

Report of Analysis

Client:	PSEG	Date Collected:	03/18/25
Project:	Bridgewater Switch	Date Received:	03/18/25
Client Sample ID:	ETGI-354	SDG No.:	Q1598
Lab Sample ID:	Q1598-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.9
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142006.D	10	03/19/25 09:45	03/19/25 15:15	PB167206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1.10	U	1.10	2.40	mg/Kg
108-95-2	Phenol	0.16	U	0.16	1.20	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.18	U	0.18	1.20	mg/Kg
95-57-8	2-Chlorophenol	0.18	U	0.18	1.20	mg/Kg
95-48-7	2-Methylphenol	0.22	U	0.22	1.20	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.27	U	0.27	1.20	mg/Kg
98-86-2	Acetophenone	0.21	U	0.21	1.20	mg/Kg
65794-96-9	3+4-Methylphenols	0.30	U	0.30	2.40	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.34	U	0.34	0.58	mg/Kg
67-72-1	Hexachloroethane	0.13	U	0.13	1.20	mg/Kg
98-95-3	Nitrobenzene	0.13	U	0.13	1.20	mg/Kg
78-59-1	Isophorone	0.24	U	0.24	1.20	mg/Kg
88-75-5	2-Nitrophenol	0.42	U	0.42	1.20	mg/Kg
105-67-9	2,4-Dimethylphenol	0.47	U	0.47	1.20	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.22	U	0.22	1.20	mg/Kg
120-83-2	2,4-Dichlorophenol	0.20	U	0.20	1.20	mg/Kg
91-20-3	Naphthalene	24.5	E	0.16	1.20	mg/Kg
106-47-8	4-Chloroaniline	0.26	U	0.26	1.20	mg/Kg
87-68-3	Hexachlorobutadiene	0.18	U	0.18	1.20	mg/Kg
105-60-2	Caprolactam	0.38	U	0.38	2.40	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.21	U	0.21	1.20	mg/Kg
91-57-6	2-Methylnaphthalene	19.3	E	0.19	1.20	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.84	U	0.84	2.40	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.14	U	0.14	1.20	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.21	U	0.21	1.20	mg/Kg
92-52-4	1,1-Biphenyl	2.60		0.16	1.20	mg/Kg
91-58-7	2-Chloronaphthalene	0.16	U	0.16	1.20	mg/Kg
88-74-4	2-Nitroaniline	0.35	U	0.35	1.20	mg/Kg
131-11-3	Dimethylphthalate	0.20	U	0.20	1.20	mg/Kg

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208-96-8	Acenaphthylene	4.00		0.21	1.20	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.24	U	0.24	1.20	mg/Kg
99-09-2	3-Nitroaniline	0.33	U	0.33	1.20	mg/Kg
83-32-9	Acenaphthene	6.50		0.15	1.20	mg/Kg
51-28-5	2,4-Dinitrophenol	1.70	U	1.70	2.40	mg/Kg
100-02-7	4-Nitrophenol	0.77	U	0.77	2.40	mg/Kg
132-64-9	Dibenzofuran	0.78	J	0.16	1.20	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.36	U	0.36	1.20	mg/Kg
84-66-2	Diethylphthalate	0.20	U	0.20	1.20	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.19	U	0.19	1.20	mg/Kg
86-73-7	Fluorene	7.60		0.18	1.20	mg/Kg
100-01-6	4-Nitroaniline	0.46	U	0.46	1.20	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.74	U	0.74	2.40	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.24	U	0.24	1.20	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.20	U	0.20	1.20	mg/Kg
118-74-1	Hexachlorobenzene	0.18	U	0.18	1.20	mg/Kg
1912-24-9	Atrazine	0.25	U	0.25	1.20	mg/Kg
87-86-5	Pentachlorophenol	0.37	U	0.37	2.40	mg/Kg
85-01-8	Phenanthrene	15.9		0.15	1.20	mg/Kg
120-12-7	Anthracene	4.00		0.24	1.20	mg/Kg
86-74-8	Carbazole	0.23	U	0.23	1.20	mg/Kg
84-74-2	Di-n-butylphthalate	0.35	U	0.35	1.20	mg/Kg
206-44-0	Fluoranthene	4.70		0.22	1.20	mg/Kg
129-00-0	Pyrene	5.20		0.26	1.20	mg/Kg
85-68-7	Butylbenzylphthalate	0.52	U	0.52	1.20	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.27	U	0.27	2.40	mg/Kg
56-55-3	Benzo(a)anthracene	2.40		0.17	1.20	mg/Kg
218-01-9	Chrysene	2.30		0.14	1.20	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1.10	J	0.43	1.20	mg/Kg
117-84-0	Di-n-octyl phthalate	0.63	U	0.63	2.40	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.50		0.14	1.20	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.16	U	0.16	1.20	mg/Kg
50-32-8	Benzo(a)pyrene	1.70		0.21	1.20	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.21	U	0.21	1.20	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.20	U	0.20	1.20	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.59	J	0.19	1.20	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.19	U	0.19	1.20	mg/Kg
123-91-1	1,4-Dioxane	0.33	U	0.33	1.20	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.20	U	0.20	1.20	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	53.8		18 - 112	36%	SPK: 150
13127-88-3	Phenol-d6	61.2		15 - 107	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.2		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.8		20 - 109	64%	SPK: 100
118-79-6	2,4,6-Tribromophenol	64.8		10 - 116	43%	SPK: 150
1718-51-0	Terphenyl-d14	46.7		10 - 105	47%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	167000	6.881
1146-65-2	Naphthalene-d8	577000	8.163
15067-26-2	Acenaphthene-d10	262000	9.928
1517-22-2	Phenanthrene-d10	379000	11.422
1719-03-5	Chrysene-d12	346000	14.051
1520-96-3	Perylene-d12	253000	15.521

TENTATIVE IDENTIFIED COMPOUNDS

000108-10-1	Methyl Isobutyl Ketone	27300	J	3.39	ug/Kg
000611-14-3	Benzene, 1-ethyl-2-methyl-	2800	J	6.41	ug/Kg
000095-63-6	Benzene, 1,2,4-trimethyl-	9400	J	6.71	ug/Kg
000873-49-4	Benzene, cyclopropyl-	2300	J	7.06	ug/Kg
000095-13-6	Indene	7400	J	7.14	ug/Kg
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	5100	J	7.20	ug/Kg
001074-55-1	Benzene, 1-methyl-4-propyl-	3200	J	7.27	ug/Kg

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	unknown7.904	2600	J		7.90	ug/Kg
	unknown8.469	4000	J		8.47	ug/Kg
000629-50-5	Tridecane	3000	J		8.76	ug/Kg
90-12-0	1-Methylnaphthalene	13600	J		8.98	ug/Kg
031295-56-4	Dodecane, 2,6,11-trimethyl-	2200	J		9.19	ug/Kg
000581-42-0	Naphthalene, 2,6-dimethyl-	3100	J		9.51	ug/Kg
000571-58-4	Naphthalene, 1,4-dimethyl-	5200	J		9.59	ug/Kg
055045-11-9	Tridecane, 5-propyl-	5700	J		9.64	ug/Kg
000575-41-7	Naphthalene, 1,3-dimethyl-	3000	J		9.70	ug/Kg
000629-62-9	Pentadecane	7500	J		9.86	ug/Kg
000544-76-3	Hexadecane	5900	J		10.4	ug/Kg
000112-40-3	Dodecane	4800	J		10.9	ug/Kg
000057-11-4	Octadecanoic acid	37100	J		12.7	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