

Report of Analysis

Client:	PSEG	Date Collected:	11/07/25
Project:	PSEG Moorestown HQ	Date Received:	11/07/25
Client Sample ID:	MOO-25-0317-0318-COMP	SDG No.:	Q3590
Lab Sample ID:	Q3590-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	46.2
Sample Wt/Vol:	5.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	4.30	U	1	2.00	4.30	mg/Kg	11/12/25 01:54	PB170478
108-95-2	Phenol	2.20	U	1	0.29	2.20	mg/Kg	11/12/25 01:54	PB170478
111-44-4	bis(2-Chloroethyl)ether	2.20	U	1	0.31	2.20	mg/Kg	11/12/25 01:54	PB170478
95-57-8	2-Chlorophenol	2.20	U	1	0.32	2.20	mg/Kg	11/12/25 01:54	PB170478
95-48-7	2-Methylphenol	2.20	U	1	0.39	2.20	mg/Kg	11/12/25 01:54	PB170478
108-60-1	2,2-oxybis(1-Chloropropane)	2.20	U	1	0.49	2.20	mg/Kg	11/12/25 01:54	PB170478
98-86-2	Acetophenone	2.20	U	1	0.38	2.20	mg/Kg	11/12/25 01:54	PB170478
65794-96-9	3+4-Methylphenols	4.30	U	1	0.53	4.30	mg/Kg	11/12/25 01:54	PB170478
621-64-7	n-Nitroso-di-n-propylamine	1.00	U	1	0.61	1.00	mg/Kg	11/12/25 01:54	PB170478
67-72-1	Hexachloroethane	2.20	U	1	0.23	2.20	mg/Kg	11/12/25 01:54	PB170478
98-95-3	Nitrobenzene	2.20	U	1	0.24	2.20	mg/Kg	11/12/25 01:54	PB170478
78-59-1	Isophorone	2.20	U	1	0.42	2.20	mg/Kg	11/12/25 01:54	PB170478
88-75-5	2-Nitrophenol	2.20	U	1	0.75	2.20	mg/Kg	11/12/25 01:54	PB170478
105-67-9	2,4-Dimethylphenol	2.20	U	1	0.84	2.20	mg/Kg	11/12/25 01:54	PB170478
111-91-1	bis(2-Chloroethoxy)methane	2.20	U	1	0.40	2.20	mg/Kg	11/12/25 01:54	PB170478
120-83-2	2,4-Dichlorophenol	2.20	U	1	0.37	2.20	mg/Kg	11/12/25 01:54	PB170478
91-20-3	Naphthalene	2.20	U	1	0.29	2.20	mg/Kg	11/12/25 01:54	PB170478
106-47-8	4-Chloroaniline	2.20	U	1	0.46	2.20	mg/Kg	11/12/25 01:54	PB170478
87-68-3	Hexachlorobutadiene	2.20	U	1	0.33	2.20	mg/Kg	11/12/25 01:54	PB170478
105-60-2	Caprolactam	4.30	U	1	0.67	4.30	mg/Kg	11/12/25 01:54	PB170478
59-50-7	4-Chloro-3-methylphenol	2.20	U	1	0.37	2.20	mg/Kg	11/12/25 01:54	PB170478
91-57-6	2-Methylnaphthalene	2.20	U	1	0.33	2.20	mg/Kg	11/12/25 01:54	PB170478
77-47-4	Hexachlorocyclopentadiene	4.30	U	1	1.50	4.30	mg/Kg	11/12/25 01:54	PB170478
88-06-2	2,4,6-Trichlorophenol	2.20	U	1	0.26	2.20	mg/Kg	11/12/25 01:54	PB170478
95-95-4	2,4,5-Trichlorophenol	2.20	U	1	0.38	2.20	mg/Kg	11/12/25 01:54	PB170478
92-52-4	1,1-Biphenyl	2.20	U	1	0.28	2.20	mg/Kg	11/12/25 01:54	PB170478
91-58-7	2-Chloronaphthalene	2.20	U	1	0.29	2.20	mg/Kg	11/12/25 01:54	PB170478
88-74-4	2-Nitroaniline	2.20	U	1	0.62	2.20	mg/Kg	11/12/25 01:54	PB170478
131-11-3	Dimethylphthalate	2.20	U	1	0.35	2.20	mg/Kg	11/12/25 01:54	PB170478
208-96-8	Acenaphthylene	2.20	U	1	0.37	2.20	mg/Kg	11/12/25 01:54	PB170478
606-20-2	2,6-Dinitrotoluene	2.20	U	1	0.43	2.20	mg/Kg	11/12/25 01:54	PB170478
99-09-2	3-Nitroaniline	2.20	U	1	0.60	2.20	mg/Kg	11/12/25 01:54	PB170478
83-32-9	Acenaphthene	2.20	U	1	0.28	2.20	mg/Kg	11/12/25 01:54	PB170478
51-28-5	2,4-Dinitrophenol	4.30	U	1	3.00	4.30	mg/Kg	11/12/25 01:54	PB170478
100-02-7	4-Nitrophenol	4.30	U	1	1.40	4.30	mg/Kg	11/12/25 01:54	PB170478
132-64-9	Dibenzofuran	2.20	U	1	0.29	2.20	mg/Kg	11/12/25 01:54	PB170478
121-14-2	2,4-Dinitrotoluene	2.20	U	1	0.65	2.20	mg/Kg	11/12/25 01:54	PB170478
84-66-2	Diethylphthalate	2.20	U	1	0.37	2.20	mg/Kg	11/12/25 01:54	PB170478
7005-72-3	4-Chlorophenyl-phenylether	2.20	U	1	0.35	2.20	mg/Kg	11/12/25 01:54	PB170478
86-73-7	Fluorene	2.20	U	1	0.33	2.20	mg/Kg	11/12/25 01:54	PB170478
100-01-6	4-Nitroaniline	2.20	U	1	0.83	2.20	mg/Kg	11/12/25 01:54	PB170478
534-52-1	4,6-Dinitro-2-methylphenol	4.30	U	1	1.30	4.30	mg/Kg	11/12/25 01:54	PB170478

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Lab Sample ID:	Q3590-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	46.2
Sample Wt/Vol:	5.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	2.20	U	1	0.43	2.20	mg/Kg	11/12/25 01:54	PB170478
101-55-3	4-Bromophenyl-phenylether	2.20	U	1	0.36	2.20	mg/Kg	11/12/25 01:54	PB170478
118-74-1	Hexachlorobenzene	2.20	U	1	0.33	2.20	mg/Kg	11/12/25 01:54	PB170478
1912-24-9	Atrazine	2.20	U	1	0.44	2.20	mg/Kg	11/12/25 01:54	PB170478
87-86-5	Pentachlorophenol	4.30	U	1	0.66	4.30	mg/Kg	11/12/25 01:54	PB170478
85-01-8	Phenanthrene	2.20	U	1	0.27	2.20	mg/Kg	11/12/25 01:54	PB170478
120-12-7	Anthracene	2.20	U	1	0.43	2.20	mg/Kg	11/12/25 01:54	PB170478
86-74-8	Carbazole	2.20	U	1	0.40	2.20	mg/Kg	11/12/25 01:54	PB170478
84-74-2	Di-n-butylphthalate	2.20	U	1	0.62	2.20	mg/Kg	11/12/25 01:54	PB170478
206-44-0	Fluoranthene	1.00	J	1	0.39	2.20	mg/Kg	11/12/25 01:54	PB170478
129-00-0	Pyrene	2.20	U	1	0.47	2.20	mg/Kg	11/12/25 01:54	PB170478
85-68-7	Butylbenzylphthalate	2.20	U	1	0.92	2.20	mg/Kg	11/12/25 01:54	PB170478
91-94-1	3,3-Dichlorobenzidine	4.30	U	1	0.47	4.30	mg/Kg	11/12/25 01:54	PB170478
56-55-3	Benzo(a)anthracene	2.20	U	1	0.30	2.20	mg/Kg	11/12/25 01:54	PB170478
218-01-9	Chrysene	2.20	U	1	0.26	2.20	mg/Kg	11/12/25 01:54	PB170478
117-81-7	Bis(2-ethylhexyl)phthalate	2.90		1	0.77	2.20	mg/Kg	11/12/25 01:54	PB170478
117-84-0	Di-n-octyl phthalate	4.30	U	1	1.10	4.30	mg/Kg	11/12/25 01:54	PB170478
205-99-2	Benzo(b)fluoranthene	2.20	U	1	0.25	2.20	mg/Kg	11/12/25 01:54	PB170478
207-08-9	Benzo(k)fluoranthene	2.20	U	1	0.29	2.20	mg/Kg	11/12/25 01:54	PB170478
50-32-8	Benzo(a)pyrene	2.20	U	1	0.38	2.20	mg/Kg	11/12/25 01:54	PB170478
193-39-5	Indeno(1,2,3-cd)pyrene	2.20	U	1	0.38	2.20	mg/Kg	11/12/25 01:54	PB170478
53-70-3	Dibenzo(a,h)anthracene	2.20	U	1	0.35	2.20	mg/Kg	11/12/25 01:54	PB170478
191-24-2	Benzo(g,h,i)perylene	2.20	U	1	0.33	2.20	mg/Kg	11/12/25 01:54	PB170478
95-94-3	1,2,4,5-Tetrachlorobenzene	2.20	U	1	0.33	2.20	mg/Kg	11/12/25 01:54	PB170478
123-91-1	1,4-Dioxane	2.20	U	1	0.58	2.20	mg/Kg	11/12/25 01:54	PB170478
58-90-2	2,3,4,6-Tetrachlorophenol	2.20	U	1	0.35	2.20	mg/Kg	11/12/25 01:54	PB170478

SURROGATES

367-12-4	2-Fluorophenol	76.2		10 - 105	51%	SPK: 150
13127-88-3	Phenol-d6	75.9		10 - 103	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.2		10 - 108	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.9		10 - 108	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.7		10 - 116	46%	SPK: 150
1718-51-0	Terphenyl-d14	43.4		10 - 109	43%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	73600
1146-65-2	Naphthalene-d8	270000
15067-26-2	Acenaphthene-d10	130000
1517-22-2	Phenanthrene-d10	178000
1719-03-5	Chrysene-d12	136000
1520-96-3	Perylene-d12	147000

TENTATIVE IDENTIFIED COMPOUNDS

000128-39-2	Phenol, 2,6-bis(1,1-dimethylethyl)	6000	J	9.57	ug/Kg
000544-76-3	Hexadecane	6500	J	11.7	ug/Kg

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Lab Sample ID:	Q3590-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	46.2
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	5.02 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
013287-24-6	Nonadecane, 9-methyl-	12000	J			12.1	ug/Kg		
001560-89-0	Heptadecane, 2-methyl-	15000	J			12.4	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