

Report of Analysis

Client:	PSEG	Date Collected:	10/30/25
Project:	Irvington - Metro Electric Division Sub HQ	Date Received:	10/30/25
Client Sample ID:	461	SDG No.:	Q3501
Lab Sample ID:	Q3501-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	19.7	U	10	9.30	19.7	mg/Kg	10/31/25 23:04	PB170342
108-95-2	Phenol	10.2	U	10	1.30	10.2	mg/Kg	10/31/25 23:04	PB170342
111-44-4	bis(2-Chloroethyl)ether	10.2	U	10	1.50	10.2	mg/Kg	10/31/25 23:04	PB170342
95-57-8	2-Chlorophenol	10.2	U	10	1.50	10.2	mg/Kg	10/31/25 23:04	PB170342
95-48-7	2-Methylphenol	10.2	U	10	1.80	10.2	mg/Kg	10/31/25 23:04	PB170342
108-60-1	2,2-oxybis(1-Chloropropane)	10.2	U	10	2.20	10.2	mg/Kg	10/31/25 23:04	PB170342
98-86-2	Acetophenone	10.2	U	10	1.80	10.2	mg/Kg	10/31/25 23:04	PB170342
65794-96-9	3+4-Methylphenols	19.7	U	10	2.50	19.7	mg/Kg	10/31/25 23:04	PB170342
621-64-7	n-Nitroso-di-n-propylamine	4.80	U	10	2.80	4.80	mg/Kg	10/31/25 23:04	PB170342
67-72-1	Hexachloroethane	10.2	U	10	1.10	10.2	mg/Kg	10/31/25 23:04	PB170342
98-95-3	Nitrobenzene	10.2	U	10	1.10	10.2	mg/Kg	10/31/25 23:04	PB170342
78-59-1	Isophorone	10.2	U	10	2.00	10.2	mg/Kg	10/31/25 23:04	PB170342
88-75-5	2-Nitrophenol	10.2	U	10	3.50	10.2	mg/Kg	10/31/25 23:04	PB170342
105-67-9	2,4-Dimethylphenol	10.2	U	10	3.90	10.2	mg/Kg	10/31/25 23:04	PB170342
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10	1.80	10.2	mg/Kg	10/31/25 23:04	PB170342
120-83-2	2,4-Dichlorophenol	10.2	U	10	1.70	10.2	mg/Kg	10/31/25 23:04	PB170342
91-20-3	Naphthalene	10.2	U	10	1.40	10.2	mg/Kg	10/31/25 23:04	PB170342
106-47-8	4-Chloroaniline	10.2	U	10	2.10	10.2	mg/Kg	10/31/25 23:04	PB170342
87-68-3	Hexachlorobutadiene	10.2	U	10	1.50	10.2	mg/Kg	10/31/25 23:04	PB170342
105-60-2	Caprolactam	19.7	U	10	3.10	19.7	mg/Kg	10/31/25 23:04	PB170342
59-50-7	4-Chloro-3-methylphenol	10.2	U	10	1.70	10.2	mg/Kg	10/31/25 23:04	PB170342
91-57-6	2-Methylnaphthalene	10.2	U	10	1.50	10.2	mg/Kg	10/31/25 23:04	PB170342
77-47-4	Hexachlorocyclopentadiene	19.7	U	10	6.90	19.7	mg/Kg	10/31/25 23:04	PB170342
88-06-2	2,4,6-Trichlorophenol	10.2	U	10	1.20	10.2	mg/Kg	10/31/25 23:04	PB170342
95-95-4	2,4,5-Trichlorophenol	10.2	U	10	1.70	10.2	mg/Kg	10/31/25 23:04	PB170342
92-52-4	1,1-Biphenyl	10.2	U	10	1.30	10.2	mg/Kg	10/31/25 23:04	PB170342
91-58-7	2-Chloronaphthalene	10.2	U	10	1.30	10.2	mg/Kg	10/31/25 23:04	PB170342
88-74-4	2-Nitroaniline	10.2	U	10	2.90	10.2	mg/Kg	10/31/25 23:04	PB170342
131-11-3	Dimethylphthalate	10.2	U	10	1.60	10.2	mg/Kg	10/31/25 23:04	PB170342
208-96-8	Acenaphthylene	10.2	U	10	1.70	10.2	mg/Kg	10/31/25 23:04	PB170342
606-20-2	2,6-Dinitrotoluene	10.2	U	10	2.00	10.2	mg/Kg	10/31/25 23:04	PB170342
99-09-2	3-Nitroaniline	10.2	U	10	2.70	10.2	mg/Kg	10/31/25 23:04	PB170342
83-32-9	Acenaphthene	10.2	U	10	1.30	10.2	mg/Kg	10/31/25 23:04	PB170342
51-28-5	2,4-Dinitrophenol	19.7	U	10	13.7	19.7	mg/Kg	10/31/25 23:04	PB170342
100-02-7	4-Nitrophenol	19.7	U	10	6.40	19.7	mg/Kg	10/31/25 23:04	PB170342
132-64-9	Dibenzofuran	10.2	U	10	1.40	10.2	mg/Kg	10/31/25 23:04	PB170342
121-14-2	2,4-Dinitrotoluene	10.2	U	10	3.00	10.2	mg/Kg	10/31/25 23:04	PB170342
84-66-2	Diethylphthalate	10.2	U	10	1.70	10.2	mg/Kg	10/31/25 23:04	PB170342
7005-72-3	4-Chlorophenyl-phenylether	10.2	U	10	1.60	10.2	mg/Kg	10/31/25 23:04	PB170342
86-73-7	Fluorene	10.2	U	10	1.50	10.2	mg/Kg	10/31/25 23:04	PB170342
100-01-6	4-Nitroaniline	10.2	U	10	3.80	10.2	mg/Kg	10/31/25 23:04	PB170342
534-52-1	4,6-Dinitro-2-methylphenol	19.7	U	10	6.20	19.7	mg/Kg	10/31/25 23:04	PB170342

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Lab Sample ID:	Q3501-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	10.2	U	10	2.00	10.2	mg/Kg	10/31/25 23:04	PB170342
101-55-3	4-Bromophenyl-phenylether	10.2	U	10	1.70	10.2	mg/Kg	10/31/25 23:04	PB170342
118-74-1	Hexachlorobenzene	10.2	U	10	1.50	10.2	mg/Kg	10/31/25 23:04	PB170342
1912-24-9	Atrazine	10.2	U	10	2.00	10.2	mg/Kg	10/31/25 23:04	PB170342
87-86-5	Pentachlorophenol	19.7	U	10	3.10	19.7	mg/Kg	10/31/25 23:04	PB170342
85-01-8	Phenanthrene	10.2	U	10	1.20	10.2	mg/Kg	10/31/25 23:04	PB170342
120-12-7	Anthracene	10.2	U	10	2.00	10.2	mg/Kg	10/31/25 23:04	PB170342
86-74-8	Carbazole	10.2	U	10	1.90	10.2	mg/Kg	10/31/25 23:04	PB170342
84-74-2	Di-n-butylphthalate	10.2	U	10	2.90	10.2	mg/Kg	10/31/25 23:04	PB170342
206-44-0	Fluoranthene	10.2	U	10	1.80	10.2	mg/Kg	10/31/25 23:04	PB170342
129-00-0	Pyrene	10.2	U	10	2.20	10.2	mg/Kg	10/31/25 23:04	PB170342
85-68-7	Butylbenzylphthalate	10.2	U	10	4.30	10.2	mg/Kg	10/31/25 23:04	PB170342
91-94-1	3,3-Dichlorobenzidine	19.7	U	10	2.20	19.7	mg/Kg	10/31/25 23:04	PB170342
56-55-3	Benzo(a)anthracene	10.2	U	10	1.40	10.2	mg/Kg	10/31/25 23:04	PB170342
218-01-9	Chrysene	10.2	U	10	1.20	10.2	mg/Kg	10/31/25 23:04	PB170342
117-81-7	Bis(2-ethylhexyl)phthalate	11.6		10	3.50	10.2	mg/Kg	10/31/25 23:04	PB170342
117-84-0	Di-n-octyl phthalate	19.7	U	10	5.20	19.7	mg/Kg	10/31/25 23:04	PB170342
205-99-2	Benzo(b)fluoranthene	10.2	U	10	1.10	10.2	mg/Kg	10/31/25 23:04	PB170342
207-08-9	Benzo(k)fluoranthene	10.2	U	10	1.30	10.2	mg/Kg	10/31/25 23:04	PB170342
50-32-8	Benzo(a)pyrene	10.2	U	10	1.80	10.2	mg/Kg	10/31/25 23:04	PB170342
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10	1.70	10.2	mg/Kg	10/31/25 23:04	PB170342
53-70-3	Dibenzo(a,h)anthracene	10.2	U	10	1.60	10.2	mg/Kg	10/31/25 23:04	PB170342
191-24-2	Benzo(g,h,i)perylene	10.2	U	10	1.50	10.2	mg/Kg	10/31/25 23:04	PB170342
95-94-3	1,2,4,5-Tetrachlorobenzene	10.2	U	10	1.50	10.2	mg/Kg	10/31/25 23:04	PB170342
123-91-1	1,4-Dioxane	10.2	U	10	2.70	10.2	mg/Kg	10/31/25 23:04	PB170342
58-90-2	2,3,4,6-Tetrachlorophenol	10.2	U	10	1.60	10.2	mg/Kg	10/31/25 23:04	PB170342

SURROGATES

367-12-4	2-Fluorophenol	0	*	18 - 112	0%	SPK: 150
13127-88-3	Phenol-d6	0	*	15 - 107	0%	SPK: 150
4165-60-0	Nitrobenzene-d5	7.76	*	18 - 107	8%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.4		20 - 109	42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	62.1		10 - 116	41%	SPK: 150
1718-51-0	Terphenyl-d14	50.4		10 - 105	50%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	47300
1146-65-2	Naphthalene-d8	174000
15067-26-2	Acenaphthene-d10	118000
1517-22-2	Phenanthrene-d10	209000
1719-03-5	Chrysene-d12	249000
1520-96-3	Perylene-d12	300000

TENTATIVE IDENTIFIED COMPOUNDS

013287-21-3	Tridecane, 6-methyl-	22200	J	13.7	ug/Kg
000544-76-3	Hexadecane	29500	J	14.7	ug/Kg

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Prep Method :	SW3510C		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
007225-66-3	Tridecane, 7-hexyl-	37800	J			15.4	ug/Kg		
010105-38-1	Pentadecane, 6-methyl-	25700	J			15.7	ug/Kg		
003892-00-0	Pentadecane, 2,6,10-trimethyl-	28100	J			16.6	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products