

Report of Analysis

Client:	PSEG	Date Collected:	05/16/25
Project:	Plank Road Substation	Date Received:	05/16/25
Client Sample ID:	VACTRUCK-728068	SDG No.:	Q2065
Lab Sample ID:	Q2065-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024717.D	1	05/19/25 08:42	05/20/25 21:23	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10.1	U	3.90	10.1	ug/L
108-95-2	Phenol	5.10	U	0.92	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	5.10	U	0.82	5.10	ug/L
95-57-8	2-Chlorophenol	5.10	U	0.59	5.10	ug/L
95-48-7	2-Methylphenol	5.10	U	1.10	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5.10	U	1.30	5.10	ug/L
98-86-2	Acetophenone	4.80	J	0.75	5.10	ug/L
65794-96-9	3+4-Methylphenols	10.1	U	1.10	10.1	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	5.10	U	0.66	5.10	ug/L
98-95-3	Nitrobenzene	5.10	U	0.77	5.10	ug/L
78-59-1	Isophorone	5.10	U	0.76	5.10	ug/L
88-75-5	2-Nitrophenol	5.10	U	1.80	5.10	ug/L
105-67-9	2,4-Dimethylphenol	3.60	J	1.90	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5.10	U	0.69	5.10	ug/L
120-83-2	2,4-Dichlorophenol	5.10	U	0.53	5.10	ug/L
91-20-3	Naphthalene	5.10	U	0.51	5.10	ug/L
106-47-8	4-Chloroaniline	5.10	U	0.85	5.10	ug/L
87-68-3	Hexachlorobutadiene	5.10	U	0.55	5.10	ug/L
105-60-2	Caprolactam	10.1	U	1.10	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	5.10	U	0.60	5.10	ug/L
91-57-6	2-Methylnaphthalene	4.10	J	0.57	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	10.1	U	3.70	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	0.52	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	5.10	U	0.63	5.10	ug/L
92-52-4	1,1-Biphenyl	5.10	U	0.54	5.10	ug/L
91-58-7	2-Chloronaphthalene	5.10	U	0.62	5.10	ug/L
88-74-4	2-Nitroaniline	5.10	U	1.30	5.10	ug/L
131-11-3	Dimethylphthalate	5.10	U	0.62	5.10	ug/L

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208-96-8	Acenaphthylene	5.10	U	0.76	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	5.10	U	0.93	5.10	ug/L
99-09-2	3-Nitroaniline	5.10	U	1.10	5.10	ug/L
83-32-9	Acenaphthene	5.10	U	0.56	5.10	ug/L
51-28-5	2,4-Dinitrophenol	10.1	U	6.00	10.1	ug/L
100-02-7	4-Nitrophenol	10.1	U	2.40	10.1	ug/L
132-64-9	Dibenzofuran	5.10	U	0.62	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	5.10	U	1.20	5.10	ug/L
84-66-2	Diethylphthalate	5.10	U	0.70	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5.10	U	0.69	5.10	ug/L
86-73-7	Fluorene	5.10	U	0.64	5.10	ug/L
100-01-6	4-Nitroaniline	5.10	U	1.50	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10.1	U	2.90	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	5.10	U	0.59	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	5.10	U	0.40	5.10	ug/L
118-74-1	Hexachlorobenzene	5.10	U	0.53	5.10	ug/L
1912-24-9	Atrazine	5.10	U	1.00	5.10	ug/L
87-86-5	Pentachlorophenol	10.1	U	1.60	10.1	ug/L
85-01-8	Phenanthrene	5.10	U	0.51	5.10	ug/L
120-12-7	Anthracene	5.10	U	0.62	5.10	ug/L
86-74-8	Carbazole	5.10	U	0.73	5.10	ug/L
84-74-2	Di-n-butylphthalate	5.10	U	1.20	5.10	ug/L
206-44-0	Fluoranthene	5.10	U	0.83	5.10	ug/L
129-00-0	Pyrene	5.10	U	0.51	5.10	ug/L
85-68-7	Butylbenzylphthalate	5.10	U	1.90	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	10.1	U	0.94	10.1	ug/L
56-55-3	Benzo(a)anthracene	5.10	U	0.45	5.10	ug/L
218-01-9	Chrysene	5.10	U	0.44	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5.10	U	1.60	5.10	ug/L
117-84-0	Di-n-octyl phthalate	10.1	U	2.40	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	5.10	U	0.49	5.10	ug/L

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207-08-9	Benzo(k)fluoranthene	5.10	U	0.48	5.10	ug/L
50-32-8	Benzo(a)pyrene	5.10	U	0.56	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.10	U	0.60	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.10	U	0.68	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	5.10	U	0.70	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5.10	U	0.53	5.10	ug/L
123-91-1	1,4-Dioxane	5.10	U	1.00	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5.10	U	0.73	5.10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	66.8		10 - 139	45%	SPK: 150
13127-88-3	Phenol-d6	39.6		10 - 134	26%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.3		49 - 133	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.0		52 - 132	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		44 - 137	103%	SPK: 150
1718-51-0	Terphenyl-d14	77.5		48 - 125	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	124000		7.652		
1146-65-2	Naphthalene-d8	487000		10.422		
15067-26-2	Acenaphthene-d10	353000		14.287		
1517-22-2	Phenanthrene-d10	702000		17.086		
1719-03-5	Chrysene-d12	734000		21.504		
1520-96-3	Perylene-d12	909000		24.78		
TENTATIVE IDENTIFIED COMPOUNDS						
000622-96-8	Benzene, 1-ethyl-4-methyl-	8.20	J		7.05	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	16.4	J		7.76	ug/L
000496-11-7	Indane	8.60	J		8.02	ug/L
067061-30-7	3,3-Dimethylheptanoic acid	49.0	J		9.39	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	10.9	J		9.83	ug/L
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	11.3	J		10.1	ug/L
004331-54-8	Cyclohexanecarboxylic acid, 4-meth	86.0	J		10.2	ug/L

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000099-89-8	p-Cumenol	21.7	J		10.8	ug/L
000770-35-4	1-Phenoxypropan-2-ol	12.7	J		11.2	ug/L
	unknown11.451	8.70	J		11.5	ug/L
000098-54-4	Phenol, p-tert-butyl-	20.9	J		11.8	ug/L
001123-85-9	Benzeneethanol, .beta.-methyl-	19.0	J		12.2	ug/L
90-12-0	1-Methylnaphthalene	5.60	J		12.3	ug/L
	unknown13.116	30.9	J		13.1	ug/L
000119-61-9	Benzophenone	9.20	J		15.7	ug/L
003884-95-5	Phenol, 2-(1,1,3,3-tetramethylbuty	13.3	J		15.7	ug/L
	unknown16.798	10.3	J		16.8	ug/L
004534-52-5	Benzene, (1-ethylundecyl)-	12.2	J		17.5	ug/L
004536-88-3	Benzene, (1-methyldecyl)-	23.6	J		17.8	ug/L
	unknown18.022	9.50	J		18.0	ug/L
004534-59-2	Benzene, (1-methyltridecyl)-	13.2	J		18.5	ug/L

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