

Report of Analysis

Client: PSEG
Project: PSEG - Moorestown HQ
Client Sample ID: MOO-25-0311-0313
Lab Sample ID: Q3488-06
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 5.02 g Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/30/25

Date Collected: 10/29/25
Date Received: 10/29/25
SDG No.: Q3488
Matrix: SOIL
% Solid: 91.5
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	2.20	U	1	1.00	2.20	mg/Kg	10/30/25 21:54	PB170325
108-95-2	Phenol	1.10	U	1	0.14	1.10	mg/Kg	10/30/25 21:54	PB170325
111-44-4	bis(2-Chloroethyl)ether	1.10	U	1	0.16	1.10	mg/Kg	10/30/25 21:54	PB170325
95-57-8	2-Chlorophenol	1.10	U	1	0.16	1.10	mg/Kg	10/30/25 21:54	PB170325
95-48-7	2-Methylphenol	1.10	U	1	0.20	1.10	mg/Kg	10/30/25 21:54	PB170325
108-60-1	2,2-oxybis(1-Chloropropane)	1.10	U	1	0.24	1.10	mg/Kg	10/30/25 21:54	PB170325
98-86-2	Acetophenone	1.10	U	1	0.19	1.10	mg/Kg	10/30/25 21:54	PB170325
65794-96-9	3+4-Methylphenols	2.20	U	1	0.27	2.20	mg/Kg	10/30/25 21:54	PB170325
621-64-7	n-Nitroso-di-n-propylamine	0.52	U	1	0.31	0.52	mg/Kg	10/30/25 21:54	PB170325
67-72-1	Hexachloroethane	1.10	U	1	0.11	1.10	mg/Kg	10/30/25 21:54	PB170325
98-95-3	Nitrobenzene	1.10	U	1	0.12	1.10	mg/Kg	10/30/25 21:54	PB170325
78-59-1	Isophorone	1.10	U	1	0.21	1.10	mg/Kg	10/30/25 21:54	PB170325
88-75-5	2-Nitrophenol	1.10	U	1	0.38	1.10	mg/Kg	10/30/25 21:54	PB170325
105-67-9	2,4-Dimethylphenol	1.10	U	1	0.42	1.10	mg/Kg	10/30/25 21:54	PB170325
111-91-1	bis(2-Chloroethoxy)methane	1.10	U	1	0.20	1.10	mg/Kg	10/30/25 21:54	PB170325
120-83-2	2,4-Dichlorophenol	1.10	U	1	0.18	1.10	mg/Kg	10/30/25 21:54	PB170325
91-20-3	Naphthalene	1.10	U	1	0.15	1.10	mg/Kg	10/30/25 21:54	PB170325
106-47-8	4-Chloroaniline	1.10	U	1	0.23	1.10	mg/Kg	10/30/25 21:54	PB170325
87-68-3	Hexachlorobutadiene	1.10	U	1	0.17	1.10	mg/Kg	10/30/25 21:54	PB170325
105-60-2	Caprolactam	2.20	U	1	0.34	2.20	mg/Kg	10/30/25 21:54	PB170325
59-50-7	4-Chloro-3-methylphenol	1.10	U	1	0.19	1.10	mg/Kg	10/30/25 21:54	PB170325
91-57-6	2-Methylnaphthalene	1.10	U	1	0.17	1.10	mg/Kg	10/30/25 21:54	PB170325
77-47-4	Hexachlorocyclopentadiene	2.20	U	1	0.76	2.20	mg/Kg	10/30/25 21:54	PB170325
88-06-2	2,4,6-Trichlorophenol	1.10	U	1	0.13	1.10	mg/Kg	10/30/25 21:54	PB170325
95-95-4	2,4,5-Trichlorophenol	1.10	U	1	0.19	1.10	mg/Kg	10/30/25 21:54	PB170325
92-52-4	1,1-Biphenyl	1.10	U	1	0.14	1.10	mg/Kg	10/30/25 21:54	PB170325
91-58-7	2-Chloronaphthalene	1.10	U	1	0.15	1.10	mg/Kg	10/30/25 21:54	PB170325
88-74-4	2-Nitroaniline	1.10	U	1	0.31	1.10	mg/Kg	10/30/25 21:54	PB170325
131-11-3	Dimethylphthalate	1.10	U	1	0.18	1.10	mg/Kg	10/30/25 21:54	PB170325
208-96-8	Acenaphthylene	1.10	U	1	0.19	1.10	mg/Kg	10/30/25 21:54	PB170325
606-20-2	2,6-Dinitrotoluene	1.10	U	1	0.22	1.10	mg/Kg	10/30/25 21:54	PB170325
99-09-2	3-Nitroaniline	1.10	U	1	0.30	1.10	mg/Kg	10/30/25 21:54	PB170325
83-32-9	Acenaphthene	1.10	U	1	0.14	1.10	mg/Kg	10/30/25 21:54	PB170325
51-28-5	2,4-Dinitrophenol	2.20	U	1	1.50	2.20	mg/Kg	10/30/25 21:54	PB170325
100-02-7	4-Nitrophenol	2.20	U	1	0.70	2.20	mg/Kg	10/30/25 21:54	PB170325
132-64-9	Dibenzofuran	1.10	U	1	0.15	1.10	mg/Kg	10/30/25 21:54	PB170325
121-14-2	2,4-Dinitrotoluene	1.10	U	1	0.33	1.10	mg/Kg	10/30/25 21:54	PB170325
84-66-2	Diethylphthalate	1.10	U	1	0.18	1.10	mg/Kg	10/30/25 21:54	PB170325
7005-72-3	4-Chlorophenyl-phenylether	1.10	U	1	0.17	1.10	mg/Kg	10/30/25 21:54	PB170325
86-73-7	Fluorene	1.10	U	1	0.17	1.10	mg/Kg	10/30/25 21:54	PB170325
100-01-6	4-Nitroaniline	1.10	U	1	0.42	1.10	mg/Kg	10/30/25 21:54	PB170325
534-52-1	4,6-Dinitro-2-methylphenol	2.20	U	1	0.67	2.20	mg/Kg	10/30/25 21:54	PB170325

Report of Analysis

Client:	PSEG	Date Collected:	10/29/25
Project:	PSEG - Moorestown HQ	Date Received:	10/29/25
Client Sample ID:	MOO-25-0311-0313	SDG No.:	Q3488
Lab Sample ID:	Q3488-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.5
Sample Wt/Vol:	5.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C	Level :	LOW
		Final Vol:	1000 uL
		Prep Date:	10/30/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1.10	U	1	0.21	1.10	mg/Kg	10/30/25 21:54	PB170325
101-55-3	4-Bromophenyl-phenylether	1.10	U	1	0.18	1.10	mg/Kg	10/30/25 21:54	PB170325
118-74-1	Hexachlorobenzene	1.10	U	1	0.17	1.10	mg/Kg	10/30/25 21:54	PB170325
1912-24-9	Atrazine	1.10	U	1	0.22	1.10	mg/Kg	10/30/25 21:54	PB170325
87-86-5	Pentachlorophenol	2.20	U	1	0.34	2.20	mg/Kg	10/30/25 21:54	PB170325
85-01-8	Phenanthrene	1.10	U	1	0.14	1.10	mg/Kg	10/30/25 21:54	PB170325
120-12-7	Anthracene	1.10	U	1	0.22	1.10	mg/Kg	10/30/25 21:54	PB170325
86-74-8	Carbazole	1.10	U	1	0.20	1.10	mg/Kg	10/30/25 21:54	PB170325
84-74-2	Di-n-butylphthalate	1.10	U	1	0.31	1.10	mg/Kg	10/30/25 21:54	PB170325
206-44-0	Fluoranthene	1.10	U	1	0.20	1.10	mg/Kg	10/30/25 21:54	PB170325
129-00-0	Pyrene	1.10	U	1	0.24	1.10	mg/Kg	10/30/25 21:54	PB170325
85-68-7	Butylbenzylphthalate	1.10	U	1	0.47	1.10	mg/Kg	10/30/25 21:54	PB170325
91-94-1	3,3-Dichlorobenzidine	2.20	U	1	0.24	2.20	mg/Kg	10/30/25 21:54	PB170325
56-55-3	Benzo(a)anthracene	1.10	U	1	0.15	1.10	mg/Kg	10/30/25 21:54	PB170325
218-01-9	Chrysene	1.10	U	1	0.13	1.10	mg/Kg	10/30/25 21:54	PB170325
117-81-7	Bis(2-ethylhexyl)phthalate	1.10	U	1	0.39	1.10	mg/Kg	10/30/25 21:54	PB170325
117-84-0	Di-n-octyl phthalate	2.20	U	1	0.57	2.20	mg/Kg	10/30/25 21:54	PB170325
205-99-2	Benzo(b)fluoranthene	1.10	U	1	0.12	1.10	mg/Kg	10/30/25 21:54	PB170325
207-08-9	Benzo(k)fluoranthene	1.10	U	1	0.15	1.10	mg/Kg	10/30/25 21:54	PB170325
50-32-8	Benzo(a)pyrene	1.10	U	1	0.19	1.10	mg/Kg	10/30/25 21:54	PB170325
193-39-5	Indeno(1,2,3-cd)pyrene	1.10	U	1	0.19	1.10	mg/Kg	10/30/25 21:54	PB170325
53-70-3	Dibenzo(a,h)anthracene	1.10	U	1	0.18	1.10	mg/Kg	10/30/25 21:54	PB170325
191-24-2	Benzo(g,h,i)perylene	1.10	U	1	0.17	1.10	mg/Kg	10/30/25 21:54	PB170325
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1	0.17	1.10	mg/Kg	10/30/25 21:54	PB170325
123-91-1	1,4-Dioxane	1.10	U	1	0.30	1.10	mg/Kg	10/30/25 21:54	PB170325
58-90-2	2,3,4,6-Tetrachlorophenol	1.10	U	1	0.18	1.10	mg/Kg	10/30/25 21:54	PB170325

SURROGATES

367-12-4	2-Fluorophenol	52.5		18 - 112	35%	SPK: 150
13127-88-3	Phenol-d6	57.9		15 - 107	39%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.5		18 - 107	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.4		20 - 109	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.0		10 - 116	45%	SPK: 150
1718-51-0	Terphenyl-d14	42.2		10 - 105	42%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	44500
1146-65-2	Naphthalene-d8	173000
15067-26-2	Acenaphthene-d10	101000
1517-22-2	Phenanthrene-d10	192000
1719-03-5	Chrysene-d12	187000
1520-96-3	Perylene-d12	177000

Report of Analysis

Client:	PSEG	Date Collected:	10/29/25
Project:	PSEG - Moorestown HQ	Date Received:	10/29/25
Client Sample ID:	MOO-25-0311-0313	SDG No.:	Q3488
Lab Sample ID:	Q3488-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.5
Sample Wt/Vol:	5.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C		
	Prep Date: 10/30/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
------------	-----------	-------	------	----	-----	------------	-------	-----------	--------------

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