

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-5R-(3.5-4.0)	SDG No.:	Q3450
Lab Sample ID:	Q3450-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.3
Sample Wt/Vol:	30.08 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	4.60	U	1	4.60	19.6	ug/kg	10/27/25 09:41	PB170236
11104-28-2	Aroclor-1221	4.70	U	1	4.70	19.6	ug/kg	10/27/25 09:41	PB170236
11141-16-5	Aroclor-1232	4.30	U	1	4.30	19.6	ug/kg	10/27/25 09:41	PB170236
53469-21-9	Aroclor-1242	4.60	U	1	4.60	19.6	ug/kg	10/27/25 09:41	PB170236
12672-29-6	Aroclor-1248	6.80	U	1	6.80	19.6	ug/kg	10/27/25 09:41	PB170236
11097-69-1	Aroclor-1254	11.3	J	1	3.70	19.6	ug/kg	10/27/25 09:41	PB170236
37324-23-5	Aroclor-1262	5.80	U	1	5.80	19.6	ug/kg	10/27/25 09:41	PB170236
11100-14-4	Aroclor-1268	4.20	U	1	4.20	19.6	ug/kg	10/27/25 09:41	PB170236
11096-82-5	Aroclor-1260	3.70	U	1	3.70	19.6	ug/kg	10/27/25 09:41	PB170236
SURROGATES									
877-09-8	Tetrachloro-m-xylene	27.0			30 (32) - 150 (144)	135%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.4			30 (32) - 150 (175)	127%	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