

Report of Analysis

Client:	PSEG	Date Collected:	12/04/25
Project:	Nicholson Substation	Date Received:	12/04/25
Client Sample ID:	OILY STONE DRUM	SDG No.:	Q3779
Lab Sample ID:	Q3779-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	50.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.094	U	1	0.094	0.20	mg/Kg	12/05/25 19:33	PB170836
108-95-2	Phenol	0.013	U	1	0.013	0.10	mg/Kg	12/05/25 19:33	PB170836
111-44-4	bis(2-Chloroethyl)ether	0.015	U	1	0.015	0.10	mg/Kg	12/05/25 19:33	PB170836
95-57-8	2-Chlorophenol	0.015	U	1	0.015	0.10	mg/Kg	12/05/25 19:33	PB170836
95-48-7	2-Methylphenol	0.018	U	1	0.018	0.10	mg/Kg	12/05/25 19:33	PB170836
108-60-1	2,2-oxybis(1-Chloropropane)	0.023	U	1	0.023	0.10	mg/Kg	12/05/25 19:33	PB170836
98-86-2	Acetophenone	0.018	U	1	0.018	0.10	mg/Kg	12/05/25 19:33	PB170836
65794-96-9	3+4-Methylphenols	0.025	U	1	0.025	0.20	mg/Kg	12/05/25 19:33	PB170836
621-64-7	n-Nitroso-di-n-propylamine	0.028	U	1	0.028	0.048	mg/Kg	12/05/25 19:33	PB170836
67-72-1	Hexachloroethane	0.011	U	1	0.011	0.10	mg/Kg	12/05/25 19:33	PB170836
98-95-3	Nitrobenzene	0.011	U	1	0.011	0.10	mg/Kg	12/05/25 19:33	PB170836
78-59-1	Isophorone	0.020	U	1	0.020	0.10	mg/Kg	12/05/25 19:33	PB170836
88-75-5	2-Nitrophenol	0.035	U	1	0.035	0.10	mg/Kg	12/05/25 19:33	PB170836
105-67-9	2,4-Dimethylphenol	0.039	U	1	0.039	0.10	mg/Kg	12/05/25 19:33	PB170836
111-91-1	bis(2-Chloroethoxy)methane	0.019	U	1	0.019	0.10	mg/Kg	12/05/25 19:33	PB170836
120-83-2	2,4-Dichlorophenol	0.017	U	1	0.017	0.10	mg/Kg	12/05/25 19:33	PB170836
91-20-3	Naphthalene	0.014	U	1	0.014	0.10	mg/Kg	12/05/25 19:33	PB170836
106-47-8	4-Chloroaniline	0.021	U	1	0.021	0.10	mg/Kg	12/05/25 19:33	PB170836
87-68-3	Hexachlorobutadiene	0.015	U	1	0.015	0.10	mg/Kg	12/05/25 19:33	PB170836
105-60-2	Caprolactam	0.031	U	1	0.031	0.20	mg/Kg	12/05/25 19:33	PB170836
59-50-7	4-Chloro-3-methylphenol	0.017	U	1	0.017	0.10	mg/Kg	12/05/25 19:33	PB170836
91-57-6	2-Methylnaphthalene	0.067	J	1	0.015	0.10	mg/Kg	12/05/25 19:33	PB170836
77-47-4	Hexachlorocyclopentadiene	0.070	U	1	0.070	0.20	mg/Kg	12/05/25 19:33	PB170836
88-06-2	2,4,6-Trichlorophenol	0.012	U	1	0.012	0.10	mg/Kg	12/05/25 19:33	PB170836
95-95-4	2,4,5-Trichlorophenol	0.018	U	1	0.018	0.10	mg/Kg	12/05/25 19:33	PB170836
92-52-4	1,1-Biphenyl	0.013	U	1	0.013	0.10	mg/Kg	12/05/25 19:33	PB170836
91-58-7	2-Chloronaphthalene	0.014	U	1	0.014	0.10	mg/Kg	12/05/25 19:33	PB170836
88-74-4	2-Nitroaniline	0.029	U	1	0.029	0.10	mg/Kg	12/05/25 19:33	PB170836
131-11-3	Dimethylphthalate	0.016	U	1	0.016	0.10	mg/Kg	12/05/25 19:33	PB170836
208-96-8	Acenaphthylene	0.017	U	1	0.017	0.10	mg/Kg	12/05/25 19:33	PB170836
606-20-2	2,6-Dinitrotoluene	0.020	U	1	0.020	0.10	mg/Kg	12/05/25 19:33	PB170836
99-09-2	3-Nitroaniline	0.028	U	1	0.028	0.10	mg/Kg	12/05/25 19:33	PB170836
83-32-9	Acenaphthene	0.013	U	1	0.013	0.10	mg/Kg	12/05/25 19:33	PB170836
51-28-5	2,4-Dinitrophenol	0.14	U	1	0.14	0.20	mg/Kg	12/05/25 19:33	PB170836
100-02-7	4-Nitrophenol	0.064	U	1	0.064	0.20	mg/Kg	12/05/25 19:33	PB170836
132-64-9	Dibenzofuran	0.014	U	1	0.014	0.10	mg/Kg	12/05/25 19:33	PB170836
121-14-2	2,4-Dinitrotoluene	0.030	U	1	0.030	0.10	mg/Kg	12/05/25 19:33	PB170836
84-66-2	Diethylphthalate	0.017	U	1	0.017	0.10	mg/Kg	12/05/25 19:33	PB170836
7005-72-3	4-Chlorophenyl-phenylether	0.016	U	1	0.016	0.10	mg/Kg	12/05/25 19:33	PB170836
86-73-7	Fluorene	0.015	U	1	0.015	0.10	mg/Kg	12/05/25 19:33	PB170836
100-01-6	4-Nitroaniline	0.039	U	1	0.039	0.10	mg/Kg	12/05/25 19:33	PB170836
534-52-1	4,6-Dinitro-2-methylphenol	0.062	U	1	0.062	0.20	mg/Kg	12/05/25 19:33	PB170836

Report of Analysis

Client:	PSEG	Date Collected:	12/04/25
Project:	Nicholson Substation	Date Received:	12/04/25
Client Sample ID:	OILY STONE DRUM	SDG No.:	Q3779
Lab Sample ID:	Q3779-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	50.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.020	U	1	0.020	0.10	mg/Kg	12/05/25 19:33	PB170836
101-55-3	4-Bromophenyl-phenylether	0.017	U	1	0.017	0.10	mg/Kg	12/05/25 19:33	PB170836
118-74-1	Hexachlorobenzene	0.015	U	1	0.015	0.10	mg/Kg	12/05/25 19:33	PB170836
1912-24-9	Atrazine	0.020	U	1	0.020	0.10	mg/Kg	12/05/25 19:33	PB170836
87-86-5	Pentachlorophenol	0.031	U	1	0.031	0.20	mg/Kg	12/05/25 19:33	PB170836
85-01-8	Phenanthrene	0.013	U	1	0.013	0.10	mg/Kg	12/05/25 19:33	PB170836
120-12-7	Anthracene	0.020	U	1	0.020	0.10	mg/Kg	12/05/25 19:33	PB170836
86-74-8	Carbazole	0.019	U	1	0.019	0.10	mg/Kg	12/05/25 19:33	PB170836
84-74-2	Di-n-butylphthalate	0.029	U	1	0.029	0.10	mg/Kg	12/05/25 19:33	PB170836
206-44-0	Fluoranthene	0.018	U	1	0.018	0.10	mg/Kg	12/05/25 19:33	PB170836
129-00-0	Pyrene	0.022	U	1	0.022	0.10	mg/Kg	12/05/25 19:33	PB170836
85-68-7	Butylbenzylphthalate	0.043	U	1	0.043	0.10	mg/Kg	12/05/25 19:33	PB170836
91-94-1	3,3-Dichlorobenzidine	0.022	U	1	0.022	0.20	mg/Kg	12/05/25 19:33	PB170836
56-55-3	Benzo(a)anthracene	0.014	U	1	0.014	0.10	mg/Kg	12/05/25 19:33	PB170836
218-01-9	Chrysene	0.012	U	1	0.012	0.10	mg/Kg	12/05/25 19:33	PB170836
117-81-7	Bis(2-ethylhexyl)phthalate	0.036	U	1	0.036	0.10	mg/Kg	12/05/25 19:33	PB170836
117-84-0	Di-n-octyl phthalate	0.052	U	1	0.052	0.20	mg/Kg	12/05/25 19:33	PB170836
205-99-2	Benzo(b)fluoranthene	0.011	U	1	0.011	0.10	mg/Kg	12/05/25 19:33	PB170836
207-08-9	Benzo(k)fluoranthene	0.013	U	1	0.013	0.10	mg/Kg	12/05/25 19:33	PB170836
50-32-8	Benzo(a)pyrene	0.018	U	1	0.018	0.10	mg/Kg	12/05/25 19:33	PB170836
193-39-5	Indeno(1,2,3-cd)pyrene	0.018	U	1	0.018	0.10	mg/Kg	12/05/25 19:33	PB170836
53-70-3	Dibenzo(a,h)anthracene	0.016	U	1	0.016	0.10	mg/Kg	12/05/25 19:33	PB170836
191-24-2	Benzo(g,h,i)perylene	0.015	U	1	0.015	0.10	mg/Kg	12/05/25 19:33	PB170836
95-94-3	1,2,4,5-Tetrachlorobenzene	0.015	U	1	0.015	0.10	mg/Kg	12/05/25 19:33	PB170836
123-91-1	1,4-Dioxane	0.027	U	1	0.027	0.10	mg/Kg	12/05/25 19:33	PB170836
58-90-2	2,3,4,6-Tetrachlorophenol	0.016	U	1	0.016	0.10	mg/Kg	12/05/25 19:33	PB170836

SURROGATES

367-12-4	2-Fluorophenol	61.2		10 - 105	41%	SPK: 150
13127-88-3	Phenol-d6	59.8		10 - 103	40%	SPK: 150
4165-60-0	Nitrobenzene-d5	39.3		10 - 108	39%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.4		10 - 108	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	72.6		10 - 116	48%	SPK: 150
1718-51-0	Terphenyl-d14	49.9		10 - 109	50%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	202000
1146-65-2	Naphthalene-d8	853000
15067-26-2	Acenaphthene-d10	600000
1517-22-2	Phenanthrene-d10	1270000
1719-03-5	Chrysene-d12	1270000
1520-96-3	Perylene-d12	1530000

TENTATIVE IDENTIFIED COMPOUNDS

000142-90-5	n-Dodecyl methacrylate	250	J	16.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	220	J	18.0	ug/Kg

Report of Analysis

Client:	PSEG	Date Collected:	12/04/25
Project:	Nicholson Substation	Date Received:	12/04/25
Client Sample ID:	OILY STONE DRUM	SDG No.:	Q3779
Lab Sample ID:	Q3779-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	50.02 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
1000340-29-0	Methacrylic acid, tetradecyl ester	91.0	J			18.2	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