

Report of Analysis

Client:	PSEG	Date Collected:	12/03/25
Project:	PSEG- Moorestown HQ	Date Received:	12/02/25
Client Sample ID:	AR520-0002DL	SDG No.:	Q3753
Lab Sample ID:	Q3753-04DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	50.08 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Level:	LOW
		Final Vol:	1000 uL
		Prep Date:	12/03/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.44	UD	2	0.21	0.44	mg/Kg	12/03/25 17:34	PB170797
108-95-2	Phenol	0.23	UD	2	0.030	0.23	mg/Kg	12/03/25 17:34	PB170797
111-44-4	bis(2-Chloroethyl)ether	0.23	UD	2	0.033	0.23	mg/Kg	12/03/25 17:34	PB170797
95-57-8	2-Chlorophenol	0.23	UD	2	0.033	0.23	mg/Kg	12/03/25 17:34	PB170797
95-48-7	2-Methylphenol	0.23	UD	2	0.040	0.23	mg/Kg	12/03/25 17:34	PB170797
108-60-1	2,2-oxybis(1-Chloropropane)	0.23	UD	2	0.051	0.23	mg/Kg	12/03/25 17:34	PB170797
98-86-2	Acetophenone	0.23	UD	2	0.040	0.23	mg/Kg	12/03/25 17:34	PB170797
65794-96-9	3+4-Methylphenols	0.44	UD	2	0.055	0.44	mg/Kg	12/03/25 17:34	PB170797
621-64-7	n-Nitroso-di-n-propylamine	0.11	UD	2	0.064	0.11	mg/Kg	12/03/25 17:34	PB170797
67-72-1	Hexachloroethane	0.23	UD	2	0.024	0.23	mg/Kg	12/03/25 17:34	PB170797
98-95-3	Nitrobenzene	0.23	UD	2	0.025	0.23	mg/Kg	12/03/25 17:34	PB170797
78-59-1	Isophorone	0.23	UD	2	0.044	0.23	mg/Kg	12/03/25 17:34	PB170797
88-75-5	2-Nitrophenol	0.23	UD	2	0.078	0.23	mg/Kg	12/03/25 17:34	PB170797
105-67-9	2,4-Dimethylphenol	0.23	UD	2	0.087	0.23	mg/Kg	12/03/25 17:34	PB170797
111-91-1	bis(2-Chloroethoxy)methane	0.23	UD	2	0.042	0.23	mg/Kg	12/03/25 17:34	PB170797
120-83-2	2,4-Dichlorophenol	0.23	UD	2	0.038	0.23	mg/Kg	12/03/25 17:34	PB170797
91-20-3	Naphthalene	0.23	UD	2	0.031	0.23	mg/Kg	12/03/25 17:34	PB170797
106-47-8	4-Chloroaniline	0.23	UD	2	0.048	0.23	mg/Kg	12/03/25 17:34	PB170797
87-68-3	Hexachlorobutadiene	0.23	UD	2	0.034	0.23	mg/Kg	12/03/25 17:34	PB170797
105-60-2	Caprolactam	0.44	UD	2	0.070	0.44	mg/Kg	12/03/25 17:34	PB170797
59-50-7	4-Chloro-3-methylphenol	0.23	UD	2	0.039	0.23	mg/Kg	12/03/25 17:34	PB170797
91-57-6	2-Methylnaphthalene	0.23	UD	2	0.035	0.23	mg/Kg	12/03/25 17:34	PB170797
77-47-4	Hexachlorocyclopentadiene	0.44	UD	2	0.16	0.44	mg/Kg	12/03/25 17:34	PB170797
88-06-2	2,4,6-Trichlorophenol	0.23	UD	2	0.027	0.23	mg/Kg	12/03/25 17:34	PB170797
95-95-4	2,4,5-Trichlorophenol	0.23	UD	2	0.039	0.23	mg/Kg	12/03/25 17:34	PB170797
92-52-4	1,1-Biphenyl	0.23	UD	2	0.029	0.23	mg/Kg	12/03/25 17:34	PB170797
91-58-7	2-Chloronaphthalene	0.23	UD	2	0.030	0.23	mg/Kg	12/03/25 17:34	PB170797
88-74-4	2-Nitroaniline	0.23	UD	2	0.065	0.23	mg/Kg	12/03/25 17:34	PB170797
131-11-3	Dimethylphthalate	0.23	UD	2	0.037	0.23	mg/Kg	12/03/25 17:34	PB170797
208-96-8	Acenaphthylene	0.23	UD	2	0.039	0.23	mg/Kg	12/03/25 17:34	PB170797
606-20-2	2,6-Dinitrotoluene	0.23	UD	2	0.045	0.23	mg/Kg	12/03/25 17:34	PB170797
99-09-2	3-Nitroaniline	0.23	UD	2	0.062	0.23	mg/Kg	12/03/25 17:34	PB170797
83-32-9	Acenaphthene	0.23	UD	2	0.029	0.23	mg/Kg	12/03/25 17:34	PB170797
51-28-5	2,4-Dinitrophenol	0.44	UD	2	0.31	0.44	mg/Kg	12/03/25 17:34	PB170797
100-02-7	4-Nitrophenol	0.44	UD	2	0.14	0.44	mg/Kg	12/03/25 17:34	PB170797
132-64-9	Dibenzofuran	0.23	UD	2	0.031	0.23	mg/Kg	12/03/25 17:34	PB170797
121-14-2	2,4-Dinitrotoluene	0.23	UD	2	0.067	0.23	mg/Kg	12/03/25 17:34	PB170797
84-66-2	Diethylphthalate	0.23	UD	2	0.038	0.23	mg/Kg	12/03/25 17:34	PB170797
7005-72-3	4-Chlorophenyl-phenylether	0.23	UD	2	0.036	0.23	mg/Kg	12/03/25 17:34	PB170797
86-73-7	Fluorene	0.23	UD	2	0.034	0.23	mg/Kg	12/03/25 17:34	PB170797
100-01-6	4-Nitroaniline	0.23	UD	2	0.086	0.23	mg/Kg	12/03/25 17:34	PB170797
534-52-1	4,6-Dinitro-2-methylphenol	0.44	UD	2	0.14	0.44	mg/Kg	12/03/25 17:34	PB170797

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Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	50.08 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Level:	LOW
		Final Vol:	1000 uL
		Prep Date:	12/03/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.23	UD	2	0.044	0.23	mg/Kg	12/03/25 17:34	PB170797
101-55-3	4-Bromophenyl-phenylether	0.23	UD	2	0.037	0.23	mg/Kg	12/03/25 17:34	PB170797
118-74-1	Hexachlorobenzene	0.23	UD	2	0.034	0.23	mg/Kg	12/03/25 17:34	PB170797
1912-24-9	Atrazine	0.23	UD	2	0.046	0.23	mg/Kg	12/03/25 17:34	PB170797
87-86-5	Pentachlorophenol	0.44	UD	2	0.069	0.44	mg/Kg	12/03/25 17:34	PB170797
85-01-8	Phenanthrene	1.40	D	2	0.028	0.23	mg/Kg	12/03/25 17:34	PB170797
120-12-7	Anthracene	0.24	D	2	0.045	0.23	mg/Kg	12/03/25 17:34	PB170797
86-74-8	Carbazole	0.23	UD	2	0.042	0.23	mg/Kg	12/03/25 17:34	PB170797
84-74-2	Di-n-butylphthalate	0.23	UD	2	0.065	0.23	mg/Kg	12/03/25 17:34	PB170797
206-44-0	Fluoranthene	2.30	D	2	0.040	0.23	mg/Kg	12/03/25 17:34	PB170797
129-00-0	Pyrene	0.85	D	2	0.049	0.23	mg/Kg	12/03/25 17:34	PB170797
85-68-7	Butylbenzylphthalate	0.23	UD	2	0.096	0.23	mg/Kg	12/03/25 17:34	PB170797
91-94-1	3,3-Dichlorobenzidine	0.44	UD	2	0.049	0.44	mg/Kg	12/03/25 17:34	PB170797
56-55-3	Benzo(a)anthracene	0.55	D	2	0.031	0.23	mg/Kg	12/03/25 17:34	PB170797
218-01-9	Chrysene	0.60	D	2	0.027	0.23	mg/Kg	12/03/25 17:34	PB170797
117-81-7	Bis(2-ethylhexyl)phthalate	0.23	UD	2	0.080	0.23	mg/Kg	12/03/25 17:34	PB170797
117-84-0	Di-n-octyl phthalate	0.44	UD	2	0.12	0.44	mg/Kg	12/03/25 17:34	PB170797
205-99-2	Benzo(b)fluoranthene	0.77	D	2	0.026	0.23	mg/Kg	12/03/25 17:34	PB170797
207-08-9	Benzo(k)fluoranthene	0.26	D	2	0.030	0.23	mg/Kg	12/03/25 17:34	PB170797
50-32-8	Benzo(a)pyrene	0.40	D	2	0.040	0.23	mg/Kg	12/03/25 17:34	PB170797
193-39-5	Indeno(1,2,3-cd)pyrene	0.15	JD	2	0.039	0.23	mg/Kg	12/03/25 17:34	PB170797
53-70-3	Dibenzo(a,h)anthracene	0.23	UD	2	0.037	0.23	mg/Kg	12/03/25 17:34	PB170797
191-24-2	Benzo(g,h,i)perylene	0.18	JD	2	0.035	0.23	mg/Kg	12/03/25 17:34	PB170797
95-94-3	1,2,4,5-Tetrachlorobenzene	0.23	UD	2	0.035	0.23	mg/Kg	12/03/25 17:34	PB170797
123-91-1	1,4-Dioxane	0.23	UD	2	0.061	0.23	mg/Kg	12/03/25 17:34	PB170797
58-90-2	2,3,4,6-Tetrachlorophenol	0.23	UD	2	0.037	0.23	mg/Kg	12/03/25 17:34	PB170797

SURROGATES

367-12-4	2-Fluorophenol	72.6		10 - 105	48%	SPK: 150
13127-88-3	Phenol-d6	71.9		10 - 103	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.6		10 - 108	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.6		10 - 108	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	80.2		10 - 116	53%	SPK: 150
1718-51-0	Terphenyl-d14	36.8		10 - 109	37%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	48500
1146-65-2	Naphthalene-d8	163000
15067-26-2	Acenaphthene-d10	63000
1517-22-2	Phenanthrene-d10	83200
1719-03-5	Chrysene-d12	123000
1520-96-3	Perylene-d12	136000

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Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/03/25		

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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