

Report of Analysis

Client:	PSEG	Date Collected:	11/07/25
Project:	PSEG Roseland Switching Station	Date Received:	11/07/25
Client Sample ID:	RT4912	SDG No.:	Q3582
Lab Sample ID:	Q3582-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	50.05 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.56	U	5	0.56	1.20	mg/Kg	11/12/25 02:52	PB170478
108-95-2	Phenol	0.080	U	5	0.080	0.61	mg/Kg	11/12/25 02:52	PB170478
111-44-4	bis(2-Chloroethyl)ether	0.088	U	5	0.088	0.61	mg/Kg	11/12/25 02:52	PB170478
95-57-8	2-Chlorophenol	0.088	U	5	0.088	0.61	mg/Kg	11/12/25 02:52	PB170478
95-48-7	2-Methylphenol	0.11	U	5	0.11	0.61	mg/Kg	11/12/25 02:52	PB170478
108-60-1	2,2-oxybis(1-Chloropropane)	0.14	U	5	0.14	0.61	mg/Kg	11/12/25 02:52	PB170478
98-86-2	Acetophenone	0.11	U	5	0.11	0.61	mg/Kg	11/12/25 02:52	PB170478
65794-96-9	3+4-Methylphenols	0.15	U	5	0.15	1.20	mg/Kg	11/12/25 02:52	PB170478
621-64-7	n-Nitroso-di-n-propylamine	0.17	U	5	0.17	0.29	mg/Kg	11/12/25 02:52	PB170478
67-72-1	Hexachloroethane	0.064	U	5	0.064	0.61	mg/Kg	11/12/25 02:52	PB170478
98-95-3	Nitrobenzene	0.066	U	5	0.066	0.61	mg/Kg	11/12/25 02:52	PB170478
78-59-1	Isophorone	0.12	U	5	0.12	0.61	mg/Kg	11/12/25 02:52	PB170478
88-75-5	2-Nitrophenol	0.21	U	5	0.21	0.61	mg/Kg	11/12/25 02:52	PB170478
105-67-9	2,4-Dimethylphenol	0.23	U	5	0.23	0.61	mg/Kg	11/12/25 02:52	PB170478
111-91-1	bis(2-Chloroethoxy)methane	0.11	U	5	0.11	0.61	mg/Kg	11/12/25 02:52	PB170478
120-83-2	2,4-Dichlorophenol	0.10	U	5	0.10	0.61	mg/Kg	11/12/25 02:52	PB170478
91-20-3	Naphthalene	0.082	U	5	0.082	0.61	mg/Kg	11/12/25 02:52	PB170478
106-47-8	4-Chloroaniline	0.13	U	5	0.13	0.61	mg/Kg	11/12/25 02:52	PB170478
87-68-3	Hexachlorobutadiene	0.091	U	5	0.091	0.61	mg/Kg	11/12/25 02:52	PB170478
105-60-2	Caprolactam	0.19	U	5	0.19	1.20	mg/Kg	11/12/25 02:52	PB170478
59-50-7	4-Chloro-3-methylphenol	0.10	U	5	0.10	0.61	mg/Kg	11/12/25 02:52	PB170478
91-57-6	2-Methylnaphthalene	0.092	U	5	0.092	0.61	mg/Kg	11/12/25 02:52	PB170478
77-47-4	Hexachlorocyclopentadiene	0.42	U	5	0.42	1.20	mg/Kg	11/12/25 02:52	PB170478
88-06-2	2,4,6-Trichlorophenol	0.071	U	5	0.071	0.61	mg/Kg	11/12/25 02:52	PB170478
95-95-4	2,4,5-Trichlorophenol	0.10	U	5	0.10	0.61	mg/Kg	11/12/25 02:52	PB170478
92-52-4	1,1-Biphenyl	0.079	U	5	0.079	0.61	mg/Kg	11/12/25 02:52	PB170478
91-58-7	2-Chloronaphthalene	0.081	U	5	0.081	0.61	mg/Kg	11/12/25 02:52	PB170478
88-74-4	2-Nitroaniline	0.17	U	5	0.17	0.61	mg/Kg	11/12/25 02:52	PB170478
131-11-3	Dimethylphthalate	0.098	U	5	0.098	0.61	mg/Kg	11/12/25 02:52	PB170478
208-96-8	Acenaphthylene	0.10	U	5	0.10	0.61	mg/Kg	11/12/25 02:52	PB170478
606-20-2	2,6-Dinitrotoluene	0.12	U	5	0.12	0.61	mg/Kg	11/12/25 02:52	PB170478
99-09-2	3-Nitroaniline	0.17	U	5	0.17	0.61	mg/Kg	11/12/25 02:52	PB170478
83-32-9	Acenaphthene	0.077	U	5	0.077	0.61	mg/Kg	11/12/25 02:52	PB170478
51-28-5	2,4-Dinitrophenol	0.83	U	5	0.83	1.20	mg/Kg	11/12/25 02:52	PB170478
100-02-7	4-Nitrophenol	0.39	U	5	0.39	1.20	mg/Kg	11/12/25 02:52	PB170478
132-64-9	Dibenzofuran	0.082	U	5	0.082	0.61	mg/Kg	11/12/25 02:52	PB170478
121-14-2	2,4-Dinitrotoluene	0.18	U	5	0.18	0.61	mg/Kg	11/12/25 02:52	PB170478
84-66-2	Diethylphthalate	0.10	U	5	0.10	0.61	mg/Kg	11/12/25 02:52	PB170478
7005-72-3	4-Chlorophenyl-phenylether	0.096	U	5	0.096	0.61	mg/Kg	11/12/25 02:52	PB170478
86-73-7	Fluorene	0.091	U	5	0.091	0.61	mg/Kg	11/12/25 02:52	PB170478
100-01-6	4-Nitroaniline	0.23	U	5	0.23	0.61	mg/Kg	11/12/25 02:52	PB170478
534-52-1	4,6-Dinitro-2-methylphenol	0.37	U	5	0.37	1.20	mg/Kg	11/12/25 02:52	PB170478

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Project:	PSEG Roseland Switching Station	Date Received:	11/07/25
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Lab Sample ID:	Q3582-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	50.05 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.12	U	5	0.12	0.61	mg/Kg	11/12/25 02:52	PB170478
101-55-3	4-Bromophenyl-phenylether	0.10	U	5	0.10	0.61	mg/Kg	11/12/25 02:52	PB170478
118-74-1	Hexachlorobenzene	0.091	U	5	0.091	0.61	mg/Kg	11/12/25 02:52	PB170478
1912-24-9	Atrazine	0.12	U	5	0.12	0.61	mg/Kg	11/12/25 02:52	PB170478
87-86-5	Pentachlorophenol	0.19	U	5	0.19	1.20	mg/Kg	11/12/25 02:52	PB170478
85-01-8	Phenanthrene	0.075	U	5	0.075	0.61	mg/Kg	11/12/25 02:52	PB170478
120-12-7	Anthracene	0.12	U	5	0.12	0.61	mg/Kg	11/12/25 02:52	PB170478
86-74-8	Carbazole	0.11	U	5	0.11	0.61	mg/Kg	11/12/25 02:52	PB170478
84-74-2	Di-n-butylphthalate	0.17	U	5	0.17	0.61	mg/Kg	11/12/25 02:52	PB170478
206-44-0	Fluoranthene	2.20		5	0.11	0.61	mg/Kg	11/12/25 02:52	PB170478
129-00-0	Pyrene	0.13	U	5	0.13	0.61	mg/Kg	11/12/25 02:52	PB170478
85-68-7	Butylbenzylphthalate	0.26	U	5	0.26	0.61	mg/Kg	11/12/25 02:52	PB170478
91-94-1	3,3-Dichlorobenzidine	0.13	U	5	0.13	1.20	mg/Kg	11/12/25 02:52	PB170478
56-55-3	Benzo(a)anthracene	0.72		5	0.083	0.61	mg/Kg	11/12/25 02:52	PB170478
218-01-9	Chrysene	1.00		5	0.072	0.61	mg/Kg	11/12/25 02:52	PB170478
117-81-7	Bis(2-ethylhexyl)phthalate	0.64		5	0.21	0.61	mg/Kg	11/12/25 02:52	PB170478
117-84-0	Di-n-octyl phthalate	0.31	U	5	0.31	1.20	mg/Kg	11/12/25 02:52	PB170478
205-99-2	Benzo(b)fluoranthene	1.10		5	0.069	0.61	mg/Kg	11/12/25 02:52	PB170478
207-08-9	Benzo(k)fluoranthene	0.50	J	5	0.081	0.61	mg/Kg	11/12/25 02:52	PB170478
50-32-8	Benzo(a)pyrene	0.76		5	0.11	0.61	mg/Kg	11/12/25 02:52	PB170478
193-39-5	Indeno(1,2,3-cd)pyrene	0.30	J	5	0.10	0.61	mg/Kg	11/12/25 02:52	PB170478
53-70-3	Dibenzo(a,h)anthracene	0.099	U	5	0.099	0.61	mg/Kg	11/12/25 02:52	PB170478
191-24-2	Benzo(g,h,i)perylene	0.41	J	5	0.093	0.61	mg/Kg	11/12/25 02:52	PB170478
95-94-3	1,2,4,5-Tetrachlorobenzene	0.092	U	5	0.092	0.61	mg/Kg	11/12/25 02:52	PB170478
123-91-1	1,4-Dioxane	0.16	U	5	0.16	0.61	mg/Kg	11/12/25 02:52	PB170478
58-90-2	2,3,4,6-Tetrachlorophenol	0.099	U	5	0.099	0.61	mg/Kg	11/12/25 02:52	PB170478

SURROGATES

367-12-4	2-Fluorophenol	73.9		10 - 105	49%	SPK: 150
13127-88-3	Phenol-d6	82.9		10 - 103	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.5		10 - 108	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.9		10 - 108	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	109		10 - 116	72%	SPK: 150
1718-51-0	Terphenyl-d14	45.3		10 - 109	45%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	63500
1146-65-2	Naphthalene-d8	221000
15067-26-2	Acenaphthene-d10	75900
1517-22-2	Phenanthrene-d10	104000
1719-03-5	Chrysene-d12	182000
1520-96-3	Perylene-d12	174000

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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