

Report of Analysis

Client:	PSEG	Date Collected:	09/24/25
Project:	Secaucus HQ	Date Received:	09/24/25
Client Sample ID:	4135	SDG No.:	Q3188
Lab Sample ID:	Q3188-01	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:	1000
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143808.D	10	09/25/25 09:25	09/25/25 17:21	PB169827

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	19.7	U	9.30	19.7	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	19.7	U	2.50	19.7	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	19.7	U	3.10	19.7	mg/Kg
59-50-7	4-Chloro-3-methylphenol	10.1	U	1.70	10.1	mg/Kg
91-57-6	2-Methylnaphthalene	6.80	J	1.50	10.1	mg/Kg
77-47-4	Hexachlorocyclopentadiene	19.7	U	6.90	19.7	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

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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	19.7	U	13.7	19.7	mg/Kg
100-02-7	4-Nitrophenol	19.7	U	6.40	19.7	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	19.7	U	6.10	19.7	mg/Kg
86-30-6	n-Nitrosodiphenylamine	10.1	U	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	19.7	U	3.10	19.7	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	9.50	J	2.90	10.1	mg/Kg
206-44-0	Fluoranthene	10.1	U	1.80	10.1	mg/Kg
129-00-0	Pyrene	10.1	U	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	19.7	U	2.20	19.7	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	51.5		3.50	10.1	mg/Kg
117-84-0	Di-n-octyl phthalate	19.7	U	5.20	19.7	mg/Kg
205-99-2	Benzo(b)fluoranthene	10.1	U	1.10	10.1	mg/Kg

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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	66.0		18 - 112	44%	SPK: 150
13127-88-3	Phenol-d6	65.6		15 - 107	44%	SPK: 150
4165-60-0	Nitrobenzene-d5	29.9		18 - 107	30%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.6		20 - 109	41%	SPK: 100
118-79-6	2,4,6-Tribromophenol	70.1		10 - 116	47%	SPK: 150
1718-51-0	Terphenyl-d14	45.1		10 - 105	45%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	81300	6.887			
1146-65-2	Naphthalene-d8	374000	8.169			
15067-26-2	Acenaphthene-d10	179000	9.939			
1517-22-2	Phenanthrene-d10	342000	11.433			
1719-03-5	Chrysene-d12	414000	14.069			
1520-96-3	Perylene-d12	560000	15.551			

TENTATIVE IDENTIFIED COMPOUNDS

000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	261000	J		8.09	ug/Kg
000112-35-6	Ethanol, 2-[2-(2-methoxyethoxy)eth	618000	J		8.29	ug/Kg
000128-39-2	Phenol, 2,6-bis(1,1-dimethylethyl)	8400	J		9.59	ug/Kg
000143-22-6	Ethanol, 2-[2-(2-butoxyethoxy)etho	701000	J		9.82	ug/Kg
001559-34-8	3,6,9,12-Tetraoxahexadecan-1-ol	997000	J		11.1	ug/Kg
001786-94-3	3,6,9,12,15-Pentaoxanonadecan-1-ol	39800	J		13.2	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