284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	08/28/25
Project:	Moorestown HQ	Date Received:	08/28/25
Client Sample ID:	MOO-25-0249-0253	SDG No.:	Q2982
Lab Sample ID:	Q2982-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93
Sample Wt/Vol:	50.06 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
BG064243.D	5	08/29/25 09:15	09/02/25 13:22	PB169461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1.10	U	0.50	1.10	mg/Kg
108-95-2	Phenol	0.55	U	0.071	0.55	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.55	U	0.078	0.55	mg/Kg
95-57-8	2-Chlorophenol	0.55	U	0.079	0.55	mg/Kg
95-48-7	2-Methylphenol	0.55	U	0.096	0.55	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.55	U	0.12	0.55	mg/Kg
98-86-2	Acetophenone	0.55	U	0.095	0.55	mg/Kg
65794-96-9	3+4-Methylphenols	1.10	U	0.13	1.10	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.26	U	0.15	0.26	mg/Kg
67-72-1	Hexachloroethane	0.55	U	0.057	0.55	mg/Kg
98-95-3	Nitrobenzene	0.55	U	0.059	0.55	mg/Kg
78-59-1	Isophorone	0.55	U	0.11	0.55	mg/Kg
88-75-5	2-Nitrophenol	0.55	U	0.19	0.55	mg/Kg
105-67-9	2,4-Dimethylphenol	0.55	U	0.21	0.55	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.55	U	0.099	0.55	mg/Kg
120-83-2	2,4-Dichlorophenol	0.55	U	0.091	0.55	mg/Kg
91-20-3	Naphthalene	0.55	U	0.073	0.55	mg/Kg
106-47-8	4-Chloroaniline	0.55	U	0.11	0.55	mg/Kg
87-68-3	Hexachlorobutadiene	0.55	U	0.082	0.55	mg/Kg
105-60-2	Caprolactam	1.10	U	0.17	1.10	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.55	U	0.093	0.55	mg/Kg
91-57-6	2-Methylnaphthalene	0.55	U	0.083	0.55	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.10	U	0.37	1.10	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.55	U	0.064	0.55	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.55	U	0.094	0.55	mg/Kg
92-52-4	1,1-Biphenyl	0.55	U	0.070	0.55	mg/Kg
91-58-7	2-Chloronaphthalene	0.55	U	0.073	0.55	mg/Kg
88-74-4	2-Nitroaniline	0.55	U	0.15	0.55	mg/Kg
131-11-3	Dimethylphthalate	0.55	U	0.087	0.55	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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BG064243.D	5	08/29/25 09:15	09/02/25 13:22	PB169461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	0.55	U	0.093	0.55	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.55	U	0.11	0.55	mg/Kg
99-09-2	3-Nitroaniline	0.55	U	0.15	0.55	mg/Kg
83-32-9	Acenaphthene	0.55	U	0.069	0.55	mg/Kg
51-28-5	2,4-Dinitrophenol	1.10	U	0.74	1.10	mg/Kg
100-02-7	4-Nitrophenol	1.10	U	0.34	1.10	mg/Kg
132-64-9	Dibenzofuran	0.55	U	0.073	0.55	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.55	U	0.16	0.55	mg/Kg
84-66-2	Diethylphthalate	0.55	U	0.091	0.55	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.55	U	0.086	0.55	mg/Kg
86-73-7	Fluorene	0.55	U	0.082	0.55	mg/Kg
100-01-6	4-Nitroaniline	0.55	U	0.21	0.55	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1.10	U	0.33	1.10	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.55	U	0.11	0.55	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.55	U	0.090	0.55	mg/Kg
118-74-1	Hexachlorobenzene	0.55	U	0.082	0.55	mg/Kg
1912-24-9	Atrazine	0.55	U	0.11	0.55	mg/Kg
87-86-5	Pentachlorophenol	1.10	U	0.17	1.10	mg/Kg
85-01-8	Phenanthrene	0.55	U	0.067	0.55	mg/Kg
120-12-7	Anthracene	0.55	U	0.11	0.55	mg/Kg
86-74-8	Carbazole	0.55	U	0.10	0.55	mg/Kg
84-74-2	Di-n-butylphthalate	0.55	U	0.15	0.55	mg/Kg
206-44-0	Fluoranthene	0.55	U	0.097	0.55	mg/Kg
129-00-0	Pyrene	0.55	U	0.12	0.55	mg/Kg
85-68-7	Butylbenzylphthalate	0.55	U	0.23	0.55	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.10	U	0.12	1.10	mg/Kg
56-55-3	Benzo(a)anthracene	0.31	J	0.074	0.55	mg/Kg
218-01-9	Chrysene	0.39	J	0.064	0.55	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.55	U	0.19	0.55	mg/Kg
117-84-0	Di-n-octyl phthalate	1.10	U	0.28	1.10	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.46	J	0.061	0.55	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.55	U	0.072	0.55	mg/Kg
50-32-8	Benzo(a)pyrene	0.29	J	0.095	0.55	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.55	U	0.094	0.55	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.55	U	0.088	0.55	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.55	U	0.083	0.55	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.55	U	0.083	0.55	mg/Kg
123-91-1	1,4-Dioxane	0.55	U	0.15	0.55	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.55	U	0.088	0.55	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	84.0		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	87.7		15 - 107	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.2		18 - 107	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.7		20 - 109	67%	SPK: 100
118-79-6	2,4,6-Tribromophenol	83.0		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	66.1		10 - 105	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	45300	7.859			
1146-65-2	Naphthalene-d8	200000	10.644			
15067-26-2	Acenaphthene-d10	133000	14.481			
1517-22-2	Phenanthrene-d10	235000	17.231			
1719-03-5	Chrysene-d12	241000	21.473			
1520-96-3	Perylene-d12	296000	24.463			
TENTATIVE IDENTIFIED COMPOUNDS						
000629-62-9	Pentadecane	790	J		15.4	ug/Kg
000629-50-5	Tridecane	990	J		15.7	ug/Kg
010544-95-3	Octadecane, 4-methyl-	790	J		15.8	ug/Kg
1000309-17-7	Sulfurous acid, butyl decyl ester	340	J		16.3	ug/Kg
195194-80-0	2-Piperidinone, N-[4-bromo-n-butyl	270	J		16.3	ug/Kg
	unknown16.438	390	J		16.4	ug/Kg
000544-76-3	Hexadecane	1000	J		16.6	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown16.626	340	J		16.6	ug/Kg
026429-11-8	Heptadecane, 4-methyl-	470	J		16.7	ug/Kg
001560-93-6	Pentadecane, 2-methyl-	370	J		16.7	ug/Kg
006418-44-6	Heptadecane, 3-methyl-	580	J		16.8	ug/Kg
001560-88-9	Octadecane, 2-methyl-	2800	J		17.1	ug/Kg
074645-98-0	Dodecane, 2,7,10-trimethyl-	2100	J		17.4	ug/Kg
025117-32-2	Tetradecane, 5-methyl-	610	J		17.4	ug/Kg
017301-27-8	Undecane, 2,10-dimethyl-	1000	J		17.5	ug/Kg
001560-86-7	Nonadecane, 2-methyl-	1300	J		17.6	ug/Kg
056862-62-5	10-Methylnonadecane	3000	J		18.1	ug/Kg
000638-66-4	Octadecanal	610	J		27.5	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