

Report of Analysis

Client: PSEG
Project: Hackensack - Palisades Electric Division Sub HQ
Client Sample ID: 322
Lab Sample ID: Q3503-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 5.06 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: 100
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	2.00	U	1	0.92	2.00	mg/Kg	10/31/25 20:19	PB170342
108-95-2	Phenol	1.00	U	1	0.13	1.00	mg/Kg	10/31/25 20:19	PB170342
111-44-4	bis(2-Chloroethyl)ether	1.00	U	1	0.14	1.00	mg/Kg	10/31/25 20:19	PB170342
95-57-8	2-Chlorophenol	1.00	U	1	0.14	1.00	mg/Kg	10/31/25 20:19	PB170342
95-48-7	2-Methylphenol	1.00	U	1	0.18	1.00	mg/Kg	10/31/25 20:19	PB170342
108-60-1	2,2-oxybis(1-Chloropropane)	1.00	U	1	0.22	1.00	mg/Kg	10/31/25 20:19	PB170342
98-86-2	Acetophenone	1.00	U	1	0.17	1.00	mg/Kg	10/31/25 20:19	PB170342
65794-96-9	3+4-Methylphenols	2.00	U	1	0.24	2.00	mg/Kg	10/31/25 20:19	PB170342
621-64-7	n-Nitroso-di-n-propylamine	0.47	U	1	0.28	0.47	mg/Kg	10/31/25 20:19	PB170342
67-72-1	Hexachloroethane	1.00	U	1	0.10	1.00	mg/Kg	10/31/25 20:19	PB170342
98-95-3	Nitrobenzene	1.00	U	1	0.11	1.00	mg/Kg	10/31/25 20:19	PB170342
78-59-1	Isophorone	1.00	U	1	0.19	1.00	mg/Kg	10/31/25 20:19	PB170342
88-75-5	2-Nitrophenol	1.00	U	1	0.35	1.00	mg/Kg	10/31/25 20:19	PB170342
105-67-9	2,4-Dimethylphenol	1.00	U	1	0.38	1.00	mg/Kg	10/31/25 20:19	PB170342
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1	0.18	1.00	mg/Kg	10/31/25 20:19	PB170342
120-83-2	2,4-Dichlorophenol	1.00	U	1	0.17	1.00	mg/Kg	10/31/25 20:19	PB170342
91-20-3	Naphthalene	1.70		1	0.13	1.00	mg/Kg	10/31/25 20:19	PB170342
106-47-8	4-Chloroaniline	1.00	U	1	0.21	1.00	mg/Kg	10/31/25 20:19	PB170342
87-68-3	Hexachlorobutadiene	1.00	U	1	0.15	1.00	mg/Kg	10/31/25 20:19	PB170342
105-60-2	Caprolactam	2.00	U	1	0.31	2.00	mg/Kg	10/31/25 20:19	PB170342
59-50-7	4-Chloro-3-methylphenol	1.00	U	1	0.17	1.00	mg/Kg	10/31/25 20:19	PB170342
91-57-6	2-Methylnaphthalene	2.50		1	0.15	1.00	mg/Kg	10/31/25 20:19	PB170342
77-47-4	Hexachlorocyclopentadiene	2.00	U	1	0.69	2.00	mg/Kg	10/31/25 20:19	PB170342
88-06-2	2,4,6-Trichlorophenol	1.00	U	1	0.12	1.00	mg/Kg	10/31/25 20:19	PB170342
95-95-4	2,4,5-Trichlorophenol	1.00	U	1	0.17	1.00	mg/Kg	10/31/25 20:19	PB170342
92-52-4	1,1-Biphenyl	0.51	J	1	0.13	1.00	mg/Kg	10/31/25 20:19	PB170342
91-58-7	2-Chloronaphthalene	1.00	U	1	0.13	1.00	mg/Kg	10/31/25 20:19	PB170342
88-74-4	2-Nitroaniline	1.00	U	1	0.29	1.00	mg/Kg	10/31/25 20:19	PB170342
131-11-3	Dimethylphthalate	1.00	U	1	0.16	1.00	mg/Kg	10/31/25 20:19	PB170342
208-96-8	Acenaphthylene	1.00	U	1	0.17	1.00	mg/Kg	10/31/25 20:19	PB170342
606-20-2	2,6-Dinitrotoluene	1.00	U	1	0.20	1.00	mg/Kg	10/31/25 20:19	PB170342
99-09-2	3-Nitroaniline	1.00	U	1	0.27	1.00	mg/Kg	10/31/25 20:19	PB170342
83-32-9	Acenaphthene	1.00	U	1	0.13	1.00	mg/Kg	10/31/25 20:19	PB170342
51-28-5	2,4-Dinitrophenol	2.00	U	1	1.40	2.00	mg/Kg	10/31/25 20:19	PB170342
100-02-7	4-Nitrophenol	2.00	U	1	0.63	2.00	mg/Kg	10/31/25 20:19	PB170342
132-64-9	Dibenzofuran	1.00	U	1	0.13	1.00	mg/Kg	10/31/25 20:19	PB170342
121-14-2	2,4-Dinitrotoluene	1.00	U	1	0.30	1.00	mg/Kg	10/31/25 20:19	PB170342
84-66-2	Diethylphthalate	1.00	U	1	0.17	1.00	mg/Kg	10/31/25 20:19	PB170342
7005-72-3	4-Chlorophenyl-phenylether	1.00	U	1	0.16	1.00	mg/Kg	10/31/25 20:19	PB170342
86-73-7	Fluorene	1.00	U	1	0.15	1.00	mg/Kg	10/31/25 20:19	PB170342
100-01-6	4-Nitroaniline	1.00	U	1	0.38	1.00	mg/Kg	10/31/25 20:19	PB170342
534-52-1	4,6-Dinitro-2-methylphenol	2.00	U	1	0.61	2.00	mg/Kg	10/31/25 20:19	PB170342

Report of Analysis

Client: PSEG
Project: Hackensack - Palisades Electric Division Sub HQ
Client Sample ID: 322
Lab Sample ID: Q3503-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 5.06 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: 100
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1.00	U	1	0.20	1.00	mg/Kg	10/31/25 20:19	PB170342
101-55-3	4-Bromophenyl-phenylether	1.00	U	1	0.16	1.00	mg/Kg	10/31/25 20:19	PB170342
118-74-1	Hexachlorobenzene	1.00	U	1	0.15	1.00	mg/Kg	10/31/25 20:19	PB170342
1912-24-9	Atrazine	1.00	U	1	0.20	1.00	mg/Kg	10/31/25 20:19	PB170342
87-86-5	Pentachlorophenol	2.00	U	1	0.30	2.00	mg/Kg	10/31/25 20:19	PB170342
85-01-8	Phenanthrene	1.00	U	1	0.12	1.00	mg/Kg	10/31/25 20:19	PB170342
120-12-7	Anthracene	1.00	U	1	0.20	1.00	mg/Kg	10/31/25 20:19	PB170342
86-74-8	Carbazole	1.00	U	1	0.18	1.00	mg/Kg	10/31/25 20:19	PB170342
84-74-2	Di-n-butylphthalate	1.40		1	0.28	1.00	mg/Kg	10/31/25 20:19	PB170342
206-44-0	Fluoranthene	1.00	U	1	0.18	1.00	mg/Kg	10/31/25 20:19	PB170342
129-00-0	Pyrene	1.00	U	1	0.21	1.00	mg/Kg	10/31/25 20:19	PB170342
85-68-7	Butylbenzylphthalate	1.00	U	1	0.42	1.00	mg/Kg	10/31/25 20:19	PB170342
91-94-1	3,3-Dichlorobenzidine	2.00	U	1	0.22	2.00	mg/Kg	10/31/25 20:19	PB170342
56-55-3	Benzo(a)anthracene	1.00	U	1	0.14	1.00	mg/Kg	10/31/25 20:19	PB170342
218-01-9	Chrysene	1.00	U	1	0.12	1.00	mg/Kg	10/31/25 20:19	PB170342
117-81-7	Bis(2-ethylhexyl)phthalate	13.6		1	0.35	1.00	mg/Kg	10/31/25 20:19	PB170342
117-84-0	Di-n-octyl phthalate	2.00	U	1	0.51	2.00	mg/Kg	10/31/25 20:19	PB170342
205-99-2	Benzo(b)fluoranthene	1.00	U	1	0.11	1.00	mg/Kg	10/31/25 20:19	PB170342
207-08-9	Benzo(k)fluoranthene	1.00	U	1	0.13	1.00	mg/Kg	10/31/25 20:19	PB170342
50-32-8	Benzo(a)pyrene	1.00	U	1	0.17	1.00	mg/Kg	10/31/25 20:19	PB170342
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1	0.17	1.00	mg/Kg	10/31/25 20:19	PB170342
53-70-3	Dibenzo(a,h)anthracene	1.00	U	1	0.16	1.00	mg/Kg	10/31/25 20:19	PB170342
191-24-2	Benzo(g,h,i)perylene	1.00	U	1	0.15	1.00	mg/Kg	10/31/25 20:19	PB170342
95-94-3	1,2,4,5-Tetrachlorobenzene	1.00	U	1	0.15	1.00	mg/Kg	10/31/25 20:19	PB170342
123-91-1	1,4-Dioxane	1.00	U	1	0.27	1.00	mg/Kg	10/31/25 20:19	PB170342
58-90-2	2,3,4,6-Tetrachlorophenol	1.00	U	1	0.16	1.00	mg/Kg	10/31/25 20:19	PB170342

SURROGATES

367-12-4	2-Fluorophenol	56.4		18 - 112	38%	SPK: 150
13127-88-3	Phenol-d6	59.7		15 - 107	40%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.1		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.6		20 - 109	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	60.3		10 - 116	40%	SPK: 150
1718-51-0	Terphenyl-d14	46.2		10 - 105	46%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	44600
1146-65-2	Naphthalene-d8	161000
15067-26-2	Acenaphthene-d10	122000
1517-22-2	Phenanthrene-d10	244000
1719-03-5	Chrysene-d12	254000
1520-96-3	Perylene-d12	289000

TENTATIVE IDENTIFIED COMPOUNDS

000135-01-3	Benzene, 1,2-diethyl-	6600	J	8.88	ug/Kg
90-12-0	1-Methylnaphthalene	1500	J	12.9	ug/Kg

Report of Analysis

Client:	PSEG	Date Collected:	10/30/25
Project:	Hackensack - Palisades Electric Division Sub HQ	Date Received:	10/30/25
Client Sample ID:	322	SDG No.:	Q3503
Lab Sample ID:	Q3503-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.06 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
000629-62-9	Pentadecane	6300	J			14.7	ug/Kg		
000136-85-6	1H-Benzotriazole, 5-methyl-	13500	J			15.1	ug/Kg		
029878-31-7	1H-Benzotriazole, 4-methyl-	12600	J			15.6	ug/Kg		
000544-76-3	Hexadecane	7900	J			15.7	ug/Kg		
000112-95-8	Eicosane	15200	J			16.5	ug/Kg		
107770-99-0	3,5-Dimethyldodecane	10700	J			18.8	ug/Kg		
000295-17-0	Cyclotetradecane	18400	J			19.3	ug/Kg		
006418-46-8	Eicosane, 3-methyl-	9700	J			19.4	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