

Report of Analysis

Client:	Matrix New World Engineering	Date Collected:	10/23/25
Project:	PSEG Athenia Substation	Date Received:	10/23/25
Client Sample ID:	SS-21-(3.5-4.0)DL	SDG No.:	Q3450
Lab Sample ID:	Q3450-22DL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84.7
Sample Wt/Vol:	30.04 g	Final Vol:	10000 uL
Prep Method:	SW3541B	Test:	PCB
	Prep Date:		10/24/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	9.30	UD	2	9.30	40.1	ug/kg	10/27/25 11:58	PB170236
11104-28-2	Aroclor-1221	9.50	UD	2	9.50	40.1	ug/kg	10/27/25 11:58	PB170236
11141-16-5	Aroclor-1232	8.80	UD	2	8.80	40.1	ug/kg	10/27/25 11:58	PB170236
53469-21-9	Aroclor-1242	9.50	UD	2	9.50	40.1	ug/kg	10/27/25 11:58	PB170236
12672-29-6	Aroclor-1248	14.0	UD	2	14.0	40.1	ug/kg	10/27/25 11:58	PB170236
11097-69-1	Aroclor-1254	503	D	2	7.60	40.1	ug/kg	10/27/25 11:58	PB170236
37324-23-5	Aroclor-1262	11.8	UD	2	11.8	40.1	ug/kg	10/27/25 11:58	PB170236
11100-14-4	Aroclor-1268	8.50	UD	2	8.50	40.1	ug/kg	10/27/25 11:58	PB170236
11096-82-5	Aroclor-1260	7.60	UD	2	7.60	40.1	ug/kg	10/27/25 11:58	PB170236
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.6			30 (21) - 150 (165)	108%	SPK: 20		
2051-24-3	Decachlorobiphenyl	17.5			30 (10) - 150 (170)	88%	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