

Report of Analysis

Client: PSEG
Project: PSEG Tonnel Ave Substation
Client Sample ID: COMPOSITE-STONE
Lab Sample ID: Q3678-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 50.08 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 11/20/25

Date Collected: 11/19/25
Date Received: 11/19/25
SDG No.: Q3678
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.20	U	1	0.094	0.20	mg/Kg	11/20/25 15:57	PB170652
108-95-2	Phenol	0.10	U	1	0.013	0.10	mg/Kg	11/20/25 15:57	PB170652
111-44-4	bis(2-Chloroethyl)ether	0.10	U	1	0.015	0.10	mg/Kg	11/20/25 15:57	PB170652
95-57-8	2-Chlorophenol	0.10	U	1	0.015	0.10	mg/Kg	11/20/25 15:57	PB170652
95-48-7	2-Methylphenol	0.10	U	1	0.018	0.10	mg/Kg	11/20/25 15:57	PB170652
108-60-1	2,2-oxybis(1-Chloropropane)	0.10	U	1	0.023	0.10	mg/Kg	11/20/25 15:57	PB170652
98-86-2	Acetophenone	0.10	U	1	0.018	0.10	mg/Kg	11/20/25 15:57	PB170652
65794-96-9	3+4-Methylphenols	0.20	U	1	0.025	0.20	mg/Kg	11/20/25 15:57	PB170652
621-64-7	n-Nitroso-di-n-propylamine	0.048	U	1	0.028	0.048	mg/Kg	11/20/25 15:57	PB170652
67-72-1	Hexachloroethane	0.10	U	1	0.011	0.10	mg/Kg	11/20/25 15:57	PB170652
98-95-3	Nitrobenzene	0.10	U	1	0.011	0.10	mg/Kg	11/20/25 15:57	PB170652
78-59-1	Isophorone	0.10	U	1	0.020	0.10	mg/Kg	11/20/25 15:57	PB170652
88-75-5	2-Nitrophenol	0.10	U	1	0.035	0.10	mg/Kg	11/20/25 15:57	PB170652
105-67-9	2,4-Dimethylphenol	0.10	U	1	0.039	0.10	mg/Kg	11/20/25 15:57	PB170652
111-91-1	bis(2-Chloroethoxy)methane	0.10	U	1	0.019	0.10	mg/Kg	11/20/25 15:57	PB170652
120-83-2	2,4-Dichlorophenol	0.10	U	1	0.017	0.10	mg/Kg	11/20/25 15:57	PB170652
91-20-3	Naphthalene	0.10	U	1	0.014	0.10	mg/Kg	11/20/25 15:57	PB170652
106-47-8	4-Chloroaniline	0.10	U	1	0.021	0.10	mg/Kg	11/20/25 15:57	PB170652
87-68-3	Hexachlorobutadiene	0.10	U	1	0.015	0.10	mg/Kg	11/20/25 15:57	PB170652
105-60-2	Caprolactam	0.20	U	1	0.031	0.20	mg/Kg	11/20/25 15:57	PB170652
59-50-7	4-Chloro-3-methylphenol	0.10	U	1	0.017	0.10	mg/Kg	11/20/25 15:57	PB170652
91-57-6	2-Methylnaphthalene	0.10	U	1	0.015	0.10	mg/Kg	11/20/25 15:57	PB170652
77-47-4	Hexachlorocyclopentadiene	0.20	U	1	0.070	0.20	mg/Kg	11/20/25 15:57	PB170652
88-06-2	2,4,6-Trichlorophenol	0.10	U	1	0.012	0.10	mg/Kg	11/20/25 15:57	PB170652
95-95-4	2,4,5-Trichlorophenol	0.10	U	1	0.017	0.10	mg/Kg	11/20/25 15:57	PB170652
92-52-4	1,1-Biphenyl	0.10	U	1	0.013	0.10	mg/Kg	11/20/25 15:57	PB170652
91-58-7	2-Chloronaphthalene	0.10	U	1	0.014	0.10	mg/Kg	11/20/25 15:57	PB170652
88-74-4	2-Nitroaniline	0.10	U	1	0.029	0.10	mg/Kg	11/20/25 15:57	PB170652
131-11-3	Dimethylphthalate	0.10	U	1	0.016	0.10	mg/Kg	11/20/25 15:57	PB170652
208-96-8	Acenaphthylene	0.10	U	1	0.017	0.10	mg/Kg	11/20/25 15:57	PB170652
606-20-2	2,6-Dinitrotoluene	0.10	U	1	0.020	0.10	mg/Kg	11/20/25 15:57	PB170652
99-09-2	3-Nitroaniline	0.10	U	1	0.028	0.10	mg/Kg	11/20/25 15:57	PB170652
83-32-9	Acenaphthene	0.10	U	1	0.013	0.10	mg/Kg	11/20/25 15:57	PB170652
51-28-5	2,4-Dinitrophenol	0.20	U	1	0.14	0.20	mg/Kg	11/20/25 15:57	PB170652
100-02-7	4-Nitrophenol	0.20	U	1	0.064	0.20	mg/Kg	11/20/25 15:57	PB170652
132-64-9	Dibenzofuran	0.10	U	1	0.014	0.10	mg/Kg	11/20/25 15:57	PB170652
121-14-2	2,4-Dinitrotoluene	0.10	U	1	0.030	0.10	mg/Kg	11/20/25 15:57	PB170652
84-66-2	Diethylphthalate	0.10	U	1	0.017	0.10	mg/Kg	11/20/25 15:57	PB170652
7005-72-3	4-Chlorophenyl-phenylether	0.10	U	1	0.016	0.10	mg/Kg	11/20/25 15:57	PB170652
86-73-7	Fluorene	0.10	U	1	0.015	0.10	mg/Kg	11/20/25 15:57	PB170652
100-01-6	4-Nitroaniline	0.10	U	1	0.039	0.10	mg/Kg	11/20/25 15:57	PB170652
534-52-1	4,6-Dinitro-2-methylphenol	0.20	U	1	0.062	0.20	mg/Kg	11/20/25 15:57	PB170652

Report of Analysis

Client:	PSEG	Date Collected:	11/19/25
Project:	PSEG Tonnelles Ave Substation	Date Received:	11/19/25
Client Sample ID:	COMPOSITE-STONE	SDG No.:	Q3678
Lab Sample ID:	Q3678-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	50.08 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 11/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.10	U	1	0.020	0.10	mg/Kg	11/20/25 15:57	PB170652
101-55-3	4-Bromophenyl-phenylether	0.10	U	1	0.017	0.10	mg/Kg	11/20/25 15:57	PB170652
118-74-1	Hexachlorobenzene	0.10	U	1	0.015	0.10	mg/Kg	11/20/25 15:57	PB170652
1912-24-9	Atrazine	0.10	U	1	0.020	0.10	mg/Kg	11/20/25 15:57	PB170652
87-86-5	Pentachlorophenol	0.20	U	1	0.031	0.20	mg/Kg	11/20/25 15:57	PB170652
85-01-8	Phenanthrene	0.10	U	1	0.013	0.10	mg/Kg	11/20/25 15:57	PB170652
120-12-7	Anthracene	0.10	U	1	0.020	0.10	mg/Kg	11/20/25 15:57	PB170652
86-74-8	Carbazole	0.10	U	1	0.019	0.10	mg/Kg	11/20/25 15:57	PB170652
84-74-2	Di-n-butylphthalate	0.10	U	1	0.029	0.10	mg/Kg	11/20/25 15:57	PB170652
206-44-0	Fluoranthene	0.10	U	1	0.018	0.10	mg/Kg	11/20/25 15:57	PB170652
129-00-0	Pyrene	0.10	U	1	0.022	0.10	mg/Kg	11/20/25 15:57	PB170652
85-68-7	Butylbenzylphthalate	0.10	U	1	0.043	0.10	mg/Kg	11/20/25 15:57	PB170652
91-94-1	3,3-Dichlorobenzidine	0.20	U	1	0.022	0.20	mg/Kg	11/20/25 15:57	PB170652
56-55-3	Benzo(a)anthracene	0.10	U	1	0.014	0.10	mg/Kg	11/20/25 15:57	PB170652
218-01-9	Chrysene	0.10	U	1	0.012	0.10	mg/Kg	11/20/25 15:57	PB170652
117-81-7	Bis(2-ethylhexyl)phthalate	0.10	U	1	0.036	0.10	mg/Kg	11/20/25 15:57	PB170652
117-84-0	Di-n-octyl phthalate	0.20	U	1	0.052	0.20	mg/Kg	11/20/25 15:57	PB170652
205-99-2	Benzo(b)fluoranthene	0.10	U	1	0.011	0.10	mg/Kg	11/20/25 15:57	PB170652
207-08-9	Benzo(k)fluoranthene	0.10	U	1	0.013	0.10	mg/Kg	11/20/25 15:57	PB170652
50-32-8	Benzo(a)pyrene	0.10	U	1	0.018	0.10	mg/Kg	11/20/25 15:57	PB170652
193-39-5	Indeno(1,2,3-cd)pyrene	0.10	U	1	0.017	0.10	mg/Kg	11/20/25 15:57	PB170652
53-70-3	Dibenzo(a,h)anthracene	0.10	U	1	0.016	0.10	mg/Kg	11/20/25 15:57	PB170652
191-24-2	Benzo(g,h,i)perylene	0.10	U	1	0.015	0.10	mg/Kg	11/20/25 15:57	PB170652
95-94-3	1,2,4,5-Tetrachlorobenzene	0.10	U	1	0.015	0.10	mg/Kg	11/20/25 15:57	PB170652
123-91-1	1,4-Dioxane	0.10	U	1	0.027	0.10	mg/Kg	11/20/25 15:57	PB170652
58-90-2	2,3,4,6-Tetrachlorophenol	0.10	U	1	0.016	0.10	mg/Kg	11/20/25 15:57	PB170652

SURROGATES

367-12-4	2-Fluorophenol	74.8		10 - 105	50%	SPK: 150
13127-88-3	Phenol-d6	72.5		10 - 103	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.6		10 - 108	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.6		10 - 108	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	66.7		10 - 116	44%	SPK: 150
1718-51-0	Terphenyl-d14	49.3		10 - 109	49%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	316000
1146-65-2	Naphthalene-d8	1200000
15067-26-2	Acenaphthene-d10	686000
1517-22-2	Phenanthrene-d10	1250000
1719-03-5	Chrysene-d12	1330000
1520-96-3	Perylene-d12	1630000

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Lab Sample ID:	Q3678-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	50.08 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/20/25		

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