

Report of Analysis

Client:	PSEG	Date Collected:	08/28/25
Project:	Moorestown HQ	Date Received:	08/28/25
Client Sample ID:	MOO-25-0237	SDG No.:	Q2982
Lab Sample ID:	Q2982-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064242.D	10	08/29/25 09:15	09/02/25 12:41	PB169461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	39.4	U	18.6	39.4	mg/Kg
108-95-2	Phenol	20.3	U	2.60	20.3	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	20.3	U	2.90	20.3	mg/Kg
95-57-8	2-Chlorophenol	20.3	U	2.90	20.3	mg/Kg
95-48-7	2-Methylphenol	20.3	U	3.60	20.3	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	20.3	U	4.50	20.3	mg/Kg
98-86-2	Acetophenone	20.3	U	3.50	20.3	mg/Kg
65794-96-9	3+4-Methylphenols	39.4	U	4.90	39.4	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	9.50	U	5.70	9.50	mg/Kg
67-72-1	Hexachloroethane	20.3	U	2.10	20.3	mg/Kg
98-95-3	Nitrobenzene	20.3	U	2.20	20.3	mg/Kg
78-59-1	Isophorone	20.3	U	3.90	20.3	mg/Kg
88-75-5	2-Nitrophenol	20.3	U	6.90	20.3	mg/Kg
105-67-9	2,4-Dimethylphenol	20.3	U	7.70	20.3	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	20.3	U	3.70	20.3	mg/Kg
120-83-2	2,4-Dichlorophenol	20.3	U	3.40	20.3	mg/Kg
91-20-3	Naphthalene	20.3	U	2.70	20.3	mg/Kg
106-47-8	4-Chloroaniline	20.3	U	4.20	20.3	mg/Kg
87-68-3	Hexachlorobutadiene	20.3	U	3.00	20.3	mg/Kg
105-60-2	Caprolactam	39.4	U	6.20	39.4	mg/Kg
59-50-7	4-Chloro-3-methylphenol	20.3	U	3.40	20.3	mg/Kg
91-57-6	2-Methylnaphthalene	20.3	U	3.10	20.3	mg/Kg
77-47-4	Hexachlorocyclopentadiene	39.4	U	13.8	39.4	mg/Kg
88-06-2	2,4,6-Trichlorophenol	20.3	U	2.40	20.3	mg/Kg
95-95-4	2,4,5-Trichlorophenol	20.3	U	3.50	20.3	mg/Kg
92-52-4	1,1-Biphenyl	20.3	U	2.60	20.3	mg/Kg
91-58-7	2-Chloronaphthalene	20.3	U	2.70	20.3	mg/Kg
88-74-4	2-Nitroaniline	20.3	U	5.70	20.3	mg/Kg
131-11-3	Dimethylphthalate	20.3	U	3.20	20.3	mg/Kg

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Lab Sample ID:	Q2982-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		Final Vol:	2000
		PH :	

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	20.3	U	3.40	20.3	mg/Kg
606-20-2	2,6-Dinitrotoluene	20.3	U	4.00	20.3	mg/Kg
99-09-2	3-Nitroaniline	20.3	U	5.50	20.3	mg/Kg
83-32-9	Acenaphthene	20.3	U	2.50	20.3	mg/Kg
51-28-5	2,4-Dinitrophenol	39.4	U	27.3	39.4	mg/Kg
100-02-7	4-Nitrophenol	39.4	U	12.8	39.4	mg/Kg
132-64-9	Dibenzofuran	20.3	U	2.70	20.3	mg/Kg
121-14-2	2,4-Dinitrotoluene	20.3	U	6.00	20.3	mg/Kg
84-66-2	Diethylphthalate	20.3	U	3.40	20.3	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	20.3	U	3.20	20.3	mg/Kg
86-73-7	Fluorene	20.3	U	3.00	20.3	mg/Kg
100-01-6	4-Nitroaniline	20.3	U	7.70	20.3	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	39.4	U	12.3	39.4	mg/Kg
86-30-6	n-Nitrosodiphenylamine	20.3	U	3.90	20.3	mg/Kg
101-55-3	4-Bromophenyl-phenylether	20.3	U	3.30	20.3	mg/Kg
118-74-1	Hexachlorobenzene	20.3	U	3.00	20.3	mg/Kg
1912-24-9	Atrazine	20.3	U	4.10	20.3	mg/Kg
87-86-5	Pentachlorophenol	39.4	U	6.10	39.4	mg/Kg
85-01-8	Phenanthrene	20.3	U	2.50	20.3	mg/Kg
120-12-7	Anthracene	20.3	U	4.00	20.3	mg/Kg
86-74-8	Carbazole	20.3	U	3.70	20.3	mg/Kg
84-74-2	Di-n-butylphthalate	20.3	U	5.70	20.3	mg/Kg
206-44-0	Fluoranthene	20.3	U	3.60	20.3	mg/Kg
129-00-0	Pyrene	20.3	U	4.30	20.3	mg/Kg
85-68-7	Butylbenzylphthalate	20.3	U	8.50	20.3	mg/Kg
91-94-1	3,3-Dichlorobenzidine	39.4	U	4.40	39.4	mg/Kg
56-55-3	Benzo(a)anthracene	20.3	U	2.70	20.3	mg/Kg
218-01-9	Chrysene	20.3	U	2.40	20.3	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	20.3	U	7.10	20.3	mg/Kg
117-84-0	Di-n-octyl phthalate	39.4	U	10.4	39.4	mg/Kg
205-99-2	Benzo(b)fluoranthene	20.3	U	2.30	20.3	mg/Kg

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Lab Sample ID:	Q2982-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

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207-08-9	Benzo(k)fluoranthene	20.3	U	2.70	20.3	mg/Kg
50-32-8	Benzo(a)pyrene	20.3	U	3.50	20.3	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	20.3	U	3.50	20.3	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	20.3	U	3.30	20.3	mg/Kg
191-24-2	Benzo(g,h,i)perylene	20.3	U	3.10	20.3	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	20.3	U	3.10	20.3	mg/Kg
123-91-1	1,4-Dioxane	20.3	U	5.40	20.3	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	20.3	U	3.30	20.3	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	67.3		18 - 112	45%	SPK: 150
13127-88-3	Phenol-d6	75.3		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.7		18 - 107	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.9		20 - 109	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	87.0		10 - 116	58%	SPK: 150
1718-51-0	Terphenyl-d14	75.2		10 - 105	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	42200		7.855		
1146-65-2	Naphthalene-d8	176000		10.646		
15067-26-2	Acenaphthene-d10	115000		14.483		
1517-22-2	Phenanthrene-d10	203000		17.238		
1719-03-5	Chrysene-d12	203000		21.474		
1520-96-3	Perylene-d12	212000		24.471		
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown14.019	31000	J		14.0	ug/Kg

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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