

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-1DL	SDG No.:	Q3750
Lab Sample ID:	Q3750-01DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	50.06 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	1.10	UD	5	0.54	1.10	mg/Kg	12/03/25 16:35	PB170788
108-95-2	Phenol	0.59	UD	5	0.076	0.59	mg/Kg	12/03/25 16:35	PB170788
111-44-4	bis(2-Chloroethyl)ether	0.59	UD	5	0.084	0.59	mg/Kg	12/03/25 16:35	PB170788
95-57-8	2-Chlorophenol	0.59	UD	5	0.084	0.59	mg/Kg	12/03/25 16:35	PB170788
95-48-7	2-Methylphenol	0.59	UD	5	0.10	0.59	mg/Kg	12/03/25 16:35	PB170788
108-60-1	2,2-oxybis(1-Chloropropane)	0.59	UD	5	0.13	0.59	mg/Kg	12/03/25 16:35	PB170788
98-86-2	Acetophenone	0.59	UD	5	0.10	0.59	mg/Kg	12/03/25 16:35	PB170788
65794-96-9	3+4-Methylphenols	1.10	UD	5	0.14	1.10	mg/Kg	12/03/25 16:35	PB170788
621-64-7	n-Nitroso-di-n-propylamine	0.28	UD	5	0.16	0.28	mg/Kg	12/03/25 16:35	PB170788
67-72-1	Hexachloroethane	0.59	UD	5	0.061	0.59	mg/Kg	12/03/25 16:35	PB170788
98-95-3	Nitrobenzene	0.59	UD	5	0.063	0.59	mg/Kg	12/03/25 16:35	PB170788
78-59-1	Isophorone	0.59	UD	5	0.11	0.59	mg/Kg	12/03/25 16:35	PB170788
88-75-5	2-Nitrophenol	0.59	UD	5	0.20	0.59	mg/Kg	12/03/25 16:35	PB170788
105-67-9	2,4-Dimethylphenol	0.59	UD	5	0.22	0.59	mg/Kg	12/03/25 16:35	PB170788
111-91-1	bis(2-Chloroethoxy)methane	0.59	UD	5	0.11	0.59	mg/Kg	12/03/25 16:35	PB170788
120-83-2	2,4-Dichlorophenol	0.59	UD	5	0.098	0.59	mg/Kg	12/03/25 16:35	PB170788
91-20-3	Naphthalene	0.59	UD	5	0.078	0.59	mg/Kg	12/03/25 16:35	PB170788
106-47-8	4-Chloroaniline	0.59	UD	5	0.12	0.59	mg/Kg	12/03/25 16:35	PB170788
87-68-3	Hexachlorobutadiene	0.59	UD	5	0.087	0.59	mg/Kg	12/03/25 16:35	PB170788
105-60-2	Caprolactam	1.10	UD	5	0.18	1.10	mg/Kg	12/03/25 16:35	PB170788
59-50-7	4-Chloro-3-methylphenol	0.59	UD	5	0.099	0.59	mg/Kg	12/03/25 16:35	PB170788
91-57-6	2-Methylnaphthalene	0.59	UD	5	0.088	0.59	mg/Kg	12/03/25 16:35	PB170788
77-47-4	Hexachlorocyclopentadiene	1.10	UD	5	0.40	1.10	mg/Kg	12/03/25 16:35	PB170788
88-06-2	2,4,6-Trichlorophenol	0.59	UD	5	0.068	0.59	mg/Kg	12/03/25 16:35	PB170788
95-95-4	2,4,5-Trichlorophenol	0.59	UD	5	0.10	0.59	mg/Kg	12/03/25 16:35	PB170788
92-52-4	1,1-Biphenyl	0.59	UD	5	0.075	0.59	mg/Kg	12/03/25 16:35	PB170788
91-58-7	2-Chloronaphthalene	0.59	UD	5	0.078	0.59	mg/Kg	12/03/25 16:35	PB170788
88-74-4	2-Nitroaniline	0.59	UD	5	0.17	0.59	mg/Kg	12/03/25 16:35	PB170788
131-11-3	Dimethylphthalate	0.59	UD	5	0.094	0.59	mg/Kg	12/03/25 16:35	PB170788
208-96-8	Acenaphthylene	0.59	UD	5	0.100	0.59	mg/Kg	12/03/25 16:35	PB170788
606-20-2	2,6-Dinitrotoluene	0.59	UD	5	0.12	0.59	mg/Kg	12/03/25 16:35	PB170788
99-09-2	3-Nitroaniline	0.59	UD	5	0.16	0.59	mg/Kg	12/03/25 16:35	PB170788
83-32-9	Acenaphthene	0.59	UD	5	0.074	0.59	mg/Kg	12/03/25 16:35	PB170788
51-28-5	2,4-Dinitrophenol	1.10	UD	5	0.79	1.10	mg/Kg	12/03/25 16:35	PB170788
100-02-7	4-Nitrophenol	1.10	UD	5	0.37	1.10	mg/Kg	12/03/25 16:35	PB170788
132-64-9	Dibenzofuran	0.59	UD	5	0.078	0.59	mg/Kg	12/03/25 16:35	PB170788
121-14-2	2,4-Dinitrotoluene	0.59	UD	5	0.17	0.59	mg/Kg	12/03/25 16:35	PB170788
84-66-2	Diethylphthalate	0.59	UD	5	0.098	0.59	mg/Kg	12/03/25 16:35	PB170788
7005-72-3	4-Chlorophenyl-phenylether	0.59	UD	5	0.092	0.59	mg/Kg	12/03/25 16:35	PB170788
86-73-7	Fluorene	0.59	UD	5	0.087	0.59	mg/Kg	12/03/25 16:35	PB170788
100-01-6	4-Nitroaniline	0.59	UD	5	0.22	0.59	mg/Kg	12/03/25 16:35	PB170788
534-52-1	4,6-Dinitro-2-methylphenol	1.10	UD	5	0.36	1.10	mg/Kg	12/03/25 16:35	PB170788

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Lab Sample ID:	Q3750-01DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	50.06 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	0.59	UD	5	0.11	0.59	mg/Kg	12/03/25 16:35	PB170788
101-55-3	4-Bromophenyl-phenylether	0.59	UD	5	0.096	0.59	mg/Kg	12/03/25 16:35	PB170788
118-74-1	Hexachlorobenzene	0.59	UD	5	0.087	0.59	mg/Kg	12/03/25 16:35	PB170788
1912-24-9	Atrazine	0.59	UD	5	0.12	0.59	mg/Kg	12/03/25 16:35	PB170788
87-86-5	Pentachlorophenol	1.10	UD	5	0.18	1.10	mg/Kg	12/03/25 16:35	PB170788
85-01-8	Phenanthrene	1.90	D	5	0.072	0.59	mg/Kg	12/03/25 16:35	PB170788
120-12-7	Anthracene	0.52	JD	5	0.11	0.59	mg/Kg	12/03/25 16:35	PB170788
86-74-8	Carbazole	0.59	UD	5	0.11	0.59	mg/Kg	12/03/25 16:35	PB170788
84-74-2	Di-n-butylphthalate	0.59	UD	5	0.17	0.59	mg/Kg	12/03/25 16:35	PB170788
206-44-0	Fluoranthene	4.70	D	5	0.10	0.59	mg/Kg	12/03/25 16:35	PB170788
129-00-0	Pyrene	3.00	D	5	0.12	0.59	mg/Kg	12/03/25 16:35	PB170788
85-68-7	Butylbenzylphthalate	0.59	UD	5	0.25	0.59	mg/Kg	12/03/25 16:35	PB170788
91-94-1	3,3-Dichlorobenzidine	1.10	UD	5	0.13	1.10	mg/Kg	12/03/25 16:35	PB170788
56-55-3	Benzo(a)anthracene	2.40	D	5	0.079	0.59	mg/Kg	12/03/25 16:35	PB170788
218-01-9	Chrysene	2.30	D	5	0.069	0.59	mg/Kg	12/03/25 16:35	PB170788
117-81-7	Bis(2-ethylhexyl)phthalate	0.59	UD	5	0.20	0.59	mg/Kg	12/03/25 16:35	PB170788
117-84-0	Di-n-octyl phthalate	1.10	UD	5	0.30	1.10	mg/Kg	12/03/25 16:35	PB170788
205-99-2	Benzo(b)fluoranthene	2.80	D	5	0.066	0.59	mg/Kg	12/03/25 16:35	PB170788
207-08-9	Benzo(k)fluoranthene	0.89	D	5	0.077	0.59	mg/Kg	12/03/25 16:35	PB170788
50-32-8	Benzo(a)pyrene	2.20	D	5	0.10	0.59	mg/Kg	12/03/25 16:35	PB170788
193-39-5	Indeno(1,2,3-cd)pyrene	0.68	D	5	0.10	0.59	mg/Kg	12/03/25 16:35	PB170788
53-70-3	Dibenzo(a,h)anthracene	0.27	JD	5	0.095	0.59	mg/Kg	12/03/25 16:35	PB170788
191-24-2	Benzo(g,h,i)perylene	0.83	D	5	0.089	0.59	mg/Kg	12/03/25 16:35	PB170788
95-94-3	1,2,4,5-Tetrachlorobenzene	0.59	UD	5	0.088	0.59	mg/Kg	12/03/25 16:35	PB170788
123-91-1	1,4-Dioxane	0.59	UD	5	0.16	0.59	mg/Kg	12/03/25 16:35	PB170788
58-90-2	2,3,4,6-Tetrachlorophenol	0.59	UD	5	0.095	0.59	mg/Kg	12/03/25 16:35	PB170788

SURROGATES

367-12-4	2-Fluorophenol	62.4		10 - 105	42%	SPK: 150
13127-88-3	Phenol-d6	59.2		10 - 103	39%	SPK: 150
4165-60-0	Nitrobenzene-d5	41.5		10 - 108	41%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.1		10 - 108	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	56.0		10 - 116	37%	SPK: 150
1718-51-0	Terphenyl-d14	34.6		10 - 109	35%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	43500
1146-65-2	Naphthalene-d8	150000
15067-26-2	Acenaphthene-d10	73300
1517-22-2	Phenanthrene-d10	121000
1719-03-5	Chrysene-d12	129000
1520-96-3	Perylene-d12	140000

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	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
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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