

LAB CHRONICLE

OrderID:	Q2436	OrderDate:	6/26/2025 3:41:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	D51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2436-01	TP-70	SOIL	PCB	8082A	06/25/25	06/27/25	06/27/25	06/26/25
Q2436-02	TP-69	SOIL	PCB	8082A	06/25/25	06/27/25	06/27/25	06/26/25
Q2436-03	TP-85	SOIL	PCB	8082A	06/25/25	06/27/25	06/27/25	06/26/25
Q2436-04	TP-86	SOIL	PCB	8082A	06/25/25	06/27/25	06/27/25	06/26/25
Q2436-05	TP-84	SOIL	PCB	8082A	06/25/25	06/27/25	06/27/25	06/26/25
Q2436-06	TP-83	SOIL	PCB	8082A	06/25/25	06/27/25	06/27/25	06/26/25
Q2436-07	TP-87	SOIL	PCB	8082A	06/26/25	06/27/25	06/27/25	06/26/25
Q2436-08	TP-100	SOIL	PCB	8082A	06/26/25	06/27/25	06/27/25	06/26/25
Q2436-09	TP-99	SOIL	PCB	8082A	06/26/25	06/27/25	06/27/25	06/26/25
Q2436-10	TP-82	SOIL	PCB	8082A	06/26/25	06/27/25	06/27/25	06/26/25



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

Hit Summary Sheet
SW-846

SDG No.: Q2436

Order ID: Q2436

Client: CDM Smith

Project ID: South River WM Replacement

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

Total Concentration: 0.000



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-70	SDG No.:	Q2436
Lab Sample ID:	Q2436-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	82.1
Sample Wt/Vol:	30.08	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
PP073335.D	1	06/27/25 11:15	06/27/25 18:41	PB168636

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	17.6		32 - 144	88%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.9		32 - 175	79%	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:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-69	SDG No.:	Q2436
Lab Sample ID:	Q2436-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	82
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
PP073336.D	1	06/27/25 11:15	06/27/25 18:57	PB168636

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	16.8		32 - 144	84%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.2		32 - 175	71%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-85	SDG No.:	Q2436
Lab Sample ID:	Q2436-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.1
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
PP073337.D	1	06/27/25 11:15	06/27/25 19:13	PB168636

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	6.90	U	6.90	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	15.2		32 - 144	76%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.7		32 - 175	68%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-86	SDG No.:	Q2436
Lab Sample ID:	Q2436-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	88.7
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
PP073338.D	1	06/27/25 11:15	06/27/25 19:29	PB168636

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	5.60	U	5.60	19.1	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	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	18.9		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.5		32 - 175	87%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-84	SDG No.:	Q2436
Lab Sample ID:	Q2436-05	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	92.3
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
PP073339.D	1	06/27/25 11:15	06/27/25 19:46	PB168636

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	4.30	U	4.30	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	19.3		32 - 144	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		32 - 175	87%	SPK: 20

Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-83	SDG No.:	Q2436
Lab Sample ID:	Q2436-06	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90.6
Sample Wt/Vol:	30.08	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
PP073340.D	1	06/27/25 11:15	06/27/25 20:02	PB168636

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.30	U	4.30	18.7	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.7	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.7	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.7	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.7	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.7	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.7	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.7	ug/kg
11096-82-5	Aroclor-1260	3.60	U	3.60	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.6		32 - 144	88%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.7		32 - 175	83%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-87	SDG No.:	Q2436
Lab Sample ID:	Q2436-07	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.9
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
PP073341.D	1	06/27/25 11:15	06/27/25 20:18	PB168636

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.40	U	4.40	18.9	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	18.9	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.9	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	18.9	ug/kg
12672-29-6	Aroclor-1248	6.60	U	6.60	18.9	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	18.9	ug/kg
37324-23-5	Aroclor-1262	5.60	U	5.60	18.9	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.9	ug/kg
11096-82-5	Aroclor-1260	3.60	U	3.60	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.8		32 - 144	89%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.7		32 - 175	79%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-100	SDG No.:	Q2436
Lab Sample ID:	Q2436-08	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.6
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
PP073342.D	1	06/27/25 11:15	06/27/25 20:35	PB168636

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.8	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.8	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.8	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.8	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.8	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.8	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	19.8	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.8	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	19.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.6		32 - 144	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.1		32 - 175	76%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-99	SDG No.:	Q2436
Lab Sample ID:	Q2436-09	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	92.2
Sample Wt/Vol:	30.09	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
PP073343.D	1	06/27/25 11:15	06/27/25 20:51	PB168636

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	4.30	U	4.30	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	18.6		32 - 144	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.7		32 - 175	88%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-82	SDG No.:	Q2436
Lab Sample ID:	Q2436-10	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
PP073344.D	1	06/27/25 11:15	06/27/25 21:07	PB168636

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	18.4		32 - 144	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		32 - 175	90%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: **Q2436**

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-PP073320.D	PIBLK-PP073320.D	Tetrachloro-m-xylene	1	20	18.5	93		60	140
		Decachlorobiphenyl	1	20	19.0	95		60	140
		Tetrachloro-m-xylene	2	20	18.3	91		60	140
		Decachlorobiphenyl	2	20	20.4	102		60	140
PB168636BL	PB168636BL	Tetrachloro-m-xylene	1	20	18.5	92		32	144
		Decachlorobiphenyl	1	20	18.2	91		32	175
		Tetrachloro-m-xylene	2	20	18.4	92		32	144
		Decachlorobiphenyl	2	20	19.6	98		32	175
PB168636BS	PB168636BS	Tetrachloro-m-xylene	1	20	19.2	96		32	144
		Decachlorobiphenyl	1	20	18.7	93		32	175
		Tetrachloro-m-xylene	2	20	18.8	94		32	144
		Decachlorobiphenyl	2	20	20.3	101		32	175
Q2430-01MS	MH-E/FMS	Tetrachloro-m-xylene	1	20	20.0	100		32	144
		Decachlorobiphenyl	1	20	18.0	90		32	175
		Tetrachloro-m-xylene	2	20	19.1	96		32	144
		Decachlorobiphenyl	2	20	20.1	100		32	175
Q2430-01MSD	MH-E/FMSD	Tetrachloro-m-xylene	1	20	19.6	98		32	144
		Decachlorobiphenyl	1	20	17.7	89		32	175
		Tetrachloro-m-xylene	2	20	18.9	94		32	144
		Decachlorobiphenyl	2	20	19.0	95		32	175
I.BLK-PP073334.D	PIBLK-PP073334.D	Tetrachloro-m-xylene	1	20	17.0	85		60	140
		Decachlorobiphenyl	1	20	17.3	87		60	140
		Tetrachloro-m-xylene	2	20	17.4	87		60	140
		Decachlorobiphenyl	2	20	19.1	95		60	140
Q2436-01	TP-70	Tetrachloro-m-xylene	1	20	17.1	86		32	144
		Decachlorobiphenyl	1	20	13.8	69		32	175
		Tetrachloro-m-xylene	2	20	17.6	88		32	144
		Decachlorobiphenyl	2	20	15.9	79		32	175
Q2436-02	TP-69	Tetrachloro-m-xylene	1	20	15.9	80		32	144
		Decachlorobiphenyl	1	20	12.0	60		32	175
		Tetrachloro-m-xylene	2	20	16.8	84		32	144
		Decachlorobiphenyl	2	20	14.2	71		32	175
Q2436-03	TP-85	Tetrachloro-m-xylene	1	20	14.8	74		32	144
		Decachlorobiphenyl	1	20	11.6	58		32	175
		Tetrachloro-m-xylene	2	20	15.2	76		32	144
		Decachlorobiphenyl	2	20	13.7	68		32	175
Q2436-04	TP-86	Tetrachloro-m-xylene	1	20	18.2	91		32	144

Surrogate Summary

SDG No.: Q2436

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
Q2436-04	TP-86	Decachlorobiphenyl	1	20	15.2	76		32	175
		Tetrachloro-m-xylene	2	20	18.9	94		32	144
Q2436-05	TP-84	Decachlorobiphenyl	2	20	17.5	87		32	175
		Tetrachloro-m-xylene	1	20	17.5	87		32	144
		Decachlorobiphenyl	1	20	15.1	75		32	175
		Tetrachloro-m-xylene	2	20	19.3	97		32	144
		Decachlorobiphenyl	2	20	17.4	87		32	175
		Tetrachloro-m-xylene	1	20	16.6	83		32	144
Q2436-06	TP-83	Decachlorobiphenyl	1	20	14.5	72		32	175
		Tetrachloro-m-xylene	2	20	17.6	88		32	144
		Decachlorobiphenyl	2	20	16.7	83		32	175
		Tetrachloro-m-xylene	1	20	16.7	83		32	144
Q2436-07	TP-87	Decachlorobiphenyl	1	20	13.7	68		32	175
		Tetrachloro-m-xylene	2	20	17.8	89		32	144
		Decachlorobiphenyl	2	20	15.7	79		32	175
		Tetrachloro-m-xylene	1	20	17.4	87		32	144
Q2436-08	TP-100	Decachlorobiphenyl	1	20	13.6	68		32	175
		Tetrachloro-m-xylene	2	20	18.6	93		32	144
		Decachlorobiphenyl	2	20	15.1	76		32	175
		Tetrachloro-m-xylene	1	20	17.8	89		32	144
Q2436-09	TP-99	Decachlorobiphenyl	1	20	15.7	79		32	175
		Tetrachloro-m-xylene	2	20	18.6	93		32	144
		Decachlorobiphenyl	2	20	17.7	88		32	175
		Tetrachloro-m-xylene	1	20	17.2	86		32	144
Q2436-10	TP-82	Decachlorobiphenyl	1	20	16.1	81		32	175
		Tetrachloro-m-xylene	2	20	18.4	92		32	144
		Decachlorobiphenyl	2	20	18.1	90		32	175
		Tetrachloro-m-xylene	1	20	17.4	87		60	140
I.BLK-PP073350.D	PIBLK-PP073350.D	Decachlorobiphenyl	1	20	17.8	89		60	140
		Tetrachloro-m-xylene	2	20	18.6	93		60	140
		Decachlorobiphenyl	2	20	20.2	101		60	140
		Tetrachloro-m-xylene	1	20	17.4	87		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2436</u>	Analytical Method:	<u>8082A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PP073327.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2430-01MS (Column 1)	MH-E/FMS AR1016	188.5	0	174	ug/kg	92				55	146	
	AR1260	188.5	0	158	ug/kg	84				54	119	
Client Sample ID: Q2430-01MS (Column 2)	MH-E/FMS AR1016	188.5	0	173	ug/kg	92				55	146	
	AR1260	188.5	0	161	ug/kg	85				54	119	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2436</u>	Analytical Method:	<u>8082A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PP073328.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2430-01MSD (Column 1)	MH-E/FMSD AR1016	188.7	0	176	ug/kg	93		1		55	146	15
	AR1260	188.7	0	158	ug/kg	84		0		54	119	15
Client Sample ID: Q2430-01MSD (Column 2)	MH-E/FMSD AR1016	188.7	0	165	ug/kg	87		6		55	146	15
	AR1260	188.7	0	162	ug/kg	86		1		54	119	15

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2436</u>	Analytical Method:	<u>8082A</u>
Client:	<u>CDM Smith</u>	Datafile :	<u>PP073324.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB168636BS (Column 1)	AR1016	166.6	156	ug/kg	94				71	120		
	AR1260	166.6	141	ug/kg	85				65	130		
PB168636BS (Column 2)	AR1016	166.6	150	ug/kg	90				71	120		
	AR1260	166.6	146	ug/kg	88				65	130		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168636BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436 SDG NO.: Q2436

Lab Sample ID: PB168636BL

Lab File ID: PP073323.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 06/27/2025

Date Analyzed (1): 06/27/2025

Date Analyzed (2): 06/27/2025

Time Analyzed (1): 14:20

Time Analyzed (2): 14:20

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
PB168636BS	PB168636BS	PP073324.D	06/27/2025	06/27/2025
MH-E/FMS	Q2430-01MS	PP073327.D	06/27/2025	06/27/2025
MH-E/FMSD	Q2430-01MSD	PP073328.D	06/27/2025	06/27/2025
TP-70	Q2436-01	PP073335.D	06/27/2025	06/27/2025
TP-69	Q2436-02	PP073336.D	06/27/2025	06/27/2025
TP-85	Q2436-03	PP073337.D	06/27/2025	06/27/2025
TP-86	Q2436-04	PP073338.D	06/27/2025	06/27/2025
TP-84	Q2436-05	PP073339.D	06/27/2025	06/27/2025
TP-83	Q2436-06	PP073340.D	06/27/2025	06/27/2025
TP-87	Q2436-07	PP073341.D	06/27/2025	06/27/2025
TP-100	Q2436-08	PP073342.D	06/27/2025	06/27/2025
TP-99	Q2436-09	PP073343.D	06/27/2025	06/27/2025
TP-82	Q2436-10	PP073344.D	06/27/2025	06/27/2025

COMMENTS: _____



CALIBRATION SUMMARY

A
B
C
D
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

A
B
C
D
E
F
G

A
B
C
D
E
F
G

Calibration Times: 10:04 20:10

ID: 0.32 (mm)

[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

B

C

D

E

F

G

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 09:13 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)	8.06	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.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 09:13 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	0.01
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)	7.39	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.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Client Sample No.: CCAL01 Date Analyzed: 06/27/2025

Lab Sample No.: AR1660CCC500 Data File : PP073315.D Time Analyzed: 09:13

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.640	5.546	5.746	453.800	500.000	-9.2
Aroclor-1016-2	5.661	5.567	5.767	482.630	500.000	-3.5
Aroclor-1016-3	5.723	5.629	5.829	481.630	500.000	-3.7
Aroclor-1016-4	5.820	5.727	5.927	511.310	500.000	2.3
Aroclor-1016-5	6.112	6.019	6.219	481.930	500.000	-3.6
Aroclor-1260-1	7.228	7.136	7.336	481.910	500.000	-3.6
Aroclor-1260-2	7.482	7.389	7.589	482.230	500.000	-3.6
Aroclor-1260-3	7.840	7.747	7.947	467.900	500.000	-6.4
Aroclor-1260-4	8.064	7.971	8.171	464.110	500.000	-7.2
Aroclor-1260-5	8.381	8.288	8.488	450.140	500.000	-10.0
Decachlorobiphenyl	10.177	10.087	10.287	47.460	50.000	-5.1
Tetrachloro-m-xylene	4.489	4.394	4.594	46.400	50.000	-7.2

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Client Sample No.: CCAL01 Date Analyzed: 06/27/2025

Lab Sample No.: AR1660CCC500 Data File : PP073315.D Time Analyzed: 09:13

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.862	4.768	4.968	449.750	500.000	-10.1
Aroclor-1016-2	4.879	4.786	4.986	462.170	500.000	-7.6
Aroclor-1016-3	5.055	4.962	5.162	463.070	500.000	-7.4
Aroclor-1016-4	5.097	5.004	5.204	461.810	500.000	-7.6
Aroclor-1016-5	5.310	5.218	5.418	469.570	500.000	-6.1
Aroclor-1260-1	6.340	6.249	6.449	465.970	500.000	-6.8
Aroclor-1260-2	6.529	6.438	6.638	468.650	500.000	-6.3
Aroclor-1260-3	6.681	6.589	6.789	458.070	500.000	-8.4
Aroclor-1260-4	7.151	7.060	7.260	465.450	500.000	-6.9
Aroclor-1260-5	7.393	7.302	7.502	457.350	500.000	-8.5
Decachlorobiphenyl	8.786	8.697	8.897	48.600	50.000	-2.8
Tetrachloro-m-xylene	3.783	3.688	3.888	44.930	50.000	-10.1

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 16:46 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.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 16:46 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.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Client Sample No.: CCAL02 Date Analyzed: 06/27/2025

Lab Sample No.: AR1660CCC500 Data File : PP073329.D Time Analyzed: 16:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.642	5.546	5.746	409.590	500.000	-18.1
Aroclor-1016-2	5.663	5.567	5.767	441.080	500.000	-11.8
Aroclor-1016-3	5.725	5.629	5.829	420.560	500.000	-15.9
Aroclor-1016-4	5.822	5.727	5.927	441.350	500.000	-11.7
Aroclor-1016-5	6.114	6.019	6.219	429.890	500.000	-14.0
Aroclor-1260-1	7.230	7.136	7.336	455.300	500.000	-8.9
Aroclor-1260-2	7.485	7.389	7.589	452.950	500.000	-9.4
Aroclor-1260-3	7.842	7.747	7.947	431.750	500.000	-13.7
Aroclor-1260-4	8.066	7.971	8.171	421.940	500.000	-15.6
Aroclor-1260-5	8.383	8.288	8.488	416.460	500.000	-16.7
Decachlorobiphenyl	10.179	10.087	10.287	44.090	50.000	-11.8
Tetrachloro-m-xylene	4.490	4.394	4.594	42.330	50.000	-15.3

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Client Sample No.: CCAL02 Date Analyzed: 06/27/2025

Lab Sample No.: AR1660CCC500 Data File : PP073329.D Time Analyzed: 16:46

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.863	4.768	4.968	412.820	500.000	-17.4
Aroclor-1016-2	4.881	4.786	4.986	411.940	500.000	-17.6
Aroclor-1016-3	5.057	4.962	5.162	406.130	500.000	-18.8
Aroclor-1016-4	5.099	5.004	5.204	405.400	500.000	-18.9
Aroclor-1016-5	5.312	5.218	5.418	418.410	500.000	-16.3
Aroclor-1260-1	6.343	6.249	6.449	412.060	500.000	-17.6
Aroclor-1260-2	6.531	6.438	6.638	425.960	500.000	-14.8
Aroclor-1260-3	6.683	6.589	6.789	408.460	500.000	-18.3
Aroclor-1260-4	7.153	7.060	7.260	416.930	500.000	-16.6
Aroclor-1260-5	7.395	7.302	7.502	411.320	500.000	-17.7
Decachlorobiphenyl	8.788	8.697	8.897	43.670	50.000	-12.7
Tetrachloro-m-xylene	3.784	3.688	3.888	41.990	50.000	-16.0

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 22:13 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)	8.06	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		10.17	10.19	10.09	10.29	0.02

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 22:13 Initial Calibration Time(s): 10:04 20:10

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
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)	7.39	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.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Client Sample No.: CCAL03 Date Analyzed: 06/27/2025

Lab Sample No.: AR1660CCC500 Data File : PP073345.D Time Analyzed: 22:13

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.638	5.546	5.746	432.490	500.000	-13.5
Aroclor-1016-2	5.659	5.567	5.767	460.330	500.000	-7.9
Aroclor-1016-3	5.721	5.629	5.829	456.640	500.000	-8.7
Aroclor-1016-4	5.818	5.727	5.927	479.780	500.000	-4.0
Aroclor-1016-5	6.110	6.019	6.219	451.140	500.000	-9.8
Aroclor-1260-1	7.227	7.136	7.336	472.570	500.000	-5.5
Aroclor-1260-2	7.480	7.389	7.589	452.070	500.000	-9.6
Aroclor-1260-3	7.838	7.747	7.947	442.770	500.000	-11.4
Aroclor-1260-4	8.062	7.971	8.171	443.420	500.000	-11.3
Aroclor-1260-5	8.380	8.288	8.488	435.790	500.000	-12.8
Decachlorobiphenyl	10.174	10.087	10.287	45.500	50.000	-9.0
Tetrachloro-m-xylene	4.487	4.394	4.594	43.270	50.000	-13.5

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

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

Client Sample No.: CCAL03 Date Analyzed: 06/27/2025

Lab Sample No.: AR1660CCC500 Data File : PP073345.D Time Analyzed: 22:13

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.862	4.768	4.968	446.220	500.000	-10.8
Aroclor-1016-2	4.880	4.786	4.986	449.690	500.000	-10.1
Aroclor-1016-3	5.056	4.962	5.162	449.220	500.000	-10.2
Aroclor-1016-4	5.098	5.004	5.204	450.630	500.000	-9.9
Aroclor-1016-5	5.311	5.218	5.418	464.140	500.000	-7.2
Aroclor-1260-1	6.341	6.249	6.449	464.610	500.000	-7.1
Aroclor-1260-2	6.529	6.438	6.638	475.500	500.000	-4.9
Aroclor-1260-3	6.681	6.589	6.789	462.110	500.000	-7.6
Aroclor-1260-4	7.151	7.060	7.260	462.150	500.000	-7.6
Aroclor-1260-5	7.393	7.302	7.502	465.070	500.000	-7.0
Decachlorobiphenyl	8.786	8.697	8.897	50.420	50.000	0.8
Tetrachloro-m-xylene	3.783	3.688	3.888	44.590	50.000	-10.8

Analytical Sequence

Client: CDM Smith	SDG No.: Q2436	
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	06/27/2025	09:13	PP073315.D	10.18	4.49
IBLK	IBLK	06/27/2025	10:35	PP073320.D	10.18	4.49
PB168636BL	PB168636BL	06/27/2025	14:20	PP073323.D	10.18	4.49
PB168636BS	PB168636BS	06/27/2025	14:36	PP073324.D	10.18	4.49
MH-E/FMS	Q2430-01MS	06/27/2025	15:25	PP073327.D	10.18	4.49
MH-E/FMSD	Q2430-01MSD	06/27/2025	15:41	PP073328.D	10.18	4.49
AR1660CCC500	AR1660CCC500	06/27/2025	16:46	PP073329.D	10.18	4.49
IBLK	IBLK	06/27/2025	18:24	PP073334.D	10.17	4.49
TP-70	Q2436-01	06/27/2025	18:41	PP073335.D	10.18	4.49
TP-69	Q2436-02	06/27/2025	18:57	PP073336.D	10.18	4.49
TP-85	Q2436-03	06/27/2025	19:13	PP073337.D	10.18	4.49
TP-86	Q2436-04	06/27/2025	19:29	PP073338.D	10.17	4.49
TP-84	Q2436-05	06/27/2025	19:46	PP073339.D	10.18	4.49

Analytical Sequence

TP-83	Q2436-06	06/27/2025	20:02	PP073340.D	10.17	4.49
TP-87	Q2436-07	06/27/2025	20:18	PP073341.D	10.17	4.49
TP-100	Q2436-08	06/27/2025	20:35	PP073342.D	10.17	4.49
TP-99	Q2436-09	06/27/2025	20:51	PP073343.D	10.18	4.49
TP-82	Q2436-10	06/27/2025	21:07	PP073344.D	10.17	4.49
AR1660CCC500	AR1660CCC500	06/27/2025	22:13	PP073345.D	10.17	4.49
LBLK	LBLK	06/27/2025	23:51	PP073350.D	10.18	4.49

Analytical Sequence

Client: CDM Smith	SDG No.: Q2436	
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	06/27/2025	09:13	PP073315.D	8.79	3.78
IBLK	IBLK	06/27/2025	10:35	PP073320.D	8.79	3.78
PB168636BL	PB168636BL	06/27/2025	14:20	PP073323.D	8.79	3.78
PB168636BS	PB168636BS	06/27/2025	14:36	PP073324.D	8.79	3.78
MH-E/FMS	Q2430-01MS	06/27/2025	15:25	PP073327.D	8.79	3.78
MH-E/FMSD	Q2430-01MSD	06/27/2025	15:41	PP073328.D	8.79	3.78
AR1660CCC500	AR1660CCC500	06/27/2025	16:46	PP073329.D	8.79	3.78
IBLK	IBLK	06/27/2025	18:24	PP073334.D	8.79	3.78
TP-70	Q2436-01	06/27/2025	18:41	PP073335.D	8.79	3.78
TP-69	Q2436-02	06/27/2025	18:57	PP073336.D	8.79	3.78
TP-85	Q2436-03	06/27/2025	19:13	PP073337.D	8.79	3.78
TP-86	Q2436-04	06/27/2025	19:29	PP073338.D	8.79	3.78
TP-84	Q2436-05	06/27/2025	19:46	PP073339.D	8.79	3.78

Analytical Sequence

TP-83	Q2436-06	06/27/2025	20:02	PP073340.D	8.79	3.78
TP-87	Q2436-07	06/27/2025	20:18	PP073341.D	8.79	3.78
TP-100	Q2436-08	06/27/2025	20:35	PP073342.D	8.79	3.78
TP-99	Q2436-09	06/27/2025	20:51	PP073343.D	8.79	3.78
TP-82	Q2436-10	06/27/2025	21:07	PP073344.D	8.79	3.78
AR1660CCC500	AR1660CCC500	06/27/2025	22:13	PP073345.D	8.79	3.78
LBLK	LBLK	06/27/2025	23:51	PP073350.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:	PB168636BL	SDG No.:	Q2436
Lab Sample ID:	PB168636BL	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
PP073323.D	1	06/27/25 11:15	06/27/25 14:20	PB168636

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	18.5		32 - 144	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.6		32 - 175	98%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

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.:	Q2436
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:

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:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	PIBLK-PP073320.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PP073320.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
PP073320.D	1		06/27/25	PP062725

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	19.0		60 - 140	95%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	PIBLK-PP073334.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PP073334.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
PP073334.D	1		06/27/25	pp062725

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	17.3		60 - 140	87%	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:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	PIBLK-PP073350.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PP073350.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
PP073350.D	1		06/27/25	pp062725

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	17.8		60 - 140	89%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168636BS	SDG No.:	Q2436
Lab Sample ID:	PB168636BS	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
PP073324.D	1	06/27/25 11:15	06/27/25 14:36	PB168636

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	156		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	146		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		32 - 144	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		32 - 175	101%	SPK: 20

Comments:

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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:	MH-E/FMS	SDG No.:	Q2436
Lab Sample ID:	Q2430-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	88.2
Sample Wt/Vol:	30.08	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
PP073327.D	1	06/27/25 11:15	06/27/25 15:25	PB168636

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	174		4.50	19.2	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.2	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	19.2	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	19.2	ug/kg
12672-29-6	Aroclor-1248	6.70	U	6.70	19.2	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	19.2	ug/kg
37324-23-5	Aroclor-1262	5.70	U	5.70	19.2	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.2	ug/kg
11096-82-5	Aroclor-1260	161		3.70	19.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.0		32 - 144	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		32 - 175	100%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	MH-E/FMSD	SDG No.:	Q2436
Lab Sample ID:	Q2430-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	88.2
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
PP073328.D	1	06/27/25 11:15	06/27/25 15:41	PB168636

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	176		4.50	19.2	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.2	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	19.2	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	19.2	ug/kg
12672-29-6	Aroclor-1248	6.70	U	6.70	19.2	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	19.2	ug/kg
37324-23-5	Aroclor-1262	5.70	U	5.70	19.2	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.2	ug/kg
11096-82-5	Aroclor-1260	162		3.70	19.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		32 - 144	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.0		32 - 175	95%	SPK: 20

Comments:

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