

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-25(5.0-5.5)	SDG No.:	Q3461
Lab Sample ID:	Q3461-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	88
Sample Wt/Vol:	30.03 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	19.3	ug/kg	10/28/25 12:47	PB170282
11104-28-2	Aroclor-1221	4.60	U	1	4.60	19.3	ug/kg	10/28/25 12:47	PB170282
11141-16-5	Aroclor-1232	4.20	U	1	4.20	19.3	ug/kg	10/28/25 12:47	PB170282
53469-21-9	Aroclor-1242	4.60	U	1	4.60	19.3	ug/kg	10/28/25 12:47	PB170282
12672-29-6	Aroclor-1248	6.70	U	1	6.70	19.3	ug/kg	10/28/25 12:47	PB170282
11097-69-1	Aroclor-1254	60.8		1	3.60	19.3	ug/kg	10/28/25 12:47	PB170282
37324-23-5	Aroclor-1262	5.70	U	1	5.70	19.3	ug/kg	10/28/25 12:47	PB170282
11100-14-4	Aroclor-1268	4.10	U	1	4.10	19.3	ug/kg	10/28/25 12:47	PB170282
11096-82-5	Aroclor-1260	3.70	U	1	3.70	19.3	ug/kg	10/28/25 12:47	PB170282
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.6			30 (32) - 150 (144)	108%	SPK: 20		
2051-24-3	Decachlorobiphenyl	18.3			30 (32) - 150 (175)	91%	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