

Report of Analysis

Client:	PSEG	Date Collected:	11/20/25
Project:	PSEG - Moorestown HQ	Date Received:	11/20/25
Client Sample ID:	MOO-25-0331	SDG No.:	Q3697
Lab Sample ID:	Q3697-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.7
Sample Wt/Vol:	30.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 11/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.38	U	1	0.18	0.38	mg/Kg	11/21/25 15:57	PB170680
108-95-2	Phenol	0.20	U	1	0.026	0.20	mg/Kg	11/21/25 15:57	PB170680
111-44-4	bis(2-Chloroethyl)ether	0.20	U	1	0.028	0.20	mg/Kg	11/21/25 15:57	PB170680
95-57-8	2-Chlorophenol	0.20	U	1	0.028	0.20	mg/Kg	11/21/25 15:57	PB170680
95-48-7	2-Methylphenol	0.20	U	1	0.035	0.20	mg/Kg	11/21/25 15:57	PB170680
108-60-1	2,2-oxybis(1-Chloropropane)	0.20	U	1	0.043	0.20	mg/Kg	11/21/25 15:57	PB170680
98-86-2	Acetophenone	0.20	U	1	0.034	0.20	mg/Kg	11/21/25 15:57	PB170680
65794-96-9	3+4-Methylphenols	0.38	U	1	0.047	0.38	mg/Kg	11/21/25 15:57	PB170680
621-64-7	n-Nitroso-di-n-propylamine	0.092	U	1	0.055	0.092	mg/Kg	11/21/25 15:57	PB170680
67-72-1	Hexachloroethane	0.20	U	1	0.020	0.20	mg/Kg	11/21/25 15:57	PB170680
98-95-3	Nitrobenzene	0.20	U	1	0.021	0.20	mg/Kg	11/21/25 15:57	PB170680
78-59-1	Isophorone	0.20	U	1	0.038	0.20	mg/Kg	11/21/25 15:57	PB170680
88-75-5	2-Nitrophenol	0.20	U	1	0.067	0.20	mg/Kg	11/21/25 15:57	PB170680
105-67-9	2,4-Dimethylphenol	0.20	U	1	0.075	0.20	mg/Kg	11/21/25 15:57	PB170680
111-91-1	bis(2-Chloroethoxy)methane	0.20	U	1	0.036	0.20	mg/Kg	11/21/25 15:57	PB170680
120-83-2	2,4-Dichlorophenol	0.20	U	1	0.033	0.20	mg/Kg	11/21/25 15:57	PB170680
91-20-3	Naphthalene	0.20	U	1	0.026	0.20	mg/Kg	11/21/25 15:57	PB170680
106-47-8	4-Chloroaniline	0.20	U	1	0.041	0.20	mg/Kg	11/21/25 15:57	PB170680
87-68-3	Hexachlorobutadiene	0.20	U	1	0.029	0.20	mg/Kg	11/21/25 15:57	PB170680
105-60-2	Caprolactam	0.38	U	1	0.060	0.38	mg/Kg	11/21/25 15:57	PB170680
59-50-7	4-Chloro-3-methylphenol	0.20	U	1	0.033	0.20	mg/Kg	11/21/25 15:57	PB170680
91-57-6	2-Methylnaphthalene	0.20	U	1	0.030	0.20	mg/Kg	11/21/25 15:57	PB170680
77-47-4	Hexachlorocyclopentadiene	0.38	U	1	0.13	0.38	mg/Kg	11/21/25 15:57	PB170680
88-06-2	2,4,6-Trichlorophenol	0.20	U	1	0.023	0.20	mg/Kg	11/21/25 15:57	PB170680
95-95-4	2,4,5-Trichlorophenol	0.20	U	1	0.034	0.20	mg/Kg	11/21/25 15:57	PB170680
92-52-4	1,1-Biphenyl	0.20	U	1	0.025	0.20	mg/Kg	11/21/25 15:57	PB170680
91-58-7	2-Chloronaphthalene	0.20	U	1	0.026	0.20	mg/Kg	11/21/25 15:57	PB170680
88-74-4	2-Nitroaniline	0.20	U	1	0.055	0.20	mg/Kg	11/21/25 15:57	PB170680
131-11-3	Dimethylphthalate	0.20	U	1	0.031	0.20	mg/Kg	11/21/25 15:57	PB170680
208-96-8	Acenaphthylene	0.20	U	1	0.033	0.20	mg/Kg	11/21/25 15:57	PB170680
606-20-2	2,6-Dinitrotoluene	0.20	U	1	0.039	0.20	mg/Kg	11/21/25 15:57	PB170680
99-09-2	3-Nitroaniline	0.20	U	1	0.053	0.20	mg/Kg	11/21/25 15:57	PB170680
83-32-9	Acenaphthene	0.20	U	1	0.025	0.20	mg/Kg	11/21/25 15:57	PB170680
51-28-5	2,4-Dinitrophenol	0.38	U	1	0.26	0.38	mg/Kg	11/21/25 15:57	PB170680
100-02-7	4-Nitrophenol	0.38	U	1	0.12	0.38	mg/Kg	11/21/25 15:57	PB170680
132-64-9	Dibenzofuran	0.20	U	1	0.026	0.20	mg/Kg	11/21/25 15:57	PB170680
121-14-2	2,4-Dinitrotoluene	0.20	U	1	0.058	0.20	mg/Kg	11/21/25 15:57	PB170680
84-66-2	Diethylphthalate	0.20	U	1	0.033	0.20	mg/Kg	11/21/25 15:57	PB170680
7005-72-3	4-Chlorophenyl-phenylether	0.20	U	1	0.031	0.20	mg/Kg	11/21/25 15:57	PB170680
86-73-7	Fluorene	0.20	U	1	0.029	0.20	mg/Kg	11/21/25 15:57	PB170680
100-01-6	4-Nitroaniline	0.20	U	1	0.074	0.20	mg/Kg	11/21/25 15:57	PB170680
534-52-1	4,6-Dinitro-2-methylphenol	0.38	U	1	0.12	0.38	mg/Kg	11/21/25 15:57	PB170680

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Project:	PSEG - Moorestown HQ	Date Received:	11/20/25
Client Sample ID:	MOO-25-0331	SDG No.:	Q3697
Lab Sample ID:	Q3697-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.7
Sample Wt/Vol:	30.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 11/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.20	U	1	0.038	0.20	mg/Kg	11/21/25 15:57	PB170680
101-55-3	4-Bromophenyl-phenylether	0.20	U	1	0.032	0.20	mg/Kg	11/21/25 15:57	PB170680
118-74-1	Hexachlorobenzene	0.20	U	1	0.029	0.20	mg/Kg	11/21/25 15:57	PB170680
1912-24-9	Atrazine	0.20	U	1	0.039	0.20	mg/Kg	11/21/25 15:57	PB170680
87-86-5	Pentachlorophenol	0.38	U	1	0.059	0.38	mg/Kg	11/21/25 15:57	PB170680
85-01-8	Phenanthrene	0.67		1	0.024	0.20	mg/Kg	11/21/25 15:57	PB170680
120-12-7	Anthracene	0.20	U	1	0.038	0.20	mg/Kg	11/21/25 15:57	PB170680
86-74-8	Carbazole	0.20	U	1	0.036	0.20	mg/Kg	11/21/25 15:57	PB170680
84-74-2	Di-n-butylphthalate	0.20	U	1	0.055	0.20	mg/Kg	11/21/25 15:57	PB170680
206-44-0	Fluoranthene	0.77		1	0.035	0.20	mg/Kg	11/21/25 15:57	PB170680
129-00-0	Pyrene	0.72		1	0.042	0.20	mg/Kg	11/21/25 15:57	PB170680
85-68-7	Butylbenzylphthalate	0.20	U	1	0.082	0.20	mg/Kg	11/21/25 15:57	PB170680
91-94-1	3,3-Dichlorobenzidine	0.38	U	1	0.042	0.38	mg/Kg	11/21/25 15:57	PB170680
56-55-3	Benzo(a)anthracene	0.27		1	0.027	0.20	mg/Kg	11/21/25 15:57	PB170680
218-01-9	Chrysene	0.42		1	0.023	0.20	mg/Kg	11/21/25 15:57	PB170680
117-81-7	Bis(2-ethylhexyl)phthalate	0.14	J	1	0.068	0.20	mg/Kg	11/21/25 15:57	PB170680
117-84-0	Di-n-octyl phthalate	0.38	U	1	0.10	0.38	mg/Kg	11/21/25 15:57	PB170680
205-99-2	Benzo(b)fluoranthene	0.50		1	0.022	0.20	mg/Kg	11/21/25 15:57	PB170680
207-08-9	Benzo(k)fluoranthene	0.16	J	1	0.026	0.20	mg/Kg	11/21/25 15:57	PB170680
50-32-8	Benzo(a)pyrene	0.30		1	0.034	0.20	mg/Kg	11/21/25 15:57	PB170680
193-39-5	Indeno(1,2,3-cd)pyrene	0.21		1	0.034	0.20	mg/Kg	11/21/25 15:57	PB170680
53-70-3	Dibenzo(a,h)anthracene	0.20	U	1	0.032	0.20	mg/Kg	11/21/25 15:57	PB170680
191-24-2	Benzo(g,h,i)perylene	0.27		1	0.030	0.20	mg/Kg	11/21/25 15:57	PB170680
95-94-3	1,2,4,5-Tetrachlorobenzene	0.20	U	1	0.030	0.20	mg/Kg	11/21/25 15:57	PB170680
123-91-1	1,4-Dioxane	0.20	U	1	0.052	0.20	mg/Kg	11/21/25 15:57	PB170680
58-90-2	2,3,4,6-Tetrachlorophenol	0.20	U	1	0.032	0.20	mg/Kg	11/21/25 15:57	PB170680

SURROGATES

367-12-4	2-Fluorophenol	45.3		10 - 105	30%	SPK: 150
13127-88-3	Phenol-d6	42.9		10 - 103	29%	SPK: 150
4165-60-0	Nitrobenzene-d5	27.9		10 - 108	28%	SPK: 100
321-60-8	2-Fluorobiphenyl	32.2		10 - 108	32%	SPK: 100
118-79-6	2,4,6-Tribromophenol	41.5		10 - 116	28%	SPK: 150
1718-51-0	Terphenyl-d14	33.8		10 - 109	34%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	50600
1146-65-2	Naphthalene-d8	192000
15067-26-2	Acenaphthene-d10	143000
1517-22-2	Phenanthrene-d10	274000
1719-03-5	Chrysene-d12	326000
1520-96-3	Perylene-d12	367000

TENTATIVE IDENTIFIED COMPOUNDS

000138-86-3	Limonene	290	J	8.39	ug/Kg
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Sample Wt/Vol:	30.02 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
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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