

Report of Analysis

Client:	PSEG	Date Collected:	12/01/25
Project:	PSEG- EAST ORANGE GAS	Date Received:	12/01/25
Client Sample ID:	FENCE WC-2	SDG No.:	Q3750
Lab Sample ID:	Q3750-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.5
Sample Wt/Vol:	50.04 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/02/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.23	U	1	0.11	0.23	mg/Kg	12/02/25 19:18	PB170788
108-95-2	Phenol	0.12	U	1	0.015	0.12	mg/Kg	12/02/25 19:18	PB170788
111-44-4	bis(2-Chloroethyl)ether	0.12	U	1	0.017	0.12	mg/Kg	12/02/25 19:18	PB170788
95-57-8	2-Chlorophenol	0.12	U	1	0.017	0.12	mg/Kg	12/02/25 19:18	PB170788
95-48-7	2-Methylphenol	0.12	U	1	0.021	0.12	mg/Kg	12/02/25 19:18	PB170788
108-60-1	2,2-oxybis(1-Chloropropane)	0.12	U	1	0.026	0.12	mg/Kg	12/02/25 19:18	PB170788
98-86-2	Acetophenone	0.12	U	1	0.020	0.12	mg/Kg	12/02/25 19:18	PB170788
65794-96-9	3+4-Methylphenols	0.23	U	1	0.029	0.23	mg/Kg	12/02/25 19:18	PB170788
621-64-7	n-Nitroso-di-n-propylamine	0.055	U	1	0.033	0.055	mg/Kg	12/02/25 19:18	PB170788
67-72-1	Hexachloroethane	0.12	U	1	0.012	0.12	mg/Kg	12/02/25 19:18	PB170788
98-95-3	Nitrobenzene	0.12	U	1	0.013	0.12	mg/Kg	12/02/25 19:18	PB170788
78-59-1	Isophorone	0.12	U	1	0.023	0.12	mg/Kg	12/02/25 19:18	PB170788
88-75-5	2-Nitrophenol	0.12	U	1	0.040	0.12	mg/Kg	12/02/25 19:18	PB170788
105-67-9	2,4-Dimethylphenol	0.12	U	1	0.045	0.12	mg/Kg	12/02/25 19:18	PB170788
111-91-1	bis(2-Chloroethoxy)methane	0.12	U	1	0.021	0.12	mg/Kg	12/02/25 19:18	PB170788
120-83-2	2,4-Dichlorophenol	0.12	U	1	0.020	0.12	mg/Kg	12/02/25 19:18	PB170788
91-20-3	Naphthalene	0.12	U	1	0.016	0.12	mg/Kg	12/02/25 19:18	PB170788
106-47-8	4-Chloroaniline	0.12	U	1	0.025	0.12	mg/Kg	12/02/25 19:18	PB170788
87-68-3	Hexachlorobutadiene	0.12	U	1	0.018	0.12	mg/Kg	12/02/25 19:18	PB170788
105-60-2	Caprolactam	0.23	U	1	0.036	0.23	mg/Kg	12/02/25 19:18	PB170788
59-50-7	4-Chloro-3-methylphenol	0.12	U	1	0.020	0.12	mg/Kg	12/02/25 19:18	PB170788
91-57-6	2-Methylnaphthalene	0.12	U	1	0.018	0.12	mg/Kg	12/02/25 19:18	PB170788
77-47-4	Hexachlorocyclopentadiene	0.23	U	1	0.080	0.23	mg/Kg	12/02/25 19:18	PB170788
88-06-2	2,4,6-Trichlorophenol	0.12	U	1	0.014	0.12	mg/Kg	12/02/25 19:18	PB170788
95-95-4	2,4,5-Trichlorophenol	0.12	U	1	0.020	0.12	mg/Kg	12/02/25 19:18	PB170788
92-52-4	1,1-Biphenyl	0.12	U	1	0.015	0.12	mg/Kg	12/02/25 19:18	PB170788
91-58-7	2-Chloronaphthalene	0.12	U	1	0.016	0.12	mg/Kg	12/02/25 19:18	PB170788
88-74-4	2-Nitroaniline	0.12	U	1	0.033	0.12	mg/Kg	12/02/25 19:18	PB170788
131-11-3	Dimethylphthalate	0.12	U	1	0.019	0.12	mg/Kg	12/02/25 19:18	PB170788
208-96-8	Acenaphthylene	0.12	U	1	0.020	0.12	mg/Kg	12/02/25 19:18	PB170788
606-20-2	2,6-Dinitrotoluene	0.12	U	1	0.023	0.12	mg/Kg	12/02/25 19:18	PB170788
99-09-2	3-Nitroaniline	0.12	U	1	0.032	0.12	mg/Kg	12/02/25 19:18	PB170788
83-32-9	Acenaphthene	0.12	U	1	0.015	0.12	mg/Kg	12/02/25 19:18	PB170788
51-28-5	2,4-Dinitrophenol	0.23	U	1	0.16	0.23	mg/Kg	12/02/25 19:18	PB170788
100-02-7	4-Nitrophenol	0.23	U	1	0.074	0.23	mg/Kg	12/02/25 19:18	PB170788
132-64-9	Dibenzofuran	0.12	U	1	0.016	0.12	mg/Kg	12/02/25 19:18	PB170788
121-14-2	2,4-Dinitrotoluene	0.12	U	1	0.035	0.12	mg/Kg	12/02/25 19:18	PB170788
84-66-2	Diethylphthalate	0.12	U	1	0.020	0.12	mg/Kg	12/02/25 19:18	PB170788
7005-72-3	4-Chlorophenyl-phenylether	0.12	U	1	0.019	0.12	mg/Kg	12/02/25 19:18	PB170788
86-73-7	Fluorene	0.12	U	1	0.018	0.12	mg/Kg	12/02/25 19:18	PB170788
100-01-6	4-Nitroaniline	0.12	U	1	0.045	0.12	mg/Kg	12/02/25 19:18	PB170788
534-52-1	4,6-Dinitro-2-methylphenol	0.23	U	1	0.071	0.23	mg/Kg	12/02/25 19:18	PB170788

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Lab Sample ID:	Q3750-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.5
Sample Wt/Vol:	50.04 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/02/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.12	U	1	0.023	0.12	mg/Kg	12/02/25 19:18	PB170788
101-55-3	4-Bromophenyl-phenylether	0.12	U	1	0.019	0.12	mg/Kg	12/02/25 19:18	PB170788
118-74-1	Hexachlorobenzene	0.12	U	1	0.018	0.12	mg/Kg	12/02/25 19:18	PB170788
1912-24-9	Atrazine	0.12	U	1	0.024	0.12	mg/Kg	12/02/25 19:18	PB170788
87-86-5	Pentachlorophenol	0.23	U	1	0.036	0.23	mg/Kg	12/02/25 19:18	PB170788
85-01-8	Phenanthrene	0.33		1	0.015	0.12	mg/Kg	12/02/25 19:18	PB170788
120-12-7	Anthracene	0.058	J	1	0.023	0.12	mg/Kg	12/02/25 19:18	PB170788
86-74-8	Carbazole	0.12	U	1	0.022	0.12	mg/Kg	12/02/25 19:18	PB170788
84-74-2	Di-n-butylphthalate	0.12	U	1	0.033	0.12	mg/Kg	12/02/25 19:18	PB170788
206-44-0	Fluoranthene	0.72		1	0.021	0.12	mg/Kg	12/02/25 19:18	PB170788
129-00-0	Pyrene	0.49		1	0.025	0.12	mg/Kg	12/02/25 19:18	PB170788
85-68-7	Butylbenzylphthalate	0.12	U	1	0.050	0.12	mg/Kg	12/02/25 19:18	PB170788
91-94-1	3,3-Dichlorobenzidine	0.23	U	1	0.025	0.23	mg/Kg	12/02/25 19:18	PB170788
56-55-3	Benzo(a)anthracene	0.32		1	0.016	0.12	mg/Kg	12/02/25 19:18	PB170788
218-01-9	Chrysene	0.32		1	0.014	0.12	mg/Kg	12/02/25 19:18	PB170788
117-81-7	Bis(2-ethylhexyl)phthalate	0.12	U	1	0.041	0.12	mg/Kg	12/02/25 19:18	PB170788
117-84-0	Di-n-octyl phthalate	0.23	U	1	0.060	0.23	mg/Kg	12/02/25 19:18	PB170788
205-99-2	Benzo(b)fluoranthene	0.45		1	0.013	0.12	mg/Kg	12/02/25 19:18	PB170788
207-08-9	Benzo(k)fluoranthene	0.14		1	0.016	0.12	mg/Kg	12/02/25 19:18	PB170788
50-32-8	Benzo(a)pyrene	0.30		1	0.020	0.12	mg/Kg	12/02/25 19:18	PB170788
193-39-5	Indeno(1,2,3-cd)pyrene	0.12		1	0.020	0.12	mg/Kg	12/02/25 19:18	PB170788
53-70-3	Dibenzo(a,h)anthracene	0.12	U	1	0.019	0.12	mg/Kg	12/02/25 19:18	PB170788
191-24-2	Benzo(g,h,i)perylene	0.15		1	0.018	0.12	mg/Kg	12/02/25 19:18	PB170788
95-94-3	1,2,4,5-Tetrachlorobenzene	0.12	U	1	0.018	0.12	mg/Kg	12/02/25 19:18	PB170788
123-91-1	1,4-Dioxane	0.12	U	1	0.031	0.12	mg/Kg	12/02/25 19:18	PB170788
58-90-2	2,3,4,6-Tetrachlorophenol	0.12	U	1	0.019	0.12	mg/Kg	12/02/25 19:18	PB170788

SURROGATES

367-12-4	2-Fluorophenol	72.0		10 - 105	48%	SPK: 150
13127-88-3	Phenol-d6	65.0		10 - 103	43%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.9		10 - 108	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.2		10 - 108	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	72.5		10 - 116	48%	SPK: 150
1718-51-0	Terphenyl-d14	41.5		10 - 109	42%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	35100
1146-65-2	Naphthalene-d8	117000
15067-26-2	Acenaphthene-d10	59800
1517-22-2	Phenanthrene-d10	116000
1719-03-5	Chrysene-d12	118000
1520-96-3	Perylene-d12	95900

TENTATIVE IDENTIFIED COMPOUNDS

000464-48-2	Bicyclo[2.2.1]heptan-2-one, 1,7,7-	300	J	7.89	ug/Kg
000119-61-9	Benzophenone	130	J	10.6	ug/Kg

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Lab Sample ID:	Q3750-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.5
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	50.04 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 12/02/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
002531-84-2	Phenanthrene, 2-methyl-	420	J			11.9	ug/Kg		
000142-91-6	Isopropyl palmitate	69.8	J			12.2	ug/Kg		
000084-65-1	9,10-Anthracenedione	65.4	J			12.2	ug/Kg		
003674-66-6	Phenanthrene, 2,5-dimethyl-	100	J			12.4	ug/Kg		
000057-11-4	Octadecanoic acid	52.0	J			12.7	ug/Kg		
000243-17-4	11H-Benzo[b]fluorene	55.9	J			13.1	ug/Kg		
003442-78-2	Pyrene, 2-methyl-	76.2	J			13.2	ug/Kg		
002381-21-7	Pyrene, 1-methyl-	61.9	J			13.3	ug/Kg		
000192-97-2	Benzo[e]pyrene	150	J			15.4	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