

LAB CHRONICLE

OrderID:	Q2413	OrderDate:	6/24/2025 3:05:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2413-01	TP-35	SOIL			06/23/25			06/24/25
			PCB	8082A		06/26/25	06/26/25	
			Gasoline Range Organics	8015D			06/26/25	
Q2413-02	TP-34	SOIL			06/23/25			06/24/25
			PCB	8082A		06/26/25	06/26/25	
			Gasoline Range Organics	8015D			06/26/25	
Q2413-03	TP-77	SOIL			06/23/25			06/24/25
			PCB	8082A		06/26/25	06/26/25	
			Gasoline Range Organics	8015D			06/26/25	
Q2413-04	TP-74	SOIL			06/23/25			06/24/25
			PCB	8082A		06/26/25	06/26/25	
			Gasoline Range Organics	8015D			06/26/25	
Q2413-05	TP-73	SOIL			06/23/25			06/24/25
			PCB	8082A		06/26/25	06/26/25	
			Gasoline Range Organics	8015D			06/26/25	
Q2413-06	TP-72	SOIL			06/24/25			06/24/25
			Gasoline Range Organics	8015D			06/26/25	
			PCB	8082A		06/26/25	06/26/25	



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Hit Summary Sheet
SW-846

SDG No.:	Q2413	Order ID:	Q2413
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:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-35	SDG No.:	Q2413
Lab Sample ID:	Q2413-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	88.8
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
PP073299.D	1	06/26/25 08:20	06/26/25 15:58	PB168622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.40	U	4.40	19.1	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	19.1	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	19.1	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	19.1	ug/kg
12672-29-6	Aroclor-1248	6.70	U	6.70	19.1	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	19.1	ug/kg
37324-23-5	Aroclor-1262	5.70	U	5.70	19.1	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.1	ug/kg
11096-82-5	Aroclor-1260	3.60	U	3.60	19.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		32 - 144	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.7		32 - 175	109%	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:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-34	SDG No.:	Q2413
Lab Sample ID:	Q2413-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	92
Sample Wt/Vol:	30.06	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
PP073300.D	1	06/26/25 08:20	06/26/25 16:15	PB168622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.30	U	4.30	18.4	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.4	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	18.4	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.4	ug/kg
12672-29-6	Aroclor-1248	6.40	U	6.40	18.4	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.4	ug/kg
37324-23-5	Aroclor-1262	5.40	U	5.40	18.4	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	18.4	ug/kg
11096-82-5	Aroclor-1260	3.50	U	3.50	18.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.7		32 - 144	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.8		32 - 175	104%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-77	SDG No.:	Q2413
Lab Sample ID:	Q2413-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	91.4
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
PP073301.D	1	06/26/25 08:20	06/26/25 16:31	PB168622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.30	U	4.30	18.6	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.6	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.6	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.6	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.6	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.6	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.6	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	18.6	ug/kg
11096-82-5	Aroclor-1260	3.50	U	3.50	18.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		32 - 144	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		32 - 175	98%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-74	SDG No.:	Q2413
Lab Sample ID:	Q2413-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.5
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
PP073302.D	1	06/26/25 08:20	06/26/25 16:47	PB168622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.40	U	4.40	19.0	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	19.0	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	19.0	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	19.0	ug/kg
12672-29-6	Aroclor-1248	6.60	U	6.60	19.0	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	19.0	ug/kg
37324-23-5	Aroclor-1262	5.60	U	5.60	19.0	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	19.0	ug/kg
11096-82-5	Aroclor-1260	3.60	U	3.60	19.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		32 - 144	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.1		32 - 175	85%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-73	SDG No.:	Q2413
Lab Sample ID:	Q2413-05	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	77.1
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073303.D	1	06/26/25 08:20	06/26/25 17:04	PB168622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	5.10	U	5.10	22.0	ug/kg
11104-28-2	Aroclor-1221	5.20	U	5.20	22.0	ug/kg
11141-16-5	Aroclor-1232	4.80	U	4.80	22.0	ug/kg
53469-21-9	Aroclor-1242	5.20	U	5.20	22.0	ug/kg
12672-29-6	Aroclor-1248	7.70	U	7.70	22.0	ug/kg
11097-69-1	Aroclor-1254	4.20	U	4.20	22.0	ug/kg
37324-23-5	Aroclor-1262	6.50	U	6.50	22.0	ug/kg
11100-14-4	Aroclor-1268	4.70	U	4.70	22.0	ug/kg
11096-82-5	Aroclor-1260	4.20	U	4.20	22.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.7		32 - 144	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		32 - 175	101%	SPK: 20

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-72	SDG No.:	Q2413
Lab Sample ID:	Q2413-06	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	87
Sample Wt/Vol:	30.06	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
PP073304.D	1	06/26/25 08:20	06/26/25 17:20	PB168622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.50	U	4.50	19.5	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.5	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.5	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.5	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.5	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.5	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.5	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.5	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.7		32 - 144	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.8		32 - 175	94%	SPK: 20

Comments:

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QC SUMMARY

Surrogate Summary

SDG No.: **Q2413**

Client: **CDM Smith**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP072990.D	PIBLK-PP072990.D	Tetrachloro-m-xylene	1	20	17.3	86		60	140
		Decachlorobiphenyl	1	20	18.3	91		60	140
		Tetrachloro-m-xylene	2	20	18.0	90		60	140
		Decachlorobiphenyl	2	20	17.2	86		60	140
I.BLK-PP073283.D	PIBLK-PP073283.D	Tetrachloro-m-xylene	1	20	18.9	94		60	140
		Decachlorobiphenyl	1	20	18.6	93		60	140
		Tetrachloro-m-xylene	2	20	18.8	94		60	140
		Decachlorobiphenyl	2	20	20.9	105		60	140
PB168622BL	PB168622BL	Tetrachloro-m-xylene	1	20	19.3	96		32	144
		Decachlorobiphenyl	1	20	20.0	100		32	175
		Tetrachloro-m-xylene	2	20	18.8	94		32	144
		Decachlorobiphenyl	2	20	21.1	106		32	175
PB168622BS	PB168622BS	Tetrachloro-m-xylene	1	20	20.2	101		32	144
		Decachlorobiphenyl	1	20	20.0	100		32	175
		Tetrachloro-m-xylene	2	20	18.6	93		32	144
		Decachlorobiphenyl	2	20	23.0	115		32	175
Q2409-02MS	COP-SOIL-PILEMS	Tetrachloro-m-xylene	1	20	20.0	100		32	144
		Decachlorobiphenyl	1	20	22.5	112		32	175
		Tetrachloro-m-xylene	2	20	18.9	94		32	144
		Decachlorobiphenyl	2	20	22.7	113		32	175
Q2409-02MSD	COP-SOIL-PILEMSD	Tetrachloro-m-xylene	1	20	19.3	97		32	144
		Decachlorobiphenyl	1	20	23.0	115		32	175
		Tetrachloro-m-xylene	2	20	19.2	96		32	144
		Decachlorobiphenyl	2	20	22.7	114		32	175
I.BLK-PP073298.D	PIBLK-PP073298.D	Tetrachloro-m-xylene	1	20	18.3	91		60	140
		Decachlorobiphenyl	1	20	18.9	95		60	140
		Tetrachloro-m-xylene	2	20	18.7	93		60	140
		Decachlorobiphenyl	2	20	20.5	103		60	140
Q2413-01	TP-35	Tetrachloro-m-xylene	1	20	21.8	109		32	144
		Decachlorobiphenyl	1	20	19.4	97		32	175
		Tetrachloro-m-xylene	2	20	21.9	110		32	144
		Decachlorobiphenyl	2	20	21.7	109		32	175
Q2413-02	TP-34	Tetrachloro-m-xylene	1	20	20.7	104		32	144
		Decachlorobiphenyl	1	20	19.9	100		32	175
		Tetrachloro-m-xylene	2	20	21.7	108		32	144
		Decachlorobiphenyl	2	20	20.8	104		32	175
Q2413-03	TP-77	Tetrachloro-m-xylene	1	20	20.7	103		32	144
		Decachlorobiphenyl	1	20	18.3	92		32	175
		Tetrachloro-m-xylene	2	20	20.3	101		32	144
		Decachlorobiphenyl	2	20	19.5	98		32	175
Q2413-04	TP-74	Tetrachloro-m-xylene	1	20	20.0	100		32	144

Surrogate Summary

SDG No.: Q2413

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
Q2413-04	TP-74	Decachlorobiphenyl	1	20	16.0	80		32	175
		Tetrachloro-m-xylene	2	20	20.5	102		32	144
Q2413-05	TP-73	Decachlorobiphenyl	2	20	17.1	85		32	175
		Tetrachloro-m-xylene	1	20	22.1	110		32	144
		Decachlorobiphenyl	1	20	18.7	94		32	175
		Tetrachloro-m-xylene	2	20	22.7	114		32	144
		Decachlorobiphenyl	2	20	20.2	101		32	175
		Tetrachloro-m-xylene	1	20	21.0	105		32	144
Q2413-06	TP-72	Decachlorobiphenyl	1	20	16.6	83		32	175
		Tetrachloro-m-xylene	2	20	21.7	109		32	144
		Decachlorobiphenyl	2	20	18.8	94		32	175
		Tetrachloro-m-xylene	1	20	17.4	87		60	140
I.BLK-PP073313.D	PIBLK-PP073313.D	Decachlorobiphenyl	1	20	16.9	85		60	140
		Tetrachloro-m-xylene	2	20	18.9	95		60	140
		Decachlorobiphenyl	2	20	20.5	102		60	140
		Tetrachloro-m-xylene	2	20	20.5	102		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2413</u>	Analytical Method:	<u>8082A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PP073292.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2409-02MS (Column 1)	COP-SOIL-PILEMS AR1016	172.7	0	163	ug/kg	94				55	146	
	AR1260	172.7	31	195	ug/kg	95				54	119	
Client Sample ID: Q2409-02MS (Column 2)	COP-SOIL-PILEMS AR1016	172.7	0	154	ug/kg	89				55	146	
	AR1260	172.7	28	169	ug/kg	98				54	119	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2413</u>	Analytical Method:	<u>8082A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PP073293.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2409-02MSD (Column 1)	COP-SOIL-PILEMSD AR1016	172.5	0	163	ug/kg	94		0		55	146	15
	AR1260	172.5	31	202	ug/kg	99		4		54	119	15
Client Sample ID: Q2409-02MSD (Column 2)	COP-SOIL-PILEMSD AR1016	172.5	0	158	ug/kg	92		3		55	146	15
	AR1260	172.5	28	174	ug/kg	101		3		54	119	15

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2413</u>	Analytical Method:	<u>8082A</u>
Client:	<u>CDM Smith</u>	Datafile :	<u>PP073290.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168622BS (Column 1)	AR1016	166.6	160	ug/kg	96				71	120	
	AR1260	166.6	159	ug/kg	95				65	130	
PB168622BS (Column 2)	AR1016	166.6	149	ug/kg	89				71	120	
	AR1260	166.6	157	ug/kg	94				65	130	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168622BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413

SAS No.: Q2413 SDG NO.: Q2413

Lab Sample ID: PB168622BL

Lab File ID: PP073289.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 06/26/2025

Date Analyzed (1): 06/26/2025

Date Analyzed (2): 06/26/2025

Time Analyzed (1): 12:25

Time Analyzed (2): 12:25

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
PB168622BS	PB168622BS	PP073290.D	06/26/2025	06/26/2025
COP-SOIL-PILEMS	Q2409-02MS	PP073292.D	06/26/2025	06/26/2025
COP-SOIL-PILEMSD	Q2409-02MSD	PP073293.D	06/26/2025	06/26/2025
TP-35	Q2413-01	PP073299.D	06/26/2025	06/26/2025
TP-34	Q2413-02	PP073300.D	06/26/2025	06/26/2025
TP-77	Q2413-03	PP073301.D	06/26/2025	06/26/2025
TP-74	Q2413-04	PP073302.D	06/26/2025	06/26/2025
TP-73	Q2413-05	PP073303.D	06/26/2025	06/26/2025
TP-72	Q2413-06	PP073304.D	06/26/2025	06/26/2025

COMMENTS: _____



CALIBRATION SUMMARY

A
B
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E
F
G

Calibration Times: 10:04 20:10

LAB FILE ID: RT 1000 = PP072991.D RT 750 = PP072992.D
RT 500 = PP072993.D RT 250 = PP072994.D RT 050 = PP072995.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.19	10.18	10.18	10.19	10.18	10.19	10.09	10.29
Tetrachloro-m-xylene	4.49	4.49	4.49	4.50	4.49	4.49	4.39	4.59

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Calibration Times: 10:04 20:10

LAB FILE ID: RT 1000 = PP072991.D RT 750 = PP072992.D
RT 500 = PP072993.D RT 250 = PP072994.D RT 050 = PP072995.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.80	8.80	8.80	8.80	8.80	8.80	8.70	8.90
Tetrachloro-m-xylene	3.79	3.79	3.79	3.79	3.79	3.79	3.69	3.89

A
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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Instrument ID: ECD_P **Calibration Date(s):** 06/17/2025 06/17/2025
Calibration Times: 10:04 20:10

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

LAB FILE ID:		CF 1000 = <u>PP072991.D</u>		CF 750 = <u>PP072992.D</u>			
CF 500 = <u>PP072993.D</u>		CF 250 = <u>PP072994.D</u>		CF 050 = <u>PP072995.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	63671603	67644257	70148492	76963128	84930220	12
Aroclor-1016-2	(2)	97440661	102354848	107008936	114458460	98840440	7
Aroclor-1016-3	(3)	59983524	63267185	65041372	73554480	64895380	8
Aroclor-1016-4	(4)	50589003	52912481	54400336	56287652	47214800	7
Aroclor-1016-5	(5)	46240143	47840919	49349310	51433860	55161280	7
Aroclor-1260-1	(1)	82538787	86792979	90284630	94211564	87238820	5
Aroclor-1260-2	(2)	125600539	132072107	137363486	143645412	140737120	5
Aroclor-1260-3	(3)	106201830	111185451	115341698	120182220	117849880	5
Aroclor-1260-4	(4)	98670506	102821608	101520658	108282220	103932620	3
Aroclor-1260-5	(5)	227637841	236485680	245198018	255372264	238418920	4
Decachlorobiphenyl		1620648950	1677444467	1749703060	1784234960	1712434400	4
Tetrachloro-m-xylene		1977356170	2059482187	2109826840	2243117400	2164249200	5
Aroclor-1242-1	(1)	54005130	54512615	57421654	60290804	65956000	8
Aroclor-1242-2	(2)	81931377	79616400	88109514	98852440	84261940	9
Aroclor-1242-3	(3)	50398728	48446856	53645312	57446220	53601300	7
Aroclor-1242-4	(4)	42240385	41710237	44319270	46660108	44861080	5
Aroclor-1242-5	(5)	45003164	45972225	47192024	56790384	52840600	10
Decachlorobiphenyl		1612495640	1627929573	1725341220	1814607120	1610121000	5
Tetrachloro-m-xylene		1888746510	1833283947	1976454780	2024098800	2031619200	4
Aroclor-1248-1	(1)	41858490	44170731	45862520	49041552	56908940	12
Aroclor-1248-2	(2)	55380415	58022209	55617524	59041032	64693660	6
Aroclor-1248-3	(3)	63266998	66239924	62737624	66758520	67243400	3
Aroclor-1248-4	(4)	77728954	82015129	82895984	86036548	96645880	8
Aroclor-1248-5	(5)	75041779	78134308	81070348	82544344	101675060	12
Decachlorobiphenyl		1620420410	1689508547	1707113880	1772211040	1987340600	8
Tetrachloro-m-xylene		1885218090	1960849747	1904121260	1960400040	2044577000	3
Aroclor-1254-1	(1)	73763285	78885443	81757104	88891384	97572240	11
Aroclor-1254-2	(2)	111451506	118674340	123357828	133620984	139899720	9
Aroclor-1254-3	(3)	119235877	126285657	130365552	141133040	139034740	7
Aroclor-1254-4	(4)	108754762	114515340	117946542	128101128	129602040	7
Aroclor-1254-5	(5)	106940669	112254864	115991910	123909512	112185340	6
Decachlorobiphenyl		1648218000	1739306053	1775656020	1935470960	1659491600	7
Tetrachloro-m-xylene		1872735760	1960277133	2019595300	2159825040	2074265000	5
Aroclor-1268-1	(1)	342609292	345928729	355896714	398597476	345083220	7

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	290418323	293649853	302966618	340918088	297353440	305061264	7
Aroclor-1268-3	(3)	249992898	253511760	262173960	295232256	266657480	265513671	7
Aroclor-1268-4	(4)	114648839	115165531	118059850	128871696	108376940	117024571	6
Aroclor-1268-5	(5)	713831298	735909031	738672980	819932440	689883900	739645930	7
Decachlorobiphenyl		3002859930	3106573307	3204862440	3588507520	3062996400	3193159919	7
Tetrachloro-m-xylene		1965399560	2013897333	2066727860	2334276840	2005844200	2077229159	7

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Instrument ID: ECD_P

Calibration Date(s): 06/17/2025 06/17/2025

Calibration Times: 10:04 20:10

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

LAB FILE ID:		CF 1000 = <u>PP072991.D</u>		CF 750 = <u>PP072992.D</u>			
CF 500 = <u>PP072993.D</u>		CF 250 = <u>PP072994.D</u>		CF 050 = <u>PP072995.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	58734267	64000205	67674152	72695560	80484240	12
Aroclor-1016-2	(2)	90382349	94344453	98038690	104433472	115993580	10
Aroclor-1016-3	(3)	48136215	50748025	53595712	56975444	64125620	11
Aroclor-1016-4	(4)	38107893	40907291	43245840	46954372	53532680	13
Aroclor-1016-5	(5)	49203503	51615780	54910048	58505108	62177080	9
Aroclor-1260-1	(1)	84892100	88579871	95448406	100236824	104495860	9
Aroclor-1260-2	(2)	105588352	108160505	115763440	121715240	130953840	9
Aroclor-1260-3	(3)	96095206	97763095	104346708	109521728	113078520	7
Aroclor-1260-4	(4)	77788306	79915727	86740682	92092068	102155800	11
Aroclor-1260-5	(5)	196041650	198840268	209548214	218270728	244301260	9
Decachlorobiphenyl		1225771100	1248497173	1342901640	1435827000	1420581600	7
Tetrachloro-m-xylene		1662896120	1767446653	1788437460	1893713440	1896490200	5
Aroclor-1242-1	(1)	50070930	49549424	54443442	59214632	62816600	10
Aroclor-1242-2	(2)	73623300	71492977	79469612	84317900	88528280	9
Aroclor-1242-3	(3)	39446084	38282884	42982138	46709656	49104180	11
Aroclor-1242-4	(4)	37721961	36558999	41186366	44840456	47211420	11
Aroclor-1242-5	(5)	49158591	46923105	52837542	55505240	58508140	9
Decachlorobiphenyl		1205418560	1226140693	1281128260	1336855440	1341504000	5
Tetrachloro-m-xylene		1683517200	1544398853	1783586240	1693726480	1780668000	6
Aroclor-1248-1	(1)	39929038	42320627	40002718	45282436	50417100	10
Aroclor-1248-2	(2)	53044396	57410791	53304096	60483108	68735640	11
Aroclor-1248-3	(3)	55822275	59851821	54787908	62834628	69424220	10
Aroclor-1248-4	(4)	64712793	69142612	62749900	72698224	80808780	10
Aroclor-1248-5	(5)	65436447	68813545	68635516	72459776	79814180	8
Decachlorobiphenyl		1226985710	1250965200	1294060880	1349363760	1435080400	6
Tetrachloro-m-xylene		1707872610	1775213400	1595172200	1742416320	1838339400	5
Aroclor-1254-1	(1)	94131500	102369100	108358230	120483728	122907600	11
Aroclor-1254-2	(2)	80645865	88030495	92596756	103733056	107725280	12
Aroclor-1254-3	(3)	128776319	138178049	147317104	161124892	162339800	10
Aroclor-1254-4	(4)	83562949	90268741	96675708	106896836	108101020	11
Aroclor-1254-5	(5)	116424396	122854644	129598642	142067368	138868340	8
Decachlorobiphenyl		1234350420	1314370427	1354328000	1438665160	1427909200	6
Tetrachloro-m-xylene		1670033590	1775346533	1836392320	1937020080	1788575000	5
Aroclor-1268-1	(1)	263809069	277704169	280800266	313024424	300977600	7

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	236468443	251452185	251704404	280300416	265662900	257117670	6
Aroclor-1268-3	(3)	197435098	210533244	211556648	231588560	228588480	215940406	7
Aroclor-1268-4	(4)	83966367	90997261	93004838	103484904	99474300	94185534	8
Aroclor-1268-5	(5)	544182935	572449871	587387342	623593632	566405340	578803824	5
Decachlorobiphenyl		2216214780	2314031280	2438938620	2677731000	2452104000	2419803936	7
Tetrachloro-m-xylene		1798342890	1816167067	1835922080	2018457320	1810038400	1855785551	5

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Instrument ID: ECD_P Date(s) Analyzed: 06/17/2025 06/17/2025

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	24659200
		2	4.78	4.68	4.88	20179000
		3	4.85	4.75	4.95	61551400
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.86	4.76	4.96	46956200
		2	5.38	5.28	5.48	22369800
		3	5.67	5.57	5.77	51597600
		4	5.83	5.73	5.93	25810400
		5	5.92	5.82	6.02	35670200
Aroclor-1262	500	1	8.07	7.97	8.17	148023000
		2	8.39	8.29	8.49	316466000
		3	8.70	8.60	8.80	213972000
		4	8.79	8.69	8.89	157593000
		5	9.44	9.34	9.54	111864000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Instrument ID: ECD_P Date(s) Analyzed: 06/17/2025 06/17/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.00	3.90	4.10	26872400
		2	4.09	3.99	4.19	20185400
		3	4.16	4.06	4.26	58732000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.16	4.06	4.26	45564800
		2	4.89	4.79	4.99	46259800
		3	5.06	4.96	5.16	24558000
		4	5.15	5.05	5.25	21625200
		5	5.32	5.22	5.42	22858800
Aroclor-1262	500	1	6.90	6.80	7.00	144467000
		2	7.16	7.06	7.26	122231000
		3	7.68	7.58	7.78	112703000
		4	7.75	7.65	7.85	183356000
		5	8.24	8.14	8.34	86585200

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/26/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 09:04 Initial Calibration Time(s): 10:04 20:10

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	5.65	5.55	5.75	0.01
Aroclor-1016-2	(2)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-3	(3)	5.73	5.73	5.63	5.83	0.01
Aroclor-1016-4	(4)	5.82	5.83	5.73	5.93	0.01
Aroclor-1016-5	(5)	6.11	6.12	6.02	6.22	0.01
Aroclor-1260-1	(1)	7.23	7.24	7.14	7.34	0.01
Aroclor-1260-2	(2)	7.49	7.49	7.39	7.59	0.00
Aroclor-1260-3	(3)	7.84	7.85	7.75	7.95	0.01
Aroclor-1260-4	(4)	8.07	8.07	7.97	8.17	0.00
Aroclor-1260-5	(5)	8.38	8.39	8.29	8.49	0.01
Tetrachloro-m-xylene		4.49	4.49	4.39	4.59	0.00
Decachlorobiphenyl		10.18	10.19	10.09	10.29	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/26/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 09:04 Initial Calibration Time(s): 10:04 20:10

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	4.87	4.77	4.97	0.01
Aroclor-1016-2	(2)	4.88	4.89	4.79	4.99	0.01
Aroclor-1016-3	(3)	5.06	5.06	4.96	5.16	0.00
Aroclor-1016-4	(4)	5.10	5.10	5.00	5.20	0.00
Aroclor-1016-5	(5)	5.31	5.32	5.22	5.42	0.01
Aroclor-1260-1	(1)	6.34	6.35	6.25	6.45	0.01
Aroclor-1260-2	(2)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-3	(3)	6.68	6.69	6.59	6.79	0.01
Aroclor-1260-4	(4)	7.15	7.16	7.06	7.26	0.01
Aroclor-1260-5	(5)	7.40	7.40	7.30	7.50	0.01
Tetrachloro-m-xylene		3.78	3.79	3.69	3.89	0.01
Decachlorobiphenyl		8.79	8.80	8.70	8.90	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL01 Date Analyzed: 06/26/2025

Lab Sample No.: AR1660CCC500 Data File : PP073279.D Time Analyzed: 09:04

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.641	5.546	5.746	485.990	500.000	-2.8
Aroclor-1016-2	5.662	5.567	5.767	533.210	500.000	6.6
Aroclor-1016-3	5.725	5.629	5.829	520.180	500.000	4.0
Aroclor-1016-4	5.822	5.727	5.927	549.860	500.000	10.0
Aroclor-1016-5	6.114	6.019	6.219	524.760	500.000	5.0
Aroclor-1260-1	7.231	7.136	7.336	560.880	500.000	12.2
Aroclor-1260-2	7.485	7.389	7.589	543.950	500.000	8.8
Aroclor-1260-3	7.842	7.747	7.947	544.400	500.000	8.9
Aroclor-1260-4	8.066	7.971	8.171	548.260	500.000	9.7
Aroclor-1260-5	8.384	8.288	8.488	516.290	500.000	3.3
Decachlorobiphenyl	10.181	10.087	10.287	50.830	50.000	1.7
Tetrachloro-m-xylene	4.490	4.394	4.594	51.690	50.000	3.4

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL01 Date Analyzed: 06/26/2025

Lab Sample No.: AR1660CCC500 Data File : PP073279.D Time Analyzed: 09:04

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.862	4.768	4.968	473.800	500.000	-5.2
Aroclor-1016-2	4.880	4.786	4.986	482.540	500.000	-3.5
Aroclor-1016-3	5.056	4.962	5.162	483.380	500.000	-3.3
Aroclor-1016-4	5.098	5.004	5.204	477.720	500.000	-4.5
Aroclor-1016-5	5.312	5.218	5.418	546.190	500.000	9.2
Aroclor-1260-1	6.342	6.249	6.449	495.490	500.000	-0.9
Aroclor-1260-2	6.531	6.438	6.638	513.470	500.000	2.7
Aroclor-1260-3	6.683	6.589	6.789	485.640	500.000	-2.9
Aroclor-1260-4	7.152	7.060	7.260	489.320	500.000	-2.1
Aroclor-1260-5	7.395	7.302	7.502	489.940	500.000	-2.0
Decachlorobiphenyl	8.788	8.697	8.897	50.670	50.000	1.3
Tetrachloro-m-xylene	3.783	3.688	3.888	47.840	50.000	-4.3

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/26/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 14:37 Initial Calibration Time(s): 10:04 20:10

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	5.65	5.55	5.75	0.01
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.01
Aroclor-1016-3	(3)	5.73	5.73	5.63	5.83	0.00
Aroclor-1016-4	(4)	5.82	5.83	5.73	5.93	0.01
Aroclor-1016-5	(5)	6.12	6.12	6.02	6.22	0.00
Aroclor-1260-1	(1)	7.23	7.24	7.14	7.34	0.01
Aroclor-1260-2	(2)	7.49	7.49	7.39	7.59	0.00
Aroclor-1260-3	(3)	7.84	7.85	7.75	7.95	0.01
Aroclor-1260-4	(4)	8.07	8.07	7.97	8.17	0.00
Aroclor-1260-5	(5)	8.39	8.39	8.29	8.49	0.00
Tetrachloro-m-xylene		4.49	4.49	4.39	4.59	0.00
Decachlorobiphenyl		10.18	10.19	10.09	10.29	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/26/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 14:37 Initial Calibration Time(s): 10:04 20:10

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.87	4.87	4.77	4.97	0.01
Aroclor-1016-2	(2)	4.88	4.89	4.79	4.99	0.01
Aroclor-1016-3	(3)	5.06	5.06	4.96	5.16	0.00
Aroclor-1016-4	(4)	5.10	5.10	5.00	5.20	0.00
Aroclor-1016-5	(5)	5.31	5.32	5.22	5.42	0.01
Aroclor-1260-1	(1)	6.34	6.35	6.25	6.45	0.01
Aroclor-1260-2	(2)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-3	(3)	6.69	6.69	6.59	6.79	0.01
Aroclor-1260-4	(4)	7.16	7.16	7.06	7.26	0.00
Aroclor-1260-5	(5)	7.40	7.40	7.30	7.50	0.00
Tetrachloro-m-xylene		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.79	8.80	8.70	8.90	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL02 Date Analyzed: 06/26/2025

Lab Sample No.: AR1660CCC500 Data File : PP073294.D Time Analyzed: 14:37

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.643	5.546	5.746	477.730	500.000	-4.5
Aroclor-1016-2	5.665	5.567	5.767	514.610	500.000	2.9
Aroclor-1016-3	5.727	5.629	5.829	507.950	500.000	1.6
Aroclor-1016-4	5.824	5.727	5.927	534.040	500.000	6.8
Aroclor-1016-5	6.116	6.019	6.219	509.130	500.000	1.8
Aroclor-1260-1	7.233	7.136	7.336	554.370	500.000	10.9
Aroclor-1260-2	7.486	7.389	7.589	530.980	500.000	6.2
Aroclor-1260-3	7.844	7.747	7.947	525.830	500.000	5.2
Aroclor-1260-4	8.068	7.971	8.171	527.090	500.000	5.4
Aroclor-1260-5	8.386	8.288	8.488	505.830	500.000	1.2
Decachlorobiphenyl	10.182	10.087	10.287	51.630	50.000	3.3
Tetrachloro-m-xylene	4.492	4.394	4.594	49.270	50.000	-1.5

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL02 Date Analyzed: 06/26/2025

Lab Sample No.: AR1660CCC500 Data File : PP073294.D Time Analyzed: 14:37

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.865	4.768	4.968	475.950	500.000	-4.8
Aroclor-1016-2	4.882	4.786	4.986	486.130	500.000	-2.8
Aroclor-1016-3	5.059	4.962	5.162	484.990	500.000	-3.0
Aroclor-1016-4	5.100	5.004	5.204	478.600	500.000	-4.3
Aroclor-1016-5	5.314	5.218	5.418	545.720	500.000	9.1
Aroclor-1260-1	6.344	6.249	6.449	518.030	500.000	3.6
Aroclor-1260-2	6.534	6.438	6.638	531.220	500.000	6.2
Aroclor-1260-3	6.685	6.589	6.789	499.440	500.000	-0.1
Aroclor-1260-4	7.155	7.060	7.260	498.560	500.000	-0.3
Aroclor-1260-5	7.396	7.302	7.502	503.650	500.000	0.7
Decachlorobiphenyl	8.790	8.697	8.897	52.420	50.000	4.8
Tetrachloro-m-xylene	3.786	3.688	3.888	49.210	50.000	-1.6

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/26/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 19:30 Initial Calibration Time(s): 10:04 20:10

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	5.65	5.55	5.75	0.01
Aroclor-1016-2	(2)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-3	(3)	5.72	5.73	5.63	5.83	0.01
Aroclor-1016-4	(4)	5.82	5.83	5.73	5.93	0.01
Aroclor-1016-5	(5)	6.11	6.12	6.02	6.22	0.01
Aroclor-1260-1	(1)	7.23	7.24	7.14	7.34	0.01
Aroclor-1260-2	(2)	7.48	7.49	7.39	7.59	0.01
Aroclor-1260-3	(3)	7.84	7.85	7.75	7.95	0.01
Aroclor-1260-4	(4)	8.07	8.07	7.97	8.17	0.01
Aroclor-1260-5	(5)	8.38	8.39	8.29	8.49	0.01
Tetrachloro-m-xylene		4.49	4.49	4.39	4.59	0.00
Decachlorobiphenyl		10.18	10.19	10.09	10.29	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/26/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 19:30 Initial Calibration Time(s): 10:04 20:10

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.88	4.87	4.77	4.97	-0.01
Aroclor-1016-2	(2)	4.90	4.89	4.79	4.99	-0.01
Aroclor-1016-3	(3)	5.08	5.06	4.96	5.16	-0.02
Aroclor-1016-4	(4)	5.12	5.10	5.00	5.20	-0.02
Aroclor-1016-5	(5)	5.33	5.32	5.22	5.42	-0.01
Aroclor-1260-1	(1)	6.37	6.35	6.25	6.45	-0.01
Aroclor-1260-2	(2)	6.55	6.54	6.44	6.64	-0.01
Aroclor-1260-3	(3)	6.71	6.69	6.59	6.79	-0.02
Aroclor-1260-4	(4)	7.18	7.16	7.06	7.26	-0.02
Aroclor-1260-5	(5)	7.42	7.40	7.30	7.50	-0.02
Tetrachloro-m-xylene		3.81	3.79	3.69	3.89	-0.02
Decachlorobiphenyl		8.81	8.80	8.70	8.90	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL03 Date Analyzed: 06/26/2025

Lab Sample No.: AR1660CCC500 Data File : PP073309.D Time Analyzed: 19:30

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.640	5.546	5.746	451.620	500.000	-9.7
Aroclor-1016-2	5.662	5.567	5.767	494.360	500.000	-1.1
Aroclor-1016-3	5.724	5.629	5.829	490.840	500.000	-1.8
Aroclor-1016-4	5.821	5.727	5.927	522.060	500.000	4.4
Aroclor-1016-5	6.113	6.019	6.219	481.760	500.000	-3.6
Aroclor-1260-1	7.230	7.136	7.336	513.110	500.000	2.6
Aroclor-1260-2	7.483	7.389	7.589	481.840	500.000	-3.6
Aroclor-1260-3	7.842	7.747	7.947	473.110	500.000	-5.4
Aroclor-1260-4	8.065	7.971	8.171	460.670	500.000	-7.9
Aroclor-1260-5	8.383	8.288	8.488	459.970	500.000	-8.0
Decachlorobiphenyl	10.178	10.087	10.287	47.810	50.000	-4.4
Tetrachloro-m-xylene	4.490	4.394	4.594	47.870	50.000	-4.3

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL03 Date Analyzed: 06/26/2025

Lab Sample No.: AR1660CCC500 Data File : PP073309.D Time Analyzed: 19:30

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.884	4.768	4.968	487.530	500.000	-2.5
Aroclor-1016-2	4.902	4.786	4.986	475.770	500.000	-4.8
Aroclor-1016-3	5.079	4.962	5.162	480.790	500.000	-3.8
Aroclor-1016-4	5.121	5.004	5.204	474.850	500.000	-5.0
Aroclor-1016-5	5.334	5.218	5.418	533.340	500.000	6.7
Aroclor-1260-1	6.365	6.249	6.449	483.000	500.000	-3.4
Aroclor-1260-2	6.554	6.438	6.638	508.980	500.000	1.8
Aroclor-1260-3	6.706	6.589	6.789	485.230	500.000	-3.0
Aroclor-1260-4	7.175	7.060	7.260	463.340	500.000	-7.3
Aroclor-1260-5	7.417	7.302	7.502	476.860	500.000	-4.6
Decachlorobiphenyl	8.811	8.697	8.897	51.100	50.000	2.2
Tetrachloro-m-xylene	3.806	3.688	3.888	49.010	50.000	-2.0

Analytical Sequence

Client: CDM Smith	SDG No.: Q2413
Project: South River WM Replacement	Instrument ID: ECD_P
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 06/17/2025 06/17/2025

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	06/17/2025	09:47	PP072990.D	10.19	4.49
AR1660ICC1000	AR1660ICC1000	06/17/2025	10:04	PP072991.D	10.19	4.49
AR1660ICC750	AR1660ICC750	06/17/2025	10:20	PP072992.D	10.19	4.49
AR1660ICC500	AR1660ICC500	06/17/2025	10:37	PP072993.D	10.19	4.49
AR1660ICC250	AR1660ICC250	06/17/2025	10:53	PP072994.D	10.19	4.49
AR1660ICC050	AR1660ICC050	06/17/2025	11:43	PP072995.D	10.19	4.50
AR1221ICC500	AR1221ICC500	06/17/2025	12:00	PP072996.D	10.18	4.49
AR1232ICC500	AR1232ICC500	06/17/2025	12:16	PP072997.D	10.19	4.50
AR1242ICC1000	AR1242ICC1000	06/17/2025	14:27	PP072998.D	10.19	4.49
AR1242ICC750	AR1242ICC750	06/17/2025	14:43	PP072999.D	10.19	4.49
AR1242ICC500	AR1242ICC500	06/17/2025	15:00	PP073000.D	10.19	4.49
AR1242ICC250	AR1242ICC250	06/17/2025	15:16	PP073001.D	10.19	4.49
AR1242ICC050	AR1242ICC050	06/17/2025	15:32	PP073002.D	10.18	4.49
AR1248ICC1000	AR1248ICC1000	06/17/2025	15:49	PP073003.D	10.19	4.49
AR1248ICC750	AR1248ICC750	06/17/2025	16:21	PP073004.D	10.19	4.49
AR1248ICC500	AR1248ICC500	06/17/2025	16:37	PP073005.D	10.19	4.49
AR1248ICC250	AR1248ICC250	06/17/2025	16:54	PP073006.D	10.19	4.49
AR1248ICC050	AR1248ICC050	06/17/2025	17:10	PP073007.D	10.18	4.49
AR1254ICC1000	AR1254ICC1000	06/17/2025	17:26	PP073008.D	10.19	4.49
AR1254ICC750	AR1254ICC750	06/17/2025	17:43	PP073009.D	10.19	4.49
AR1254ICC500	AR1254ICC500	06/17/2025	17:59	PP073010.D	10.19	4.49
AR1254ICC250	AR1254ICC250	06/17/2025	18:15	PP073011.D	10.19	4.49
AR1254ICC050	AR1254ICC050	06/17/2025	18:32	PP073012.D	10.19	4.49
AR1262ICC500	AR1262ICC500	06/17/2025	18:48	PP073013.D	10.19	4.49
AR1268ICC1000	AR1268ICC1000	06/17/2025	19:04	PP073014.D	10.19	4.49
AR1268ICC750	AR1268ICC750	06/17/2025	19:21	PP073015.D	10.18	4.49
AR1268ICC500	AR1268ICC500	06/17/2025	19:37	PP073016.D	10.18	4.49
AR1268ICC250	AR1268ICC250	06/17/2025	19:53	PP073017.D	10.19	4.50
AR1268ICC050	AR1268ICC050	06/17/2025	20:10	PP073018.D	10.18	4.49
AR1660CCC500	AR1660CCC500	06/26/2025	09:04	PP073279.D	10.18	4.49
IBLK	IBLK	06/26/2025	10:09	PP073283.D	10.18	4.49
PB168622BL	PB168622BL	06/26/2025	12:25	PP073289.D	10.18	4.49
PB168622BS	PB168622BS	06/26/2025	12:42	PP073290.D	10.18	4.49
COP-SOIL-PILEMS	Q2409-02MS	06/26/2025	13:15	PP073292.D	10.18	4.49
COP-SOIL-PILEMSD	Q2409-02MSD	06/26/2025	13:31	PP073293.D	10.18	4.49
AR1660CCC500	AR1660CCC500	06/26/2025	14:37	PP073294.D	10.18	4.49
IBLK	IBLK	06/26/2025	15:42	PP073298.D	10.18	4.49
TP-35	Q2413-01	06/26/2025	15:58	PP073299.D	10.18	4.49
TP-34	Q2413-02	06/26/2025	16:15	PP073300.D	10.18	4.49
TP-77	Q2413-03	06/26/2025	16:31	PP073301.D	10.18	4.49
TP-74	Q2413-04	06/26/2025	16:47	PP073302.D	10.18	4.49
TP-73	Q2413-05	06/26/2025	17:04	PP073303.D	10.18	4.49

Analytical Sequence

TP-72	Q2413-06	06/26/2025	17:20	PP073304.D	10.18	4.49
AR1660CCC500	AR1660CCC500	06/26/2025	19:30	PP073309.D	10.18	4.49
LBLK	LBLK	06/26/2025	20:35	PP073313.D	10.18	4.49

Analytical Sequence

Client: CDM Smith	SDG No.: Q2413	
Project: South River WM Replacement	Instrument ID: ECD_P	
GC Column: ZB-MR2	ID: 0.32 (mm)	Inst. Calib. Date(s): 06/17/2025 06/17/2025

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	06/17/2025	09:47	PP072990.D	8.80	3.79
AR1660ICC1000	AR1660ICC1000	06/17/2025	10:04	PP072991.D	8.80	3.79
AR1660ICC750	AR1660ICC750	06/17/2025	10:20	PP072992.D	8.80	3.79
AR1660ICC500	AR1660ICC500	06/17/2025	10:37	PP072993.D	8.80	3.79
AR1660ICC250	AR1660ICC250	06/17/2025	10:53	PP072994.D	8.80	3.79
AR1660ICC050	AR1660ICC050	06/17/2025	11:43	PP072995.D	8.80	3.79
AR1221ICC500	AR1221ICC500	06/17/2025	12:00	PP072996.D	8.80	3.79
AR1232ICC500	AR1232ICC500	06/17/2025	12:16	PP072997.D	8.80	3.79
AR1242ICC1000	AR1242ICC1000	06/17/2025	14:27	PP072998.D	8.80	3.79
AR1242ICC750	AR1242ICC750	06/17/2025	14:43	PP072999.D	8.80	3.79
AR1242ICC500	AR1242ICC500	06/17/2025	15:00	PP073000.D	8.80	3.79
AR1242ICC250	AR1242ICC250	06/17/2025	15:16	PP073001.D	8.80	3.79
AR1242ICC050	AR1242ICC050	06/17/2025	15:32	PP073002.D	8.80	3.79
AR1248ICC1000	AR1248ICC1000	06/17/2025	15:49	PP073003.D	8.80	3.79
AR1248ICC750	AR1248ICC750	06/17/2025	16:21	PP073004.D	8.80	3.79
AR1248ICC500	AR1248ICC500	06/17/2025	16:37	PP073005.D	8.80	3.79
AR1248ICC250	AR1248ICC250	06/17/2025	16:54	PP073006.D	8.80	3.79
AR1248ICC050	AR1248ICC050	06/17/2025	17:10	PP073007.D	8.80	3.79
AR1254ICC1000	AR1254ICC1000	06/17/2025	17:26	PP073008.D	8.80	3.79
AR1254ICC750	AR1254ICC750	06/17/2025	17:43	PP073009.D	8.80	3.79
AR1254ICC500	AR1254ICC500	06/17/2025	17:59	PP073010.D	8.80	3.79
AR1254ICC250	AR1254ICC250	06/17/2025	18:15	PP073011.D	8.80	3.79
AR1254ICC050	AR1254ICC050	06/17/2025	18:32	PP073012.D	8.80	3.79
AR1262ICC500	AR1262ICC500	06/17/2025	18:48	PP073013.D	8.80	3.79
AR1268ICC1000	AR1268ICC1000	06/17/2025	19:04	PP073014.D	8.80	3.79
AR1268ICC750	AR1268ICC750	06/17/2025	19:21	PP073015.D	8.80	3.79
AR1268ICC500	AR1268ICC500	06/17/2025	19:37	PP073016.D	8.80	3.79
AR1268ICC250	AR1268ICC250	06/17/2025	19:53	PP073017.D	8.80	3.79
AR1268ICC050	AR1268ICC050	06/17/2025	20:10	PP073018.D	8.80	3.79
AR1660CCC500	AR1660CCC500	06/26/2025	09:04	PP073279.D	8.79	3.78
IBLK	IBLK	06/26/2025	10:09	PP073283.D	8.79	3.78
PB168622BL	PB168622BL	06/26/2025	12:25	PP073289.D	8.79	3.79
PB168622BS	PB168622BS	06/26/2025	12:42	PP073290.D	8.79	3.79
COP-SOIL-PILEMS	Q2409-02MS	06/26/2025	13:15	PP073292.D	8.79	3.79
COP-SOIL-PILEMSD	Q2409-02MSD	06/26/2025	13:31	PP073293.D	8.79	3.79
AR1660CCC500	AR1660CCC500	06/26/2025	14:37	PP073294.D	8.79	3.79
IBLK	IBLK	06/26/2025	15:42	PP073298.D	8.79	3.78
TP-35	Q2413-01	06/26/2025	15:58	PP073299.D	8.79	3.79
TP-34	Q2413-02	06/26/2025	16:15	PP073300.D	8.79	3.79
TP-77	Q2413-03	06/26/2025	16:31	PP073301.D	8.79	3.79
TP-74	Q2413-04	06/26/2025	16:47	PP073302.D	8.79	3.79
TP-73	Q2413-05	06/26/2025	17:04	PP073303.D	8.79	3.79

Analytical Sequence

TP-72	Q2413-06	06/26/2025	17:20	PP073304.D	8.79	3.79
AR1660CCC500	AR1660CCC500	06/26/2025	19:30	PP073309.D	8.81	3.81
LBLK	LBLK	06/26/2025	20:35	PP073313.D	8.79	3.78



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168622BL	SDG No.:	Q2413
Lab Sample ID:	PB168622BL	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
PP073289.D	1	06/26/25 08:20	06/26/25 12:25	PB168622

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	19.3		32 - 144	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.1		32 - 175	106%	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:	06/17/25
Project:	South River WM Replacement	Date Received:	06/17/25
Client Sample ID:	PIBLK-PP072990.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PP072990.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
PP072990.D	1		06/17/25	pp061725

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	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.2		60 - 140	86%	SPK: 20

Comments:

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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:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	PIBLK-PP073283.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PP073283.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
PP073283.D	1		06/26/25	pp062625

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	18.8		60 - 140	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.6		60 - 140	93%	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.

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	PIBLK-PP073298.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PP073298.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
PP073298.D	1		06/26/25	pp062625

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	18.9		60 - 140	95%	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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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:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	PIBLK-PP073313.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PP073313.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
PP073313.D	1		06/26/25	pp062625

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	17.4		60 - 140	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.9		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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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:	PB168622BS	SDG No.:	Q2413
Lab Sample ID:	PB168622BS	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
PP073290.D	1	06/26/25 08:20	06/26/25 12:42	PB168622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	160		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	159		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.0		32 - 175	115%	SPK: 20

Comments:

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MDL = Method Detection Limit

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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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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:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	COP-SOIL-PILEMS	SDG No.:	Q2413
Lab Sample ID:	Q2409-02MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	96.4
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
PP073292.D	1	06/26/25 08:20	06/26/25 13:15	PB168622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	163		4.10	17.6	ug/kg
11104-28-2	Aroclor-1221	4.20	U	4.20	17.6	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	17.6	ug/kg
53469-21-9	Aroclor-1242	4.20	U	4.20	17.6	ug/kg
12672-29-6	Aroclor-1248	6.10	U	6.10	17.6	ug/kg
11097-69-1	Aroclor-1254	135		3.30	17.6	ug/kg
37324-23-5	Aroclor-1262	5.20	U	5.20	17.6	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	17.6	ug/kg
11096-82-5	Aroclor-1260	195		3.30	17.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.0		32 - 144	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.7		32 - 175	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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* = 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:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	COP-SOIL-PILEMSD	SDG No.:	Q2413
Lab Sample ID:	Q2409-02MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	96.4
Sample Wt/Vol:	30.06	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
PP073293.D	1	06/26/25 08:20	06/26/25 13:31	PB168622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	163		4.10	17.6	ug/kg
11104-28-2	Aroclor-1221	4.20	U	4.20	17.6	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	17.6	ug/kg
53469-21-9	Aroclor-1242	4.20	U	4.20	17.6	ug/kg
12672-29-6	Aroclor-1248	6.10	U	6.10	17.6	ug/kg
11097-69-1	Aroclor-1254	126		3.30	17.6	ug/kg
37324-23-5	Aroclor-1262	5.20	U	5.20	17.6	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	17.6	ug/kg
11096-82-5	Aroclor-1260	202		3.30	17.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.3		32 - 144	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.0		32 - 175	115%	SPK: 20

Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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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