

Report of Analysis

Client:	PSEG	Date Collected:	06/25/25
Project:	Bergen Point Substation	Date Received:	06/25/25
Client Sample ID:	72-11933DL2	SDG No.:	Q2420
Lab Sample ID:	Q2420-01DL2	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.9
Sample Wt/Vol:	50.03 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142895.D	50	06/26/25 09:20	06/27/25 16:13	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	10.5	UD	5.00	10.5	mg/Kg
108-95-2	Phenol	5.40	UD	0.71	5.40	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	5.40	UD	0.78	5.40	mg/Kg
95-57-8	2-Chlorophenol	5.40	UD	0.78	5.40	mg/Kg
95-48-7	2-Methylphenol	5.40	UD	0.95	5.40	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	5.40	UD	1.20	5.40	mg/Kg
98-86-2	Acetophenone	5.40	UD	0.94	5.40	mg/Kg
65794-96-9	3+4-Methylphenols	10.5	UD	1.30	10.5	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	2.60	UD	1.50	2.60	mg/Kg
67-72-1	Hexachloroethane	5.40	UD	0.56	5.40	mg/Kg
98-95-3	Nitrobenzene	5.40	UD	0.58	5.40	mg/Kg
78-59-1	Isophorone	5.40	UD	1.00	5.40	mg/Kg
88-75-5	2-Nitrophenol	5.40	UD	1.90	5.40	mg/Kg
105-67-9	2,4-Dimethylphenol	5.40	UD	2.10	5.40	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	5.40	UD	0.98	5.40	mg/Kg
120-83-2	2,4-Dichlorophenol	5.40	UD	0.90	5.40	mg/Kg
91-20-3	Naphthalene	5.40	UD	0.72	5.40	mg/Kg
106-47-8	4-Chloroaniline	5.40	UD	1.10	5.40	mg/Kg
87-68-3	Hexachlorobutadiene	5.40	UD	0.81	5.40	mg/Kg
105-60-2	Caprolactam	10.5	UD	1.70	10.5	mg/Kg
59-50-7	4-Chloro-3-methylphenol	5.40	UD	0.92	5.40	mg/Kg
91-57-6	2-Methylnaphthalene	5.40	UD	0.82	5.40	mg/Kg
77-47-4	Hexachlorocyclopentadiene	10.5	UD	3.70	10.5	mg/Kg
88-06-2	2,4,6-Trichlorophenol	5.40	UD	0.63	5.40	mg/Kg
95-95-4	2,4,5-Trichlorophenol	5.40	UD	0.93	5.40	mg/Kg
92-52-4	1,1-Biphenyl	5.40	UD	0.70	5.40	mg/Kg
91-58-7	2-Chloronaphthalene	5.40	UD	0.72	5.40	mg/Kg
88-74-4	2-Nitroaniline	5.40	UD	1.50	5.40	mg/Kg
131-11-3	Dimethylphthalate	5.40	UD	0.87	5.40	mg/Kg

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208-96-8	Acenaphthylene	5.40	UD	0.92	5.40	mg/Kg
606-20-2	2,6-Dinitrotoluene	5.40	UD	1.10	5.40	mg/Kg
99-09-2	3-Nitroaniline	5.40	UD	1.50	5.40	mg/Kg
83-32-9	Acenaphthene	4.30	JD	0.68	5.40	mg/Kg
51-28-5	2,4-Dinitrophenol	10.5	UD	7.30	10.5	mg/Kg
100-02-7	4-Nitrophenol	10.5	UD	3.40	10.5	mg/Kg
132-64-9	Dibenzofuran	5.40	UD	0.72	5.40	mg/Kg
121-14-2	2,4-Dinitrotoluene	5.40	UD	1.60	5.40	mg/Kg
84-66-2	Diethylphthalate	5.40	UD	0.90	5.40	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	5.40	UD	0.85	5.40	mg/Kg
86-73-7	Fluorene	3.10	JD	0.81	5.40	mg/Kg
100-01-6	4-Nitroaniline	5.40	UD	2.00	5.40	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	10.5	UD	3.30	10.5	mg/Kg
86-30-6	n-Nitrosodiphenylamine	5.40	UD	1.10	5.40	mg/Kg
101-55-3	4-Bromophenyl-phenylether	5.40	UD	0.89	5.40	mg/Kg
118-74-1	Hexachlorobenzene	5.40	UD	0.81	5.40	mg/Kg
1912-24-9	Atrazine	5.40	UD	1.10	5.40	mg/Kg
87-86-5	Pentachlorophenol	10.5	UD	1.60	10.5	mg/Kg
85-01-8	Phenanthrene	16.7	D	0.67	5.40	mg/Kg
120-12-7	Anthracene	2.60	JD	1.10	5.40	mg/Kg
86-74-8	Carbazole	5.40	UD	1.00	5.40	mg/Kg
84-74-2	Di-n-butylphthalate	5.40	UD	1.50	5.40	mg/Kg
206-44-0	Fluoranthene	45.8	D	0.96	5.40	mg/Kg
129-00-0	Pyrene	16.9	D	1.10	5.40	mg/Kg
85-68-7	Butylbenzylphthalate	5.40	UD	2.30	5.40	mg/Kg
91-94-1	3,3-Dichlorobenzidine	10.5	UD	1.20	10.5	mg/Kg
56-55-3	Benzo(a)anthracene	7.30	D	0.73	5.40	mg/Kg
218-01-9	Chrysene	6.30	D	0.64	5.40	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	5.40	UD	1.90	5.40	mg/Kg
117-84-0	Di-n-octyl phthalate	10.5	UD	2.80	10.5	mg/Kg
205-99-2	Benzo(b)fluoranthene	5.50	D	0.61	5.40	mg/Kg

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207-08-9	Benzo(k)fluoranthene	5.40	UD	0.72	5.40	mg/Kg
50-32-8	Benzo(a)pyrene	2.50	JD	0.94	5.40	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	5.40	UD	0.93	5.40	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	5.40	UD	0.87	5.40	mg/Kg
191-24-2	Benzo(g,h,i)perylene	5.40	UD	0.82	5.40	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	5.40	UD	0.82	5.40	mg/Kg
123-91-1	1,4-Dioxane	5.40	UD	1.40	5.40	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	5.40	UD	0.87	5.40	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	66.5		18 - 112	44%	SPK: 150
13127-88-3	Phenol-d6	69.0		15 - 107	46%	SPK: 150
4165-60-0	Nitrobenzene-d5	39.8		18 - 107	40%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.5		20 - 109	58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	60.5		10 - 116	40%	SPK: 150
1718-51-0	Terphenyl-d14	40.8		10 - 105	41%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	55900	6.875
1146-65-2	Naphthalene-d8	195000	8.163
15067-26-2	Acenaphthene-d10	90500	9.916
1517-22-2	Phenanthrene-d10	146000	11.41
1719-03-5	Chrysene-d12	148000	14.057
1520-96-3	Perylene-d12	104000	15.551

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