284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : PSEG ATHENIA SUBSTATION

MATRIX NEW WORLD ENGINEERING

26 Columbia Turnpike

Florham Park, NJ - 07932

Phone No: 973-240-1800

ORDER ID : Q3450

ATTENTION : Christopher Pittarese

Laboratory Certification ID # 20012

Table Of Contents for Q3450

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC
Client : Matrix New World Engineering
Project Location : Clifton
Project Number : 24-0935
Laboratory Sample ID(s) : Q3450
Sampling Date(s) : 10/23/2025
List DKQP Methods Used (e.g., 8260,8270, et Cetra) **8082A**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☑ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☐ Yes ☑ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☐ Yes ☑ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☑ Yes ☐ No ☑ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☑ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

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Cover Page

Order ID : Q3450

Project ID : PSEG Athenia Substation

Client : Matrix New World Engineering

Lab Sample Number	Client Sample Number
Q3450-01	SS-5R-(2.0-2.5)
Q3450-02	SS-5R-(3.5-4.0)
Q3450-04	SS-10R-(3.5-4.0)
Q3450-06	SS-13R-(5.0-5.5)
Q3450-07	SS-13R-(4.5-5.0)
Q3450-08	SS-20-(0.0-0.5)
Q3450-09	SS-20-(2.0-2.5)
Q3450-10	SS-20-(3.5-4.0)
Q3450-11	SS-28-(2.0-2.5)
Q3450-20	SS-21-(0.0-0.5)
Q3450-21	SS-21-(2.0-2.5)
Q3450-22	SS-21-(3.5-4.0)
Q3450-23	SS-22-(0.0-0.5)
Q3450-25	SS-22-(3.5-4.0)

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : APPROVED
By Sohil Jodhani, QA/QC Director at 3:01 pm, Nov 14, 2025

Date: 11/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Matrix New World Engineering
Project Name: PSEG Athenia Substation
Project # N/A
Order ID # Q3450
Test Name: PCB

A. Number of Samples and Date of Receipt:
14 Solid samples were received on 10/23/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: PCB. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_Q.The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration File ID PP076292.D met the requirements except for Aroclor-1260(Peak-04) is failing in 2nd column, however it is passed in 1st column therefore no corrective action was taken.

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Samples SS-21-(0.0-0.5), SS-21-(3.5-4.0) and SS-22-(0.0-0.5) were diluted due to high concentrations.

E. Additional Comments:
The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_ APPROVED
By Sohil Jodhani, QA/QC Director at 3:01 pm, Nov 14, 2025

284 Sheffield Street, Mountainside NJ 07092 Tel.
908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3450

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 11/14/2025

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Hit Summary Sheet
SW-846

SDG No.: Q3450 **Order ID:** Q3450

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**SS-5R-(2.0-2.5)**							
Q3450-01	SS-5R-(2.0-2.5)	SOIL	Aroclor-1254	45.5		3.50	18.3	ug/kg
			Total Concentration:	**45.500**				
Client ID :	**SS-5R-(3.5-4.0)**							
Q3450-02	SS-5R-(3.5-4.0)	SOIL	Aroclor-1254	11.3	J	3.70	19.6	ug/kg
			Total Concentration:	**11.300**				
Client ID :	**SS-13R-(4.5-5.0)**							
Q3450-07	SS-13R-(4.5-5.0)	SOIL	Aroclor-1254	13.8	J	3.80	19.9	ug/kg
			Total Concentration:	**13.800**				
Client ID :	**SS-20-(0.0-0.5)**							
Q3450-08	SS-20-(0.0-0.5)	SOIL	Aroclor-1254	174		3.40	18.2	ug/kg
			Total Concentration:	**174.000**				
Client ID :	**SS-20-(2.0-2.5)**							
Q3450-09	SS-20-(2.0-2.5)	SOIL	Aroclor-1254	11.3	J	3.70	19.6	ug/kg
			Total Concentration:	**11.300**				
Client ID :	**SS-20-(3.5-4.0)**							
Q3450-10	SS-20-(3.5-4.0)	SOIL	Aroclor-1254	55.2		3.80	20.2	ug/kg
			Total Concentration:	**55.200**				
Client ID :	**SS-21-(0.0-0.5)**							
Q3450-20	SS-21-(0.0-0.5)	SOIL	Aroclor-1254	593	E	3.50	18.5	ug/kg
			Total Concentration:	**593.000**				
Client ID :	**SS-21-(0.0-0.5)DL**							
Q3450-20DL	SS-21-(0.0-0.5)DL	SOIL	Aroclor-1254	509	D	17.5	92.5	ug/kg
			Total Concentration:	**509.000**				
Client ID :	**SS-21-(3.5-4.0)**							
Q3450-22	SS-21-(3.5-4.0)	SOIL	Aroclor-1254	516	E	3.80	20.0	ug/kg
			Total Concentration:	**516.000**				
Client ID :	**SS-21-(3.5-4.0)DL**							
Q3450-22DL	SS-21-(3.5-4.0)DL	SOIL	Aroclor-1254	503	D	7.60	40.1	ug/kg

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Hit Summary Sheet
SW-846

SDG No.: Q3450 **Order ID:** Q3450

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:	**503.000**				
Client ID :	**SS-22-(0.0-0.5)**							
Q3450-23	SS-22-(0.0-0.5)	SOIL	Aroclor-1254	1200	E	3.50	18.6	ug/kg
			Total Concentration:	**1,200.000**				
Client ID :	**SS-22-(0.0-0.5)DL**							
Q3450-23DL	SS-22-(0.0-0.5)DL	SOIL	Aroclor-1254	881	D	17.5	92.8	ug/kg
			Total Concentration:	**881.000**				
Client ID :	**SS-22-(3.5-4.0)**							
Q3450-25	SS-22-(3.5-4.0)	SOIL	Aroclor-1254	381		3.90	20.5	ug/kg
			Total Concentration:	**381.000**				

SAMPLE DATA

Alliance TECHNICAL GROUP
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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-(2.0-2.5)	SDG No.:	Q3450
Lab Sample ID:	Q3450-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	92.9
Sample Wt/Vol:	30.03 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date: 10/24/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.20	U	1	4.20	18.3	ug/kg	10/27/25 09:26	PB170236
11104-28-2	Aroclor-1221	4.30	U	1	4.30	18.3	ug/kg	10/27/25 09:26	PB170236
11141-16-5	Aroclor-1232	4.00	U	1	4.00	18.3	ug/kg	10/27/25 09:26	PB170236
53469-21-9	Aroclor-1242	4.30	U	1	4.30	18.3	ug/kg	10/27/25 09:26	PB170236
12672-29-6	Aroclor-1248	6.40	U	1	6.40	18.3	ug/kg	10/27/25 09:26	PB170236
11097-69-1	Aroclor-1254	45.5		1	3.50	18.3	ug/kg	10/27/25 09:26	PB170236
37324-23-5	Aroclor-1262	5.40	U	1	5.40	18.3	ug/kg	10/27/25 09:26	PB170236
11100-14-4	Aroclor-1268	3.90	U	1	3.90	18.3	ug/kg	10/27/25 09:26	PB170236
11096-82-5	Aroclor-1260	3.50	U	1	3.50	18.3	ug/kg	10/27/25 09:26	PB170236
SURROGATES									
877-09-8	Tetrachloro-m-xylene	27.2			30 (21) - 150 (165)	136%	SPK: 20		
2051-24-3	Decachlorobiphenyl	28.0			30 (10) - 150 (170)	140%	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:	10/23/25
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	Test:	PCB
Prep Method:	SW3541B 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 (21) - 150 (165)	135%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.4			30 (10) - 150 (170)	127%	SPK: 20		

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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
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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:	10/23/25
Project:	PSEG Athenia Substation	Date Received:	10/23/25
Client Sample ID:	SS-10R-(3.5-4.0)	SDG No.:	Q3450
Lab Sample ID:	Q3450-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.6
Sample Wt/Vol:	30.09 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	4.50	U	1	4.50	19.6	ug/kg	10/31/25 23:40	PB170358
11104-28-2	Aroclor-1221	4.60	U	1	4.60	19.6	ug/kg	10/31/25 23:40	PB170358
11141-16-5	Aroclor-1232	4.30	U	1	4.30	19.6	ug/kg	10/31/25 23:40	PB170358
53469-21-9	Aroclor-1242	4.60	U	1	4.60	19.6	ug/kg	10/31/25 23:40	PB170358
12672-29-6	Aroclor-1248	6.80	U	1	6.80	19.6	ug/kg	10/31/25 23:40	PB170358
11097-69-1	Aroclor-1254	3.70	U	1	3.70	19.6	ug/kg	10/31/25 23:40	PB170358
37324-23-5	Aroclor-1262	5.80	U	1	5.80	19.6	ug/kg	10/31/25 23:40	PB170358
11100-14-4	Aroclor-1268	4.10	U	1	4.10	19.6	ug/kg	10/31/25 23:40	PB170358
11096-82-5	Aroclor-1260	3.70	U	1	3.70	19.6	ug/kg	10/31/25 23:40	PB170358
SURROGATES									
877-09-8	Tetrachloro-m-xylene	17.1			30 (21) - 150 (165)	86%	SPK: 20		
2051-24-3	Decachlorobiphenyl	13.4			30 (10) - 150 (170)	67%	SPK: 20		

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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
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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-13R-(5.0-5.5)	SDG No.:	Q3450
Lab Sample ID:	Q3450-06	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84.1
Sample Wt/Vol:	30.03 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	4.70	U	1	4.70	20.2	ug/kg	11/01/25 00:45	PB170358
11104-28-2	Aroclor-1221	4.80	U	1	4.80	20.2	ug/kg	11/01/25 00:45	PB170358
11141-16-5	Aroclor-1232	4.40	U	1	4.40	20.2	ug/kg	11/01/25 00:45	PB170358
53469-21-9	Aroclor-1242	4.80	U	1	4.80	20.2	ug/kg	11/01/25 00:45	PB170358
12672-29-6	Aroclor-1248	7.00	U	1	7.00	20.2	ug/kg	11/01/25 00:45	PB170358
11097-69-1	Aroclor-1254	3.80	U	1	3.80	20.2	ug/kg	11/01/25 00:45	PB170358
37324-23-5	Aroclor-1262	6.00	U	1	6.00	20.2	ug/kg	11/01/25 00:45	PB170358
11100-14-4	Aroclor-1268	4.30	U	1	4.30	20.2	ug/kg	11/01/25 00:45	PB170358
11096-82-5	Aroclor-1260	3.80	U	1	3.80	20.2	ug/kg	11/01/25 00:45	PB170358
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.4			30 (21) - 150 (165)	112%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.1			30 (10) - 150 (170)	101%	SPK: 20		

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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-13R-(4.5-5.0)	SDG No.:	Q3450
Lab Sample ID:	Q3450-07	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.3
Sample Wt/Vol:	30.08 g Final Vol:10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date:10/31/25 12:10		

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	19.9	ug/kg	11/12/25 15:36	PB170358
11104-28-2	Aroclor-1221	4.70	U	1	4.70	19.9	ug/kg	11/12/25 15:36	PB170358
11141-16-5	Aroclor-1232	4.30	U	1	4.30	19.9	ug/kg	11/12/25 15:36	PB170358
53469-21-9	Aroclor-1242	4.70	U	1	4.70	19.9	ug/kg	11/12/25 15:36	PB170358
12672-29-6	Aroclor-1248	6.90	U	1	6.90	19.9	ug/kg	11/12/25 15:36	PB170358
11097-69-1	Aroclor-1254	13.8	J	1	3.80	19.9	ug/kg	11/12/25 15:36	PB170358
37324-23-5	Aroclor-1262	5.90	U	1	5.90	19.9	ug/kg	11/12/25 15:36	PB170358
11100-14-4	Aroclor-1268	4.20	U	1	4.20	19.9	ug/kg	11/12/25 15:36	PB170358
11096-82-5	Aroclor-1260	3.80	U	1	3.80	19.9	ug/kg	11/12/25 15:36	PB170358
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.4			30 (21) - 150 (165)	117%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.9			30 (10) - 150 (170)	115%	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

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-20-(0.0-0.5)	SDG No.:	Q3450
Lab Sample ID:	Q3450-08	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	93.5
Sample Wt/Vol:	30.01 g	Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541B	Prep Date: 10/24/25 12:05	

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 10:24	PB170236
11104-28-2	Aroclor-1221	4.30	U	1	4.30	18.2	ug/kg	10/27/25 10:24	PB170236
11141-16-5	Aroclor-1232	4.00	U	1	4.00	18.2	ug/kg	10/27/25 10:24	PB170236
53469-21-9	Aroclor-1242	4.30	U	1	4.30	18.2	ug/kg	10/27/25 10:24	PB170236
12672-29-6	Aroclor-1248	6.30	U	1	6.30	18.2	ug/kg	10/27/25 10:24	PB170236
11097-69-1	Aroclor-1254	174		1	3.40	18.2	ug/kg	10/27/25 10:24	PB170236
37324-23-5	Aroclor-1262	5.40	U	1	5.40	18.2	ug/kg	10/27/25 10:24	PB170236
11100-14-4	Aroclor-1268	3.80	U	1	3.80	18.2	ug/kg	10/27/25 10:24	PB170236
11096-82-5	Aroclor-1260	3.50	U	1	3.50	18.2	ug/kg	10/27/25 10:24	PB170236
SURROGATES									
877-09-8	Tetrachloro-m-xylene	26.8			30 (21) - 150 (165)	134%	SPK: 20		
2051-24-3	Decachlorobiphenyl	28.1			30 (10) - 150 (170)	140%	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:	10/23/25
Project:	PSEG Athenia Substation	Date Received:	10/23/25
Client Sample ID:	SS-20-(2.0-2.5)	SDG No.:	Q3450
Lab Sample ID:	Q3450-09	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.3
Sample Wt/Vol:	30.09 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B 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 10:39	PB170236
11104-28-2	Aroclor-1221	4.70	U	1	4.70	19.6	ug/kg	10/27/25 10:39	PB170236
11141-16-5	Aroclor-1232	4.30	U	1	4.30	19.6	ug/kg	10/27/25 10:39	PB170236
53469-21-9	Aroclor-1242	4.60	U	1	4.60	19.6	ug/kg	10/27/25 10:39	PB170236
12672-29-6	Aroclor-1248	6.80	U	1	6.80	19.6	ug/kg	10/27/25 10:39	PB170236
11097-69-1	Aroclor-1254	11.3	J	1	3.70	19.6	ug/kg	10/27/25 10:39	PB170236
37324-23-5	Aroclor-1262	5.80	U	1	5.80	19.6	ug/kg	10/27/25 10:39	PB170236
11100-14-4	Aroclor-1268	4.20	U	1	4.20	19.6	ug/kg	10/27/25 10:39	PB170236
11096-82-5	Aroclor-1260	3.70	U	1	3.70	19.6	ug/kg	10/27/25 10:39	PB170236
SURROGATES									
877-09-8	Tetrachloro-m-xylene	27.2			30 (21) - 150 (165)	136%	SPK: 20		
2051-24-3	Decachlorobiphenyl	27.4			30 (10) - 150 (170)	137%	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:	10/23/25
Project:	PSEG Athenia Substation	Date Received:	10/23/25
Client Sample ID:	SS-20-(3.5-4.0)	SDG No.:	Q3450
Lab Sample ID:	Q3450-10	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84
Sample Wt/Vol:	30.07 g	Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541B	Prep Date: 10/24/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.70	U	1	4.70	20.2	ug/kg	10/24/25 20:52	PB170236
11104-28-2	Aroclor-1221	4.80	U	1	4.80	20.2	ug/kg	10/24/25 20:52	PB170236
11141-16-5	Aroclor-1232	4.40	U	1	4.40	20.2	ug/kg	10/24/25 20:52	PB170236
53469-21-9	Aroclor-1242	4.80	U	1	4.80	20.2	ug/kg	10/24/25 20:52	PB170236
12672-29-6	Aroclor-1248	7.00	U	1	7.00	20.2	ug/kg	10/24/25 20:52	PB170236
11097-69-1	Aroclor-1254	55.2		1	3.80	20.2	ug/kg	10/24/25 20:52	PB170236
37324-23-5	Aroclor-1262	6.00	U	1	6.00	20.2	ug/kg	10/24/25 20:52	PB170236
11100-14-4	Aroclor-1268	4.30	U	1	4.30	20.2	ug/kg	10/24/25 20:52	PB170236
11096-82-5	Aroclor-1260	3.80	U	1	3.80	20.2	ug/kg	10/24/25 20:52	PB170236
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.1			30 (21) - 150 (165)	121%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.8			30 (10) - 150 (170)	129%	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:	10/23/25
Project:	PSEG Athenia Substation	Date Received:	10/23/25
Client Sample ID:	SS-28-(2.0-2.5)	SDG No.:	Q3450
Lab Sample ID:	Q3450-11	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	93
Sample Wt/Vol:	30.02 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date: 10/24/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.20	U	1	4.20	18.3	ug/kg	10/24/25 21:08	PB170236
11104-28-2	Aroclor-1221	4.30	U	1	4.30	18.3	ug/kg	10/24/25 21:08	PB170236
11141-16-5	Aroclor-1232	4.00	U	1	4.00	18.3	ug/kg	10/24/25 21:08	PB170236
53469-21-9	Aroclor-1242	4.30	U	1	4.30	18.3	ug/kg	10/24/25 21:08	PB170236
12672-29-6	Aroclor-1248	6.40	U	1	6.40	18.3	ug/kg	10/24/25 21:08	PB170236
11097-69-1	Aroclor-1254	3.40	U	1	3.40	18.3	ug/kg	10/24/25 21:08	PB170236
37324-23-5	Aroclor-1262	5.40	U	1	5.40	18.3	ug/kg	10/24/25 21:08	PB170236
11100-14-4	Aroclor-1268	3.90	U	1	3.90	18.3	ug/kg	10/24/25 21:08	PB170236
11096-82-5	Aroclor-1260	3.50	U	1	3.50	18.3	ug/kg	10/24/25 21:08	PB170236
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.3			30 (21) - 150 (165)	116%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.0			30 (10) - 150 (170)	125%	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:	10/23/25
Project:	PSEG Athenia Substation	Date Received:	10/23/25
Client Sample ID:	SS-21-(0.0-0.5)	SDG No.:	Q3450
Lab Sample ID:	Q3450-20	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	91.7
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date: 10/24/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.30	U	1	4.30	18.5	ug/kg	10/24/25 21:24	PB170236
11104-28-2	Aroclor-1221	4.40	U	1	4.40	18.5	ug/kg	10/24/25 21:24	PB170236
11141-16-5	Aroclor-1232	4.00	U	1	4.00	18.5	ug/kg	10/24/25 21:24	PB170236
53469-21-9	Aroclor-1242	4.40	U	1	4.40	18.5	ug/kg	10/24/25 21:24	PB170236
12672-29-6	Aroclor-1248	6.40	U	1	6.40	18.5	ug/kg	10/24/25 21:24	PB170236
11097-69-1	Aroclor-1254	593	E	1	3.50	18.5	ug/kg	10/24/25 21:24	PB170236
37324-23-5	Aroclor-1262	5.50	U	1	5.50	18.5	ug/kg	10/24/25 21:24	PB170236
11100-14-4	Aroclor-1268	3.90	U	1	3.90	18.5	ug/kg	10/24/25 21:24	PB170236
11096-82-5	Aroclor-1260	3.50	U	1	3.50	18.5	ug/kg	10/24/25 21:24	PB170236
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.0			30 (21) - 150 (165)	120%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.0			30 (10) - 150 (170)	125%	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:	10/23/25
Project:	PSEG Athenia Substation	Date Received:	10/23/25
Client Sample ID:	SS-21-(0.0-0.5)DL	SDG No.:	Q3450
Lab Sample ID:	Q3450-20DL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	91.7
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date: 10/24/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	21.5	UD	5	21.5	92.5	ug/kg	10/27/25 11:42	PB170236
11104-28-2	Aroclor-1221	21.9	UD	5	21.9	92.5	ug/kg	10/27/25 11:42	PB170236
11141-16-5	Aroclor-1232	20.2	UD	5	20.2	92.5	ug/kg	10/27/25 11:42	PB170236
53469-21-9	Aroclor-1242	21.8	UD	5	21.8	92.5	ug/kg	10/27/25 11:42	PB170236
12672-29-6	Aroclor-1248	32.2	UD	5	32.2	92.5	ug/kg	10/27/25 11:42	PB170236
11097-69-1	Aroclor-1254	509	D	5	17.5	92.5	ug/kg	10/27/25 11:42	PB170236
37324-23-5	Aroclor-1262	27.3	UD	5	27.3	92.5	ug/kg	10/27/25 11:42	PB170236
11100-14-4	Aroclor-1268	19.6	UD	5	19.6	92.5	ug/kg	10/27/25 11:42	PB170236
11096-82-5	Aroclor-1260	17.6	UD	5	17.6	92.5	ug/kg	10/27/25 11:42	PB170236
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.4			30 (21) - 150 (165)	107%	SPK: 20		
2051-24-3	Decachlorobiphenyl	24.8			30 (10) - 150 (170)	124%	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:	10/23/25
Project:	PSEG Athenia Substation	Date Received:	10/23/25
Client Sample ID:	SS-21-(2.0-2.5)	SDG No.:	Q3450
Lab Sample ID:	Q3450-21	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	93.2
Sample Wt/Vol:	30.08 g	Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541B	Prep Date: 10/24/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.20	U	1	4.20	18.2	ug/kg	10/24/25 21:41	PB170236
11104-28-2	Aroclor-1221	4.30	U	1	4.30	18.2	ug/kg	10/24/25 21:41	PB170236
11141-16-5	Aroclor-1232	4.00	U	1	4.00	18.2	ug/kg	10/24/25 21:41	PB170236
53469-21-9	Aroclor-1242	4.30	U	1	4.30	18.2	ug/kg	10/24/25 21:41	PB170236
12672-29-6	Aroclor-1248	6.30	U	1	6.30	18.2	ug/kg	10/24/25 21:41	PB170236
11097-69-1	Aroclor-1254	3.40	U	1	3.40	18.2	ug/kg	10/24/25 21:41	PB170236
37324-23-5	Aroclor-1262	5.40	U	1	5.40	18.2	ug/kg	10/24/25 21:41	PB170236
11100-14-4	Aroclor-1268	3.90	U	1	3.90	18.2	ug/kg	10/24/25 21:41	PB170236
11096-82-5	Aroclor-1260	3.50	U	1	3.50	18.2	ug/kg	10/24/25 21:41	PB170236
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.5			30 (21) - 150 (165)	123%	SPK: 20		
2051-24-3	Decachlorobiphenyl	26.4			30 (10) - 150 (170)	132%	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:	10/23/25
Project:	PSEG Athenia Substation	Date Received:	10/23/25
Client Sample ID:	SS-21-(3.5-4.0)	SDG No.:	Q3450
Lab Sample ID:	Q3450-22	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84.7
Sample Wt/Vol:	30.04 g	Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541B	Prep Date: 10/24/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.70	U	1	4.70	20.0	ug/kg	10/24/25 21:57	PB170236
11104-28-2	Aroclor-1221	4.80	U	1	4.80	20.0	ug/kg	10/24/25 21:57	PB170236
11141-16-5	Aroclor-1232	4.40	U	1	4.40	20.0	ug/kg	10/24/25 21:57	PB170236
53469-21-9	Aroclor-1242	4.70	U	1	4.70	20.0	ug/kg	10/24/25 21:57	PB170236
12672-29-6	Aroclor-1248	7.00	U	1	7.00	20.0	ug/kg	10/24/25 21:57	PB170236
11097-69-1	Aroclor-1254	516	E	1	3.80	20.0	ug/kg	10/24/25 21:57	PB170236
37324-23-5	Aroclor-1262	5.90	U	1	5.90	20.0	ug/kg	10/24/25 21:57	PB170236
11100-14-4	Aroclor-1268	4.20	U	1	4.20	20.0	ug/kg	10/24/25 21:57	PB170236
11096-82-5	Aroclor-1260	3.80	U	1	3.80	20.0	ug/kg	10/24/25 21:57	PB170236
SURROGATES									
877-09-8	Tetrachloro-m-xylene	20.1			30 (21) - 150 (165)	100%	SPK: 20		
2051-24-3	Decachlorobiphenyl	17.2			30 (10) - 150 (170)	86%	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

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

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	Test: PCB
Prep Method:	SW3541B	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

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

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-22-(0.0-0.5)	SDG No.:	Q3450
Lab Sample ID:	Q3450-23	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	91.4
Sample Wt/Vol:	30.05 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	4.30	U	1	4.30	18.6	ug/kg	11/01/25 01:01	PB170358
11104-28-2	Aroclor-1221	4.40	U	1	4.40	18.6	ug/kg	11/01/25 01:01	PB170358
11141-16-5	Aroclor-1232	4.10	U	1	4.10	18.6	ug/kg	11/01/25 01:01	PB170358
53469-21-9	Aroclor-1242	4.40	U	1	4.40	18.6	ug/kg	11/01/25 01:01	PB170358
12672-29-6	Aroclor-1248	6.50	U	1	6.50	18.6	ug/kg	11/01/25 01:01	PB170358
11097-69-1	Aroclor-1254	1200	E	1	3.50	18.6	ug/kg	11/01/25 01:01	PB170358
37324-23-5	Aroclor-1262	5.50	U	1	5.50	18.6	ug/kg	11/01/25 01:01	PB170358
11100-14-4	Aroclor-1268	3.90	U	1	3.90	18.6	ug/kg	11/01/25 01:01	PB170358
11096-82-5	Aroclor-1260	3.50	U	1	3.50	18.6	ug/kg	11/01/25 01:01	PB170358
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.0			30 (21) - 150 (165)	110%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.4			30 (10) - 150 (170)	97%	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

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

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-22-(0.0-0.5)DL	SDG No.:	Q3450
Lab Sample ID:	Q3450-23DL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	91.4
Sample Wt/Vol:	30.05 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	21.6	UD	5	21.6	92.8	ug/kg	11/03/25 10:09	PB170358
11104-28-2	Aroclor-1221	22.0	UD	5	22.0	92.8	ug/kg	11/03/25 10:09	PB170358
11141-16-5	Aroclor-1232	20.3	UD	5	20.3	92.8	ug/kg	11/03/25 10:09	PB170358
53469-21-9	Aroclor-1242	21.9	UD	5	21.9	92.8	ug/kg	11/03/25 10:09	PB170358
12672-29-6	Aroclor-1248	32.3	UD	5	32.3	92.8	ug/kg	11/03/25 10:09	PB170358
11097-69-1	Aroclor-1254	881	D	5	17.5	92.8	ug/kg	11/03/25 10:09	PB170358
37324-23-5	Aroclor-1262	27.4	UD	5	27.4	92.8	ug/kg	11/03/25 10:09	PB170358
11100-14-4	Aroclor-1268	19.7	UD	5	19.7	92.8	ug/kg	11/03/25 10:09	PB170358
11096-82-5	Aroclor-1260	17.6	UD	5	17.6	92.8	ug/kg	11/03/25 10:09	PB170358
SURROGATES									
877-09-8	Tetrachloro-m-xylene	15.8			30 (21) - 150 (165)	79%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.4			30 (10) - 150 (170)	82%	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

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

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-22-(3.5-4.0)	SDG No.:	Q3450
Lab Sample ID:	Q3450-25	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	82.7
Sample Wt/Vol:	30.04 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	4.80	U	1	4.80	20.5	ug/kg	11/01/25 01:17	PB170358
11104-28-2	Aroclor-1221	4.90	U	1	4.90	20.5	ug/kg	11/01/25 01:17	PB170358
11141-16-5	Aroclor-1232	4.50	U	1	4.50	20.5	ug/kg	11/01/25 01:17	PB170358
53469-21-9	Aroclor-1242	4.80	U	1	4.80	20.5	ug/kg	11/01/25 01:17	PB170358
12672-29-6	Aroclor-1248	7.10	U	1	7.10	20.5	ug/kg	11/01/25 01:17	PB170358
11097-69-1	Aroclor-1254	381		1	3.90	20.5	ug/kg	11/01/25 01:17	PB170358
37324-23-5	Aroclor-1262	6.10	U	1	6.10	20.5	ug/kg	11/01/25 01:17	PB170358
11100-14-4	Aroclor-1268	4.30	U	1	4.30	20.5	ug/kg	11/01/25 01:17	PB170358
11096-82-5	Aroclor-1260	3.90	U	1	3.90	20.5	ug/kg	11/01/25 01:17	PB170358
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.7			30 (21) - 150 (165)	98%	SPK: 20		
2051-24-3	Decachlorobiphenyl	13.6			30 (10) - 150 (170)	68%	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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M = MS/MSD acceptance criteria did not meet requirements

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() = Laboratory InHouse Limit

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

LAB CHRONICLE

OrderID:	Q3450	**OrderDate:**	10/23/2025 3:53:00 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
Q3450-01	**SS-5R-(2.0-2.5)**	**SOIL**			**10/23/25**			**10/23/25**
			PCB	8082A		10/24/25	10/27/25	
Q3450-02	**SS-5R-(3.5-4.0)**	**SOIL**			**10/23/25**			**10/23/25**
			PCB	8082A		10/24/25	10/27/25	
Q3450-04	**SS-10R-(3.5-4.0)**	**SOIL**			**10/23/25**			**10/23/25**
			PCB	8082A		10/31/25	10/31/25	
Q3450-06	**SS-13R-(5.0-5.5)**	**SOIL**			**10/23/25**			**10/23/25**
			PCB	8082A		10/31/25	11/01/25	
Q3450-07	**SS-13R-(4.5-5.0)**	**SOIL**			**10/23/25**			**10/23/25**
			PCB	8082A		10/31/25	11/12/25	
Q3450-08	**SS-20-(0.0-0.5)**	**SOIL**			**10/23/25**			**10/23/25**
			PCB	8082A		10/24/25	10/27/25	
Q3450-09	**SS-20-(2.0-2.5)**	**SOIL**			**10/23/25**			**10/23/25**
			PCB	8082A		10/24/25	10/27/25	
Q3450-10	**SS-20-(3.5-4.0)**	**SOIL**			**10/23/25**			**10/23/25**
			PCB	8082A		10/24/25	10/24/25	
Q3450-11	**SS-28-(2.0-2.5)**	**SOIL**			**10/23/25**			**10/23/25**
			PCB	8082A		10/24/25	10/24/25	
Q3450-20	**SS-21-(0.0-0.5)**	**SOIL**			**10/23/25**			**10/23/25**
			PCB	8082A		10/24/25	10/24/25	
Q3450-20DL	**SS-21-(0.0-0.5)DL**	**SOIL**			**10/23/25**			**10/23/25**

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LAB CHRONICLE

			PCB	8082A		10/24/25	10/27/25	
Q3450-21	**SS-21-(2.0-2.5)**	**SOIL**			**10/23/25**			**10/23/25**
			PCB	8082A		10/24/25	10/24/25	
Q3450-22	**SS-21-(3.5-4.0)**	**SOIL**			**10/23/25**			**10/23/25**
			PCB	8082A		10/24/25	10/24/25	
Q3450-22DL	**SS-21-(3.5-4.0)DL**	**SOIL**			**10/23/25**			**10/23/25**
			PCB	8082A		10/24/25	10/27/25	
Q3450-23	**SS-22-(0.0-0.5)**	**SOIL**			**10/23/25**			**10/23/25**
			PCB	8082A		10/31/25	11/01/25	
Q3450-23DL	**SS-22-(0.0-0.5)DL**	**SOIL**			**10/23/25**			**10/23/25**
			PCB	8082A		10/31/25	11/03/25	
Q3450-25	**SS-22-(3.5-4.0)**	**SOIL**			**10/23/25**			**10/23/25**
			PCB	8082A		10/31/25	11/01/25	

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q3450
QUOTE NO.
COC Number 2046803

6
6.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Matrix New World Eng
ADDRESS: 26 Columbia Tpke
CITY: Florham Park STATE: NJ ZIP: 07932
ATTENTION:
PHONE: 973-240-1800 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: PSEG Athenia Substation
PROJECT NO.: 24-0935 LOCATION: Clifton
PROJECT MANAGER: Chris Pittarese
e-mail: cpittarese@mnwe.com
PHONE: 973-240-1800 FAX:

CLIENT BILLING INFORMATION

BILL TO: SAME AS CLIENT PO#: INFO
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: 24HR (1 DAY) DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT
- ☐ Level 4 (QC + Full Raw Data)
- ☒ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other

ANALYSIS

RCRA

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	SS-5R (2.0-2.5)	S		X	10/23	1010	1	X									← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
2.	SS-5R (3.5-4.0)					1005	1	X									
3.	SS-10R (2.0-2.5)					1135	1	H									
4.	SS-10R (3.5-4.0)					1132	1	H									
5.	SS-13R (3.5-4.0)					0955	1	H									
6.	SS-13R (4.5-5.0)					0945	1	H									
7.	SS-13R (5.0-5.5)					0950	1	H									
8.	SS-20 (0.0-0.5)					1125	1	X									
9.	SS-20 (2.0-2.5)					1120	1	X									
10.	SS-20 (3.5-4.0)	↓	↓	↓	↓	1117	1	X									

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Madison Digati	10/23 1544	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.3 °C
Comments: X=run H=hold
24 Count

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP
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ALLIANCE PROJECT NO.
QUOTE NO. Q3450
COC Number 2044503

6
6.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Matrix New World Eng.
ADDRESS: 26 Columbia Tpke
CITY Florham Park STATE: NJ ZIP: 07932
ATTENTION:
PHONE: 973-240-1800 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: PSEG Athenia Substation
PROJECT NO.: 24_0935 LOCATION: Clifton
PROJECT MANAGER: Chris Pittarese
e-mail: cpittarese@mnwe.com
PHONE: 973-240-1800 FAX:

CLIENT BILLING INFORMATION

BILL TO: SAME AS CLIENT PO#: INFO
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: 24HR (1DAY) DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT _____
- ☐ Level 4 (QC + Full Raw Data)
- ☒ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other _____

ANALYSIS

1: PCBs 2 3 4 5 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	SS-28 (2.0-2.5)	S		X	10/23	1130	1	X									
2.	SS-29 (2.0-2.5)					1140	1	H									
3.	SS-30 (0.0-0.5)					1155	1	H									
4.	SS-30 (2.0-2.5)					1150	1	H									
5.	SS-30 (3.5-4.0)					1145	1	H									
6.	SS-31 (0.0-0.5)					1115	1	H									
7.	SS-34 (0.0-0.5)					0925	1	H									
8.	SS-34 (2.0-2.5)					0930	1	H									
9.	SS-34 (3.5-4.0)					0935	1	H									
10.	SS-21 (0.0-0.5)					1335	1	X									

Specify Preservatives: A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Madison Igoff	10/23 15:44	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.3°C °C
Comments: X=run H=hold
2 Containers

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP

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www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q3450
COC Number 2044504

6
6.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Matrix New World Eng
ADDRESS: 26 Columbia Tpke
CITY: Florham Park STATE: NJ ZIP: 07932
ATTENTION:
PHONE: 973-240-1800 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: PSEG Athenia Substation
PROJECT NO: 24-0935 LOCATION: Clifton
PROJECT MANAGER: Chris Pitterese
e-mail: cpitterese@mnre.com
PHONE: 973-240-1800 FAX:

CLIENT BILLING INFORMATION

BILL TO: SAME AS CLIENT PO#: INFO
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: 24HR (1 DAY) DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT _____
- ☐ Level 4 (QC + Full Raw Data)
- ☒ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other _____

ANALYSIS

1: PCBs 2 3 4 5 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	SS-21 (2.0-2.5)	S		X	10/23	1333	1	X									
2.	SS-21 (3.5-4.0)					1330	1	X									
3.	SS-22 (0.0-0.5)					1340	1	H									
4.	SS-22 (2.0-2.5)					1342	1	H									
5.	SS-22 (3.5-4.0)	↓		↓	↓	1338	1	H									
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME	RECEIVED BY:
1. RELINQUISHED BY SAMPLER: Matthew Tyrell	10/23 1544	1. CR
2. RELINQUISHED BY SAMPLER:	DATE/TIME:	2. RECEIVED BY:
3. RELINQUISHED BY SAMPLER:	DATE/TIME:	3. RECEIVED BY:

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2-3 °C
Comments: X=run H=hold
If Cooled

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

From: Christopher Pittarese <cpittarese@mnwe.com>
Sent: Thursday, October 30, 2025 8:27 PM
To: Yazmeen Gomez
Cc: Melanie Racaza
Subject: PSEG Athenia Substation

Hi Yazmeen-

Would you please submit the following contingency samples for analysis for PCBs on the same TAT provided on the initial run of samples? Please see notes below regarding lab IDs and let me know if anything is unclear of if there are any questions. Thanks.

Matrix ID	Lab ID	Date Collected	Analysis	Note
SS-13R (4.5-5.0)	Q3450-06	10/23/2025	PCB	I believe this sample is on the login summary report with the same Matrix ID that is listed for Q3450-07; please double check IDs.
SS-13R (5.0-5.5)	Q3450-07	10/23/2025	PCB	
SS-10R (3.5-4.0)	Q3450-04	10/23/2025	PCB	
SS-22 (0.0-0.5)	Q3450-23	10/23/2025	PCB	
SS-22 (3.5-4.0)	Q3450-25	10/23/2025	PCB	
SS-32 (0-0.5)	Q3437-25	10/22/2025	PCB	Sample not shown on login summary, please double check lab ID

Chris Pittarese, LSRP
Senior Project Manager

Matrix New World Engineering
3600 Route 66, 4th Floor
Neptune, NJ 07753
P: 973.240.1800
D: 732.515.4942
C: 609.276.7217
F: 973.240.1818

MATRIXNEWORLD
A TRUE ENVIRONMENTAL COMPANY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312