

Report of Analysis

Client:	PSEG	Date Collected:	01/31/25
Project:	Secaucus HQ	Date Received:	01/31/25
Client Sample ID:	ETGI-371	SDG No.:	Q1262
Lab Sample ID:	Q1262-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.1
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141389.D	1	02/01/25 08:54	02/04/25 00:23	PB166465

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.13	U	0.13	0.23	mg/Kg
108-95-2	Phenol	0.058	U	0.058	0.12	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.058	U	0.058	0.12	mg/Kg
95-57-8	2-Chlorophenol	0.058	U	0.058	0.12	mg/Kg
95-48-7	2-Methylphenol	0.056	U	0.056	0.12	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.063	U	0.063	0.12	mg/Kg
98-86-2	Acetophenone	0.061	U	0.061	0.12	mg/Kg
65794-96-9	3+4-Methylphenols	0.056	U	0.056	0.23	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.028	U	0.028	0.056	mg/Kg
67-72-1	Hexachloroethane	0.058	U	0.058	0.12	mg/Kg
98-95-3	Nitrobenzene	0.063	U	0.063	0.12	mg/Kg
78-59-1	Isophorone	0.059	U	0.059	0.12	mg/Kg
88-75-5	2-Nitrophenol	0.066	U	0.066	0.12	mg/Kg
105-67-9	2,4-Dimethylphenol	0.065	U	0.065	0.12	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.060	U	0.060	0.12	mg/Kg
120-83-2	2,4-Dichlorophenol	0.053	U	0.053	0.12	mg/Kg
91-20-3	Naphthalene	0.058	U	0.058	0.12	mg/Kg
106-47-8	4-Chloroaniline	0.058	U	0.058	0.12	mg/Kg
87-68-3	Hexachlorobutadiene	0.058	U	0.058	0.12	mg/Kg
105-60-2	Caprolactam	0.060	U	0.060	0.23	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.054	U	0.054	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	0.057	U	0.057	0.12	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.11	U	0.11	0.23	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.050	0.12	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.052	U	0.052	0.12	mg/Kg
92-52-4	1,1-Biphenyl	0.061	U	0.061	0.12	mg/Kg
91-58-7	2-Chloronaphthalene	0.058	U	0.058	0.12	mg/Kg
88-74-4	2-Nitroaniline	0.066	U	0.066	0.12	mg/Kg
131-11-3	Dimethylphthalate	0.057	U	0.057	0.12	mg/Kg

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		GPC Factor :	1.0
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208-96-8	Acenaphthylene	0.15		0.060	0.12	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.058	U	0.058	0.12	mg/Kg
99-09-2	3-Nitroaniline	0.062	U	0.062	0.12	mg/Kg
83-32-9	Acenaphthene	0.11	J	0.056	0.12	mg/Kg
51-28-5	2,4-Dinitrophenol	0.17	U	0.17	0.23	mg/Kg
100-02-7	4-Nitrophenol	0.081	U	0.081	0.23	mg/Kg
132-64-9	Dibenzofuran	0.11	J	0.059	0.12	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.060	U	0.060	0.12	mg/Kg
84-66-2	Diethylphthalate	0.056	U	0.056	0.12	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.060	U	0.060	0.12	mg/Kg
86-73-7	Fluorene	0.11	J	0.060	0.12	mg/Kg
100-01-6	4-Nitroaniline	0.074	U	0.074	0.12	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.081	U	0.081	0.23	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.057	U	0.057	0.12	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.055	U	0.055	0.12	mg/Kg
118-74-1	Hexachlorobenzene	0.059	U	0.059	0.12	mg/Kg
1912-24-9	Atrazine	0.064	U	0.064	0.12	mg/Kg
87-86-5	Pentachlorophenol	0.33		0.054	0.23	mg/Kg
85-01-8	Phenanthrene	1.60		0.058	0.12	mg/Kg
120-12-7	Anthracene	0.67		0.059	0.12	mg/Kg
86-74-8	Carbazole	0.44		0.056	0.12	mg/Kg
84-74-2	Di-n-butylphthalate	0.059	U	0.059	0.12	mg/Kg
206-44-0	Fluoranthene	4.40	E	0.057	0.12	mg/Kg
129-00-0	Pyrene	2.90	E	0.058	0.12	mg/Kg
85-68-7	Butylbenzylphthalate	0.067	U	0.067	0.12	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.069	U	0.069	0.23	mg/Kg
56-55-3	Benzo(a)anthracene	1.80		0.056	0.12	mg/Kg
218-01-9	Chrysene	2.50	E	0.055	0.12	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.080	J	0.063	0.12	mg/Kg
117-84-0	Di-n-octyl phthalate	0.077	U	0.077	0.23	mg/Kg
205-99-2	Benzo(b)fluoranthene	2.80	E	0.056	0.12	mg/Kg

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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 :	

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207-08-9	Benzo(k)fluoranthene	1.40		0.058	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	1.30		0.065	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.66		0.054	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.21		0.057	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.66		0.056	0.12	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.060	U	0.060	0.12	mg/Kg
123-91-1	1,4-Dioxane	0.077	U	0.077	0.12	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.052	U	0.052	0.12	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	81.3		18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	76.9		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.4		18 - 107	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.4		20 - 109	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.8		10 - 116	51%	SPK: 150
1718-51-0	Terphenyl-d14	44.3		10 - 105	44%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	81600	6.793
1146-65-2	Naphthalene-d8	320000	8.075
15067-26-2	Acenaphthene-d10	154000	9.828
1517-22-2	Phenanthrene-d10	207000	11.316
1719-03-5	Chrysene-d12	169000	13.969
1520-96-3	Perylene-d12	144000	15.415

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	110	J	10.5	ug/Kg
000057-10-3	n-Hexadecanoic acid	110	J	11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	120	J	11.9	ug/Kg
000084-65-1	9,10-Anthracenedione	180	J	12.1	ug/Kg
000081-84-5	Naphthalic anhydride	93.9	J	12.4	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	98.3	J	12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	80.9	J	13.0	ug/Kg

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000243-17-4	11H-Benzo[b]fluorene	130	J		13.1	ug/Kg
003442-78-2	Pyrene, 2-methyl-	99.0	J		13.2	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	100	J		13.6	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	100	J		13.7	ug/Kg
	unknown13.763	150	J		13.8	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	86.5	J		13.8	ug/Kg
1000396-75-6	cyclopent[hi]aceanthrylene-2,7-dio	62.2	J		14.4	ug/Kg
050861-05-7	9H-Cyclopenta[a]pyrene	70.5	J		14.5	ug/Kg
	unknown14.763	210	J		14.8	ug/Kg
000192-97-2	Benzo[e]pyrene	230	J		15.1	ug/Kg
000198-55-0	Perylene	1400	J		15.3	ug/Kg
	unknown16.521	370	J		16.5	ug/Kg
1000128-76-0	N-Methylyohimbane	440	J		16.9	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