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

Hit Summary Sheet
SW-846

SDG No.: Q3437 **Order ID:** Q3437

Client: Matrix New World Engineering **Project ID:** PSEG Athenia Substation

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SS-15R(2.0-2.5)								
Q3437-03	SS-15R(2.0-2.5)	SOIL	Aroclor-1254	15.2	J	3.70	19.4	ug/kg
			Total Concentration:	**15.200**				
Client ID : SS-26(0-0.5)								
Q3437-05	SS-26(0-0.5)	SOIL	Aroclor-1254	168		3.60	19.2	ug/kg
			Total Concentration:	**168.000**				
Client ID : SS-27(0-0.5)								
Q3437-11	SS-27(0-0.5)	SOIL	Aroclor-1254	50.1		3.40	18.2	ug/kg
			Total Concentration:	**50.100**				
Client ID : SS-25(0-0.5)								
Q3437-14	SS-25(0-0.5)	SOIL	Aroclor-1254	796	E	3.60	19.0	ug/kg
			Total Concentration:	**796.000**				
Client ID : SS-25(0-0.5)DL								
Q3437-14DL	SS-25(0-0.5)DL	SOIL	Aroclor-1254	635	D	17.9	94.8	ug/kg
			Total Concentration:	**635.000**				
Client ID : SS-32(0-0.5)								
Q3437-15	SS-32(0-0.5)	SOIL	Aroclor-1254	29.6		3.70	19.6	ug/kg
			Total Concentration:	**29.600**				
Client ID : SS-23(0-0.5)								
Q3437-16	SS-23(0-0.5)	SOIL	Aroclor-1254	9.00	J	3.40	18.2	ug/kg
			Total Concentration:	**9.000**				

SAMPLE DATA

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Report of Analysis

Client:	Matrix New World Engineering	Date Collected:	10/22/25
Project:	PSEG Athenia Substation	Date Received:	10/22/25
Client Sample ID:	SS-15R(2.0-2.5)	SDG No.:	Q3437
Lab Sample ID:	Q3437-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	87.4
Sample Wt/Vol:	30.06 g	Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541B	Prep Date: 10/23/25	

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	19.4	ug/kg	10/24/25 11:07	PB170234
11104-28-2	Aroclor-1221	4.60	U	1	4.60	19.4	ug/kg	10/24/25 11:07	PB170234
11141-16-5	Aroclor-1232	4.20	U	1	4.20	19.4	ug/kg	10/24/25 11:07	PB170234
53469-21-9	Aroclor-1242	4.60	U	1	4.60	19.4	ug/kg	10/24/25 11:07	PB170234
12672-29-6	Aroclor-1248	6.80	U	1	6.80	19.4	ug/kg	10/24/25 11:07	PB170234
11097-69-1	Aroclor-1254	15.2	J	1	3.70	19.4	ug/kg	10/24/25 11:07	PB170234
37324-23-5	Aroclor-1262	5.70	U	1	5.70	19.4	ug/kg	10/24/25 11:07	PB170234
11100-14-4	Aroclor-1268	4.10	U	1	4.10	19.4	ug/kg	10/24/25 11:07	PB170234
11096-82-5	Aroclor-1260	3.70	U	1	3.70	19.4	ug/kg	10/24/25 11:07	PB170234
SURROGATES									
877-09-8	Tetrachloro-m-xylene	25.3			30 (32) - 150 (144)	127%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.7			30 (32) - 150 (175)	108%	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

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Report of Analysis

Client:	Matrix New World Engineering	Date Collected:	10/22/25
Project:	PSEG Athenia Substation	Date Received:	10/22/25
Client Sample ID:	SS-26(0-0.5)	SDG No.:	Q3437
Lab Sample ID:	Q3437-05	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	88.4
Sample Wt/Vol:	30.03 g	Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541B	Prep Date: 10/23/25	

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	10/24/25 11:23	PB170234
11104-28-2	Aroclor-1221	4.60	U	1	4.60	19.2	ug/kg	10/24/25 11:23	PB170234
11141-16-5	Aroclor-1232	4.20	U	1	4.20	19.2	ug/kg	10/24/25 11:23	PB170234
53469-21-9	Aroclor-1242	4.50	U	1	4.50	19.2	ug/kg	10/24/25 11:23	PB170234
12672-29-6	Aroclor-1248	6.70	U	1	6.70	19.2	ug/kg	10/24/25 11:23	PB170234
11097-69-1	Aroclor-1254	168		1	3.60	19.2	ug/kg	10/24/25 11:23	PB170234
37324-23-5	Aroclor-1262	5.70	U	1	5.70	19.2	ug/kg	10/24/25 11:23	PB170234
11100-14-4	Aroclor-1268	4.10	U	1	4.10	19.2	ug/kg	10/24/25 11:23	PB170234
11096-82-5	Aroclor-1260	3.70	U	1	3.70	19.2	ug/kg	10/24/25 11:23	PB170234
SURROGATES									
877-09-8	Tetrachloro-m-xylene	25.1			30 (32) - 150 (144)	125%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.6			30 (32) - 150 (175)	108%	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

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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:	Matrix New World Engineering	Date Collected:	10/22/25
Project:	PSEG Athenia Substation	Date Received:	10/22/25
Client Sample ID:	SS-27(0-0.5)	SDG No.:	Q3437
Lab Sample ID:	Q3437-11	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	93.6
Sample Wt/Vol:	30.02 g	Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541B	Prep Date: 10/23/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.20	U	1	4.20	18.2	ug/kg	10/24/25 11:39	PB170234
11104-28-2	Aroclor-1221	4.30	U	1	4.30	18.2	ug/kg	10/24/25 11:39	PB170234
11141-16-5	Aroclor-1232	4.00	U	1	4.00	18.2	ug/kg	10/24/25 11:39	PB170234
53469-21-9	Aroclor-1242	4.30	U	1	4.30	18.2	ug/kg	10/24/25 11:39	PB170234
12672-29-6	Aroclor-1248	6.30	U	1	6.30	18.2	ug/kg	10/24/25 11:39	PB170234
11097-69-1	Aroclor-1254	50.1		1	3.40	18.2	ug/kg	10/24/25 11:39	PB170234
37324-23-5	Aroclor-1262	5.40	U	1	5.40	18.2	ug/kg	10/24/25 11:39	PB170234
11100-14-4	Aroclor-1268	3.80	U	1	3.80	18.2	ug/kg	10/24/25 11:39	PB170234
11096-82-5	Aroclor-1260	3.40	U	1	3.40	18.2	ug/kg	10/24/25 11:39	PB170234
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.8			30 (32) - 150 (144)	119%	SPK: 20		
2051-24-3	Decachlorobiphenyl	26.0			30 (32) - 150 (175)	130%	SPK: 20		

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MDL = Method Detection Limit
LOD = Limit of Detection
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Report of Analysis

Client:	Matrix New World Engineering	Date Collected:	10/22/25
Project:	PSEG Athenia Substation	Date Received:	10/22/25
Client Sample ID:	SS-25(0-0.5)	SDG No.:	Q3437
Lab Sample ID:	Q3437-14	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.4
Sample Wt/Vol:	30.08 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.40	U	1	4.40	19.0	ug/kg	10/24/25 10:42	PB170234
11104-28-2	Aroclor-1221	4.50	U	1	4.50	19.0	ug/kg	10/24/25 10:42	PB170234
11141-16-5	Aroclor-1232	4.20	U	1	4.20	19.0	ug/kg	10/24/25 10:42	PB170234
53469-21-9	Aroclor-1242	4.50	U	1	4.50	19.0	ug/kg	10/24/25 10:42	PB170234
12672-29-6	Aroclor-1248	6.60	U	1	6.60	19.0	ug/kg	10/24/25 10:42	PB170234
11097-69-1	Aroclor-1254	796	E	1	3.60	19.0	ug/kg	10/24/25 10:42	PB170234
37324-23-5	Aroclor-1262	5.60	U	1	5.60	19.0	ug/kg	10/24/25 10:42	PB170234
11100-14-4	Aroclor-1268	4.00	U	1	4.00	19.0	ug/kg	10/24/25 10:42	PB170234
11096-82-5	Aroclor-1260	3.60	U	1	3.60	19.0	ug/kg	10/24/25 10:42	PB170234
SURROGATES									
877-09-8	Tetrachloro-m-xylene	27.9			30 (32) - 150 (144)	140%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.1			30 (32) - 150 (175)	111%	SPK: 20		

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Report of Analysis

Client:	Matrix New World Engineering	Date Collected:	10/22/25
Project:	PSEG Athenia Substation	Date Received:	10/22/25
Client Sample ID:	SS-25(0-0.5)DL	SDG No.:	Q3437
Lab Sample ID:	Q3437-14DL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.4
Sample Wt/Vol:	30.08 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	22.0	UD	5	22.0	94.8	ug/kg	10/24/25 11:37	PB170234
11104-28-2	Aroclor-1221	22.5	UD	5	22.5	94.8	ug/kg	10/24/25 11:37	PB170234
11141-16-5	Aroclor-1232	20.8	UD	5	20.8	94.8	ug/kg	10/24/25 11:37	PB170234
53469-21-9	Aroclor-1242	22.4	UD	5	22.4	94.8	ug/kg	10/24/25 11:37	PB170234
12672-29-6	Aroclor-1248	33.0	UD	5	33.0	94.8	ug/kg	10/24/25 11:37	PB170234
11097-69-1	Aroclor-1254	635	D	5	17.9	94.8	ug/kg	10/24/25 11:37	PB170234
37324-23-5	Aroclor-1262	28.0	UD	5	28.0	94.8	ug/kg	10/24/25 11:37	PB170234
11100-14-4	Aroclor-1268	20.1	UD	5	20.1	94.8	ug/kg	10/24/25 11:37	PB170234
11096-82-5	Aroclor-1260	18.0	UD	5	18.0	94.8	ug/kg	10/24/25 11:37	PB170234
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.0			30 (32) - 150 (144)	110%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.9			30 (32) - 150 (175)	100%	SPK: 20		

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Report of Analysis

Client:	Matrix New World Engineering	Date Collected:	10/22/25
Project:	PSEG Athenia Substation	Date Received:	10/22/25
Client Sample ID:	SS-32(0-0.5)	SDG No.:	Q3437
Lab Sample ID:	Q3437-15	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.5
Sample Wt/Vol:	30.06 g	Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541B	Prep Date: 10/31/25	

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	10/31/25 23:23	PB170358
11104-28-2	Aroclor-1221	4.60	U	1	4.60	19.6	ug/kg	10/31/25 23:23	PB170358
11141-16-5	Aroclor-1232	4.30	U	1	4.30	19.6	ug/kg	10/31/25 23:23	PB170358
53469-21-9	Aroclor-1242	4.60	U	1	4.60	19.6	ug/kg	10/31/25 23:23	PB170358
12672-29-6	Aroclor-1248	6.80	U	1	6.80	19.6	ug/kg	10/31/25 23:23	PB170358
11097-69-1	Aroclor-1254	29.6		1	3.70	19.6	ug/kg	10/31/25 23:23	PB170358
37324-23-5	Aroclor-1262	5.80	U	1	5.80	19.6	ug/kg	10/31/25 23:23	PB170358
11100-14-4	Aroclor-1268	4.20	U	1	4.20	19.6	ug/kg	10/31/25 23:23	PB170358
11096-82-5	Aroclor-1260	3.70	U	1	3.70	19.6	ug/kg	10/31/25 23:23	PB170358
SURROGATES									
877-09-8	Tetrachloro-m-xylene	20.6			30 (32) - 150 (144)	103%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.0			30 (32) - 150 (175)	105%	SPK: 20		

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Matrix New World Engineering	Date Collected:	10/22/25
Project:	PSEG Athenia Substation	Date Received:	10/22/25
Client Sample ID:	SS-23(0-0.5)	SDG No.:	Q3437
Lab Sample ID:	Q3437-16	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	93.5
Sample Wt/Vol:	30.04 g	Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541B	Prep Date: 10/23/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.20	U	1	4.20	18.2	ug/kg	10/27/25 10:54	PB170234
11104-28-2	Aroclor-1221	4.30	U	1	4.30	18.2	ug/kg	10/27/25 10:54	PB170234
11141-16-5	Aroclor-1232	4.00	U	1	4.00	18.2	ug/kg	10/27/25 10:54	PB170234
53469-21-9	Aroclor-1242	4.30	U	1	4.30	18.2	ug/kg	10/27/25 10:54	PB170234
12672-29-6	Aroclor-1248	6.30	U	1	6.30	18.2	ug/kg	10/27/25 10:54	PB170234
11097-69-1	Aroclor-1254	9.00	J	1	3.40	18.2	ug/kg	10/27/25 10:54	PB170234
37324-23-5	Aroclor-1262	5.40	U	1	5.40	18.2	ug/kg	10/27/25 10:54	PB170234
11100-14-4	Aroclor-1268	3.80	U	1	3.80	18.2	ug/kg	10/27/25 10:54	PB170234
11096-82-5	Aroclor-1260	3.40	U	1	3.40	18.2	ug/kg	10/27/25 10:54	PB170234
SURROGATES									
877-09-8	Tetrachloro-m-xylene	29.0			30 (32) - 150 (144)	145%	SPK: 20		
2051-24-3	Decachlorobiphenyl	27.5			30 (32) - 150 (175)	138%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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() = Laboratory InHouse Limit

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LAB CHRONICLE

OrderID:	Q3437	**OrderDate:**	10/22/2025 5:17:05 PM
Client:	Matrix New World Engineering	**Project:**	PSEG Athenia Substation
Contact:	Christopher Pittarese	**Location:**	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3437-03	**SS-15R(2.0-2.5)**	**SOIL**			**10/22/25**			**10/22/25**
			PCB	8082A		10/23/25	10/24/25	
Q3437-05	**SS-26(0-0.5)**	**SOIL**			**10/22/25**			**10/22/25**
			PCB	8082A		10/23/25	10/24/25	
Q3437-11	**SS-27(0-0.5)**	**SOIL**			**10/22/25**			**10/22/25**
			PCB	8082A		10/23/25	10/24/25	
Q3437-14	**SS-25(0-0.5)**	**SOIL**			**10/22/25**			**10/22/25**
			PCB	8082A		10/23/25	10/24/25	
Q3437-14DL	**SS-25(0-0.5)DL**	**SOIL**			**10/22/25**			**10/22/25**
			PCB	8082A		10/23/25	10/24/25	
Q3437-15	**SS-32(0-0.5)**	**SOIL**			**10/22/25**			**10/22/25**
			PCB	8082A		10/31/25	10/31/25	
Q3437-16	**SS-23(0-0.5)**	**SOIL**			**10/22/25**			**10/22/25**
			PCB	8082A		10/23/25	10/27/25	