

Report of Analysis

Client:	PSEG	Date Collected:	04/09/25
Project:	NYE Avenue Substation	Date Received:	04/09/25
Client Sample ID:	TP-15DL	SDG No.:	Q1760
Lab Sample ID:	Q1760-05DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.9
Sample Wt/Vol:	50.02 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
BM049918.D	5	04/10/25 08:55	04/14/25 17:48	PB167544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1.10	UD	0.53	1.10	mg/Kg
108-95-2	Phenol	0.57	UD	0.075	0.57	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.57	UD	0.082	0.57	mg/Kg
95-57-8	2-Chlorophenol	0.57	UD	0.082	0.57	mg/Kg
95-48-7	2-Methylphenol	0.57	UD	0.10	0.57	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.57	UD	0.13	0.57	mg/Kg
98-86-2	Acetophenone	0.57	UD	0.100	0.57	mg/Kg
65794-96-9	3+4-Methylphenols	1.10	UD	0.14	1.10	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.27	UD	0.16	0.27	mg/Kg
67-72-1	Hexachloroethane	0.57	UD	0.059	0.57	mg/Kg
98-95-3	Nitrobenzene	0.57	UD	0.062	0.57	mg/Kg
78-59-1	Isophorone	0.57	UD	0.11	0.57	mg/Kg
88-75-5	2-Nitrophenol	0.57	UD	0.20	0.57	mg/Kg
105-67-9	2,4-Dimethylphenol	0.57	UD	0.22	0.57	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.57	UD	0.10	0.57	mg/Kg
120-83-2	2,4-Dichlorophenol	0.57	UD	0.096	0.57	mg/Kg
91-20-3	Naphthalene	2.50	D	0.077	0.57	mg/Kg
106-47-8	4-Chloroaniline	0.57	UD	0.12	0.57	mg/Kg
87-68-3	Hexachlorobutadiene	0.57	UD	0.085	0.57	mg/Kg
105-60-2	Caprolactam	1.10	UD	0.18	1.10	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.57	UD	0.097	0.57	mg/Kg
91-57-6	2-Methylnaphthalene	3.00	D	0.086	0.57	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.10	UD	0.39	1.10	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.57	UD	0.067	0.57	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.57	UD	0.098	0.57	mg/Kg
92-52-4	1,1-Biphenyl	0.57	UD	0.074	0.57	mg/Kg
91-58-7	2-Chloronaphthalene	0.57	UD	0.076	0.57	mg/Kg
88-74-4	2-Nitroaniline	0.57	UD	0.16	0.57	mg/Kg
131-11-3	Dimethylphthalate	0.57	UD	0.091	0.57	mg/Kg

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208-96-8	Acenaphthylene	0.57	UD	0.098	0.57	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.57	UD	0.11	0.57	mg/Kg
99-09-2	3-Nitroaniline	0.57	UD	0.16	0.57	mg/Kg
83-32-9	Acenaphthene	0.57	UD	0.072	0.57	mg/Kg
51-28-5	2,4-Dinitrophenol	1.10	UD	0.77	1.10	mg/Kg
100-02-7	4-Nitrophenol	1.10	UD	0.36	1.10	mg/Kg
132-64-9	Dibenzofuran	0.57	UD	0.077	0.57	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.57	UD	0.17	0.57	mg/Kg
84-66-2	Diethylphthalate	0.57	UD	0.096	0.57	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.57	UD	0.090	0.57	mg/Kg
86-73-7	Fluorene	0.57	UD	0.085	0.57	mg/Kg
100-01-6	4-Nitroaniline	0.57	UD	0.22	0.57	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1.10	UD	0.35	1.10	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.57	UD	0.11	0.57	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.57	UD	0.094	0.57	mg/Kg
118-74-1	Hexachlorobenzene	0.57	UD	0.085	0.57	mg/Kg
1912-24-9	Atrazine	0.57	UD	0.11	0.57	mg/Kg
87-86-5	Pentachlorophenol	1.10	UD	0.17	1.10	mg/Kg
85-01-8	Phenanthrene	0.57	UD	0.071	0.57	mg/Kg
120-12-7	Anthracene	0.57	UD	0.11	0.57	mg/Kg
86-74-8	Carbazole	0.57	UD	0.11	0.57	mg/Kg
84-74-2	Di-n-butylphthalate	0.57	UD	0.16	0.57	mg/Kg
206-44-0	Fluoranthene	0.57	UD	0.10	0.57	mg/Kg
129-00-0	Pyrene	0.57	UD	0.12	0.57	mg/Kg
85-68-7	Butylbenzylphthalate	0.57	UD	0.24	0.57	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.10	UD	0.12	1.10	mg/Kg
56-55-3	Benzo(a)anthracene	0.57	UD	0.078	0.57	mg/Kg
218-01-9	Chrysene	0.57	UD	0.067	0.57	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.57	UD	0.20	0.57	mg/Kg
117-84-0	Di-n-octyl phthalate	1.10	UD	0.29	1.10	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.57	UD	0.064	0.57	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.57	UD	0.076	0.57	mg/Kg
50-32-8	Benzo(a)pyrene	0.57	UD	0.100	0.57	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.57	UD	0.098	0.57	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.57	UD	0.092	0.57	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.57	UD	0.087	0.57	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.57	UD	0.086	0.57	mg/Kg
123-91-1	1,4-Dioxane	0.57	UD	0.15	0.57	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.57	UD	0.092	0.57	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	89.4		18 - 112	60%	SPK: 150
13127-88-3	Phenol-d6	118		15 - 107	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.2		18 - 107	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.0		20 - 109	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	55.3		10 - 116	37%	SPK: 150
1718-51-0	Terphenyl-d14	86.2		10 - 105	86%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	373000	7.769
1146-65-2	Naphthalene-d8	1310000	10.563
15067-26-2	Acenaphthene-d10	878000	14.41
1517-22-2	Phenanthrene-d10	1740000	17.157
1719-03-5	Chrysene-d12	1790000	21.392
1520-96-3	Perylene-d12	1940000	24.386

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