

Report of Analysis

Client: PSEG
Project: Hackensack - Palisades Electric Division Sub HQ
Client Sample ID: 323
Lab Sample ID: Q3503-03
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/31/25

Date Collected: 10/30/25
Date Received: 10/30/25
SDG No.: Q3503
Matrix: SOIL
% Solid: 97.4
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	3.40	U	10	1.60	3.40	mg/Kg	10/31/25 22:22	PB170342
108-95-2	Phenol	1.70	U	10	0.23	1.70	mg/Kg	10/31/25 22:22	PB170342
111-44-4	bis(2-Chloroethyl)ether	1.70	U	10	0.25	1.70	mg/Kg	10/31/25 22:22	PB170342
95-57-8	2-Chlorophenol	1.70	U	10	0.25	1.70	mg/Kg	10/31/25 22:22	PB170342
95-48-7	2-Methylphenol	1.70	U	10	0.31	1.70	mg/Kg	10/31/25 22:22	PB170342
108-60-1	2,2-oxybis(1-Chloropropane)	1.70	U	10	0.38	1.70	mg/Kg	10/31/25 22:22	PB170342
98-86-2	Acetophenone	1.70	U	10	0.30	1.70	mg/Kg	10/31/25 22:22	PB170342
65794-96-9	3+4-Methylphenols	3.40	U	10	0.42	3.40	mg/Kg	10/31/25 22:22	PB170342
621-64-7	n-Nitroso-di-n-propylamine	0.82	U	10	0.49	0.82	mg/Kg	10/31/25 22:22	PB170342
67-72-1	Hexachloroethane	1.70	U	10	0.18	1.70	mg/Kg	10/31/25 22:22	PB170342
98-95-3	Nitrobenzene	1.70	U	10	0.19	1.70	mg/Kg	10/31/25 22:22	PB170342
78-59-1	Isophorone	1.70	U	10	0.34	1.70	mg/Kg	10/31/25 22:22	PB170342
88-75-5	2-Nitrophenol	1.70	U	10	0.60	1.70	mg/Kg	10/31/25 22:22	PB170342
105-67-9	2,4-Dimethylphenol	1.70	U	10	0.67	1.70	mg/Kg	10/31/25 22:22	PB170342
111-91-1	bis(2-Chloroethoxy)methane	1.70	U	10	0.32	1.70	mg/Kg	10/31/25 22:22	PB170342
120-83-2	2,4-Dichlorophenol	1.70	U	10	0.29	1.70	mg/Kg	10/31/25 22:22	PB170342
91-20-3	Naphthalene	1.70	U	10	0.23	1.70	mg/Kg	10/31/25 22:22	PB170342
106-47-8	4-Chloroaniline	1.70	U	10	0.36	1.70	mg/Kg	10/31/25 22:22	PB170342
87-68-3	Hexachlorobutadiene	1.70	U	10	0.26	1.70	mg/Kg	10/31/25 22:22	PB170342
105-60-2	Caprolactam	3.40	U	10	0.53	3.40	mg/Kg	10/31/25 22:22	PB170342
59-50-7	4-Chloro-3-methylphenol	1.70	U	10	0.29	1.70	mg/Kg	10/31/25 22:22	PB170342
91-57-6	2-Methylnaphthalene	1.70	U	10	0.26	1.70	mg/Kg	10/31/25 22:22	PB170342
77-47-4	Hexachlorocyclopentadiene	3.40	U	10	1.20	3.40	mg/Kg	10/31/25 22:22	PB170342
88-06-2	2,4,6-Trichlorophenol	1.70	U	10	0.20	1.70	mg/Kg	10/31/25 22:22	PB170342
95-95-4	2,4,5-Trichlorophenol	1.70	U	10	0.30	1.70	mg/Kg	10/31/25 22:22	PB170342
92-52-4	1,1-Biphenyl	1.70	U	10	0.22	1.70	mg/Kg	10/31/25 22:22	PB170342
91-58-7	2-Chloronaphthalene	1.70	U	10	0.23	1.70	mg/Kg	10/31/25 22:22	PB170342
88-74-4	2-Nitroaniline	1.70	U	10	0.49	1.70	mg/Kg	10/31/25 22:22	PB170342
131-11-3	Dimethylphthalate	1.70	U	10	0.28	1.70	mg/Kg	10/31/25 22:22	PB170342
208-96-8	Acenaphthylene	1.70	U	10	0.30	1.70	mg/Kg	10/31/25 22:22	PB170342
606-20-2	2,6-Dinitrotoluene	1.70	U	10	0.34	1.70	mg/Kg	10/31/25 22:22	PB170342
99-09-2	3-Nitroaniline	1.70	U	10	0.47	1.70	mg/Kg	10/31/25 22:22	PB170342
83-32-9	Acenaphthene	1.70	U	10	0.22	1.70	mg/Kg	10/31/25 22:22	PB170342
51-28-5	2,4-Dinitrophenol	3.40	U	10	2.40	3.40	mg/Kg	10/31/25 22:22	PB170342
100-02-7	4-Nitrophenol	3.40	U	10	1.10	3.40	mg/Kg	10/31/25 22:22	PB170342
132-64-9	Dibenzofuran	1.70	U	10	0.23	1.70	mg/Kg	10/31/25 22:22	PB170342
121-14-2	2,4-Dinitrotoluene	1.70	U	10	0.51	1.70	mg/Kg	10/31/25 22:22	PB170342
84-66-2	Diethylphthalate	1.70	U	10	0.29	1.70	mg/Kg	10/31/25 22:22	PB170342
7005-72-3	4-Chlorophenyl-phenylether	1.70	U	10	0.27	1.70	mg/Kg	10/31/25 22:22	PB170342
86-73-7	Fluorene	1.70	U	10	0.26	1.70	mg/Kg	10/31/25 22:22	PB170342
100-01-6	4-Nitroaniline	1.70	U	10	0.66	1.70	mg/Kg	10/31/25 22:22	PB170342
534-52-1	4,6-Dinitro-2-methylphenol	3.40	U	10	1.10	3.40	mg/Kg	10/31/25 22:22	PB170342

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Project: Hackensack - Palisades Electric Division Sub HQ
Client Sample ID: 323
Lab Sample ID: Q3503-03
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/31/25

Date Collected: 10/30/25
Date Received: 10/30/25
SDG No.: Q3503
Matrix: SOIL
% Solid: 97.4
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1.70	U	10	0.34	1.70	mg/Kg	10/31/25 22:22	PB170342
101-55-3	4-Bromophenyl-phenylether	1.70	U	10	0.29	1.70	mg/Kg	10/31/25 22:22	PB170342
118-74-1	Hexachlorobenzene	1.70	U	10	0.26	1.70	mg/Kg	10/31/25 22:22	PB170342
1912-24-9	Atrazine	1.70	U	10	0.35	1.70	mg/Kg	10/31/25 22:22	PB170342
87-86-5	Pentachlorophenol	3.40	U	10	0.53	3.40	mg/Kg	10/31/25 22:22	PB170342
85-01-8	Phenanthrene	1.70	U	10	0.21	1.70	mg/Kg	10/31/25 22:22	PB170342
120-12-7	Anthracene	1.70	U	10	0.34	1.70	mg/Kg	10/31/25 22:22	PB170342
86-74-8	Carbazole	1.70	U	10	0.32	1.70	mg/Kg	10/31/25 22:22	PB170342
84-74-2	Di-n-butylphthalate	1.70	U	10	0.49	1.70	mg/Kg	10/31/25 22:22	PB170342
206-44-0	Fluoranthene	1.70	U	10	0.31	1.70	mg/Kg	10/31/25 22:22	PB170342
129-00-0	Pyrene	1.70	U	10	0.37	1.70	mg/Kg	10/31/25 22:22	PB170342
85-68-7	Butylbenzylphthalate	1.70	U	10	0.73	1.70	mg/Kg	10/31/25 22:22	PB170342
91-94-1	3,3-Dichlorobenzidine	3.40	U	10	0.38	3.40	mg/Kg	10/31/25 22:22	PB170342
56-55-3	Benzo(a)anthracene	1.70	U	10	0.24	1.70	mg/Kg	10/31/25 22:22	PB170342
218-01-9	Chrysene	1.70	U	10	0.20	1.70	mg/Kg	10/31/25 22:22	PB170342
117-81-7	Bis(2-ethylhexyl)phthalate	1.70	U	10	0.61	1.70	mg/Kg	10/31/25 22:22	PB170342
117-84-0	Di-n-octyl phthalate	3.40	U	10	0.89	3.40	mg/Kg	10/31/25 22:22	PB170342
205-99-2	Benzo(b)fluoranthene	1.70	U	10	0.20	1.70	mg/Kg	10/31/25 22:22	PB170342
207-08-9	Benzo(k)fluoranthene	1.70	U	10	0.23	1.70	mg/Kg	10/31/25 22:22	PB170342
50-32-8	Benzo(a)pyrene	1.70	U	10	0.30	1.70	mg/Kg	10/31/25 22:22	PB170342
193-39-5	Indeno(1,2,3-cd)pyrene	1.70	U	10	0.30	1.70	mg/Kg	10/31/25 22:22	PB170342
53-70-3	Dibenzo(a,h)anthracene	1.70	U	10	0.28	1.70	mg/Kg	10/31/25 22:22	PB170342
191-24-2	Benzo(g,h,i)perylene	1.70	U	10	0.26	1.70	mg/Kg	10/31/25 22:22	PB170342
95-94-3	1,2,4,5-Tetrachlorobenzene	1.70	U	10	0.26	1.70	mg/Kg	10/31/25 22:22	PB170342
123-91-1	1,4-Dioxane	1.70	U	10	0.46	1.70	mg/Kg	10/31/25 22:22	PB170342
58-90-2	2,3,4,6-Tetrachlorophenol	1.70	U	10	0.28	1.70	mg/Kg	10/31/25 22:22	PB170342

SURROGATES

367-12-4	2-Fluorophenol	87.7		18 - 112	58%	SPK: 150
13127-88-3	Phenol-d6	92.7		15 - 107	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.7		18 - 107	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.8		20 - 109	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	96.4		10 - 116	64%	SPK: 150
1718-51-0	Terphenyl-d14	69.4		10 - 105	69%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	42400
1146-65-2	Naphthalene-d8	173000
15067-26-2	Acenaphthene-d10	128000
1517-22-2	Phenanthrene-d10	245000
1719-03-5	Chrysene-d12	264000
1520-96-3	Perylene-d12	308000

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Client:	PSEG	Date Collected:	10/30/25
Project:	Hackensack - Palisades Electric Division Sub HQ	Date Received:	10/30/25
Client Sample ID:	323	SDG No.:	Q3503
Lab Sample ID:	Q3503-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	97.4
Sample Wt/Vol:	30.01 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
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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