

Report of Analysis

Client:	PSEG	Date Collected:	12/03/25
Project:	Palisades Electric HQ	Date Received:	12/03/25
Client Sample ID:	4207	SDG No.:	Q3770
Lab Sample ID:	Q3770-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.04 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/04/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	3.90	U	2	1.90	3.90	mg/Kg	12/04/25 16:38	PB170823
108-95-2	Phenol	2.00	U	2	0.26	2.00	mg/Kg	12/04/25 16:38	PB170823
111-44-4	bis(2-Chloroethyl)ether	2.00	U	2	0.29	2.00	mg/Kg	12/04/25 16:38	PB170823
95-57-8	2-Chlorophenol	2.00	U	2	0.29	2.00	mg/Kg	12/04/25 16:38	PB170823
95-48-7	2-Methylphenol	2.00	U	2	0.36	2.00	mg/Kg	12/04/25 16:38	PB170823
108-60-1	2,2-oxybis(1-Chloropropane)	2.00	U	2	0.45	2.00	mg/Kg	12/04/25 16:38	PB170823
98-86-2	Acetophenone	2.00	U	2	0.35	2.00	mg/Kg	12/04/25 16:38	PB170823
65794-96-9	3+4-Methylphenols	3.90	U	2	0.49	3.90	mg/Kg	12/04/25 16:38	PB170823
621-64-7	n-Nitroso-di-n-propylamine	0.95	U	2	0.56	0.95	mg/Kg	12/04/25 16:38	PB170823
67-72-1	Hexachloroethane	2.00	U	2	0.21	2.00	mg/Kg	12/04/25 16:38	PB170823
98-95-3	Nitrobenzene	2.00	U	2	0.22	2.00	mg/Kg	12/04/25 16:38	PB170823
78-59-1	Isophorone	2.00	U	2	0.39	2.00	mg/Kg	12/04/25 16:38	PB170823
88-75-5	2-Nitrophenol	2.00	U	2	0.69	2.00	mg/Kg	12/04/25 16:38	PB170823
105-67-9	2,4-Dimethylphenol	2.00	U	2	0.77	2.00	mg/Kg	12/04/25 16:38	PB170823
111-91-1	bis(2-Chloroethoxy)methane	2.00	U	2	0.37	2.00	mg/Kg	12/04/25 16:38	PB170823
120-83-2	2,4-Dichlorophenol	2.00	U	2	0.34	2.00	mg/Kg	12/04/25 16:38	PB170823
91-20-3	Naphthalene	2.00	U	2	0.27	2.00	mg/Kg	12/04/25 16:38	PB170823
106-47-8	4-Chloroaniline	2.00	U	2	0.42	2.00	mg/Kg	12/04/25 16:38	PB170823
87-68-3	Hexachlorobutadiene	2.00	U	2	0.30	2.00	mg/Kg	12/04/25 16:38	PB170823
105-60-2	Caprolactam	3.90	U	2	0.62	3.90	mg/Kg	12/04/25 16:38	PB170823
59-50-7	4-Chloro-3-methylphenol	2.00	U	2	0.34	2.00	mg/Kg	12/04/25 16:38	PB170823
91-57-6	2-Methylnaphthalene	1.60	J	2	0.30	2.00	mg/Kg	12/04/25 16:38	PB170823
77-47-4	Hexachlorocyclopentadiene	3.90	U	2	1.40	3.90	mg/Kg	12/04/25 16:38	PB170823
88-06-2	2,4,6-Trichlorophenol	2.00	U	2	0.24	2.00	mg/Kg	12/04/25 16:38	PB170823
95-95-4	2,4,5-Trichlorophenol	2.00	U	2	0.35	2.00	mg/Kg	12/04/25 16:38	PB170823
92-52-4	1,1-Biphenyl	2.00	U	2	0.26	2.00	mg/Kg	12/04/25 16:38	PB170823
91-58-7	2-Chloronaphthalene	2.00	U	2	0.27	2.00	mg/Kg	12/04/25 16:38	PB170823
88-74-4	2-Nitroaniline	2.00	U	2	0.57	2.00	mg/Kg	12/04/25 16:38	PB170823
131-11-3	Dimethylphthalate	2.00	U	2	0.32	2.00	mg/Kg	12/04/25 16:38	PB170823
208-96-8	Acenaphthylene	2.00	U	2	0.34	2.00	mg/Kg	12/04/25 16:38	PB170823
606-20-2	2,6-Dinitrotoluene	2.00	U	2	0.40	2.00	mg/Kg	12/04/25 16:38	PB170823
99-09-2	3-Nitroaniline	2.00	U	2	0.55	2.00	mg/Kg	12/04/25 16:38	PB170823
83-32-9	Acenaphthene	2.00	U	2	0.25	2.00	mg/Kg	12/04/25 16:38	PB170823
51-28-5	2,4-Dinitrophenol	3.90	U	2	2.70	3.90	mg/Kg	12/04/25 16:38	PB170823
100-02-7	4-Nitrophenol	3.90	U	2	1.30	3.90	mg/Kg	12/04/25 16:38	PB170823
132-64-9	Dibenzofuran	2.00	U	2	0.27	2.00	mg/Kg	12/04/25 16:38	PB170823
121-14-2	2,4-Dinitrotoluene	2.00	U	2	0.60	2.00	mg/Kg	12/04/25 16:38	PB170823
84-66-2	Diethylphthalate	2.00	U	2	0.34	2.00	mg/Kg	12/04/25 16:38	PB170823
7005-72-3	4-Chlorophenyl-phenylether	2.00	U	2	0.32	2.00	mg/Kg	12/04/25 16:38	PB170823
86-73-7	Fluorene	2.00	U	2	0.30	2.00	mg/Kg	12/04/25 16:38	PB170823
100-01-6	4-Nitroaniline	2.00	U	2	0.76	2.00	mg/Kg	12/04/25 16:38	PB170823
534-52-1	4,6-Dinitro-2-methylphenol	3.90	U	2	1.20	3.90	mg/Kg	12/04/25 16:38	PB170823

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Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.04 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/04/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	2.00	U	2	0.39	2.00	mg/Kg	12/04/25 16:38	PB170823
101-55-3	4-Bromophenyl-phenylether	2.00	U	2	0.33	2.00	mg/Kg	12/04/25 16:38	PB170823
118-74-1	Hexachlorobenzene	2.00	U	2	0.30	2.00	mg/Kg	12/04/25 16:38	PB170823
1912-24-9	Atrazine	2.00	U	2	0.40	2.00	mg/Kg	12/04/25 16:38	PB170823
87-86-5	Pentachlorophenol	3.90	U	2	0.61	3.90	mg/Kg	12/04/25 16:38	PB170823
85-01-8	Phenanthrene	2.00		2	0.25	2.00	mg/Kg	12/04/25 16:38	PB170823
120-12-7	Anthracene	2.00	U	2	0.40	2.00	mg/Kg	12/04/25 16:38	PB170823
86-74-8	Carbazole	2.00	U	2	0.37	2.00	mg/Kg	12/04/25 16:38	PB170823
84-74-2	Di-n-butylphthalate	2.00	U	2	0.57	2.00	mg/Kg	12/04/25 16:38	PB170823
206-44-0	Fluoranthene	2.00	U	2	0.36	2.00	mg/Kg	12/04/25 16:38	PB170823
129-00-0	Pyrene	3.10		2	0.43	2.00	mg/Kg	12/04/25 16:38	PB170823
85-68-7	Butylbenzylphthalate	2.00	U	2	0.85	2.00	mg/Kg	12/04/25 16:38	PB170823
91-94-1	3,3-Dichlorobenzidine	3.90	U	2	0.44	3.90	mg/Kg	12/04/25 16:38	PB170823
56-55-3	Benzo(a)anthracene	2.00	U	2	0.27	2.00	mg/Kg	12/04/25 16:38	PB170823
218-01-9	Chrysene	2.00	U	2	0.24	2.00	mg/Kg	12/04/25 16:38	PB170823
117-81-7	Bis(2-ethylhexyl)phthalate	2.00	U	2	0.70	2.00	mg/Kg	12/04/25 16:38	PB170823
117-84-0	Di-n-octyl phthalate	3.90	U	2	1.00	3.90	mg/Kg	12/04/25 16:38	PB170823
205-99-2	Benzo(b)fluoranthene	2.00	U	2	0.23	2.00	mg/Kg	12/04/25 16:38	PB170823
207-08-9	Benzo(k)fluoranthene	2.00	U	2	0.27	2.00	mg/Kg	12/04/25 16:38	PB170823
50-32-8	Benzo(a)pyrene	2.00	U	2	0.35	2.00	mg/Kg	12/04/25 16:38	PB170823
193-39-5	Indeno(1,2,3-cd)pyrene	2.00	U	2	0.35	2.00	mg/Kg	12/04/25 16:38	PB170823
53-70-3	Dibenzo(a,h)anthracene	2.00	U	2	0.33	2.00	mg/Kg	12/04/25 16:38	PB170823
191-24-2	Benzo(g,h,i)perylene	2.00	U	2	0.31	2.00	mg/Kg	12/04/25 16:38	PB170823
95-94-3	1,2,4,5-Tetrachlorobenzene	2.00	U	2	0.30	2.00	mg/Kg	12/04/25 16:38	PB170823
123-91-1	1,4-Dioxane	2.00	U	2	0.54	2.00	mg/Kg	12/04/25 16:38	PB170823
58-90-2	2,3,4,6-Tetrachlorophenol	2.00	U	2	0.33	2.00	mg/Kg	12/04/25 16:38	PB170823

SURROGATES

367-12-4	2-Fluorophenol	56.2		10 - 105	37%	SPK: 150
13127-88-3	Phenol-d6	58.8		10 - 103	39%	SPK: 150
4165-60-0	Nitrobenzene-d5	42.5		10 - 108	43%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.2		10 - 108	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	61.2		10 - 116	41%	SPK: 150
1718-51-0	Terphenyl-d14	48.9		10 - 109	49%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	38900
1146-65-2	Naphthalene-d8	133000
15067-26-2	Acenaphthene-d10	69200
1517-22-2	Phenanthrene-d10	103000
1719-03-5	Chrysene-d12	60800
1520-96-3	Perylene-d12	54500

TENTATIVE IDENTIFIED COMPOUNDS

000142-82-5	Heptane	9600	J	2.37	ug/Kg
000544-25-2	1,3,5-Cycloheptatriene	191000	J	3.92	ug/Kg

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Prep Method :	SW3541		
	Level: LOW		
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	Prep Date: 12/04/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
65-85-0	Benzoic acid	22800	J			7.93	ug/Kg		
90-12-0	1-Methylnaphthalene	940	J			8.96	ug/Kg		
000629-59-4	Tetradecane	67700	J			9.30	ug/Kg		
192823-15-7	Decane, 2,3,5,8-tetramethyl-	42300	J			9.62	ug/Kg		
000629-62-9	Pentadecane	114000	J			9.83	ug/Kg		
000544-76-3	Hexadecane	112000	J			10.3	ug/Kg		
000629-78-7	Heptadecane	11600	J			10.8	ug/Kg		
000630-02-4	Octacosane	7900	J			11.3	ug/Kg		
000112-39-0	Hexadecanoic acid, methyl ester	8800	J			11.8	ug/Kg		
056554-35-9	9,17-Octadecadienal, (Z)-	8200	J			12.5	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