

Report of Analysis

Client:	PSEG	Date Collected:	08/05/25
Project:	Bridgewater Switch	Date Received:	08/05/25
Client Sample ID:	256	SDG No.:	Q2774
Lab Sample ID:	Q2774-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	73.7
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	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
BF143339.D	2	08/06/25 08:54	08/06/25 19:38	PB169138

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.54	U	0.25	0.54	mg/Kg
108-95-2	Phenol	0.28	U	0.036	0.28	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.28	U	0.040	0.28	mg/Kg
95-57-8	2-Chlorophenol	0.28	U	0.040	0.28	mg/Kg
95-48-7	2-Methylphenol	0.28	U	0.049	0.28	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.28	U	0.061	0.28	mg/Kg
98-86-2	Acetophenone	0.28	U	0.048	0.28	mg/Kg
65794-96-9	3+4-Methylphenols	0.54	U	0.067	0.54	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.13	U	0.077	0.13	mg/Kg
67-72-1	Hexachloroethane	0.28	U	0.029	0.28	mg/Kg
98-95-3	Nitrobenzene	0.28	U	0.030	0.28	mg/Kg
78-59-1	Isophorone	0.28	U	0.053	0.28	mg/Kg
88-75-5	2-Nitrophenol	0.28	U	0.095	0.28	mg/Kg
105-67-9	2,4-Dimethylphenol	0.28	U	0.11	0.28	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.28	U	0.050	0.28	mg/Kg
120-83-2	2,4-Dichlorophenol	0.28	U	0.046	0.28	mg/Kg
91-20-3	Naphthalene	0.28	U	0.037	0.28	mg/Kg
106-47-8	4-Chloroaniline	0.28	U	0.058	0.28	mg/Kg
87-68-3	Hexachlorobutadiene	0.28	U	0.041	0.28	mg/Kg
105-60-2	Caprolactam	0.54	U	0.085	0.54	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.28	U	0.047	0.28	mg/Kg
91-57-6	2-Methylnaphthalene	0.28	U	0.042	0.28	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.54	U	0.19	0.54	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.28	U	0.032	0.28	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.28	U	0.047	0.28	mg/Kg
92-52-4	1,1-Biphenyl	0.28	U	0.036	0.28	mg/Kg
91-58-7	2-Chloronaphthalene	0.28	U	0.037	0.28	mg/Kg
88-74-4	2-Nitroaniline	0.28	U	0.078	0.28	mg/Kg
131-11-3	Dimethylphthalate	0.28	U	0.044	0.28	mg/Kg

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208-96-8	Acenaphthylene	0.28	U	0.047	0.28	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.28	U	0.055	0.28	mg/Kg
99-09-2	3-Nitroaniline	0.28	U	0.075	0.28	mg/Kg
83-32-9	Acenaphthene	0.28	U	0.035	0.28	mg/Kg
51-28-5	2,4-Dinitrophenol	0.54	U	0.37	0.54	mg/Kg
100-02-7	4-Nitrophenol	0.54	U	0.17	0.54	mg/Kg
132-64-9	Dibenzofuran	0.28	U	0.037	0.28	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.28	U	0.082	0.28	mg/Kg
84-66-2	Diethylphthalate	0.28	U	0.046	0.28	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.28	U	0.043	0.28	mg/Kg
86-73-7	Fluorene	0.12	J	0.041	0.28	mg/Kg
100-01-6	4-Nitroaniline	0.28	U	0.10	0.28	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.54	U	0.17	0.54	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.28	U	0.054	0.28	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.28	U	0.045	0.28	mg/Kg
118-74-1	Hexachlorobenzene	0.28	U	0.041	0.28	mg/Kg
1912-24-9	Atrazine	0.28	U	0.055	0.28	mg/Kg
87-86-5	Pentachlorophenol	0.54	U	0.083	0.54	mg/Kg
85-01-8	Phenanthrene	2.20		0.034	0.28	mg/Kg
120-12-7	Anthracene	0.36		0.054	0.28	mg/Kg
86-74-8	Carbazole	0.36		0.051	0.28	mg/Kg
84-74-2	Di-n-butylphthalate	0.28	U	0.078	0.28	mg/Kg
206-44-0	Fluoranthene	7.00	E	0.049	0.28	mg/Kg
129-00-0	Pyrene	3.50		0.059	0.28	mg/Kg
85-68-7	Butylbenzylphthalate	0.28	U	0.12	0.28	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.54	U	0.060	0.54	mg/Kg
56-55-3	Benzo(a)anthracene	2.50		0.037	0.28	mg/Kg
218-01-9	Chrysene	2.70		0.032	0.28	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.14	J	0.096	0.28	mg/Kg
117-84-0	Di-n-octyl phthalate	0.54	U	0.14	0.54	mg/Kg
205-99-2	Benzo(b)fluoranthene	4.70	E	0.031	0.28	mg/Kg

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207-08-9	Benzo(k)fluoranthene	1.60		0.036	0.28	mg/Kg
50-32-8	Benzo(a)pyrene	2.60		0.048	0.28	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.30		0.047	0.28	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.33		0.045	0.28	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.70		0.042	0.28	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.28	U	0.042	0.28	mg/Kg
123-91-1	1,4-Dioxane	0.28	U	0.074	0.28	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.28	U	0.045	0.28	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	61.1		18 - 112	41%	SPK: 150
13127-88-3	Phenol-d6	53.8		15 - 107	36%	SPK: 150
4165-60-0	Nitrobenzene-d5	41.5		18 - 107	42%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.2		20 - 109	41%	SPK: 100
118-79-6	2,4,6-Tribromophenol	49.3		10 - 116	33%	SPK: 150
1718-51-0	Terphenyl-d14	28.5		10 - 105	29%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	85400	6.963
1146-65-2	Naphthalene-d8	300000	8.245
15067-26-2	Acenaphthene-d10	150000	9.998
1517-22-2	Phenanthrene-d10	217000	11.492
1719-03-5	Chrysene-d12	223000	14.139
1520-96-3	Perylene-d12	142000	15.645

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1000	J	2.27	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	A	5.19	ug/Kg
000080-56-8	.alpha.-Pinene	110	J	6.26	ug/Kg
000127-91-3	.beta.-Pinene	200	J	6.67	ug/Kg
	unknown14.916	550	J	14.9	ug/Kg
000192-97-2	Benzo[e]pyrene	2900	J	15.5	ug/Kg
000215-58-7	Benzo[b]triphenylene	720	J	17.4	ug/Kg

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	unknown18.586	150	J		18.6	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