

Report of Analysis

Client:	PSEG	Date Collected:	11/20/25
Project:	PSEG - Moorestown HQ	Date Received:	11/20/25
Client Sample ID:	MOO-25-0332	SDG No.:	Q3697
Lab Sample ID:	Q3697-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.02 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	2.00	U	1	0.93	2.00	mg/Kg	11/21/25 16:21	PB170680
108-95-2	Phenol	1.00	U	1	0.13	1.00	mg/Kg	11/21/25 16:21	PB170680
111-44-4	bis(2-Chloroethyl)ether	1.00	U	1	0.15	1.00	mg/Kg	11/21/25 16:21	PB170680
95-57-8	2-Chlorophenol	1.00	U	1	0.15	1.00	mg/Kg	11/21/25 16:21	PB170680
95-48-7	2-Methylphenol	1.00	U	1	0.18	1.00	mg/Kg	11/21/25 16:21	PB170680
108-60-1	2,2-oxybis(1-Chloropropane)	1.00	U	1	0.22	1.00	mg/Kg	11/21/25 16:21	PB170680
98-86-2	Acetophenone	1.00	U	1	0.18	1.00	mg/Kg	11/21/25 16:21	PB170680
65794-96-9	3+4-Methylphenols	2.00	U	1	0.25	2.00	mg/Kg	11/21/25 16:21	PB170680
621-64-7	n-Nitroso-di-n-propylamine	0.48	U	1	0.28	0.48	mg/Kg	11/21/25 16:21	PB170680
67-72-1	Hexachloroethane	1.00	U	1	0.11	1.00	mg/Kg	11/21/25 16:21	PB170680
98-95-3	Nitrobenzene	1.00	U	1	0.11	1.00	mg/Kg	11/21/25 16:21	PB170680
78-59-1	Isophorone	1.00	U	1	0.20	1.00	mg/Kg	11/21/25 16:21	PB170680
88-75-5	2-Nitrophenol	1.00	U	1	0.35	1.00	mg/Kg	11/21/25 16:21	PB170680
105-67-9	2,4-Dimethylphenol	1.00	U	1	0.39	1.00	mg/Kg	11/21/25 16:21	PB170680
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1	0.18	1.00	mg/Kg	11/21/25 16:21	PB170680
120-83-2	2,4-Dichlorophenol	1.00	U	1	0.17	1.00	mg/Kg	11/21/25 16:21	PB170680
91-20-3	Naphthalene	1.00	U	1	0.14	1.00	mg/Kg	11/21/25 16:21	PB170680
106-47-8	4-Chloroaniline	1.00	U	1	0.21	1.00	mg/Kg	11/21/25 16:21	PB170680
87-68-3	Hexachlorobutadiene	1.00	U	1	0.15	1.00	mg/Kg	11/21/25 16:21	PB170680
105-60-2	Caprolactam	2.00	U	1	0.31	2.00	mg/Kg	11/21/25 16:21	PB170680
59-50-7	4-Chloro-3-methylphenol	1.00	U	1	0.17	1.00	mg/Kg	11/21/25 16:21	PB170680
91-57-6	2-Methylnaphthalene	1.00	U	1	0.15	1.00	mg/Kg	11/21/25 16:21	PB170680
77-47-4	Hexachlorocyclopentadiene	2.00	U	1	0.69	2.00	mg/Kg	11/21/25 16:21	PB170680
88-06-2	2,4,6-Trichlorophenol	1.00	U	1	0.12	1.00	mg/Kg	11/21/25 16:21	PB170680
95-95-4	2,4,5-Trichlorophenol	1.00	U	1	0.17	1.00	mg/Kg	11/21/25 16:21	PB170680
92-52-4	1,1-Biphenyl	1.00	U	1	0.13	1.00	mg/Kg	11/21/25 16:21	PB170680
91-58-7	2-Chloronaphthalene	1.00	U	1	0.13	1.00	mg/Kg	11/21/25 16:21	PB170680
88-74-4	2-Nitroaniline	1.00	U	1	0.29	1.00	mg/Kg	11/21/25 16:21	PB170680
131-11-3	Dimethylphthalate	1.00	U	1	0.16	1.00	mg/Kg	11/21/25 16:21	PB170680
208-96-8	Acenaphthylene	1.00	U	1	0.17	1.00	mg/Kg	11/21/25 16:21	PB170680
606-20-2	2,6-Dinitrotoluene	1.00	U	1	0.20	1.00	mg/Kg	11/21/25 16:21	PB170680
99-09-2	3-Nitroaniline	1.00	U	1	0.27	1.00	mg/Kg	11/21/25 16:21	PB170680
83-32-9	Acenaphthene	1.00	U	1	0.13	1.00	mg/Kg	11/21/25 16:21	PB170680
51-28-5	2,4-Dinitrophenol	2.00	U	1	1.40	2.00	mg/Kg	11/21/25 16:21	PB170680
100-02-7	4-Nitrophenol	2.00	U	1	0.64	2.00	mg/Kg	11/21/25 16:21	PB170680
132-64-9	Dibenzofuran	1.00	U	1	0.14	1.00	mg/Kg	11/21/25 16:21	PB170680
121-14-2	2,4-Dinitrotoluene	1.00	U	1	0.30	1.00	mg/Kg	11/21/25 16:21	PB170680
84-66-2	Diethylphthalate	1.00	U	1	0.17	1.00	mg/Kg	11/21/25 16:21	PB170680
7005-72-3	4-Chlorophenyl-phenylether	1.00	U	1	0.16	1.00	mg/Kg	11/21/25 16:21	PB170680
86-73-7	Fluorene	1.00	U	1	0.15	1.00	mg/Kg	11/21/25 16:21	PB170680
100-01-6	4-Nitroaniline	1.00	U	1	0.38	1.00	mg/Kg	11/21/25 16:21	PB170680
534-52-1	4,6-Dinitro-2-methylphenol	2.00	U	1	0.62	2.00	mg/Kg	11/21/25 16:21	PB170680

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Lab Sample ID:	Q3697-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.02 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	1.00	U	1	0.20	1.00	mg/Kg	11/21/25 16:21	PB170680
101-55-3	4-Bromophenyl-phenylether	1.00	U	1	0.17	1.00	mg/Kg	11/21/25 16:21	PB170680
118-74-1	Hexachlorobenzene	1.00	U	1	0.15	1.00	mg/Kg	11/21/25 16:21	PB170680
1912-24-9	Atrazine	1.00	U	1	0.20	1.00	mg/Kg	11/21/25 16:21	PB170680
87-86-5	Pentachlorophenol	2.00	U	1	0.31	2.00	mg/Kg	11/21/25 16:21	PB170680
85-01-8	Phenanthrene	1.00	U	1	0.12	1.00	mg/Kg	11/21/25 16:21	PB170680
120-12-7	Anthracene	1.00	U	1	0.20	1.00	mg/Kg	11/21/25 16:21	PB170680
86-74-8	Carbazole	1.00	U	1	0.19	1.00	mg/Kg	11/21/25 16:21	PB170680
84-74-2	Di-n-butylphthalate	1.00	U	1	0.29	1.00	mg/Kg	11/21/25 16:21	PB170680
206-44-0	Fluoranthene	1.00	U	1	0.18	1.00	mg/Kg	11/21/25 16:21	PB170680
129-00-0	Pyrene	1.00	U	1	0.22	1.00	mg/Kg	11/21/25 16:21	PB170680
85-68-7	Butylbenzylphthalate	1.00	U	1	0.43	1.00	mg/Kg	11/21/25 16:21	PB170680
91-94-1	3,3-Dichlorobenzidine	2.00	U	1	0.22	2.00	mg/Kg	11/21/25 16:21	PB170680
56-55-3	Benzo(a)anthracene	1.00	U	1	0.14	1.00	mg/Kg	11/21/25 16:21	PB170680
218-01-9	Chrysene	1.00	U	1	0.12	1.00	mg/Kg	11/21/25 16:21	PB170680
117-81-7	Bis(2-ethylhexyl)phthalate	1.00	U	1	0.35	1.00	mg/Kg	11/21/25 16:21	PB170680
117-84-0	Di-n-octyl phthalate	2.00	U	1	0.52	2.00	mg/Kg	11/21/25 16:21	PB170680
205-99-2	Benzo(b)fluoranthene	1.00	U	1	0.11	1.00	mg/Kg	11/21/25 16:21	PB170680
207-08-9	Benzo(k)fluoranthene	1.00	U	1	0.13	1.00	mg/Kg	11/21/25 16:21	PB170680
50-32-8	Benzo(a)pyrene	1.00	U	1	0.18	1.00	mg/Kg	11/21/25 16:21	PB170680
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1	0.17	1.00	mg/Kg	11/21/25 16:21	PB170680
53-70-3	Dibenzo(a,h)anthracene	1.00	U	1	0.16	1.00	mg/Kg	11/21/25 16:21	PB170680
191-24-2	Benzo(g,h,i)perylene	1.00	U	1	0.15	1.00	mg/Kg	11/21/25 16:21	PB170680
95-94-3	1,2,4,5-Tetrachlorobenzene	1.00	U	1	0.15	1.00	mg/Kg	11/21/25 16:21	PB170680
123-91-1	1,4-Dioxane	1.00	U	1	0.27	1.00	mg/Kg	11/21/25 16:21	PB170680
58-90-2	2,3,4,6-Tetrachlorophenol	1.00	U	1	0.16	1.00	mg/Kg	11/21/25 16:21	PB170680

SURROGATES

367-12-4	2-Fluorophenol	89.5		10 - 105	60%	SPK: 150
13127-88-3	Phenol-d6	87.4		10 - 103	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.1		10 - 108	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.9		10 - 108	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.0		10 - 116	59%	SPK: 150
1718-51-0	Terphenyl-d14	62.2		10 - 109	62%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	289000
1146-65-2	Naphthalene-d8	1100000
15067-26-2	Acenaphthene-d10	661000
1517-22-2	Phenanthrene-d10	1300000
1719-03-5	Chrysene-d12	1470000
1520-96-3	Perylene-d12	1730000

TENTATIVE IDENTIFIED COMPOUNDS

000629-99-2	Pentacosane	6300	J	14.6	ug/Kg
000629-94-7	Heneicosane	3500	J	16.1	ug/Kg

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Lab Sample ID:	Q3697-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	5.02 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
013187-99-0	2-Bromo dodecane	8900	J			16.5	ug/Kg		
000295-17-0	Cyclotetradecane	3700	J			17.6	ug/Kg		
000629-78-7	Heptadecane	17800	J			18.1	ug/Kg		
000142-91-6	Isopropyl palmitate	9200	J			18.5	ug/Kg		
015594-90-8	1-Heneicosanol	4400	J			19.0	ug/Kg		
007225-64-1	Heptadecane, 9-octyl-	3800	J			19.2	ug/Kg		
001560-88-9	Octadecane, 2-methyl-	5400	J			19.5	ug/Kg		
001560-92-5	Hexadecane, 2-methyl-	6300	J			21.8	ug/Kg		
1000406-32-4	Dotriacontane, 1-iodo-	17400	J			23.2	ug/Kg		
000646-31-1	Tetracosane	16700	J			25.2	ug/Kg		
000630-01-3	Hexacosane	16200	J			28.0	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