

Report of Analysis

Client:	PSEG	Date Collected:	08/22/25
Project:	North Ave Substation	Date Received:	08/22/25
Client Sample ID:	235	SDG No.:	Q2947
Lab Sample ID:	Q2947-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	98
Sample Wt/Vol:	50.06	Units:	g
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 :	
		GPC Cleanup :	N

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025592.D	1	08/25/25 08:55	08/26/25 19:22	PB169370

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.095	U	0.095	0.20	mg/Kg
108-95-2	Phenol	0.014	U	0.014	0.10	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.015	U	0.015	0.10	mg/Kg
95-57-8	2-Chlorophenol	0.015	U	0.015	0.10	mg/Kg
95-48-7	2-Methylphenol	0.018	U	0.018	0.10	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.023	U	0.023	0.10	mg/Kg
98-86-2	Acetophenone	0.018	U	0.018	0.10	mg/Kg
65794-96-9	3+4-Methylphenols	0.025	U	0.025	0.20	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.029	U	0.029	0.049	mg/Kg
67-72-1	Hexachloroethane	0.011	U	0.011	0.10	mg/Kg
98-95-3	Nitrobenzene	0.011	U	0.011	0.10	mg/Kg
78-59-1	Isophorone	0.020	U	0.020	0.10	mg/Kg
88-75-5	2-Nitrophenol	0.036	U	0.036	0.10	mg/Kg
105-67-9	2,4-Dimethylphenol	0.040	U	0.040	0.10	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.019	U	0.019	0.10	mg/Kg
120-83-2	2,4-Dichlorophenol	0.017	U	0.017	0.10	mg/Kg
91-20-3	Naphthalene	0.014	U	0.014	0.10	mg/Kg
106-47-8	4-Chloroaniline	0.022	U	0.022	0.10	mg/Kg
87-68-3	Hexachlorobutadiene	0.016	U	0.016	0.10	mg/Kg
105-60-2	Caprolactam	0.032	U	0.032	0.20	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.018	U	0.018	0.10	mg/Kg
91-57-6	2-Methylnaphthalene	0.016	U	0.016	0.10	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.071	U	0.071	0.20	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.012	U	0.012	0.10	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.018	U	0.018	0.10	mg/Kg
92-52-4	1,1-Biphenyl	0.013	U	0.013	0.10	mg/Kg
91-58-7	2-Chloronaphthalene	0.014	U	0.014	0.10	mg/Kg
88-74-4	2-Nitroaniline	0.029	U	0.029	0.10	mg/Kg
131-11-3	Dimethylphthalate	0.017	U	0.017	0.10	mg/Kg

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208-96-8	Acenaphthylene	0.018	U	0.018	0.10	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.021	U	0.021	0.10	mg/Kg
99-09-2	3-Nitroaniline	0.028	U	0.028	0.10	mg/Kg
83-32-9	Acenaphthene	0.013	U	0.013	0.10	mg/Kg
51-28-5	2,4-Dinitrophenol	0.14	U	0.14	0.20	mg/Kg
100-02-7	4-Nitrophenol	0.065	U	0.065	0.20	mg/Kg
132-64-9	Dibenzofuran	0.014	U	0.014	0.10	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.031	U	0.031	0.10	mg/Kg
84-66-2	Diethylphthalate	0.017	U	0.017	0.10	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.016	U	0.016	0.10	mg/Kg
86-73-7	Fluorene	0.016	U	0.016	0.10	mg/Kg
100-01-6	4-Nitroaniline	0.039	U	0.039	0.10	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.063	U	0.063	0.20	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.020	U	0.020	0.10	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.017	U	0.017	0.10	mg/Kg
118-74-1	Hexachlorobenzene	0.016	U	0.016	0.10	mg/Kg
1912-24-9	Atrazine	0.021	U	0.021	0.10	mg/Kg
87-86-5	Pentachlorophenol	0.031	U	0.031	0.20	mg/Kg
85-01-8	Phenanthrene	0.072	J	0.013	0.10	mg/Kg
120-12-7	Anthracene	0.020	U	0.020	0.10	mg/Kg
86-74-8	Carbazole	0.019	U	0.019	0.10	mg/Kg
84-74-2	Di-n-butylphthalate	0.029	U	0.029	0.10	mg/Kg
206-44-0	Fluoranthene	0.14		0.018	0.10	mg/Kg
129-00-0	Pyrene	0.15		0.022	0.10	mg/Kg
85-68-7	Butylbenzylphthalate	0.044	U	0.044	0.10	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.022	U	0.022	0.20	mg/Kg
56-55-3	Benzo(a)anthracene	0.076	J	0.014	0.10	mg/Kg
218-01-9	Chrysene	0.11		0.012	0.10	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.13		0.036	0.10	mg/Kg
117-84-0	Di-n-octyl phthalate	0.053	U	0.053	0.20	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.15		0.012	0.10	mg/Kg

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	Decanted :	Level :	LOW
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207-08-9	Benzo(k)fluoranthene	0.046	J	0.014	0.10	mg/Kg
50-32-8	Benzo(a)pyrene	0.090	J	0.018	0.10	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.074	J	0.018	0.10	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.017	U	0.017	0.10	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.11		0.016	0.10	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.016	U	0.016	0.10	mg/Kg
123-91-1	1,4-Dioxane	0.028	U	0.028	0.10	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.017	U	0.017	0.10	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	78.8		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	79.5		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.4		18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.6		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.5		10 - 116	53%	SPK: 150
1718-51-0	Terphenyl-d14	48.5		10 - 105	48%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	254000	7.778
1146-65-2	Naphthalene-d8	1010000	10.549
15067-26-2	Acenaphthene-d10	633000	14.39
1517-22-2	Phenanthrene-d10	962000	17.195
1719-03-5	Chrysene-d12	1130000	21.666
1520-96-3	Perylene-d12	1410000	25.054

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	420	J	3.03	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	A	4.94	ug/Kg
000334-49-6	trans-2-Decenoic acid	67.3	J	13.2	ug/Kg
054832-83-6	1H-Indene, octahydro-2,2,4,4,7,7-h	58.5	J	13.8	ug/Kg
000121-00-6	3-tert-Butyl-4-hydroxyanisole	65.8	J	13.9	ug/Kg
000719-22-2	2,5-Cyclohexadiene-1,4-dione, 2,6-	110	J	14.0	ug/Kg
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	93.8	J	14.1	ug/Kg

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005956-09-2	2H-3,9a-Methano-1-benzoxepin, octa	45.0	J		14.2	ug/Kg
	unknown14.219	110	J		14.2	ug/Kg
	unknown15.060	55.2	J		15.1	ug/Kg
211563-96-1	Cyclohexene, 1,5,5-trimethyl-6-ace	200	J		15.2	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