

Report of Analysis

Client:	PSEG	Date Collected:	08/05/25
Project:	Bridgewater Switch	Date Received:	08/05/25
Client Sample ID:	224	SDG No.:	Q2774
Lab Sample ID:	Q2774-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.6
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
BF143338.D	2	08/06/25 08:54	08/06/25 19:09	PB169138

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.46	U	0.22	0.46	mg/Kg
108-95-2	Phenol	0.24	U	0.031	0.24	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.24	U	0.034	0.24	mg/Kg
95-57-8	2-Chlorophenol	0.24	U	0.034	0.24	mg/Kg
95-48-7	2-Methylphenol	0.24	U	0.041	0.24	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.24	U	0.052	0.24	mg/Kg
98-86-2	Acetophenone	0.24	U	0.041	0.24	mg/Kg
65794-96-9	3+4-Methylphenols	0.46	U	0.057	0.46	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.11	U	0.066	0.11	mg/Kg
67-72-1	Hexachloroethane	0.24	U	0.024	0.24	mg/Kg
98-95-3	Nitrobenzene	0.24	U	0.025	0.24	mg/Kg
78-59-1	Isophorone	0.24	U	0.045	0.24	mg/Kg
88-75-5	2-Nitrophenol	0.24	U	0.081	0.24	mg/Kg
105-67-9	2,4-Dimethylphenol	0.24	U	0.090	0.24	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.24	U	0.043	0.24	mg/Kg
120-83-2	2,4-Dichlorophenol	0.24	U	0.039	0.24	mg/Kg
91-20-3	Naphthalene	0.24	U	0.031	0.24	mg/Kg
106-47-8	4-Chloroaniline	0.24	U	0.049	0.24	mg/Kg
87-68-3	Hexachlorobutadiene	0.24	U	0.035	0.24	mg/Kg
105-60-2	Caprolactam	0.46	U	0.072	0.46	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.24	U	0.040	0.24	mg/Kg
91-57-6	2-Methylnaphthalene	0.24	U	0.035	0.24	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.46	U	0.16	0.46	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.24	U	0.027	0.24	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.24	U	0.040	0.24	mg/Kg
92-52-4	1,1-Biphenyl	0.24	U	0.030	0.24	mg/Kg
91-58-7	2-Chloronaphthalene	0.24	U	0.031	0.24	mg/Kg
88-74-4	2-Nitroaniline	0.24	U	0.067	0.24	mg/Kg
131-11-3	Dimethylphthalate	0.24	U	0.038	0.24	mg/Kg

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208-96-8	Acenaphthylene	0.24	U	0.040	0.24	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.24	U	0.047	0.24	mg/Kg
99-09-2	3-Nitroaniline	0.24	U	0.064	0.24	mg/Kg
83-32-9	Acenaphthene	0.26		0.030	0.24	mg/Kg
51-28-5	2,4-Dinitrophenol	0.46	U	0.32	0.46	mg/Kg
100-02-7	4-Nitrophenol	0.46	U	0.15	0.46	mg/Kg
132-64-9	Dibenzofuran	0.10	J	0.031	0.24	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.24	U	0.069	0.24	mg/Kg
84-66-2	Diethylphthalate	0.24	U	0.039	0.24	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	0.037	0.24	mg/Kg
86-73-7	Fluorene	0.28		0.035	0.24	mg/Kg
100-01-6	4-Nitroaniline	0.24	U	0.089	0.24	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.46	U	0.14	0.46	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.24	U	0.046	0.24	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.24	U	0.039	0.24	mg/Kg
118-74-1	Hexachlorobenzene	0.24	U	0.035	0.24	mg/Kg
1912-24-9	Atrazine	0.24	U	0.047	0.24	mg/Kg
87-86-5	Pentachlorophenol	0.46	U	0.071	0.46	mg/Kg
85-01-8	Phenanthrene	3.50		0.029	0.24	mg/Kg
120-12-7	Anthracene	0.75		0.046	0.24	mg/Kg
86-74-8	Carbazole	0.47		0.043	0.24	mg/Kg
84-74-2	Di-n-butylphthalate	0.24	U	0.066	0.24	mg/Kg
206-44-0	Fluoranthene	8.10	E	0.042	0.24	mg/Kg
129-00-0	Pyrene	5.00	E	0.050	0.24	mg/Kg
85-68-7	Butylbenzylphthalate	0.24	U	0.099	0.24	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.46	U	0.051	0.46	mg/Kg
56-55-3	Benzo(a)anthracene	3.10		0.032	0.24	mg/Kg
218-01-9	Chrysene	3.50		0.028	0.24	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.19	J	0.082	0.24	mg/Kg
117-84-0	Di-n-octyl phthalate	0.46	U	0.12	0.46	mg/Kg
205-99-2	Benzo(b)fluoranthene	5.10	E	0.026	0.24	mg/Kg

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207-08-9	Benzo(k)fluoranthene	2.30		0.031	0.24	mg/Kg
50-32-8	Benzo(a)pyrene	3.10		0.041	0.24	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.60		0.040	0.24	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.42		0.038	0.24	mg/Kg
191-24-2	Benzo(g,h,i)perylene	2.00		0.036	0.24	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.24	U	0.035	0.24	mg/Kg
123-91-1	1,4-Dioxane	0.24	U	0.063	0.24	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.24	U	0.038	0.24	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	63.2		18 - 112	42%	SPK: 150
13127-88-3	Phenol-d6	62.2		15 - 107	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.0		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.5		20 - 109	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	63.6		10 - 116	42%	SPK: 150
1718-51-0	Terphenyl-d14	39.4		10 - 105	39%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	94000	6.963
1146-65-2	Naphthalene-d8	321000	8.245
15067-26-2	Acenaphthene-d10	149000	9.998
1517-22-2	Phenanthrene-d10	249000	11.492
1719-03-5	Chrysene-d12	192000	14.139
1520-96-3	Perylene-d12	152000	15.651

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	580	J	2.27	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	A	5.19	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	100	J	12.0	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	350	J	12.1	ug/Kg
002381-21-7	Pyrene, 1-methyl-	180	J	13.2	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	220	J	13.3	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	140	J	13.3	ug/Kg

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000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	180	J		13.9	ug/Kg
025732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	110	J		13.9	ug/Kg
	unknown13.939	170	J		13.9	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	140	J		14.0	ug/Kg
000195-19-7	Benzo[c]phenanthrene	110	J		14.2	ug/Kg
067860-04-2	Oxirane, heptadecyl-	420	J		15.1	ug/Kg
000192-97-2	Benzo[e]pyrene	2500	J		15.5	ug/Kg
089328-44-9	1-Oxacyclopentadecan-2-one, 15-iso	380	J		15.9	ug/Kg
000638-67-5	Tricosane	380	J		16.1	ug/Kg
000629-97-0	Docosane	300	J		17.3	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