

Report of Analysis

Client:	PSEG	Date Collected:	09/10/25
Project:	Moorestown HQ	Date Received:	09/10/25
Client Sample ID:	MOO-25-0258	SDG No.:	Q3075
Lab Sample ID:	Q3075-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.04 Units: g	Final Vol:	1000 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		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143715.D	1	09/11/25 09:25	09/11/25 19:28	PB169649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	2.00	U	0.93	2.00	mg/Kg
108-95-2	Phenol	1.00	U	0.13	1.00	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	1.00	U	0.14	1.00	mg/Kg
95-57-8	2-Chlorophenol	1.00	U	0.15	1.00	mg/Kg
95-48-7	2-Methylphenol	1.00	U	0.18	1.00	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1.00	U	0.22	1.00	mg/Kg
98-86-2	Acetophenone	1.00	U	0.18	1.00	mg/Kg
65794-96-9	3+4-Methylphenols	2.00	U	0.24	2.00	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.48	U	0.28	0.48	mg/Kg
67-72-1	Hexachloroethane	1.00	U	0.10	1.00	mg/Kg
98-95-3	Nitrobenzene	1.00	U	0.11	1.00	mg/Kg
78-59-1	Isophorone	1.00	U	0.20	1.00	mg/Kg
88-75-5	2-Nitrophenol	1.00	U	0.35	1.00	mg/Kg
105-67-9	2,4-Dimethylphenol	1.00	U	0.39	1.00	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	0.18	1.00	mg/Kg
120-83-2	2,4-Dichlorophenol	1.00	U	0.17	1.00	mg/Kg
91-20-3	Naphthalene	3.50		0.14	1.00	mg/Kg
106-47-8	4-Chloroaniline	1.00	U	0.21	1.00	mg/Kg
87-68-3	Hexachlorobutadiene	1.00	U	0.15	1.00	mg/Kg
105-60-2	Caprolactam	2.00	U	0.31	2.00	mg/Kg
59-50-7	4-Chloro-3-methylphenol	1.00	U	0.17	1.00	mg/Kg
91-57-6	2-Methylnaphthalene	7.20		0.15	1.00	mg/Kg
77-47-4	Hexachlorocyclopentadiene	2.00	U	0.69	2.00	mg/Kg
88-06-2	2,4,6-Trichlorophenol	1.00	U	0.12	1.00	mg/Kg
95-95-4	2,4,5-Trichlorophenol	1.00	U	0.17	1.00	mg/Kg
92-52-4	1,1-Biphenyl	1.80		0.13	1.00	mg/Kg
91-58-7	2-Chloronaphthalene	1.00	U	0.13	1.00	mg/Kg
88-74-4	2-Nitroaniline	1.00	U	0.29	1.00	mg/Kg
131-11-3	Dimethylphthalate	1.00	U	0.16	1.00	mg/Kg

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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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208-96-8	Acenaphthylene	1.00	U	0.17	1.00	mg/Kg
606-20-2	2,6-Dinitrotoluene	1.00	U	0.20	1.00	mg/Kg
99-09-2	3-Nitroaniline	1.00	U	0.27	1.00	mg/Kg
83-32-9	Acenaphthene	1.00	U	0.13	1.00	mg/Kg
51-28-5	2,4-Dinitrophenol	2.00	U	1.40	2.00	mg/Kg
100-02-7	4-Nitrophenol	2.00	U	0.64	2.00	mg/Kg
132-64-9	Dibenzofuran	1.00	U	0.14	1.00	mg/Kg
121-14-2	2,4-Dinitrotoluene	1.00	U	0.30	1.00	mg/Kg
84-66-2	Diethylphthalate	1.00	U	0.17	1.00	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	1.00	U	0.16	1.00	mg/Kg
86-73-7	Fluorene	1.00	U	0.15	1.00	mg/Kg
100-01-6	4-Nitroaniline	1.00	U	0.38	1.00	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2.00	U	0.61	2.00	mg/Kg
86-30-6	n-Nitrosodiphenylamine	1.00	U	0.20	1.00	mg/Kg
101-55-3	4-Bromophenyl-phenylether	1.00	U	0.17	1.00	mg/Kg
118-74-1	Hexachlorobenzene	1.00	U	0.15	1.00	mg/Kg
1912-24-9	Atrazine	1.00	U	0.20	1.00	mg/Kg
87-86-5	Pentachlorophenol	2.00	U	0.31	2.00	mg/Kg
85-01-8	Phenanthrene	0.73	J	0.12	1.00	mg/Kg
120-12-7	Anthracene	1.00	U	0.20	1.00	mg/Kg
86-74-8	Carbazole	1.00	U	0.19	1.00	mg/Kg
84-74-2	Di-n-butylphthalate	1.00	U	0.29	1.00	mg/Kg
206-44-0	Fluoranthene	1.00	U	0.18	1.00	mg/Kg
129-00-0	Pyrene	1.00	U	0.21	1.00	mg/Kg
85-68-7	Butylbenzylphthalate	0.65	J	0.43	1.00	mg/Kg
91-94-1	3,3-Dichlorobenzidine	2.00	U	0.22	2.00	mg/Kg
56-55-3	Benzo(a)anthracene	1.00	U	0.14	1.00	mg/Kg
218-01-9	Chrysene	1.00	U	0.12	1.00	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.71	J	0.35	1.00	mg/Kg
117-84-0	Di-n-octyl phthalate	2.00	U	0.52	2.00	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.00	U	0.11	1.00	mg/Kg

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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
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207-08-9	Benzo(k)fluoranthene	1.00	U	0.13	1.00	mg/Kg
50-32-8	Benzo(a)pyrene	1.00	U	0.18	1.00	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	0.17	1.00	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.00	U	0.16	1.00	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.00	U	0.15	1.00	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1.00	U	0.15	1.00	mg/Kg
123-91-1	1,4-Dioxane	1.00	U	0.27	1.00	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1.00	U	0.16	1.00	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	70.2		18 - 112	47%	SPK: 150
13127-88-3	Phenol-d6	74.4		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.8		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.4		20 - 109	51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	65.5		10 - 116	44%	SPK: 150
1718-51-0	Terphenyl-d14	25.0		10 - 105	25%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	32500	6.892	
1146-65-2	Naphthalene-d8	113000	8.181	
15067-26-2	Acenaphthene-d10	65200	9.951	
1517-22-2	Phenanthrene-d10	90300	11.433	
1719-03-5	Chrysene-d12	89900	14.068	
1520-96-3	Perylene-d12	67100	15.545	

TENTATIVE IDENTIFIED COMPOUNDS

000526-73-8	Benzene, 1,2,3-trimethyl-	7000	J		6.72	ug/Kg
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	5700	J		7.21	ug/Kg
90-12-0	1-Methylnaphthalene	4400	J		9.00	ug/Kg
000629-78-7	Heptadecane	62000	J		10.9	ug/Kg
013187-99-0	2-Bromo dodecane	19400	J		11.1	ug/Kg
000593-45-3	Octadecane	27400	J		11.3	ug/Kg
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	13500	J		11.3	ug/Kg

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000629-94-7	Heneicosane	19600	J		11.7	ug/Kg
001560-92-5	Hexadecane, 2-methyl-	6800	J		11.8	ug/Kg
000112-39-0	Hexadecanoic acid, methyl ester	67300	J		11.8	ug/Kg
1000406-35-1	1,3-Propanediol, dodecyl ethyl eth	14200	J		12.0	ug/Kg
000112-95-8	Eicosane	18200	J		12.1	ug/Kg
002462-85-3	9,12-Octadecadienoic acid, methyl	362000	J		12.5	ug/Kg
000112-61-8	Methyl stearate	35400	J		12.6	ug/Kg
000593-49-7	Heptacosane	8400	J		12.8	ug/Kg
	unknown12.892	6700	J		12.9	ug/Kg
000638-67-5	Tricosane	5800	J		13.2	ug/Kg
	unknown14.445	5800	J		14.4	ug/Kg
1000406-31-9	Docosane, 1-iodo-	14800	J		14.8	ug/Kg
	unknown15.192	6300	J		15.2	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