

Report of Analysis

Client:	PSEG	Date Collected:	05/28/25
Project:	Moorestown	Date Received:	05/28/25
Client Sample ID:	MOO-25-0151	SDG No.:	Q2137
Lab Sample ID:	Q2137-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	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
BP024838.D	10	05/29/25 09:45	05/29/25 21:10	PB168198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	19.6	U	9.30	19.6	mg/Kg
108-95-2	Phenol	10.1	U	1.30	10.1	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	10.1	U	1.40	10.1	mg/Kg
95-57-8	2-Chlorophenol	10.1	U	1.50	10.1	mg/Kg
95-48-7	2-Methylphenol	10.1	U	1.80	10.1	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	10.1	U	2.20	10.1	mg/Kg
98-86-2	Acetophenone	10.1	U	1.80	10.1	mg/Kg
65794-96-9	3+4-Methylphenols	19.6	U	2.40	19.6	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	4.80	U	2.80	4.80	mg/Kg
67-72-1	Hexachloroethane	10.1	U	1.00	10.1	mg/Kg
98-95-3	Nitrobenzene	10.1	U	1.10	10.1	mg/Kg
78-59-1	Isophorone	10.1	U	2.00	10.1	mg/Kg
88-75-5	2-Nitrophenol	10.1	U	3.50	10.1	mg/Kg
105-67-9	2,4-Dimethylphenol	10.1	U	3.90	10.1	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	10.1	U	1.80	10.1	mg/Kg
120-83-2	2,4-Dichlorophenol	10.1	U	1.70	10.1	mg/Kg
91-20-3	Naphthalene	10.1	U	1.40	10.1	mg/Kg
106-47-8	4-Chloroaniline	10.1	U	2.10	10.1	mg/Kg
87-68-3	Hexachlorobutadiene	10.1	U	1.50	10.1	mg/Kg
105-60-2	Caprolactam	19.6	U	3.10	19.6	mg/Kg
59-50-7	4-Chloro-3-methylphenol	10.1	U	1.70	10.1	mg/Kg
91-57-6	2-Methylnaphthalene	10.1	U	1.50	10.1	mg/Kg
77-47-4	Hexachlorocyclopentadiene	19.6	U	6.90	19.6	mg/Kg
88-06-2	2,4,6-Trichlorophenol	10.1	U	1.20	10.1	mg/Kg
95-95-4	2,4,5-Trichlorophenol	10.1	U	1.70	10.1	mg/Kg
92-52-4	1,1-Biphenyl	10.1	U	1.30	10.1	mg/Kg
91-58-7	2-Chloronaphthalene	10.1	U	1.30	10.1	mg/Kg
88-74-4	2-Nitroaniline	10.1	U	2.90	10.1	mg/Kg
131-11-3	Dimethylphthalate	10.1	U	1.60	10.1	mg/Kg

Report of Analysis

Client:	PSEG	Date Collected:	05/28/25
Project:	Moorestown	Date Received:	05/28/25
Client Sample ID:	MOO-25-0151	SDG No.:	Q2137
Lab Sample ID:	Q2137-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	5.04	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
BP024838.D	10	05/29/25 09:45	05/29/25 21:10	PB168198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	10.1	U	1.70	10.1	mg/Kg
606-20-2	2,6-Dinitrotoluene	10.1	U	2.00	10.1	mg/Kg
99-09-2	3-Nitroaniline	10.1	U	2.70	10.1	mg/Kg
83-32-9	Acenaphthene	10.1	U	1.30	10.1	mg/Kg
51-28-5	2,4-Dinitrophenol	19.6	U	13.6	19.6	mg/Kg
100-02-7	4-Nitrophenol	19.6	U	6.40	19.6	mg/Kg
132-64-9	Dibenzofuran	10.1	U	1.40	10.1	mg/Kg
121-14-2	2,4-Dinitrotoluene	10.1	U	3.00	10.1	mg/Kg
84-66-2	Diethylphthalate	10.1	U	1.70	10.1	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	10.1	U	1.60	10.1	mg/Kg
86-73-7	Fluorene	10.1	U	1.50	10.1	mg/Kg
100-01-6	4-Nitroaniline	10.1	U	3.80	10.1	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19.6	U	6.10	19.6	mg/Kg
86-30-6	n-Nitrosodiphenylamine	6.40	J	2.00	10.1	mg/Kg
101-55-3	4-Bromophenyl-phenylether	10.1	U	1.70	10.1	mg/Kg
118-74-1	Hexachlorobenzene	10.1	U	1.50	10.1	mg/Kg
1912-24-9	Atrazine	10.1	U	2.00	10.1	mg/Kg
87-86-5	Pentachlorophenol	19.6	U	3.10	19.6	mg/Kg
85-01-8	Phenanthrene	10.1	U	1.20	10.1	mg/Kg
120-12-7	Anthracene	10.1	U	2.00	10.1	mg/Kg
86-74-8	Carbazole	10.1	U	1.90	10.1	mg/Kg
84-74-2	Di-n-butylphthalate	10.1	U	2.90	10.1	mg/Kg
206-44-0	Fluoranthene	10.1	U	1.80	10.1	mg/Kg
129-00-0	Pyrene	5.50	J	2.10	10.1	mg/Kg
85-68-7	Butylbenzylphthalate	10.1	U	4.30	10.1	mg/Kg
91-94-1	3,3-Dichlorobenzidine	19.6	U	2.20	19.6	mg/Kg
56-55-3	Benzo(a)anthracene	10.1	U	1.40	10.1	mg/Kg
218-01-9	Chrysene	10.1	U	1.20	10.1	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	4.80	J	3.50	10.1	mg/Kg
117-84-0	Di-n-octyl phthalate	19.6	U	5.20	19.6	mg/Kg
205-99-2	Benzo(b)fluoranthene	10.1	U	1.10	10.1	mg/Kg

Report of Analysis

Client:	PSEG	Date Collected:	05/28/25
Project:	Moorestown	Date Received:	05/28/25
Client Sample ID:	MOO-25-0151	SDG No.:	Q2137
Lab Sample ID:	Q2137-01	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
BP024838.D	10	05/29/25 09:45	05/29/25 21:10	PB168198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	10.1	U	1.30	10.1	mg/Kg
50-32-8	Benzo(a)pyrene	10.1	U	1.80	10.1	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	10.1	U	1.70	10.1	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	10.1	U	1.60	10.1	mg/Kg
191-24-2	Benzo(g,h,i)perylene	10.1	U	1.50	10.1	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	10.1	U	1.50	10.1	mg/Kg
123-91-1	1,4-Dioxane	10.1	U	2.70	10.1	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	10.1	U	1.60	10.1	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	67.3		18 - 112	45%	SPK: 150
13127-88-3	Phenol-d6	71.0		15 - 107	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	39.9		18 - 107	40%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.3		20 - 109	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	93.6		10 - 116	62%	SPK: 150
1718-51-0	Terphenyl-d14	57.2		10 - 105	57%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	158000	7.646
1146-65-2	Naphthalene-d8	645000	10.416
15067-26-2	Acenaphthene-d10	409000	14.281
1517-22-2	Phenanthrene-d10	762000	17.081
1719-03-5	Chrysene-d12	817000	21.522
1520-96-3	Perylene-d12	1150000	24.874

TENTATIVE IDENTIFIED COMPOUNDS

000110-06-5	Di-tert-butyl disulfide	212000	J	9.38	ug/Kg
005943-30-6	Disulfide, bis(1-methylpropyl)	37200	J	9.85	ug/Kg
006576-93-8	1,2,5-Trithiepane	27300	J	10.2	ug/Kg
	unknown12.075	786000	J	12.1	ug/Kg
	unknown13.322	25700	J	13.3	ug/Kg
000629-62-9	Pentadecane	31700	J	14.2	ug/Kg
	unknown15.110	266000	J	15.1	ug/Kg

Report of Analysis

Client:	PSEG	Date Collected:	05/28/25
Project:	Moorestown	Date Received:	05/28/25
Client Sample ID:	MOO-25-0151	SDG No.:	Q2137
Lab Sample ID:	Q2137-01	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
BP024838.D	10	05/29/25 09:45	05/29/25 21:10	PB168198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown16.457	24400	J		16.5	ug/Kg
	unknown17.363	36600	J		17.4	ug/Kg
000057-10-3	n-Hexadecanoic acid	27900	J		18.0	ug/Kg
000621-96-5	Benzenamine, 4,4-(1,2-ethenediyl)	106000	J		18.3	ug/Kg
002462-85-3	9,12-Octadecadienoic acid, methyl	39000	J		19.0	ug/Kg
	unknown19.192	76500	J		19.2	ug/Kg
000112-79-8	9-Octadecenoic acid, (E)-	118000	J		19.2	ug/Kg
1000370-31-3	Tert-octyldiphenylamine	180000	J		20.3	ug/Kg
1000370-31-1	4,4-Di-tert-butyl-diphenylamine	70900	J		20.4	ug/Kg
000301-02-0	9-Octadecenamide, (Z)-	43400	J		20.5	ug/Kg
	unknown20.622	27500	J		20.6	ug/Kg
003452-07-1	1-Eicosene	69600	J		22.0	ug/Kg
027538-41-6	11-Methyltricosane	260000	J		22.1	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