.3		60 - 140	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.6		60 - 140	78%	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:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PP073553.D	SDG No.:	Q2543
Lab Sample ID:	I.BLK-PP073553.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073553.D	1		07/07/25	pp070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.2		60 - 140	81%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.1		60 - 140	85%	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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() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	07/10/25
Project:	South River WM Replacement	Date Received:	07/10/25
Client Sample ID:	PIBLK-PP073695.D	SDG No.:	Q2543
Lab Sample ID:	I.BLK-PP073695.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073695.D	1		07/10/25	PP071125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.3		60 - 140	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.4		60 - 140	92%	SPK: 20

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() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	07/10/25
Project:	South River WM Replacement	Date Received:	07/10/25
Client Sample ID:	PIBLK-PP073709.D	SDG No.:	Q2543
Lab Sample ID:	I.BLK-PP073709.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073709.D	1		07/10/25	pp071125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.5		60 - 140	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		60 - 140	88%	SPK: 20

Comments:

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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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168783BS	SDG No.:	Q2543
Lab Sample ID:	PB168783BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073701.D	1	07/10/25 08:35	07/10/25 13:55	PB168783

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	157		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	157		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		32 - 144	97%	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:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	TR-04-07092025MS	SDG No.:	Q2543
Lab Sample ID:	Q2537-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90.5
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073703.D	1	07/10/25 08:35	07/10/25 14:28	PB168783

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	130		4.40	18.8	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	18.8	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.8	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.8	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.8	ug/kg
11097-69-1	Aroclor-1254	67.8		3.50	18.8	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.8	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.8	ug/kg
11096-82-5	Aroclor-1260	118		3.60	18.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.3		32 - 144	76%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.3		32 - 175	81%	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

* = 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:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	TR-04-07092025MSD	SDG No.:	Q2543
Lab Sample ID:	Q2537-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073704.D	1	07/10/25 08:35	07/10/25 14:45	PB168783

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	137		4.40	18.8	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.8	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.8	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.8	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.8	ug/kg
11097-69-1	Aroclor-1254	71.6		3.50	18.8	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.8	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.8	ug/kg
11096-82-5	Aroclor-1260	125		3.60	18.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.3		32 - 144	77%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.4		32 - 175	77%	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