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

Hit Summary Sheet
SW-846

SDG No.: Q2032 **Order ID:** Q2032

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-11	SDG No.:	Q2032
Lab Sample ID:	Q2032-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	76.3 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111156.D	1	05/16/25 09:24	05/16/25 20:34	PB168039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	5.20	U	5.20	22.2	ug/kg
11104-28-2	Aroclor-1221	5.30	U	5.30	22.2	ug/kg
11141-16-5	Aroclor-1232	4.90	U	4.90	22.2	ug/kg
53469-21-9	Aroclor-1242	5.20	U	5.20	22.2	ug/kg
12672-29-6	Aroclor-1248	7.70	U	7.70	22.2	ug/kg
11097-69-1	Aroclor-1254	4.20	U	4.20	22.2	ug/kg
37324-23-5	Aroclor-1262	6.60	U	6.60	22.2	ug/kg
11100-14-4	Aroclor-1268	4.70	U	4.70	22.2	ug/kg
11096-82-5	Aroclor-1260	4.20	U	4.20	22.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.4		32 - 144	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	11.6		32 - 175	58%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-29	SDG No.:	Q2032
Lab Sample ID:	Q2032-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.1 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111136.D	1	05/16/25 09:24	05/16/25 13:40	PB168039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.7	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.7	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.7	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.7	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.7	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.7	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.7	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.7	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		32 - 144	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.9		32 - 175	74%	SPK: 20

Comments:

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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-29-99	SDG No.:	Q2032
Lab Sample ID:	Q2032-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111137.D	1	05/16/25 09:24	05/16/25 13:57	PB168039

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	22.4		32 - 144	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.1		32 - 175	81%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-24	SDG No.:	Q2032
Lab Sample ID:	Q2032-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	74.2 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111138.D	1	05/16/25 09:24	05/16/25 14:14	PB168039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	5.30	U	5.30	22.9	ug/kg
11104-28-2	Aroclor-1221	5.40	U	5.40	22.9	ug/kg
11141-16-5	Aroclor-1232	5.00	U	5.00	22.9	ug/kg
53469-21-9	Aroclor-1242	5.40	U	5.40	22.9	ug/kg
12672-29-6	Aroclor-1248	8.00	U	8.00	22.9	ug/kg
11097-69-1	Aroclor-1254	4.30	U	4.30	22.9	ug/kg
37324-23-5	Aroclor-1262	6.80	U	6.80	22.9	ug/kg
11100-14-4	Aroclor-1268	4.80	U	4.80	22.9	ug/kg
11096-82-5	Aroclor-1260	4.40	U	4.40	22.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		32 - 144	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.0		32 - 175	80%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-37	SDG No.:	Q2032
Lab Sample ID:	Q2032-07	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	82.5 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111141.D	1	05/16/25 09:24	05/16/25 15:08	PB168039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.80	U	4.80	20.6	ug/kg
11104-28-2	Aroclor-1221	4.90	U	4.90	20.6	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	20.6	ug/kg
53469-21-9	Aroclor-1242	4.90	U	4.90	20.6	ug/kg
12672-29-6	Aroclor-1248	7.20	U	7.20	20.6	ug/kg
11097-69-1	Aroclor-1254	3.90	U	3.90	20.6	ug/kg
37324-23-5	Aroclor-1262	6.10	U	6.10	20.6	ug/kg
11100-14-4	Aroclor-1268	4.40	U	4.40	20.6	ug/kg
11096-82-5	Aroclor-1260	3.90	U	3.90	20.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.8		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.0		32 - 175	65%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-32	SDG No.:	Q2032
Lab Sample ID:	Q2032-08	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.8 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111142.D	1	05/16/25 09:24	05/16/25 15:27	PB168039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.50	U	4.50	19.6	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.6	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.6	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.6	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.6	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.6	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.6	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.6	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.5		32 - 144	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.5		32 - 175	77%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	FB-05132025	SDG No.:	Q2032
Lab Sample ID:	Q2032-11	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	980 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072103.D	1	05/14/25 09:08	05/15/25 13:08	PB168005

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.099	U	0.099	0.51	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.51	ug/L
11141-16-5	Aroclor-1232	0.098	U	0.098	0.51	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.51	ug/L
12672-29-6	Aroclor-1248	0.072	U	0.072	0.51	ug/L
11097-69-1	Aroclor-1254	0.096	U	0.096	0.51	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.51	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.51	ug/L
11096-82-5	Aroclor-1260	0.083	U	0.083	0.51	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.9		16 - 158	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.0		10 - 173	65%	SPK: 20

Comments:

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LAB CHRONICLE

OrderID:	Q2032	**OrderDate:**	5/13/2025 4:01:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2032-01	**TP-11**	**SOIL**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/16/25	
			PCB	8082A		05/16/25	05/16/25	
Q2032-02	**TP-29**	**SOIL**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/15/25	
			PCB	8082A		05/16/25	05/16/25	
Q2032-03	**TP-29-99**	**SOIL**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/16/25	
			PCB	8082A		05/16/25	05/16/25	
Q2032-04	**TP-24**	**SOIL**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/15/25	
			PCB	8082A		05/16/25	05/16/25	
			Pesticide-TCL	8081B		05/16/25	05/16/25	
Q2032-07	**TP-37**	**SOIL**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/16/25	
			PCB	8082A		05/16/25	05/16/25	
Q2032-08	**TP-32**	**SOIL**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/16/25	
			PCB	8082A		05/16/25	05/16/25	
Q2032-11	**FB-05132025**	**Water**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/14/25	
			PCB	8082A		05/14/25	05/15/25	