

Report of Analysis

Client:	PSEG	Date Collected:	11/07/25
Project:	PSEG Moorestown HQ	Date Received:	11/07/25
Client Sample ID:	MOO-25-0319	SDG No.:	Q3590
Lab Sample ID:	Q3590-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.03 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	2.00	U	1	0.93	2.00	mg/Kg	11/11/25 20:00	PB170478
108-95-2	Phenol	1.00	U	1	0.13	1.00	mg/Kg	11/11/25 20:00	PB170478
111-44-4	bis(2-Chloroethyl)ether	1.00	U	1	0.14	1.00	mg/Kg	11/11/25 20:00	PB170478
95-57-8	2-Chlorophenol	1.00	U	1	0.15	1.00	mg/Kg	11/11/25 20:00	PB170478
95-48-7	2-Methylphenol	1.00	U	1	0.18	1.00	mg/Kg	11/11/25 20:00	PB170478
108-60-1	2,2-oxybis(1-Chloropropane)	1.00	U	1	0.22	1.00	mg/Kg	11/11/25 20:00	PB170478
98-86-2	Acetophenone	1.00	U	1	0.18	1.00	mg/Kg	11/11/25 20:00	PB170478
65794-96-9	3+4-Methylphenols	2.00	U	1	0.25	2.00	mg/Kg	11/11/25 20:00	PB170478
621-64-7	n-Nitroso-di-n-propylamine	0.48	U	1	0.28	0.48	mg/Kg	11/11/25 20:00	PB170478
67-72-1	Hexachloroethane	1.00	U	1	0.10	1.00	mg/Kg	11/11/25 20:00	PB170478
98-95-3	Nitrobenzene	1.00	U	1	0.11	1.00	mg/Kg	11/11/25 20:00	PB170478
78-59-1	Isophorone	1.00	U	1	0.20	1.00	mg/Kg	11/11/25 20:00	PB170478
88-75-5	2-Nitrophenol	1.00	U	1	0.35	1.00	mg/Kg	11/11/25 20:00	PB170478
105-67-9	2,4-Dimethylphenol	1.00	U	1	0.39	1.00	mg/Kg	11/11/25 20:00	PB170478
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1	0.18	1.00	mg/Kg	11/11/25 20:00	PB170478
120-83-2	2,4-Dichlorophenol	1.00	U	1	0.17	1.00	mg/Kg	11/11/25 20:00	PB170478
91-20-3	Naphthalene	1.00	U	1	0.14	1.00	mg/Kg	11/11/25 20:00	PB170478
106-47-8	4-Chloroaniline	1.00	U	1	0.21	1.00	mg/Kg	11/11/25 20:00	PB170478
87-68-3	Hexachlorobutadiene	1.00	U	1	0.15	1.00	mg/Kg	11/11/25 20:00	PB170478
105-60-2	Caprolactam	2.00	U	1	0.31	2.00	mg/Kg	11/11/25 20:00	PB170478
59-50-7	4-Chloro-3-methylphenol	1.00	U	1	0.17	1.00	mg/Kg	11/11/25 20:00	PB170478
91-57-6	2-Methylnaphthalene	1.00	U	1	0.15	1.00	mg/Kg	11/11/25 20:00	PB170478
77-47-4	Hexachlorocyclopentadiene	2.00	U	1	0.69	2.00	mg/Kg	11/11/25 20:00	PB170478
88-06-2	2,4,6-Trichlorophenol	1.00	U	1	0.12	1.00	mg/Kg	11/11/25 20:00	PB170478
95-95-4	2,4,5-Trichlorophenol	1.00	U	1	0.17	1.00	mg/Kg	11/11/25 20:00	PB170478
92-52-4	1,1-Biphenyl	5.20		1	0.13	1.00	mg/Kg	11/11/25 20:00	PB170478
91-58-7	2-Chloronaphthalene	1.00	U	1	0.13	1.00	mg/Kg	11/11/25 20:00	PB170478
88-74-4	2-Nitroaniline	1.00	U	1	0.29	1.00	mg/Kg	11/11/25 20:00	PB170478
131-11-3	Dimethylphthalate	14.7		1	0.16	1.00	mg/Kg	11/11/25 20:00	PB170478
208-96-8	Acenaphthylene	1.00	U	1	0.17	1.00	mg/Kg	11/11/25 20:00	PB170478
606-20-2	2,6-Dinitrotoluene	1.00	U	1	0.20	1.00	mg/Kg	11/11/25 20:00	PB170478
99-09-2	3-Nitroaniline	1.00	U	1	0.27	1.00	mg/Kg	11/11/25 20:00	PB170478
83-32-9	Acenaphthene	1.00	U	1	0.13	1.00	mg/Kg	11/11/25 20:00	PB170478
51-28-5	2,4-Dinitrophenol	2.00	U	1	1.40	2.00	mg/Kg	11/11/25 20:00	PB170478
100-02-7	4-Nitrophenol	2.00	U	1	0.64	2.00	mg/Kg	11/11/25 20:00	PB170478
132-64-9	Dibenzofuran	1.00	U	1	0.14	1.00	mg/Kg	11/11/25 20:00	PB170478
121-14-2	2,4-Dinitrotoluene	1.00	U	1	0.30	1.00	mg/Kg	11/11/25 20:00	PB170478
84-66-2	Diethylphthalate	1.00	U	1	0.17	1.00	mg/Kg	11/11/25 20:00	PB170478
7005-72-3	4-Chlorophenyl-phenylether	1.00	U	1	0.16	1.00	mg/Kg	11/11/25 20:00	PB170478
86-73-7	Fluorene	1.00	U	1	0.15	1.00	mg/Kg	11/11/25 20:00	PB170478
100-01-6	4-Nitroaniline	1.00	U	1	0.38	1.00	mg/Kg	11/11/25 20:00	PB170478
534-52-1	4,6-Dinitro-2-methylphenol	2.00	U	1	0.61	2.00	mg/Kg	11/11/25 20:00	PB170478

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Lab Sample ID:	Q3590-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.03 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	1.00	U	1	0.20	1.00	mg/Kg	11/11/25 20:00	PB170478
101-55-3	4-Bromophenyl-phenylether	1.00	U	1	0.17	1.00	mg/Kg	11/11/25 20:00	PB170478
118-74-1	Hexachlorobenzene	1.00	U	1	0.15	1.00	mg/Kg	11/11/25 20:00	PB170478
1912-24-9	Atrazine	1.00	U	1	0.20	1.00	mg/Kg	11/11/25 20:00	PB170478
87-86-5	Pentachlorophenol	2.00	U	1	0.31	2.00	mg/Kg	11/11/25 20:00	PB170478
85-01-8	Phenanthrene	1.00	U	1	0.12	1.00	mg/Kg	11/11/25 20:00	PB170478
120-12-7	Anthracene	1.00	U	1	0.20	1.00	mg/Kg	11/11/25 20:00	PB170478
86-74-8	Carbazole	1.00	U	1	0.19	1.00	mg/Kg	11/11/25 20:00	PB170478
84-74-2	Di-n-butylphthalate	1.00	U	1	0.29	1.00	mg/Kg	11/11/25 20:00	PB170478
206-44-0	Fluoranthene	1.00	U	1	0.18	1.00	mg/Kg	11/11/25 20:00	PB170478
129-00-0	Pyrene	1.00	U	1	0.21	1.00	mg/Kg	11/11/25 20:00	PB170478
85-68-7	Butylbenzylphthalate	1.00	U	1	0.43	1.00	mg/Kg	11/11/25 20:00	PB170478
91-94-1	3,3-Dichlorobenzidine	2.00	U	1	0.22	2.00	mg/Kg	11/11/25 20:00	PB170478
56-55-3	Benzo(a)anthracene	1.00	U	1	0.14	1.00	mg/Kg	11/11/25 20:00	PB170478
218-01-9	Chrysene	1.00	U	1	0.12	1.00	mg/Kg	11/11/25 20:00	PB170478
117-81-7	Bis(2-ethylhexyl)phthalate	1.00	U	1	0.35	1.00	mg/Kg	11/11/25 20:00	PB170478
117-84-0	Di-n-octyl phthalate	2.00	U	1	0.52	2.00	mg/Kg	11/11/25 20:00	PB170478
205-99-2	Benzo(b)fluoranthene	1.00	U	1	0.11	1.00	mg/Kg	11/11/25 20:00	PB170478
207-08-9	Benzo(k)fluoranthene	1.00	U	1	0.13	1.00	mg/Kg	11/11/25 20:00	PB170478
50-32-8	Benzo(a)pyrene	1.00	U	1	0.18	1.00	mg/Kg	11/11/25 20:00	PB170478
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1	0.17	1.00	mg/Kg	11/11/25 20:00	PB170478
53-70-3	Dibenzo(a,h)anthracene	1.00	U	1	0.16	1.00	mg/Kg	11/11/25 20:00	PB170478
191-24-2	Benzo(g,h,i)perylene	1.00	U	1	0.15	1.00	mg/Kg	11/11/25 20:00	PB170478
95-94-3	1,2,4,5-Tetrachlorobenzene	1.00	U	1	0.15	1.00	mg/Kg	11/11/25 20:00	PB170478
123-91-1	1,4-Dioxane	1.00	U	1	0.27	1.00	mg/Kg	11/11/25 20:00	PB170478
58-90-2	2,3,4,6-Tetrachlorophenol	1.00	U	1	0.16	1.00	mg/Kg	11/11/25 20:00	PB170478

SURROGATES

367-12-4	2-Fluorophenol	44.2		10 - 105	29%	SPK: 150
13127-88-3	Phenol-d6	44.7		10 - 103	30%	SPK: 150
4165-60-0	Nitrobenzene-d5	38.7		10 - 108	39%	SPK: 100
321-60-8	2-Fluorobiphenyl	35.1		10 - 108	35%	SPK: 100
118-79-6	2,4,6-Tribromophenol	50.6		10 - 116	34%	SPK: 150
1718-51-0	Terphenyl-d14	24.9		10 - 109	25%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	73900
1146-65-2	Naphthalene-d8	217000
15067-26-2	Acenaphthene-d10	83800
1517-22-2	Phenanthrene-d10	150000
1719-03-5	Chrysene-d12	158000
1520-96-3	Perylene-d12	211000

TENTATIVE IDENTIFIED COMPOUNDS

001074-43-7	Benzene, 1-methyl-3-propyl-	4700	J	7.15	ug/Kg
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	2700	J	7.19	ug/Kg

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Analytical Method:	8270E	% Solid:	100
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	5.03 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
000091-17-8	Naphthalene, decahydro-	5400	J			7.27	ug/Kg		
1000152-47-3	trans-Decalin, 2-methyl-	4200	J			7.68	ug/Kg		
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	2700	J			8.00	ug/Kg		
003877-19-8	Naphthalene, 1,2,3,4-tetrahydro-2-	1600	J			8.36	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