

Report of Analysis

Client:	PSEG	Date Collected:	11/17/25
Project:	PSEG 118 Elm Street	Date Received:	11/17/25
Client Sample ID:	TP-1	SDG No.:	Q3652
Lab Sample ID:	Q3652-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.5
Sample Wt/Vol:	50.04 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 11/18/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.23	U	1	0.11	0.23	mg/Kg	11/18/25 17:42	PB170598
108-95-2	Phenol	0.12	U	1	0.015	0.12	mg/Kg	11/18/25 17:42	PB170598
111-44-4	bis(2-Chloroethyl)ether	0.12	U	1	0.017	0.12	mg/Kg	11/18/25 17:42	PB170598
95-57-8	2-Chlorophenol	0.12	U	1	0.017	0.12	mg/Kg	11/18/25 17:42	PB170598
95-48-7	2-Methylphenol	0.12	U	1	0.021	0.12	mg/Kg	11/18/25 17:42	PB170598
108-60-1	2,2-oxybis(1-Chloropropane)	0.12	U	1	0.026	0.12	mg/Kg	11/18/25 17:42	PB170598
98-86-2	Acetophenone	0.12	U	1	0.020	0.12	mg/Kg	11/18/25 17:42	PB170598
65794-96-9	3+4-Methylphenols	0.23	U	1	0.029	0.23	mg/Kg	11/18/25 17:42	PB170598
621-64-7	n-Nitroso-di-n-propylamine	0.055	U	1	0.033	0.055	mg/Kg	11/18/25 17:42	PB170598
67-72-1	Hexachloroethane	0.12	U	1	0.012	0.12	mg/Kg	11/18/25 17:42	PB170598
98-95-3	Nitrobenzene	0.12	U	1	0.013	0.12	mg/Kg	11/18/25 17:42	PB170598
78-59-1	Isophorone	0.12	U	1	0.023	0.12	mg/Kg	11/18/25 17:42	PB170598
88-75-5	2-Nitrophenol	0.12	U	1	0.040	0.12	mg/Kg	11/18/25 17:42	PB170598
105-67-9	2,4-Dimethylphenol	0.12	U	1	0.045	0.12	mg/Kg	11/18/25 17:42	PB170598
111-91-1	bis(2-Chloroethoxy)methane	0.12	U	1	0.021	0.12	mg/Kg	11/18/25 17:42	PB170598
120-83-2	2,4-Dichlorophenol	0.12	U	1	0.020	0.12	mg/Kg	11/18/25 17:42	PB170598
91-20-3	Naphthalene	0.12	U	1	0.016	0.12	mg/Kg	11/18/25 17:42	PB170598
106-47-8	4-Chloroaniline	0.12	U	1	0.025	0.12	mg/Kg	11/18/25 17:42	PB170598
87-68-3	Hexachlorobutadiene	0.12	U	1	0.018	0.12	mg/Kg	11/18/25 17:42	PB170598
105-60-2	Caprolactam	0.23	U	1	0.036	0.23	mg/Kg	11/18/25 17:42	PB170598
59-50-7	4-Chloro-3-methylphenol	0.12	U	1	0.020	0.12	mg/Kg	11/18/25 17:42	PB170598
91-57-6	2-Methylnaphthalene	0.15		1	0.018	0.12	mg/Kg	11/18/25 17:42	PB170598
77-47-4	Hexachlorocyclopentadiene	0.23	U	1	0.080	0.23	mg/Kg	11/18/25 17:42	PB170598
88-06-2	2,4,6-Trichlorophenol	0.12	U	1	0.014	0.12	mg/Kg	11/18/25 17:42	PB170598
95-95-4	2,4,5-Trichlorophenol	0.12	U	1	0.020	0.12	mg/Kg	11/18/25 17:42	PB170598
92-52-4	1,1-Biphenyl	0.12	U	1	0.015	0.12	mg/Kg	11/18/25 17:42	PB170598
91-58-7	2-Chloronaphthalene	0.12	U	1	0.016	0.12	mg/Kg	11/18/25 17:42	PB170598
88-74-4	2-Nitroaniline	0.12	U	1	0.033	0.12	mg/Kg	11/18/25 17:42	PB170598
131-11-3	Dimethylphthalate	0.12	U	1	0.019	0.12	mg/Kg	11/18/25 17:42	PB170598
208-96-8	Acenaphthylene	0.12	U	1	0.020	0.12	mg/Kg	11/18/25 17:42	PB170598
606-20-2	2,6-Dinitrotoluene	0.12	U	1	0.023	0.12	mg/Kg	11/18/25 17:42	PB170598
99-09-2	3-Nitroaniline	0.12	U	1	0.032	0.12	mg/Kg	11/18/25 17:42	PB170598
83-32-9	Acenaphthene	0.12	U	1	0.015	0.12	mg/Kg	11/18/25 17:42	PB170598
51-28-5	2,4-Dinitrophenol	0.23	U	1	0.16	0.23	mg/Kg	11/18/25 17:42	PB170598
100-02-7	4-Nitrophenol	0.23	U	1	0.074	0.23	mg/Kg	11/18/25 17:42	PB170598
132-64-9	Dibenzofuran	0.12	U	1	0.016	0.12	mg/Kg	11/18/25 17:42	PB170598
121-14-2	2,4-Dinitrotoluene	0.12	U	1	0.035	0.12	mg/Kg	11/18/25 17:42	PB170598
84-66-2	Diethylphthalate	0.12	U	1	0.020	0.12	mg/Kg	11/18/25 17:42	PB170598
7005-72-3	4-Chlorophenyl-phenylether	0.12	U	1	0.019	0.12	mg/Kg	11/18/25 17:42	PB170598
86-73-7	Fluorene	0.12	U	1	0.018	0.12	mg/Kg	11/18/25 17:42	PB170598
100-01-6	4-Nitroaniline	0.12	U	1	0.045	0.12	mg/Kg	11/18/25 17:42	PB170598
534-52-1	4,6-Dinitro-2-methylphenol	0.23	U	1	0.071	0.23	mg/Kg	11/18/25 17:42	PB170598

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Lab Sample ID:	Q3652-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.5
Sample Wt/Vol:	50.04 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 11/18/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.12	U	1	0.023	0.12	mg/Kg	11/18/25 17:42	PB170598
101-55-3	4-Bromophenyl-phenylether	0.12	U	1	0.019	0.12	mg/Kg	11/18/25 17:42	PB170598
118-74-1	Hexachlorobenzene	0.12	U	1	0.018	0.12	mg/Kg	11/18/25 17:42	PB170598
1912-24-9	Atrazine	0.12	U	1	0.024	0.12	mg/Kg	11/18/25 17:42	PB170598
87-86-5	Pentachlorophenol	0.23	U	1	0.036	0.23	mg/Kg	11/18/25 17:42	PB170598
85-01-8	Phenanthrene	0.069	J	1	0.015	0.12	mg/Kg	11/18/25 17:42	PB170598
120-12-7	Anthracene	0.12	U	1	0.023	0.12	mg/Kg	11/18/25 17:42	PB170598
86-74-8	Carbazole	0.12	U	1	0.022	0.12	mg/Kg	11/18/25 17:42	PB170598
84-74-2	Di-n-butylphthalate	0.12	U	1	0.033	0.12	mg/Kg	11/18/25 17:42	PB170598
206-44-0	Fluoranthene	0.12		1	0.021	0.12	mg/Kg	11/18/25 17:42	PB170598
129-00-0	Pyrene	0.39		1	0.025	0.12	mg/Kg	11/18/25 17:42	PB170598
85-68-7	Butylbenzylphthalate	0.12	U	1	0.050	0.12	mg/Kg	11/18/25 17:42	PB170598
91-94-1	3,3-Dichlorobenzidine	0.23	U	1	0.025	0.23	mg/Kg	11/18/25 17:42	PB170598
56-55-3	Benzo(a)anthracene	0.16		1	0.016	0.12	mg/Kg	11/18/25 17:42	PB170598
218-01-9	Chrysene	0.12		1	0.014	0.12	mg/Kg	11/18/25 17:42	PB170598
117-81-7	Bis(2-ethylhexyl)phthalate	0.98		1	0.041	0.12	mg/Kg	11/18/25 17:42	PB170598
117-84-0	Di-n-octyl phthalate	0.23	U	1	0.060	0.23	mg/Kg	11/18/25 17:42	PB170598
205-99-2	Benzo(b)fluoranthene	0.094	J	1	0.013	0.12	mg/Kg	11/18/25 17:42	PB170598
207-08-9	Benzo(k)fluoranthene	0.12	U	1	0.016	0.12	mg/Kg	11/18/25 17:42	PB170598
50-32-8	Benzo(a)pyrene	0.13		1	0.020	0.12	mg/Kg	11/18/25 17:42	PB170598
193-39-5	Indeno(1,2,3-cd)pyrene	0.061	J	1	0.020	0.12	mg/Kg	11/18/25 17:42	PB170598
53-70-3	Dibenzo(a,h)anthracene	0.12	U	1	0.019	0.12	mg/Kg	11/18/25 17:42	PB170598
191-24-2	Benzo(g,h,i)perylene	0.22		1	0.018	0.12	mg/Kg	11/18/25 17:42	PB170598
95-94-3	1,2,4,5-Tetrachlorobenzene	0.12	U	1	0.018	0.12	mg/Kg	11/18/25 17:42	PB170598
123-91-1	1,4-Dioxane	0.12	U	1	0.031	0.12	mg/Kg	11/18/25 17:42	PB170598
58-90-2	2,3,4,6-Tetrachlorophenol	0.12	U	1	0.019	0.12	mg/Kg	11/18/25 17:42	PB170598

SURROGATES

367-12-4	2-Fluorophenol	78.0		10 - 105	52%	SPK: 150
13127-88-3	Phenol-d6	77.5		10 - 103	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.6		10 - 108	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.6		10 - 108	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	84.1		10 - 116	56%	SPK: 150
1718-51-0	Terphenyl-d14	65.9		10 - 109	66%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	52800
1146-65-2	Naphthalene-d8	196000
15067-26-2	Acenaphthene-d10	146000
1517-22-2	Phenanthrene-d10	309000
1719-03-5	Chrysene-d12	284000
1520-96-3	Perylene-d12	319000

TENTATIVE IDENTIFIED COMPOUNDS

000488-23-3	Benzene, 1,2,3,4-tetramethyl-	150	J	8.82	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	160	J	9.80	ug/Kg

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	Level: LOW		
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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
001595-16-0	Benzene, 1-methyl-4-(1-methylpropy	140	J			10.1	ug/Kg		
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	260	J			10.4	ug/Kg		
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	180	J			11.9	ug/Kg		
90-12-0	1-Methylnaphthalene	180	J			12.8	ug/Kg		
000581-42-0	Naphthalene, 2,6-dimethyl-	160	J			14.1	ug/Kg		
000119-61-9	Benzophenone	280	J			16.1	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