

Report of Analysis

Client:	PSEG	Date Collected:	08/05/25
Project:	Bridgewater Switch	Date Received:	08/05/25
Client Sample ID:	254	SDG No.:	Q2774
Lab Sample ID:	Q2774-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.3
Sample Wt/Vol:	50.02	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
BF143340.D	10	08/06/25 08:54	08/06/25 20:07	PB169138

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	2.50	U	1.20	2.50	mg/Kg
108-95-2	Phenol	1.30	U	0.17	1.30	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	1.30	U	0.19	1.30	mg/Kg
95-57-8	2-Chlorophenol	1.30	U	0.19	1.30	mg/Kg
95-48-7	2-Methylphenol	1.30	U	0.23	1.30	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	0.29	1.30	mg/Kg
98-86-2	Acetophenone	1.30	U	0.23	1.30	mg/Kg
65794-96-9	3+4-Methylphenols	2.50	U	0.31	2.50	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.61	U	0.36	0.61	mg/Kg
67-72-1	Hexachloroethane	1.30	U	0.13	1.30	mg/Kg
98-95-3	Nitrobenzene	1.30	U	0.14	1.30	mg/Kg
78-59-1	Isophorone	1.30	U	0.25	1.30	mg/Kg
88-75-5	2-Nitrophenol	1.30	U	0.45	1.30	mg/Kg
105-67-9	2,4-Dimethylphenol	1.30	U	0.50	1.30	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	1.30	U	0.24	1.30	mg/Kg
120-83-2	2,4-Dichlorophenol	1.30	U	0.22	1.30	mg/Kg
91-20-3	Naphthalene	1.30	U	0.17	1.30	mg/Kg
106-47-8	4-Chloroaniline	1.30	U	0.27	1.30	mg/Kg
87-68-3	Hexachlorobutadiene	1.30	U	0.19	1.30	mg/Kg
105-60-2	Caprolactam	2.50	U	0.40	2.50	mg/Kg
59-50-7	4-Chloro-3-methylphenol	1.30	U	0.22	1.30	mg/Kg
91-57-6	2-Methylnaphthalene	1.30	U	0.20	1.30	mg/Kg
77-47-4	Hexachlorocyclopentadiene	2.50	U	0.89	2.50	mg/Kg
88-06-2	2,4,6-Trichlorophenol	1.30	U	0.15	1.30	mg/Kg
95-95-4	2,4,5-Trichlorophenol	1.30	U	0.22	1.30	mg/Kg
92-52-4	1,1-Biphenyl	1.30	U	0.17	1.30	mg/Kg
91-58-7	2-Chloronaphthalene	1.30	U	0.17	1.30	mg/Kg
88-74-4	2-Nitroaniline	1.30	U	0.37	1.30	mg/Kg
131-11-3	Dimethylphthalate	1.30	U	0.21	1.30	mg/Kg

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208-96-8	Acenaphthylene	1.30	U	0.22	1.30	mg/Kg
606-20-2	2,6-Dinitrotoluene	1.30	U	0.26	1.30	mg/Kg
99-09-2	3-Nitroaniline	1.30	U	0.35	1.30	mg/Kg
83-32-9	Acenaphthene	0.67	J	0.16	1.30	mg/Kg
51-28-5	2,4-Dinitrophenol	2.50	U	1.80	2.50	mg/Kg
100-02-7	4-Nitrophenol	2.50	U	0.82	2.50	mg/Kg
132-64-9	Dibenzofuran	1.30	U	0.17	1.30	mg/Kg
121-14-2	2,4-Dinitrotoluene	1.30	U	0.38	1.30	mg/Kg
84-66-2	Diethylphthalate	1.30	U	0.22	1.30	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	1.30	U	0.20	1.30	mg/Kg
86-73-7	Fluorene	0.98	J	0.19	1.30	mg/Kg
100-01-6	4-Nitroaniline	1.30	U	0.49	1.30	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2.50	U	0.79	2.50	mg/Kg
86-30-6	n-Nitrosodiphenylamine	1.30	U	0.25	1.30	mg/Kg
101-55-3	4-Bromophenyl-phenylether	1.30	U	0.21	1.30	mg/Kg
118-74-1	Hexachlorobenzene	1.30	U	0.19	1.30	mg/Kg
1912-24-9	Atrazine	1.30	U	0.26	1.30	mg/Kg
87-86-5	Pentachlorophenol	2.50	U	0.39	2.50	mg/Kg
85-01-8	Phenanthrene	11.5		0.16	1.30	mg/Kg
120-12-7	Anthracene	2.70		0.26	1.30	mg/Kg
86-74-8	Carbazole	1.60		0.24	1.30	mg/Kg
84-74-2	Di-n-butylphthalate	1.30	U	0.37	1.30	mg/Kg
206-44-0	Fluoranthene	30.1	E	0.23	1.30	mg/Kg
129-00-0	Pyrene	19.9		0.28	1.30	mg/Kg
85-68-7	Butylbenzylphthalate	1.30	U	0.55	1.30	mg/Kg
91-94-1	3,3-Dichlorobenzidine	2.50	U	0.28	2.50	mg/Kg
56-55-3	Benzo(a)anthracene	11.2		0.18	1.30	mg/Kg
218-01-9	Chrysene	12.4		0.15	1.30	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1.30	U	0.45	1.30	mg/Kg
117-84-0	Di-n-octyl phthalate	2.50	U	0.66	2.50	mg/Kg
205-99-2	Benzo(b)fluoranthene	15.4		0.15	1.30	mg/Kg

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207-08-9	Benzo(k)fluoranthene	6.00		0.17	1.30	mg/Kg
50-32-8	Benzo(a)pyrene	11.3		0.23	1.30	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3.90		0.22	1.30	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.00	J	0.21	1.30	mg/Kg
191-24-2	Benzo(g,h,i)perylene	4.90		0.20	1.30	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1.30	U	0.20	1.30	mg/Kg
123-91-1	1,4-Dioxane	1.30	U	0.35	1.30	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1.30	U	0.21	1.30	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	67.6		18 - 112	45%	SPK: 150
13127-88-3	Phenol-d6	62.1		15 - 107	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	37.9		18 - 107	38%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.9		20 - 109	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	66.8		10 - 116	45%	SPK: 150
1718-51-0	Terphenyl-d14	56.6		10 - 105	57%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	71200	6.963
1146-65-2	Naphthalene-d8	290000	8.245
15067-26-2	Acenaphthene-d10	126000	9.998
1517-22-2	Phenanthrene-d10	205000	11.486
1719-03-5	Chrysene-d12	158000	14.133
1520-96-3	Perylene-d12	128000	15.645

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	910	J	2.27	ug/Kg
108287-18-9	1-Formyl-2,2,6-trimethyl-3-(3-meth	940	J	10.5	ug/Kg
000132-65-0	Dibenzothiophene	2100	J	11.4	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	2200	J	12.1	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	930	J	12.3	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	1100	J	12.6	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	1300	J	13.3	ug/Kg

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002381-21-7	Pyrene, 1-methyl-	570	J		13.3	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	520	J		13.8	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	770	J		13.9	ug/Kg
	unknown13.939	630	J		13.9	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	620	J		14.0	ug/Kg
025732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	750	J		14.2	ug/Kg
002381-31-9	Benz[a]anthracene, 8-methyl-	1200	J		14.9	ug/Kg
000207-93-2	Dinaphtho[1,2-b:1,2-d]furan	3000	J		15.4	ug/Kg
000192-97-2	Benzo[e]pyrene	8900	J		15.5	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