

Hit Summary Sheet
SW-846

SDG No.: Q3461

Order ID: Q3461

Client: Matrix New World Engineering

Project ID: PSEG Athenia Substation

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SS-9R(4.5-5.0)								
Q3461-01	SS-9R(4.5-5.0)	SOIL	Aroclor-1254	584	E	3.60	19.2	ug/kg
Total Concentration:				584.000				
Client ID : SS-9R(4.5-5.0)DL								
Q3461-01DL	SS-9R(4.5-5.0)DL	SOIL	Aroclor-1254	521	D	7.30	38.5	ug/kg
Total Concentration:				521.000				



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Matrix New World Engineering	Date Collected:	10/24/25
Project:	PSEG Athenia Substation	Date Received:	10/24/25
Client Sample ID:	SS-9R(4.5-5.0)	SDG No.:	Q3461
Lab Sample ID:	Q3461-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	88.2
Sample Wt/Vol:	30.06 g	Final Vol:	10000 uL
Prep Method:	SW3541	Test:	PCB
	Prep Date		10/28/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.50	U	1	4.50	19.2	ug/kg	10/28/25 11:52	PB170282
11104-28-2	Aroclor-1221	4.60	U	1	4.60	19.2	ug/kg	10/28/25 11:52	PB170282
11141-16-5	Aroclor-1232	4.20	U	1	4.20	19.2	ug/kg	10/28/25 11:52	PB170282
53469-21-9	Aroclor-1242	4.50	U	1	4.50	19.2	ug/kg	10/28/25 11:52	PB170282
12672-29-6	Aroclor-1248	6.70	U	1	6.70	19.2	ug/kg	10/28/25 11:52	PB170282
11097-69-1	Aroclor-1254	584	E	1	3.60	19.2	ug/kg	10/28/25 11:52	PB170282
37324-23-5	Aroclor-1262	5.70	U	1	5.70	19.2	ug/kg	10/28/25 11:52	PB170282
11100-14-4	Aroclor-1268	4.10	U	1	4.10	19.2	ug/kg	10/28/25 11:52	PB170282
11096-82-5	Aroclor-1260	3.70	U	1	3.70	19.2	ug/kg	10/28/25 11:52	PB170282
SURROGATES									
877-09-8	Tetrachloro-m-xylene	27.7			30 (32) - 150 (144)	139%	SPK: 20		
2051-24-3	Decachlorobiphenyl	24.0			30 (32) - 150 (175)	120%	SPK: 20		

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:	Matrix New World Engineering	Date Collected:	10/24/25
Project:	PSEG Athenia Substation	Date Received:	10/24/25
Client Sample ID:	SS-9R(4.5-5.0)DL	SDG No.:	Q3461
Lab Sample ID:	Q3461-01DL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	88.2
Sample Wt/Vol:	30.06 g	Final Vol:	10000 uL
Prep Method:	SW3541	Test:	PCB
	Prep Date		10/28/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	8.90	UD	2	8.90	38.5	ug/kg	10/28/25 13:24	PB170282
11104-28-2	Aroclor-1221	9.10	UD	2	9.10	38.5	ug/kg	10/28/25 13:24	PB170282
11141-16-5	Aroclor-1232	8.40	UD	2	8.40	38.5	ug/kg	10/28/25 13:24	PB170282
53469-21-9	Aroclor-1242	9.10	UD	2	9.10	38.5	ug/kg	10/28/25 13:24	PB170282
12672-29-6	Aroclor-1248	13.4	UD	2	13.4	38.5	ug/kg	10/28/25 13:24	PB170282
11097-69-1	Aroclor-1254	521	D	2	7.30	38.5	ug/kg	10/28/25 13:24	PB170282
37324-23-5	Aroclor-1262	11.4	UD	2	11.4	38.5	ug/kg	10/28/25 13:24	PB170282
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11096-82-5	Aroclor-1260	7.30	UD	2	7.30	38.5	ug/kg	10/28/25 13:24	PB170282
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.5			30 (32) - 150 (144)	123%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.2			30 (32) - 150 (175)	106%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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LAB CHRONICLE

OrderID:	Q3461	OrderDate:	10/24/2025 1:28:00 PM
Client:	Matrix New World Engineering	Project:	PSEG Athenia Substation
Contact:	Christopher Pittarese	Location:	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3461-01	SS-9R(4.5-5.0)	SOIL	PCB	8082A	10/24/25	10/28/25	10/28/25	10/24/25
Q3461-01DL	SS-9R(4.5-5.0)DL	SOIL	PCB	8082A	10/24/25	10/28/25	10/28/25	10/24/25